

APPENDIX

APPENDIX - 1

MEMBER LIST OF THE STUDY TEAM

[Basic Design Study]

Name	Assignment	Current Position / Company
Shigeru OTAKE	Leader	Project Monitoring and Coordination Division, Grant Aid Management Department, JICA
Masatoshi SENO	Chief Consultant / Maintenance & Operation Planning	Yachiyo Engineering Co., Ltd
Katsumi FUJII	Water Supply System Planning / Pipeline Planning	Yachiyo Engineering Co., Ltd
Yutaka MURAKI	Electrical and Mechanical Facility Planning	Yachiyo Engineering Co., Ltd
Masahiro TAKEUCHI	Civil Work Planning	Yachiyo Engineering Co., Ltd
Makoto HONMA	Procurement Planning / Cost Estimation	Yachiyo Engineering Co., Ltd

[Implementation Review Study]

Name	Assignment	Current Position / Company
Shigeru OTAKE	Leader	Project Monitoring and Coordination Division, Grant Aid Management Department, JICA
Masatoshi SENO	Chief Consultant / Maintenance & Operation Planning	Yachiyo Engineering Co., Ltd
Masahiro TAKEUCHI	Civil Work Planning	Yachiyo Engineering Co., Ltd

[Draft Report Explanation]

Name	Assignment	Current Position / Company
Mikio NAKAMURA	Leader	Resident Representative, JICA Egypt Office
Masatoshi SENO	Chief Consultant / Maintenance & Operation Planning	Yachiyo Engineering Co., Ltd
Masahiro TAKEUCHI	Civil Work Planning	Yachiyo Engineering Co., Ltd

APPENDIX - 2

STUDY SCHEDULE

[Basic Design Study]

No.	Date		Weather	Stay	Travel	Activities
1	16-Jul	Sun.	Fine	Paris	Tokyo ↓ (JL405) Paris	Mr. Otake, Mr. Seno, Mr. Fujii and Mr. Muraki leave Japan.
2	17-Jul	Mon.	Fine	Cairo	Paris ↓ (AF504) Cairo	Mr. Otake, Mr. Seno, Mr. Fujii and Mr. Muraki arrive at Cairo.
3	18-Jul	Tue.	Fine	Cairo		Courtesy visit and meeting at JICA Office, Embassy of Japan, GOGCWS, Giza Governorate and Giza City. - Explanation of IC/R - Meeting on schedule
4	19-Jul	Wed.	Fine	Cairo		Meeting with Giza City on situations of the Project Site Field Survey on the Project Site Route Survey of Water Transmission Main
5	20-Jul	Thu.	Fine	Cairo		Field Survey on Embaba WTP Courtesy visit and meeting at MOIC
6	21-Jul	Fri.	Fine	Cairo		Internal Meeting and M/D preparation
7	22-Jul	Sat.	Fine	Cairo		Meeting with Giza City on situations of the Project Site Field Survey on the previous projects sites
8	23-Jul	Sun.	Fine	Cairo		Internal Meeting and M/D preparation Meeting with Giza City on M/D
9	24-Jul	Mon.	Fine	Cairo		Meeting with GOGCWS on M/D Meeting with Giza City on M/D
10	25-Jul	Tue.	Fine	Cairo	Tokyo ↓ (JL405) Paris	Signing M/D Report to JICA Office Mr. Takeuchi leaves Japan.
11	26-Jul	Wed.	Fine	Cairo	Paris ↓ (AF504) Cairo	Data collection on Project Frame Mr. Takeuchi arrives at Cairo.
12	27-Jul	Thu.	Fine	Cairo	Cairo ↓ (AF503) Paris	Mr. Otake leaves Cairo Field Survey on the Project Site Survey on related existing facilities Preparation for Natural Condition Survey
13	28-Jul	Fri.	Fine	Cairo	↓ (JL406) Tokyo	Mr. Otake arrives at Tokyo. Internal Meeting
14	29-Jul	Sat.	Fine	Cairo		Technical Meeting with GOGCWS Preparation for Natural Condition Survey
15	30-Jul	Sun.	Fine	Cairo		Survey on Embaba WTP Route Survey of Water Transmission Main Survey on existing water distribution network Preparation for Natural Condition Survey
16	31-Jul	Mon.	Fine	Cairo		Data collection on construction standards Preparation for Natural Condition Survey
17	1-Aug	Tue.	Fine	Cairo		Meeting with Electric Distribution Company Survey for aqueducts locations Preparation for Natural Condition Survey
18	2-Aug	Wed.	Fine	Cairo		Survey on Water Reservoir site Preparation for Natural Condition Survey
19	3-Aug	Thu.	Fine	Cairo	Tokyo ↓ (JL405) Paris	Survey on Water Reservoir site Route Survey of Water Transmission Main Preparation for Natural Condition Survey Mr. Honma leaves Japan
20	4-Aug	Fri.	Fine	Cairo	Paris ↓ (AF504) Cairo	Day off Mr. Honma arrives at Cairo
21	5-Aug	Sat.	Fine	Cairo		Survey on Water Reservoir site Route Survey of Water Transmission Main Preparation for Natural Condition Survey
22	6-Aug	Sun.	Fine	Cairo		Survey on Water Reservoir site Route Survey of Water Transmission Main Preparation for Market Survey Preparation for Natural Condition Survey

[Basic Design Study]

No.	Date	Weather	Stay	Travel	Activities	
23	7-Aug	Mon.	Fine	Cairo	Survey on Water Reservoir site Market Survey Preparation for Natural Condition Survey Meeting with National Railway Meeting with Ministry of Public Works and Water Resources	
24	8-Aug	Tue.	Fine	Cairo	Project Framing Market Survey, Route Survey of Water Transmission Main Preparation for Natural Condition Survey	
25	9-Aug	Wed.	Fine	Cairo	Project Framing Meeting with Ministry of Public Works and Water Resources Market Survey, Route Survey of Water Transmission Main Preparation for Natural Condition Survey	
26	10-Aug	Thu.	Fine	Cairo	Cairo ↓ (BA154) London	Project Framing Market Survey, Route Survey of Water Transmission Main Natural Condition Survey Mr. Muraki leaves Cairo
27	11-Aug	Fri.	Fine	Cairo	↓ (JL402) Tokyo	Mr. Muraki arrives at Tokyo Day off
28	12-Aug	Sat.	Fine	Cairo		Survey for water distribution network Survey on existing under ground facilities Market Survey, Natural Condition Survey
29	13-Aug	Sun.	Fine	Cairo		Survey for water distribution network Survey for Operation and Maintenance Market Survey, Natural Condition Survey
30	14-Aug	Mon.	Fine	Cairo		Survey for Operation and Maintenance Market Survey, Natural Condition Survey
31	15-Aug	Tue.	Fine	Cairo		Survey on construction standards Survey for Operation and Maintenance Market Survey, Natural Condition Survey
32	16-Aug	Wed.	Fine	Cairo		Survey on water production capacity Survey for Operation and Maintenance Market Survey, Natural Condition Survey
33	17-Aug	Thu.	Fine	Cairo		Preparation for Field Report Survey for Operation and Maintenance Market Survey, Natural Condition Survey
34	18-Aug	Fri.	Fine	Cairo		Preparation for Field Report
35	19-Aug	Sat.	Fine	Cairo		Preparation for Field Report Survey for Operation and Maintenance Market Survey, Natural Condition Survey
36	20-Aug	Sun.	Fine	Cairo		Preparation for Field Report Survey for Operation and Maintenance Market Survey, Natural Condition Survey
37	21-Aug	Mon.	Fine	Cairo		Meeting on Field Report Survey for Operation and Maintenance Market Survey, Natural Condition Survey
38	22-Aug	Tue.	Fine	Cairo		Meeting on Field Report Survey for Operation and Maintenance Market Survey, Natural Condition Survey
39	23-Aug	Wed.	Fine	Cairo		Meeting on Field Report Market Survey, Natural Condition Survey
40	24-Aug	Thu.	Fine	Cairo		Preparation for Field Report
41	25-Aug	Fri.	Fine	Cairo		Meeting on Field Report
42	26-Aug	Sat.	Fine	Cairo		Confirmation of Field Report
43	27-Aug	Sun.	Fine	Cairo		Report to JICA Office and Embassy of Japan Report to Giza City
44	28-Aug	Mon.	Fine		Cairo ↓ (BA154) London	Mr. Seno, Mr. Fujii, Mr. Takeuchi and Mr. Honma leave Cairo
45	29-Aug	Tue.			↓ (JL402) Tokyo	Mr. Seno, Mr. Fujii, Mr. Takeuchi and Mr. Honma arrive at Tokyo

[Implementation Review Study]

Day No.	Date	Weather	Overnight Stay	Travelling	Activities
1	19 June, Tues.	Fair	Paris	Tokyo (JL405) → Paris	Department of consultant members (Seno and Takeuchi) from Japan
2	20 June, Wed.	Fair	Cairo	Paris (AF508) → Cairo	Arrival of consultant members in Paris
3	21 June, Thur.	Fair	Cairo		Discussions with the Giza Municipal Authority
4	22 June, Fri.	Fair	Cairo		Meeting in Japan; departure of the government member (Otake, Team Leader) from Japan
5	23 June, Sat.	Fair	Cairo		<ul style="list-style-type: none"> • Discussions with the GOGCWS • Visit to the Project Site • Arrival of Otake in Cairo
6	24 June, Sun.	Fair	Cairo		<ul style="list-style-type: none"> • Courtesy visit to and discussions at the JICA Office • Courtesy visit to the Deputy Minister of the Ministry of International Cooperation • Courtesy visit to the Governor of the Giza Governorate • Courtesy visit to and discussions at the Japanese Embassy
7	25 June, Mon.	Fair	Cairo		<ul style="list-style-type: none"> • Discussions with the GOGCWS • Courtesy visit to the Mayor of Giza City
8	26 June, Tues.	Fair	Cairo		<ul style="list-style-type: none"> • Courtesy visit to the President of the GOGCWS • Discussions with the Giza Municipal Authority • Visit to the Project Site
9	27 June, Wed.	Fair	Cairo		<ul style="list-style-type: none"> • Discussions with the GOGCWS (on draft M/D) • Discussions with the Giza Municipal Authority (on draft M/D)
10	28 June, Thur.	Fair	Cairo		<ul style="list-style-type: none"> • Signing of the M/D • Reporting to the Japanese Embassy • Reporting to the JICA Office
11	29 June, Fri.	Fair	On board aircraft		Departure of all team members from Cairo
12	30 June, Sat.	Fair		Paris (JL406) → Tokyo	Arrival of all team members in Japan

[Draft Report Explanation]

Day No.	Date	Weather	Overnight Stay	Travelling	Activities
1	10 Sept., Mon.	Rain	London	Tokyo (JL401) → London	Department of consultant members (Seno and Takeuchi) from Japan
2	11 Sept., Tue.	Fair	Cairo	London (BA155) → Cairo	Arrival of consultant members in Cairo
3	12 Sept., Wed.	Fair	Cairo		<ul style="list-style-type: none"> • Courtesy visit to the JICA Office • Courtesy visit to and discussions at the GOGCWS
4	13 Sept., Thur.	Fair	Cairo		Discussions on the outline of the Basic Design with the GOGCWS
5	14 Sept., Fri.	Fair	Cairo		Day off
6	15 Sept., Sat.	Fair	Cairo		Discussions on the outline of the Basic Design with the GOGCWS
7	16 Sept., Sun.	Cloudy	Cairo		Discussions on the outline of the Basic Design with the Giza Municipal Authority
8	17 Sept., Mon.	Fair	Cairo		<ul style="list-style-type: none"> • Discussions at the JICA Office and preparation of the draft M/D • Courtesy visit to the Mayor of Giza City and discussions on the Basic Design with the Giza Municipal Authority
9	18 Sept., Tue.	Rain	Cairo		Discussions and signing of the M/D
10	19 Sept., Wed.	Fair	Cairo		<ul style="list-style-type: none"> • Reporting to the MOIC • Reporting to the JICA Office • Reporting to the Japanese Embassy
11	20 Sept., Thur.	Fair	On board aircraft	Cairo (BA154) → London	Departure of consultant team members from Cairo
12	21 Sept., Fri.	Fair		London (JL402) → Tokyo	Arrival of consultant team members in Japan

APPENDIX - 3

LIST OF PARTIES CONCERNED IN THE RECIPIENT COUNTRY

List of party concerned in the recipient Country	
Position and Agency	Name
Ministry of International Cooperation (MOIC)	
First Undersecretary	Mr. Ahmed Ragaei
Japan Department	Mr. Ashraf Nofal
Economic Researcher	Ms. Dorria Salem
Economic Specialist	Mr. Jean Issac
Giza Governorate	
Governor	Mr. Mahmoud Abu El Leil
Secretary General	Mr. Mohamed Yasseen Badawy
Giza City	
Mayor	Mr. Medhat Ebrahim Draz
Secretary General	Mr. Yousef Farag
Technical Adviser	Dr. Nabil Makhlof
Manager of Infrastructure and Bridge Department	Mr. Nasr Abdallah Amber
Manager of Public Relation	Mr. Ahmed El Daramali
Manager of Financial Department	Mr. Ibrahim Abd El Wehab
Utility Dept. of Pyramids District	Mr. Saeed Mohamed
General Organization for Greater Cairo Water Supply (GOGCWS)	
Chairman	Mr. Hassanen Al Shahawy
General Director of Project Department	Mr. Samir Hassan Mohamed
Head of Department of Water Treatment Plants	Mr. Mohamed Abd El Zaher
Manager of South Giza Water Treatment Plant	Ms. Nagwa Zaghloul
Assistant Manager of South Giza Water Treatment Plant	Mr. Ezat Sadek
Manager of Japanese Plant in South Giza Water Treatment Plant	Mr. Mahmoud Shehata
Manager of Embaba Water Treatment Plant	Mr. Adel Osman
Assistant Manager of Embaba Water Treatment Plant	Mr. Badawy Mohamed
Manager of Giza Water Treatment Plant	Mr. Samir Saleeb
Acting Manager of Pyramids Water Network Center	Mr. Mustafa Saeed
Ministry of Public Works and Water Resources for Giza Governorate	
Deputy Minister, General Manager of Irrigation Department	Mr. Abu Zeid Ahmed
Manager of Irrigation Department	Mr. Sayed Gamal

Manager of Drainage Department	Mr. Adel El Tokhy
Pyramids Hills Building Society	
Chairman	Gen. Mohamed Refaat El Tabbe
Cairo Distribution Company	
General Manager	Mr. Khaled Ibrahim
Engineer of networks	Mr. Attia Ameen
Cairo Distribution Company (South Giza Networks)	
General Manager	Mr. Mohamed Abul El Fadel
Manager of Medium Voltage Department	Mr. Refaat Kenawy
National Organization of Egyptian Rail Way	
Head of Engineering Sector	Mr. Ahmed Ali Bestawy
Manger of O&M and Technical Section	Mr. Maher Shafic
Greater Cairo General Organization for Sanitary Drainage (GOSD)	
Head of O&M Sector	Mr. Mohamed Abd El Rahman
Deputy Manager of Project Dept.	Mr. Obeid Faheem Girgis
Head of Network Section in West Bank	Mr. Victor William
Embassy of Japan in Egypt	
Counselor	Mr. Fumio Iwai
Second Secretary	Mr. Kyosuke Kakuda
JICA Egypt Office	
Resident Representative	Mr. Mikio Nakamura
Deputy Resident Representative	Mr. Shogo Sakata
Assistant to Resident Representative	Ms. Ritsuko Sakamoto
Assistant to Resident Representative	Mr. Tomoyuki Uda
Assistant to Resident Representative	Mr. Hitoshi Sato
National Staff	Mr. Wael M. Yehya

APPENDIX - 4

MINUTES OF DISCUSSION

1. BASIC DESIGN STUDY

MINUTES OF DISCUSSIONS
ON
BASIC DESIGN STUDY
ON
THE PROJECT FOR IMPROVEMENT OF WATER SUPPLY SYSTEM
IN THE NORTHERN PYRAMIDS AREA IN GIZA CITY
IN THE ARAB REPUBLIC OF EGYPT

In response to a request from the Government of the Arab Republic of Egypt (hereinafter referred to as "Egypt"), the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Water Supply System in the Northern Pyramids Area in Giza City (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Egypt the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Shigeru Otake, Project Monitoring and Coordination Division, Grant Aid Management Department, JICA, and is scheduled to stay in the country from July 17 to August 28, 2000.

The Team held discussions with the officials concerned of the Government of Egypt (hereinafter referred to as the "Egyptian side") and conducted field survey in the study area.

In the course of the discussions and field survey, both sides have confirmed the main items described on the attached sheets. The Team will proceed further works and prepare the Basic Design Study report.

Cairo, July 25, 2000

Mr. Shigeru Otake
Leader
Basic Design Study Team
JICA

Mr. Medhat Ebrahim Draz
Mayor of Giza City
Giza Governorate
The Arab Republic of Egypt

Gen. Eng. Hassanen Al Shahawy
Chairman
General Organization for Greater
Cairo Water Supply (GOGCWS)
The Arab Republic of Egypt

(Witness)

Mr. Ahmed Ragaei
First Undersecretary
Ministry of International Cooperation
The Arab Republic of Egypt

ATTACHMENT

1. Objective

The Objective of the Project is to improve the living standard of population in the Northern Pyramids Area in Giza City by means of Improvement of water supply system.

2. Project Site

The Project Site as attached Annex-I

3. Responsible and Executing Organization

(1) Responsible and coordinating organization of the Project is Giza Governorate.

(2) Executing organizations are as follows:

a) Giza City

① Coordination of the Project between Japanese side and Egyptian side

Project main component is below

- Water Transmission Main described as 4. (1)

- Water distribution station

② Construction of water distribution network

b) General Organization for Greater Cairo Water Supply

① Providing technical informations for the Project to the Japanese side

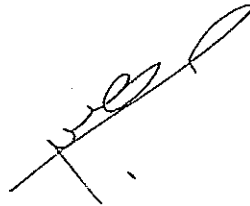
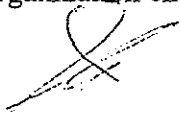
② Construction of new Water Transmission Main to be constructed by Egyptian side from Embaba Treatment Plant to the crossing point at King Faisal Street and Mariotia Canal

(3) Organization chart

The organization chart of the Giza Governorate is described in Annex-II (1/2).

The organization chart of the Giza City is described in Annex-II (2/2).

The organization chart of the Greater Cairo Water Supply is described in Annex-III.



4. Items requested by the Government of Egypt

After discussions with the Basic Design Study Team, the following items were finally requested by the Egyptian side.

- (1) Construction of water transmission main
 - Water transmission main from the crossing point at the King Faisal Street and Mariotia Canal to the water distribution station
: approx. 2.4km in length and 1,600mm in diameter.
 - Road and/or railway crossing by jacking method: 3 places.
 - Canal crossing by aqueduct: 3 places.
- (2) Construction of water distribution station
 - Water reservoir: capacity 30,000 m³, 1 unit.
 - Distribution pump station.
- (3) Provision of piping materials for water distribution network
 - Piping materials: approx. 30km in length and 200 to 600mm in diameter.

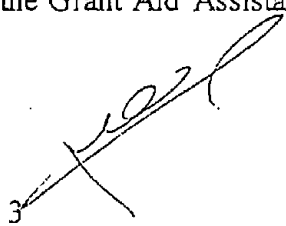

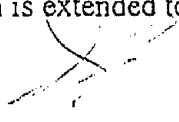
However, final items to be constructed and procured under Japan's Grant Aid will be decided after further studies in Japan, taking account of :

- existing conditions of the water supply system
- justification of the Project in the future plan for the water supply system
- water supply demand forecast
- operation and maintenance capability of the operating authority
- economic and administrative viability of the Project

*As the result of the site survey, it was found that an aqueduct is required over the Lebeni canal on the water transmission main and this aqueduct was not included in the original request by the Egyptian side. Therefore, the Egyptian side requested the Japanese side to include the construction of the above-mentioned aqueduct. The Team agreed to convey the request from the Egyptian side to the Japanese authorities concerned.

5. Japan's Grant Aid System

- (1) The Egyptian side has understood the system of Japan's Grant Aid on Annex-IV as explained by the Team.
- (2) The Egyptian side will take the necessary measures described in Annex-V for the smooth implementation of the Project, on condition that the Grant Aid Assistance by the Government of Japan is extended to the Project.



6. Schedule of the Study

- (1) The consultants will proceed to further studies in Egypt until August 28, 2000.
- (2) Based on the Minutes of Discussions and technical examination of the study results, JICA will prepare the draft report and dispatch a mission in order to explain its contents in October, 2000.
- (3) In case that the contents of the draft report are acceptable in principle by the Egyptian side, JICA will complete the final report and send it to the Government of Egypt around January, 2001.

7. Other relevant issue

(1) Basic Parameter of the Project

Both sides agreed that the target year of the Project would be 2010.

The population and required amount of water in the Project Area in 2010 shall be studied in the Basic Design Study.

(2) Supply of Water to the Project Area

The Team explained sufficient amount of treated water covering demand of the Project Area shall be secured and supplied to the Project Area by the Egyptian side.

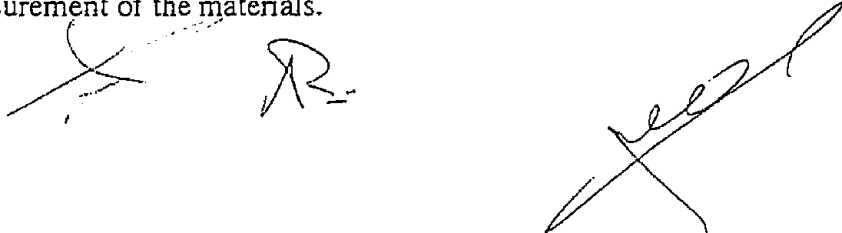
The Egyptian side explained that they would construct a new transmission main between Embaba treatment plant and the Project Area in order to supply enough water by the end of June, 2003 as shown in attachment.

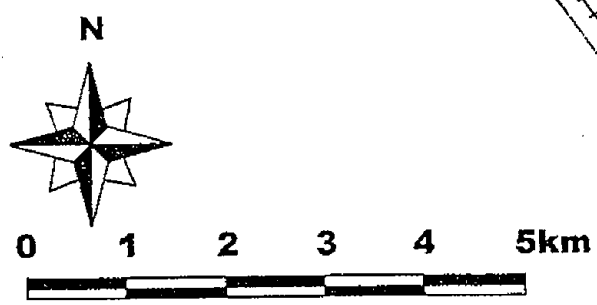
The Team requested the Egyptian side to present a photocopy of national budget allocation which has been approved by the Egyptian financial authority for the construction of the water Transmission Main. The Egyptian side answered that they would send the above documents by August 25, 2000.

(3) Provision of piping materials for water distribution network



The Team emphasized that piping materials with smaller diameter shall be procured by the Egyptian side because they can be easily procured from local market.

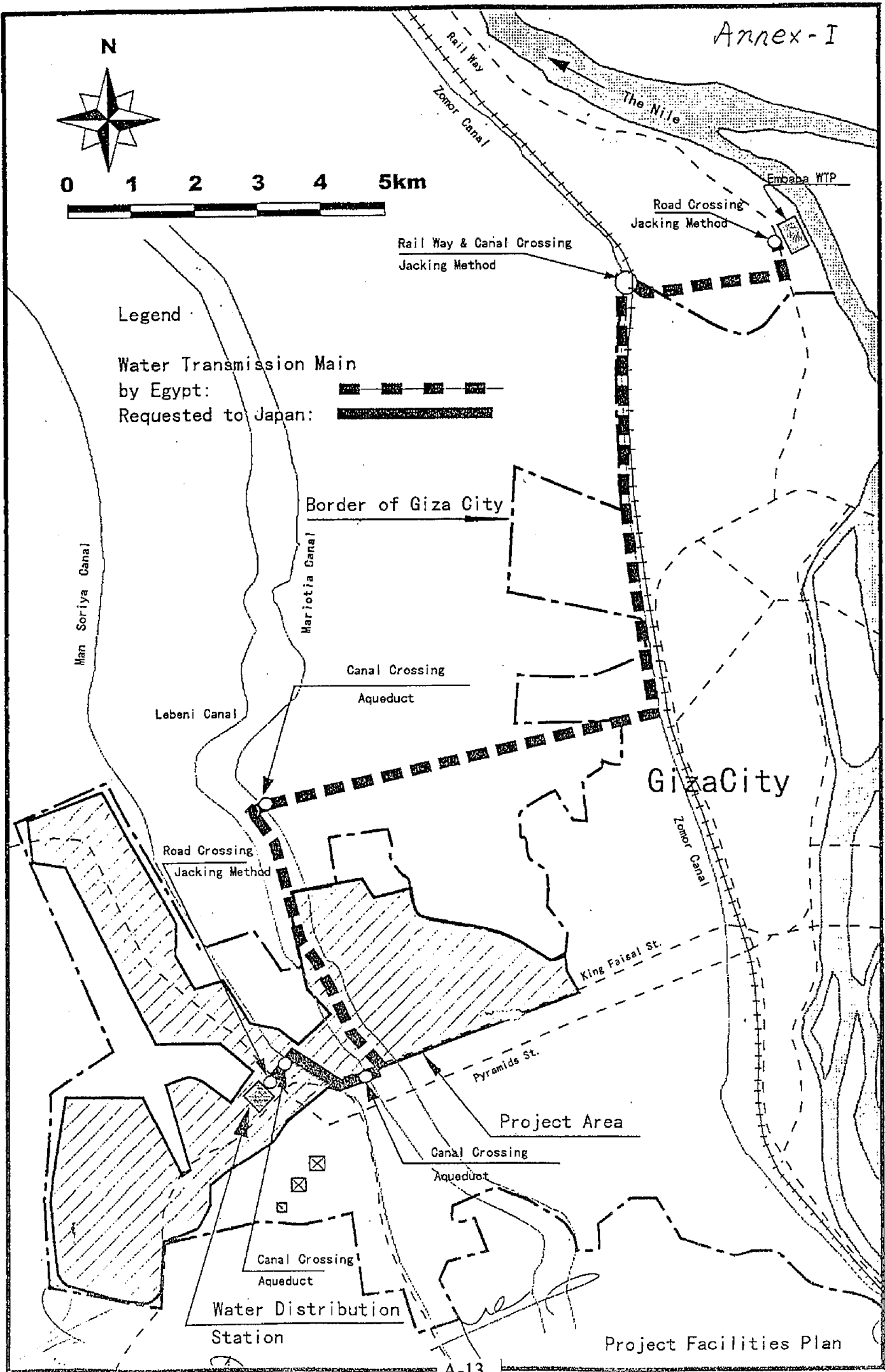
The Egyptian side explained the necessity of this item for the smooth implementation of the distribution network and requested the Japanese side again to examine the possibility for the procurement of the materials.





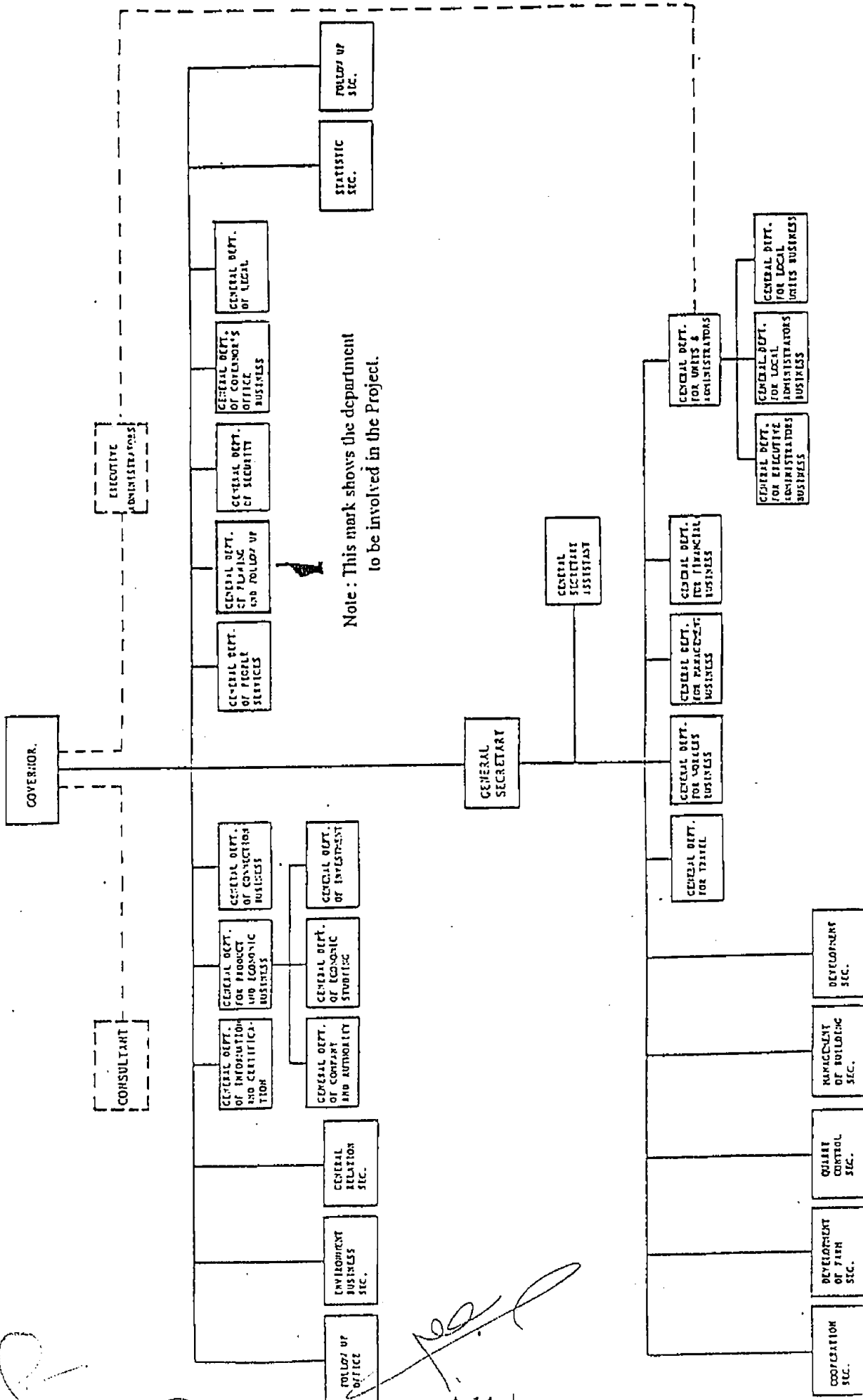
Legend

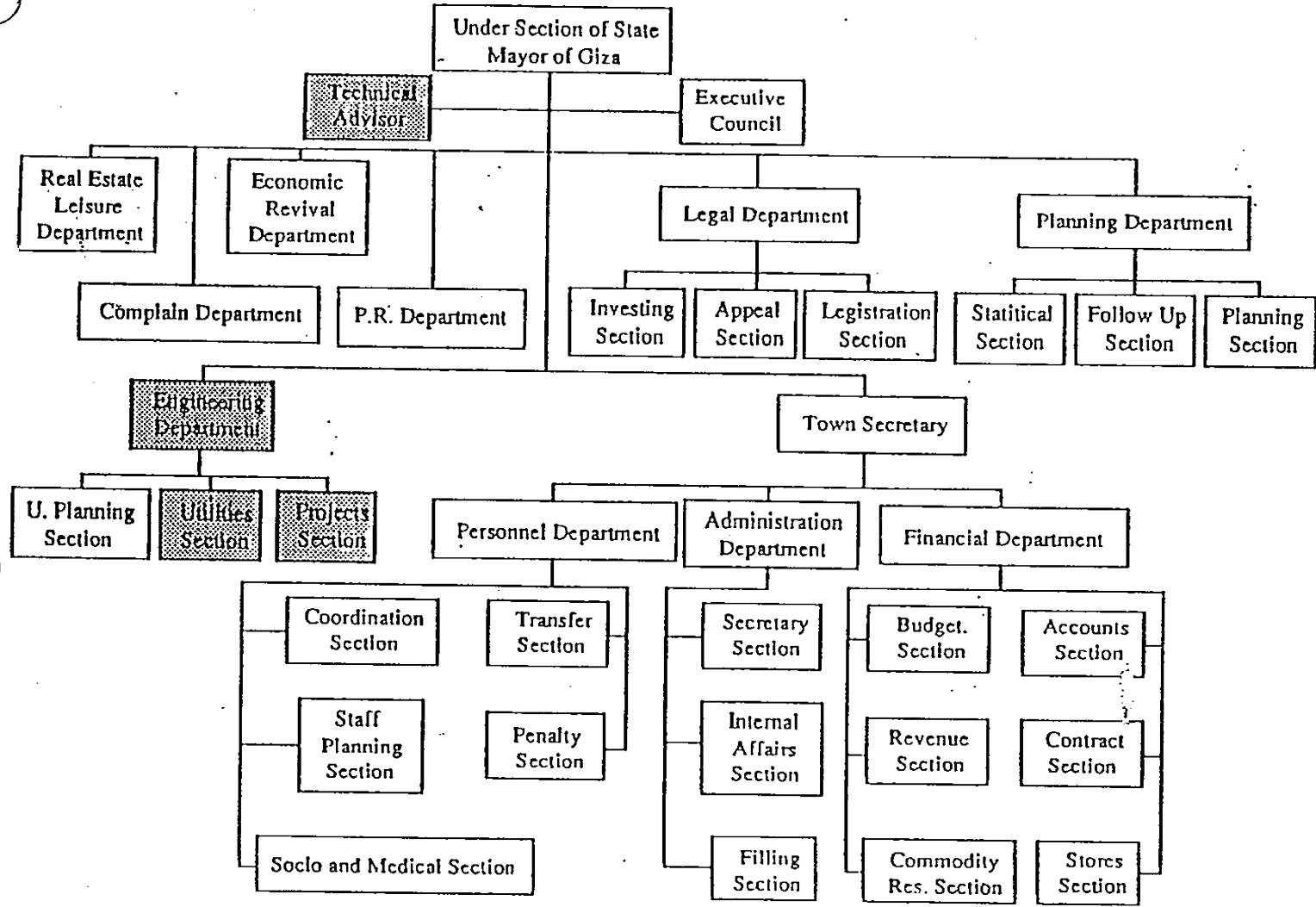
Water Transmission Main
 by Egypt: 
 Requested to Japan: 



Project Facilities Plan

Annex-II (1/2) Organization of Giza Governorate



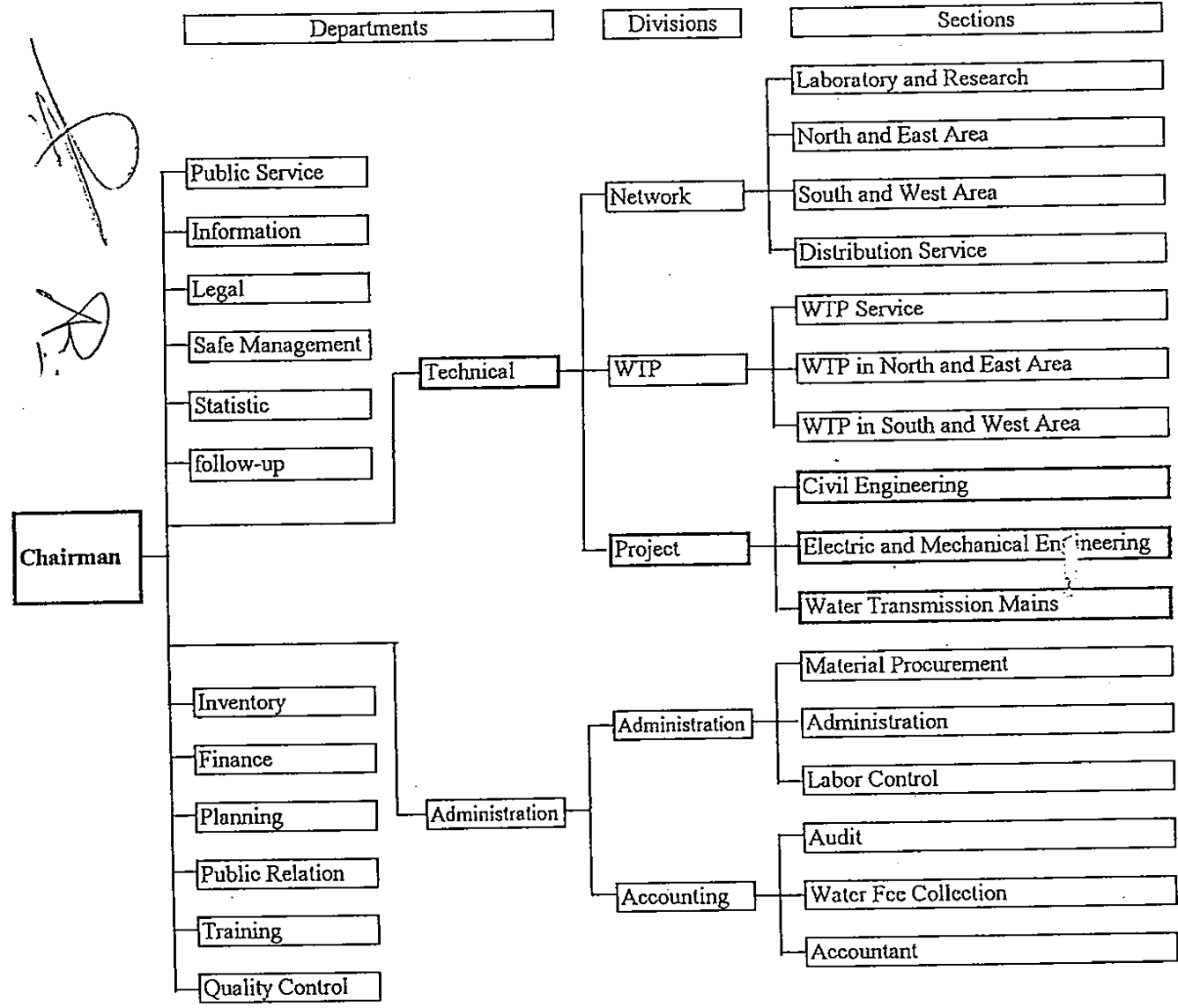


Note : Shaded parts show the section and department to be involved in the Project.

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☐ : Concerned Department, Division and Section

Organization Chart of General Organization for Greater Cairo Water Supply (GOGCWS)

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Japan's Grant Aid Programme

1. Grant Aid Procedures

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

- **Application** (A request made by the recipient country)
- **Study** (Basic Design Study conducted by JICA)
- **Appraisal & Approval** (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
- **Determination** (Exchange of Notes between the Governments of Japan and the recipient country)
- **Implementation** (Implementation of the Project)

(2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is suitable for Japan's Grant Aid. If the request is deemed suitable, the Government of Japan entrusts a study on the request to JICA (Japan International Cooperation Agency).

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

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

Fourthly, the project, once approved by the Cabinet, becomes official when pledged by the Exchange of Notes signed by the Governments of Japan and recipient country.

Finally, for the implementation of the project, JICA will assist the recipient country in such matters as preparing tenders, contract and so on.

2. Basic Design Study

(1) Contents of the study

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

- a) To confirm background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for Project implementation.
- b) To evaluate appropriateness of the Project for the Grant Aid Scheme from a technical, social and economic point of view.
- c) To confirm items agreed on by the both parties concerning the basic concept of the Project.
- d) To prepare a basic design of the Project.
- e) To estimate costs involved in the Project.

Final project components are subject to approval by the Government of Japan and therefore may differ from an original request.

Implementing the project, the Government of Japan requests the recipient country to

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take necessary measures involved which is itemized on Exchange of Notes.

(2) Selection of Consultants

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

The consultant firm(s) used for the Study is (are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency.

(3) Status of a Preparatory Study in the Grant Aid Programme

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

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

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

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

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

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

(2) Exchange of Notes (E/N)

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

(3) Period

"The period of the Grant Aid" means the one fiscal year that the Cabinet approves the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed.

(4) Purchase of the Products and or Services

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

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

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

(5) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude

contracts denominated in Japanese yen with Japanese nationals. The Government of Japan shall verify those contracts. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

(6) Undertakings required of the Government of the Recipient Country
(As described in Annex-V)

(7) Proper Use

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

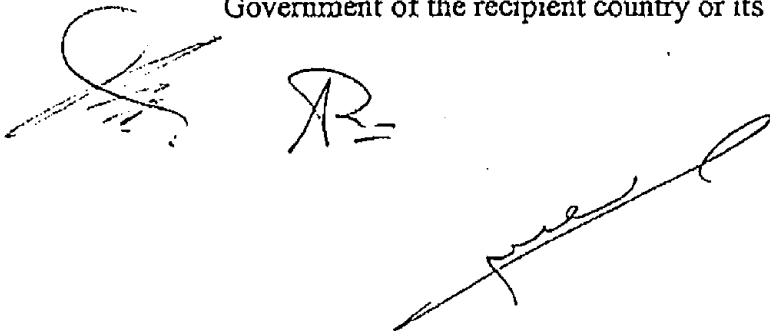
(8) Re-export

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

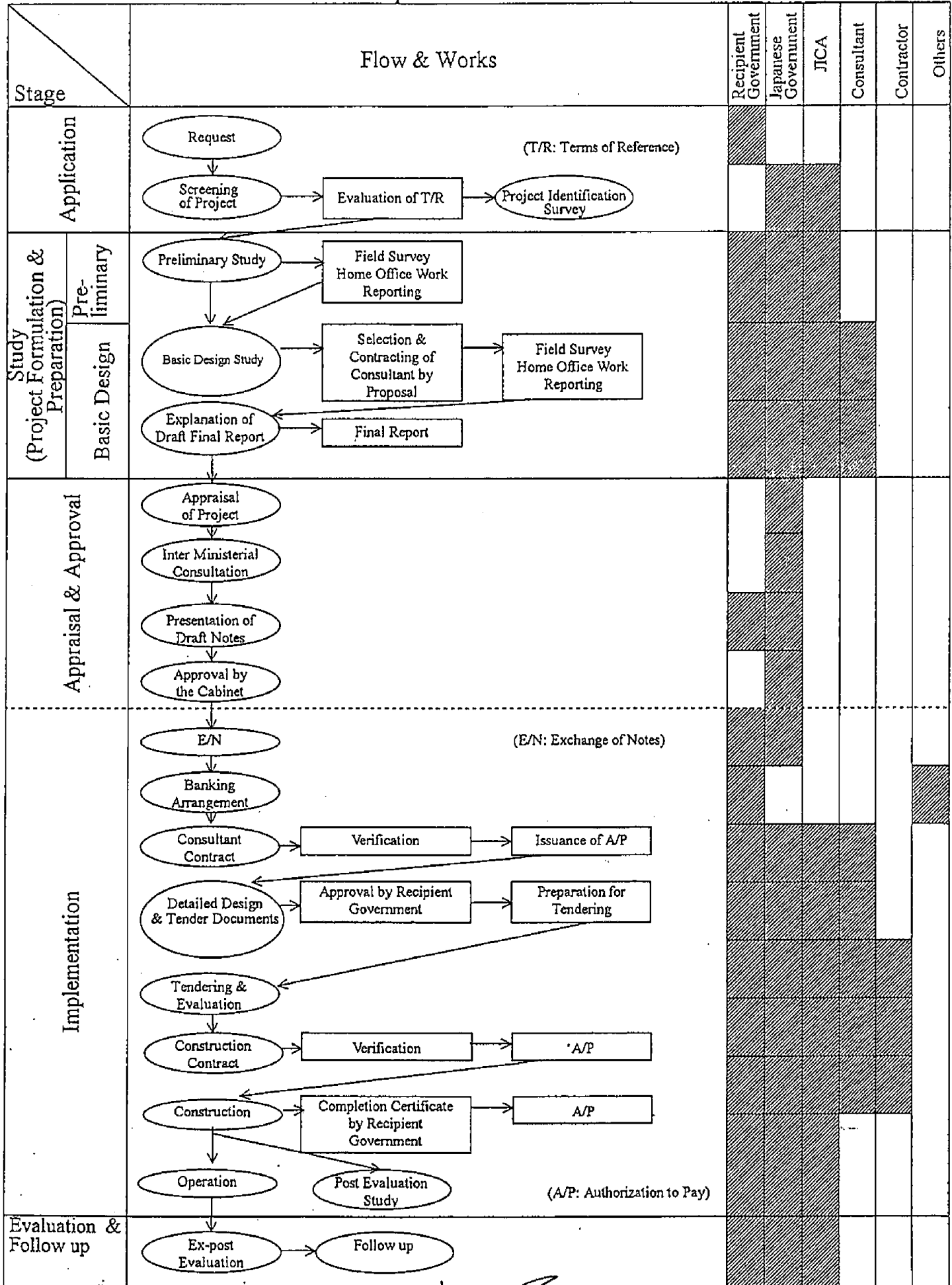
(9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the contracts verified.

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

Three handwritten signatures in black ink are present. The first is a stylized signature on the left, the second is the letters 'AR' in the middle, and the third is a long, flowing signature on the right.A small, circular handwritten mark or signature is located in the bottom right corner of the page.

Flow Chart of Japan's Grant Aid Procedures



A-20

Major Undertaking to be taken by Each Government

No.	Items	To be covered by Grant Aid	To be covered by Recipient Side
1	To secure land		●
2	To Clear, level and reclaim the site when needed		●
3	To construct gates and fences in and around the site		●
4	To construct the parking lot	●	
5	To construct roads		
	1) Within the site	●	
	2) Outside the site		●
6	To construct the buildings	●	
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1) Electricity		
	a. The distributing line to the site		●
	b. The drop wiring and internal wiring within the site	●	
	c. The main circuit breaker and transformer	●	
	2) Water supply		
	a. The city water distribution main to the site		●
	b. The supply system within the site (receiving and elevated tanks)	●	
	3) Drainage		
	a. The city drainage main (for storm, sewer and others) to the site		●
	b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	●	
	4) Gas supply		
	a. The city gas main to the site		●
	b. The gas supply system within the site	●	
	5) Telephone system		
	a. The telephone trunk line to the main distribution frame/panel (MDF) of the building		●
	b. The MDF and the extension after the frame/panel	●	
	6) Furniture and Equipment		
	a. General furniture		●
	b. Project Equipment	●	
8	To bear the following commissions to a bank in Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
9	To ensure unloading and customs clearance at port of disembarkation in recipient country		
	1) Marine (Air) transportation of the products from Japan to the recipient country	●	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		●
	3) Internal transportation from port of disembarkation to the project site	●	
10	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.		●
11	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract.		●
12	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant		●
13	To bear all the expenses, other than those to be borne by the Grant, necessary for construction of the facilities as well as for the transportation and installation of the equipment		●

(نموذج ٢٠٠٢ م)



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
”وَجَعَلْنَا مِنَ الْمَاءِ الْحَيِّ صِحْحًا“
صَدَقَ اللَّهُ الْعَظِيمُ

الهيئة العامة
لمرفق مياه القاهرة الكبرى
مكتب رئيس مجلس الإدارة

Date: July 24, 2000

Mr. Shigeru OTAKE
Leader of JICA Basic Study Team

Ref.: The Project for Improvement for Water Supply System in the Northern
Pyramids Area in Giza City

Dear Sir,

We appreciate your study for the above mentioned Project aiming the improvement of
Water Supply System in the Northern Pyramids Area.

We, General Organization for Greater Cairo Water Supply (GOGCWS), inform you
hereby that we construct and complete the Water Transmission Main (planned 23km
approx. with 1600 mm pipes in diameter) between Embaba Water Treatment Plant and
King Faisal Street in the Northern Pyramids Area as the attached map and tentative
schedule and we have already started the preparation of basic design and survey.

The transmission main project is included in the Forth Five Years Plan 1997/98—
2001/02 at the code number 257601 and we are allocated the budget for transmission
mains by the Egyptian Central Government at the amount of LE 20 million for this
fiscal year 2000/01.

Samir

Sincerely yours,



H. Elshahawy
24/7/2000

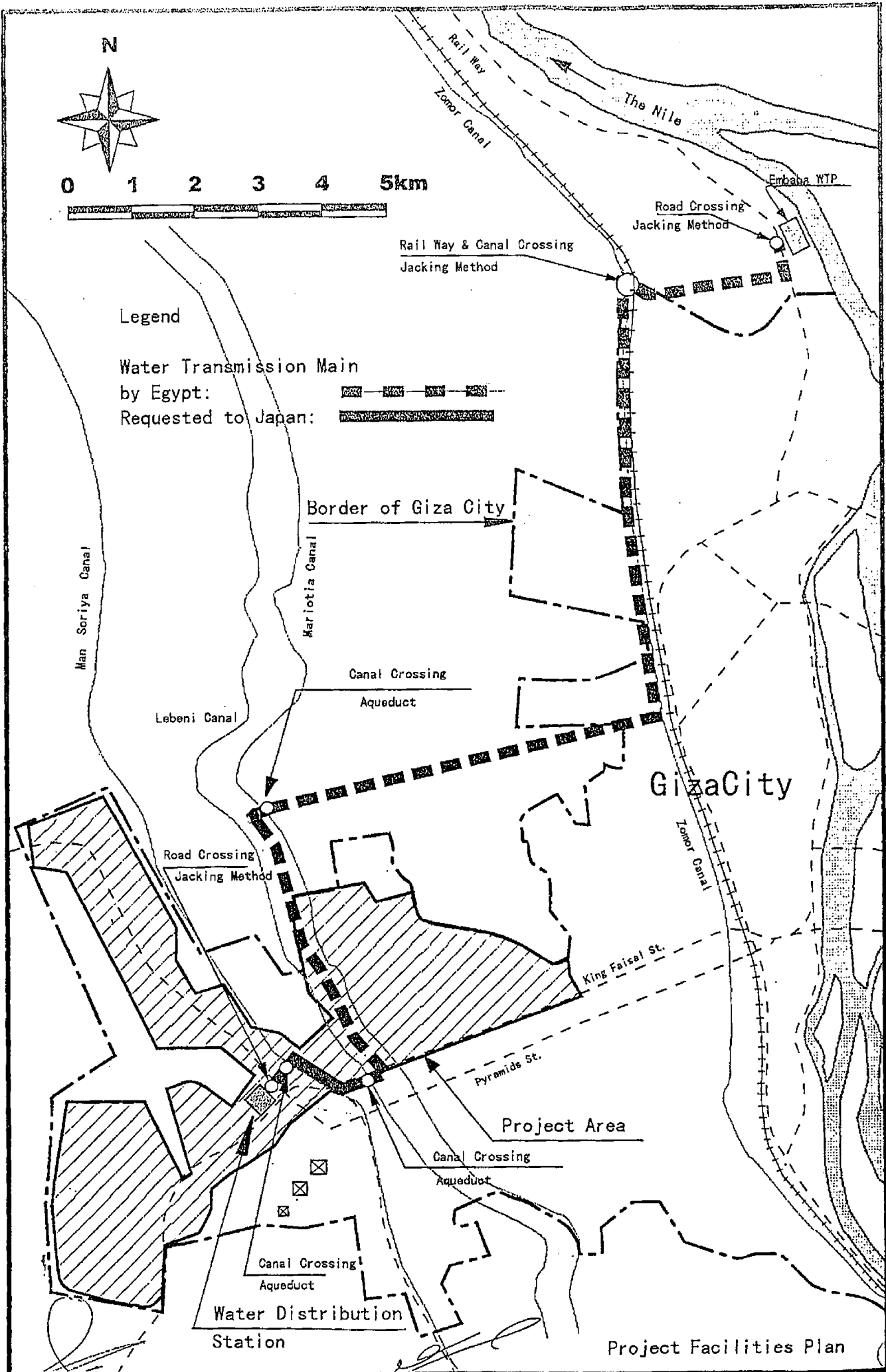
Gen. Eng. Hassanen Haafez El Shahawy
Chairman
General Organization for
Greater Cairo Water Supply
The Arab Republic of Egypt

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Tentative Schedule of construction of Water Transmission Main between Embaba WTP and Northern Pyramids Area

Made on July 24, 2000

Work Item	Year Month	2000						2001						2002						2003											
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Preparation		█	█																												
Survey and Basic Design			█	█	█																										
Detail Design					█	█	█																								
Tendering							█	█	█	█	█	█	█	█	█	█															
Materials Delivery																															
Construction																															
Test																															

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16

Made by

Samir
24/7

Samir Hassan Mohamed
General Manager of Project Department
General Organization for Greater Cairo Water Supply

5

2. IMPLEMENTATION REVIEW STUDY

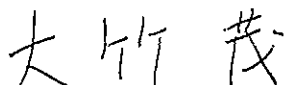
MINUTES OF DISCUSSIONS
ON
IMPLEMENTATION REVIEW STUDY
ON
THE PROJECT FOR IMPROVEMENT OF WATER SUPPLY SYSTEM
IN THE NORTHERN PYRAMIDS AREA IN GIZA CITY
IN THE ARAB REPUBLIC OF EGYPT

In July 2000, the Japan International Cooperation Agency (JICA) dispatched the Basic Design Study Team on the Project for Improvement of Water Supply System in the Northern Pyramids Area in Giza City (hereinafter referred to as "the Project") to the Arab Republic of Egypt (hereinafter referred to as "Egypt"), and through discussions, field survey, and technical examination of the results in Japan, JICA has prepared the Outline of the Basic Design for the Implementation Review Study on the Project (hereinafter referred to as "the Study").

In order to explain and to consult Egyptian side on components of the Outline of the Basic Design, JICA sent to Egypt the Implementation Reviewing Team, which is headed by Mr. Shigeru OTAKE, Project Monitoring and Coordination Division, Grant Aid management Department, JICA (hereinafter referred to as "the Team"), and is scheduled to stay in Egypt from June 20 to 29, 2001.

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

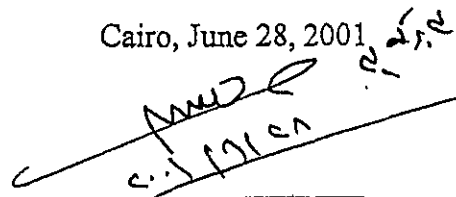
Cairo, June 28, 2001



Mr. Shigeru Otake
Leader
Implementation Reviewing
Team, JICA

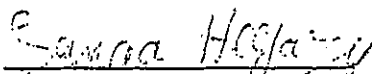


Mr. Medhat Ebrahim Draz
Mayor of Giza City
Giza Governorate
The Arab Republic of Egypt



Gen. Eng. Hassanen Al Shahawy
Chairman
General Organization for Greater
Cairo Water Supply (GOGCWS)
The Arab Republic of Egypt

(Witness)



Mrs. Sanaa' Hegazy
Undersecretary for Asia & Australia Sub-Sector
Ministry of International Cooperation
The Arab Republic of Egypt

ATTACHMENT

1. Components of the Outline of the Basic Design

The Egyptian side has agreed and accepted in principle the components of the Outline of the Basic Design proposed by the Team.

2. Japan's Grant Aid Scheme

The Egyptian side has understood the system of Japan's Grant Aid Scheme as explained by the Team and will take the necessary measures described in ANNEX-V of the Minutes of Discussions signed on the 25 July, 2000 by both sides.

3. Further Schedule of the Study

(1) Based on the Minutes of Discussions and technical examination of the study results, JICA will prepare the draft report and dispatch a mission in order to explain its contents in September, 2001.

(2) In case that the contents of the draft report are acceptable in principle by the Egyptian side, JICA will complete the final report and send it to the Government of Egypt around November, 2001.

4. Other relevant issues

The followings were discussed and confirmed by both sides

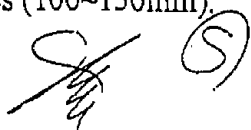
(1) Construction of new transmission main between Embaba treatment plant and the Project Area:
The Egyptian side (GOGCWS) will construct a new transmission main between Embaba treatment plant and the Project Area by the end of September, 2003 in order to supply enough water.

The construction schedule and budget allocation plan is attached as Annex 1.

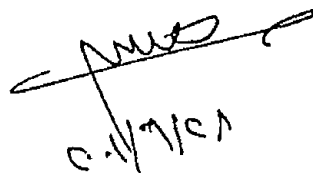
The Egyptian side (GOGCWS) agreed to submit the document showing 2001/2002 budget for the construction of above-mentioned new transmission main by the Egyptian side (GOGCWS) to the Embassy of Japan in Egypt and JICA Egypt Office by the end of July, 2001.

(2) Provision of piping materials for water distribution network:

The Team explained that the Japanese side would procure fittings and valves for water distribution main (200 ~ 400 mm x 12.5km). The Egyptian side (Giza City) agreed to procure the straight pipes for water distribution main (200 ~ 400 mm) and all the water distribution branch pipes (100~150mm).







The Egyptian side (Giza City) will complete the laying works of distribution pipe system by the end of May, 2004. The construction schedule is attached as Annex 2.

For fitting and valves, the Egyptian side (Giza City) requested the Japanese side to include those required for the construction pipe line between water distribution station and the existing water distribution mains along Alexandria Desert Road caused by the site relocation.

(3) Aqueduct over the Lebeni drain:

As the result of the discussion and site survey, it was found that the place of which the aqueduct is required over the Lebeni drain on the water transmission main was filled up and the aqueduct would not be necessary. Therefore, the Team requested the Egyptian side (GOGCWS) to conduct the construction of the water transmission main in this place. The Egyptian side (GOGCWS) agreed to construct the water transmission main in the above-mentioned place.

(4) The site of the water distribution station:

The Egyptian side requested the relocation of the water distribution station and the extension of the water transmission main shown as attached in Annex 3.

As the result of the site survey, the both sides agreed to confirm the newly proposed site is suitable for the construction of water distribution station.

The Egyptian side agreed to do the followings before the commencement of construction by Japanese side.

a. To execute the land acquisition for the newly proposed site of approximately 100m x 100m and access road approximately 15m in width and 100m in length from Alexandria Desert Road to the site, where the earthwork of the site and the surrounding area required for the appropriate construction site for the water distribution station shall be executed

b. To complete the land reclamation required for the construction of water distribution station, considering necessary safety measures including formation of the safety slope of the surrounding area of the site

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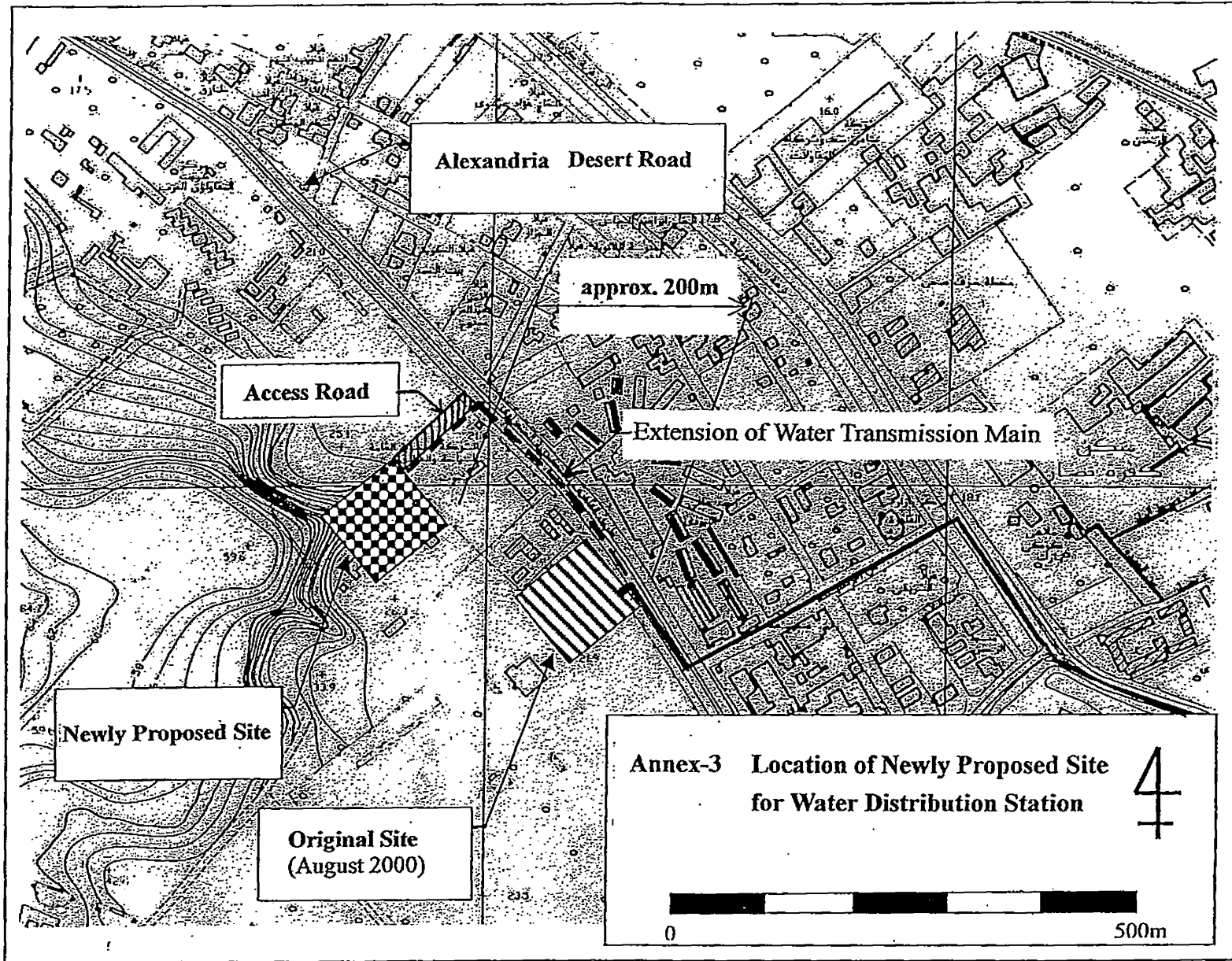
Tentative construction schedule and budget allocation plan of Water Transmission Main between Embaba WTP and Northern Pyramids Area

Made on June 28, 2001

Work Item	YEAR	2001												2002												2003												2004														
	MONTH	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12								
1. Tender Documents		█																																																		
2. Budget for new fiscal year			▽																																																	
3. Tendering				█																																																
4. Selection of Contractor					▽																																															
5. Preparation						█																																														
6. Material Delivery										█																																										
7. Construction										█																																										
8. Test																																																				
Budget Allocation Plan		←				40 million Egyptian pounds				→				←					45 million Egyptian pounds					→					←					40 million Egyptian pounds					→													

A-28

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 0-1/2/01



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C-1/1/10

**3. IMPLEMENTATION REVIEW STUDY
(EXPLANATION ON DRAFT REPORT)**

**MINUTES OF DISCUSSIONS
ON
IMPLEMENTATION REVIEW STUDY
(EXPLANATION ON DRAFT REPORT)
ON
THE PROJECT FOR IMPROVEMENT OF WATER SUPPLY SYSTEM
IN THE NORTHERN PYRAMIDS AREA IN GIZA CITY
IN THE ARAB REPUBLIC OF EGYPT**

In June 2001, the Japan International Cooperation Agency (JICA) dispatched the Implementation Review Study Team on the Project for Improvement of Water Supply System in the Northern Pyramids Area in Giza City (hereinafter referred to as "the Project") to the Arab Republic of Egypt (hereinafter referred to as "Egypt"), and through discussions, field survey, and technical examination of the results in Japan, JICA has prepared a draft report of the Basic Design Study (hereinafter referred to as "the Study").

In order to explain and to consult the Egyptian side on components of the draft report, JICA sent to Egypt the Implementation Reviewing Team (Explanation on Draft Report), which is headed by Mr. Mikio Nakamura, Resident Representative, JICA Egypt Office (hereinafter referred to as "the Team"), and is scheduled to stay in Egypt from September 11 to 20, 2001.

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

Cairo, September 19, 2001



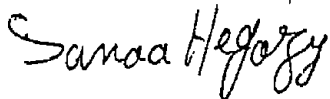
Mr. Mikio Nakamura
Leader
Implementation Reviewing
Team, JICA



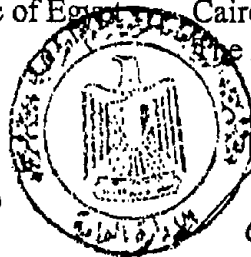
Mr. Medhat Ebrahim Draz
Mayor of Giza City
Giza Governorate
The Arab Republic of Egypt

Gen. Eng. Hassanen Al Shahawy
Chairman
General Organization for Greater
Cairo Water Supply (GOGCWS)
The Arab Republic of Egypt

(Witness)



Mrs. Sanaa' Hegazy
Undersecretary for Asia & Australia Sub-Sector
Ministry of Planning and International Cooperation
The Arab Republic of Egypt



Handwritten signature and date: 19/9/01

ATTACHMENT

1. Components of the Outline of the Basic Design

The Egyptian side has agreed and accepted in principle the components of the draft report proposed by the Team.

2. Japan's Grant Aid Scheme

The Egyptian side has understood the system of Japan's Grant Aid Scheme as explained by the Team and will take the necessary measures described in ANNEX-V of the Minutes of Discussions signed on July 25, 2000 by both sides.

3. Further Schedule of the Study

JICA will complete the final report and send it to the Government of Egypt around November, 2001.

4. Other Relevant Issues

The followings were discussed and confirmed by both sides.

(1) Budget of Giza City for the Project

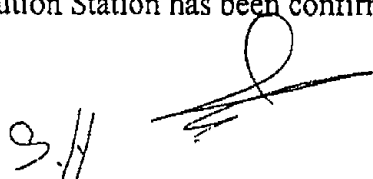
The Egyptian side (Giza City) explained that they have already got the code number (No.3264) in the current Five Year Plan (1997/1998 to 2001/2002) for water supply projects in Giza City as attached in Annex-1 and they are allowed to use this code number for the works to be done by Giza City for the Project as attached in Annex-2.

Giza City agreed that, if this code number is changed in the new Five Year Plan (2002/2003 to 2006/2007), they will submit the document showing the new code number for the Project issued by Ministry of Planning and International Cooperation (MOPIC) to the Embassy of Japan in Egypt and JICA Egypt Office by the end of July, 2002.

Giza City also agreed to submit the document showing that they have requested to MOPIC for the budget allocation for the Project to the Embassy of Japan in Egypt and JICA Egypt Office by the end of November 2001.

(2) Demarcation of preparation work for Water Distribution Station

Demarcation of preparation work between Giza City and GOGCWS regarding Water Distribution Station has been confirmed as follows.



- ① Land Acquisition : GOGCWS
- ② Existing Facilities Removal : GOGCWS
- ③ Land Preparation Work : Giza City

(3) Land acquisition for access road to Water Distribution Station

The Egyptian side (Giza City) stated that they have already started the procedure for the land acquisition of the access road to Water Distribution Station for the Project submitting a letter to General Authority for Survey as attached in Annex-3.

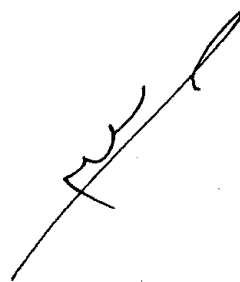
Giza City explained that the land acquisition of the access road will be executed in the same manner as the procedure applied for the land acquisition of Water Distribution Station No.1 and No.2 in the previous Japanese Grant Aid project for Improvement of Water Supply System at the Southern Pyramids Area in Giza City completed in 2000 as explained in Note 1 of Annex-2.

(4) Land acquisition for Water Distribution Station

The Egyptian side (GOGCWS) explained that the land for Water Distribution Station has already been granted by Ministry of Defense to GOGCWS for the Project.

The Egyptian side (GOGCWS) submitted to the Team a letter from Ministry of Defense to GOGCWS dated September 13, 2001 as attached in Annex-4 confirming that the land for Water Distribution Station shall be used permanently for public utility (Water Distribution Station for the Project).

S.H



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

إلى التخطيط

١٥٠
٢/١٤٤

٤٠٤
٢/١٤٤

السيد الامتاز / احمد عفت فودة
المكتب العام لحافطة الجيزة

تحية طيبة وبعد ...

اشرف باحاطة سيادتكم علما بان السيد الامتاز / وزير الدولة للتخطيط
والتعاون الدولي وافق لحافطة الجيزة على مايلي :

١ - زيادة اعتمادات نشاط شبكات مياه الشرب (كود رقم ٣٢٦٤) المدرج
في الخطة الخمسية ١٨/١٢ - ٢٠٠٢/٢٠٠١ لديران عام الحافطة
بمبلغ ٢٠١,١٤٣ مليون جنيه مصري (منها ١٥ مليون جنيه أرض
١٢٢,٦٢٢ مليون جنيه تشييدات ، ٢٨,٥٠٦ مليون جنيه آلات ومعدات
٦٠ مليون جنيه رسوم جبركية ، موزمة على النحو التالي :
١١٦,١٤٣ مليون جنيه منح اجنبيه مسولة من الحكومة اليابانية قدرها
١٤٢٠ مليار ين ياباني على اساس ان ١٠٠ ين تعادل ٢٨٣
جنيه مصري .

٨٢,٠٠٠ مليون جنيه نقد محلي (هناك الاستثمار) حصة الجانب
المصري (المقابل المحلي للنحة) .

زيادة اعتمادات النشاط الاستثمار اليه بماليه والدرج في خطة ديوان ممام
الحافطة للعام التالي ١٨/١٢ بمبلغ ٥٦٤,٥٨ مليون جنيه منح اجنبيه
(منها ٣٨١,٦٦١ مليون جنيه تشييدات ، ١٢٢,٨١٩ مليون جنيه آلات ومعدات
مسولة من الحكومة اليابانية ، حتى تتمكن الحافطة من تطوير ميساء
الشرب بمنطقة جنوب مدينة الجيزة .

وتفضلوا بقبول فائق الاحترام

رئيس هيئة

تخطيط اقليم القاهرة الكبرى

نادية هاشم زكي صادق

علاء الدين

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١٥٠
٢/١٤٤

MINISTRY OF PLANNING

Date: March 22nd, 1998
Ref: 150/March 22nd

Mr. Ahmed Effat Fouda
General Secretary
Giza Governorate

Dear Sir,

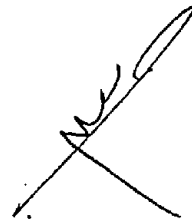
Please be advised that the Minister of Planning and International Cooperation has approved the following in favor of Giza Governorate:

- 1- Increase the allocations of Potable Water Networks activities (Code No. 3264) that is included in the five year plan 1997/98 ~ 2001/02 of Giza Governorate with total amount of 201.143 million Egyptian Pounds (of which 15 million Egyptian Pounds for land, 137.637 million Egyptian Pounds for constructions, 28.506 million Egyptian Pounds for machinery and equipment, and 20 million Egyptian Pounds for customs duties) distributed as follows:
 - 119.143 million Egyptian Pounds as foreign donations from the Japanese Government, corresponding to 4.21 billion yen, provided that 100 yen equals 2.83 Egyptian Pounds.
 - 82 million Egyptian Pounds as local funds (Investment Bank) representing the allocation of the Egyptian side (local allocations).

- 2- Increase the allocation of the above-mentioned activity that is included in the annual plan of Giza Governorate 1997/98 with 56.458 million Egyptian Pounds as foreign donations (of which 38.969 million Egyptian Pounds for constructions, and 17.489 million Egyptian Pounds for machinery and equipment) financed by the Japanese Government, so that Giza Governorate can develop Potable Water Supply in southern area of Giza City.

Best regards

Ms. Nadia Hanem Zaki Sadek
Chairperson, Organization for Greater Cairo Region Planning

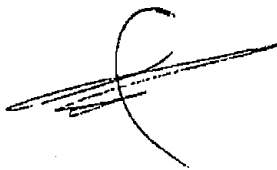
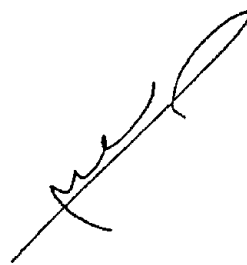
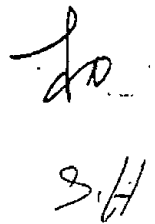


Annex-2 Works to be done by Giza City for the Project

No.	Works to be done by Giza City
①	Land acquisition of access road to Water Distribution Station (#1)
②	Preparation work of the access road
③	Land reclamation for the site of Water Distribution Station
④	Landscaping and construction of fence and gate
⑤	Procurement of piping materials for water distribution main and branch line other than those supplied by the Japanese side
⑥	Construction of water distribution branch lines
⑦	Construction of water distribution mains from Water Distribution Station to the existing distribution mains
⑧	Installation of house connections and fire hydrants
⑨	Installation of electric power receiving facilities
⑩	Construction of drainage facility from Water Distribution Station to the existing sewer line

Note 1. The procedure for the land acquisition of the access road to Water Distribution Station is as follows.

- ① After the Exchange of Notes for the Project, Giza City receives the Prime Minister decree for the land acquisition for the public utility (the access road to Water Distribution Station for the Project).
- ② With the Prime Minister decree, Giza City is allowed to execute the land acquisition whoever is the landowner for the land and pay the cost for the land to General Authority for Survey according to their evaluation.
- ③ Immediately after the above-mentioned steps are completed, Giza City starts the required works for the access road for the Project.
- ④ General Authority for Survey refunds the owners of the land later on after checking their documents.

Letter from Giza City to General Authority for Survey for the Land Acquisition of Access Road to Water Distribution Station

الإدارات الهندسية

إدارة المياه ونزح المياه

[Arabic Original]

السيد المهندس/ مدير عام مديرية المساحة

بالجيزة

تحية طيبة وبعد

الحاقاً لكتابنا رقم ٣٠٣٦١ م بتاريخ ٢٠٠١/٦/٢٠ بشأن موافاة سياستكم بملات لوجيات مساحيه
مقياس رقم ١:٥٠٠٠٠ م وتم ماية نزار المياه وكذلك الحريق العظيم اجراء نزع ملكية
له بطريقه مصر استكثرت المساحة برأوى ' نزار' حيايه مياه من المهندسه اليابنيه
يرجى منكم عمل المعاينه اللازمه وتحديد المساحه المراد نزع ملكيته وكذا اسم
المالك وكذا قيمة الاموال المملوكة للمالكين المالكين المالكين المالكين المالكين
باعتباركم بالمعايير المعمول بها في القانون رقم ١٠ لسنة ١٩٥٠

من اعتبار ان المشور عاجل وهو

وتشاكرا بتموا فاعه الى

وكيل اول الوزارة

رئيس مدينه الجيزه

السيد المهندس/ مدير عام التثمين

الهيئة العامة للمساحة

تحية طيبة وبعد

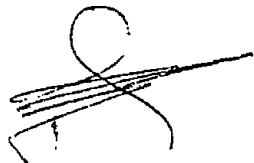
المسطر بعاليه صورته ماتح ررالى السيد المهندس/ مدير عام مديريه

المساحه وذلك بخصوص الارض المراد نزع ملكيتها

برجاء التكرم بموافاة بعينه المبالغ المطلوبه نزع الملكيه حيايه

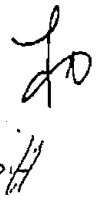
يمكن تدبير المبالغ المطلوبه

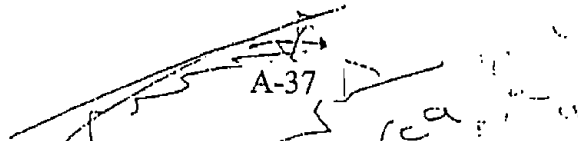
وتفضلوا بقبول فائق الاحترام



وكيل اول الوزارة

رئيس مدينه الجيزه



 A-37

Giza City
Engineering Directorate
Property and Land Acquisition Directorate

Att : Mr. Eng. General Manager of Survey Directorate at Giza

Reference is made to our letter No. 391/3m dated 6 May 2001 regarding sending three topographic maps of scale 1:2,500 showing the location of the water reservoir and the access road, which we request to have its property at Cairo-Alexandria desert road to construct pump station through Japanese Grant.

You are kindly requested to do the necessary survey and to determine the required area to be obtained and also the name of the owner and the cost for the land property so that we will be able to issue the necessary cheque by your name and of the requested amount as per land acquisition law No. 10 for the year 1990.

Your kind attention will be highly appreciated.

Regards

First Deputy Minister
Mayor of Giza City

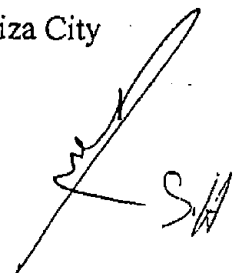
Att : Mr. General Manager of Land Evaluation, the General Authority for Survey

Please find in the above a copy of our letter to Mr. Eng. General Manager of Survey Directorate regarding the land which we require its property.

You are kindly requested to inform us of the required amount of money so that we can allocate for land property.

First Deputy Minister
Mayor of Giza City

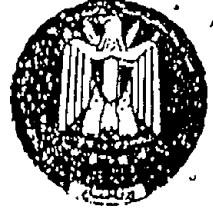
Date : 29 May 2001



[Arabic Original]

بسم الله الرحمن الرحيم

جمهورية مصر العربية



الأمانة العامة لوزارة الدفاع

٩٧٤٢

رقم القيد : ٢٠٠١/٩/١٢

التاريخ : ٢٠٠١/٩/١٢

(٨)

السيد المهندس/ حسنين الشهاوى

رئيس مجلس إدارة مرفق مياه القاهرة الكبرى

تحية طيبة وبعد ...

الحاقاً لكتابنا رقم ٥٩٠١ بتاريخ ٢٠٠١/٢/٢١ بشأن تخصيص مساحة ٥٠ X ٥٠ متر (بدون مقابل) من أراضى القوات المسلحة الواقعة بنادى الرماية بالهرم لصالح إقامة خزان ومحطة رفع مياه لخدمة منطقة الهرم، وإيماءاً لكتاب سيادتكم بتاريخ ٢٠٠١/٢/٢٦ بشأن طلب زيادة المساحة لتكون ١٠٠ X ١٠٠ متر بما يمكن تنفيذ كافة عناصر المشروع.

يرجى التفضل بالاحاطة بأن السيد القائد العام للقوات المسلحة وزير الدفاع والانتاج الحربى قد أمر بالاستجابة لطلب سيادتكم تحقيقاً للصالح العام ولخدمة المنطقة وصدرت الموافقة على السماح للمرفق باستغلال مساحة ١٠٠ X ١٠٠ متر الموضحة بالخريطة المرفقة للغرض المشار اليه عاليه وبصفة دائمة على أن يقوم بتلافي أى تداخلات مع منشآت قائمة أو تنفيذ منشآت بديلة مماثلة.

وقد رأيت الكتابة لسيادتكم للتعلم بالتنبيه باجراء التنسيق اللازم مع نادى الرماية بالهرم لتحديد المساحة المذكورة على الطبيعة ودراسة موقف أى منشآت متداخلة بها.

والتهز هذه الفرصة لأعرب عن سيادتكم عن استعداد القوات المسلحة لتقديم كل معاونة صادقة للمرفق فى إطار المصلحة القومية. وتفضلوا بقبول فائق الاحترام .

مع وافر التحية ..

لواء أ.ح / ماجد أحمد فراج
أمين عام وزارة الدفاع

[English Translation]

ARAB REPUBLIC OF EGYPT
MINISTRY OF DEFENSE
GENERAL SECRETARIAT

NOTE VERBAL: 27/157/6C3
DATE: Sep. 13th, 2001

Eng. Hassanen Al Shahawy,
Chairman, General Organization
For Greater Cairo Water Supply,

Dear Eng. Shahawy,

Reference to your letter (No. 5901, dated February 21st, 2001) concerning the allocation of an area (50m x 50m) – for free – surrounding the Shooting Club and possessed by the Army in order to establish a Water Reservoir and a Pump Station to render its service to the Pyramids Area, and reference to your letter (dated February 26th, 2001) concerning the request of increasing the surface area to 100m x 100m in order to implement all the components of the project.

Please be advised that the General Commander of the Military Force and the Minister of Defense and Military Armament has approved your request by permanently exploiting and utilizing the area (100m x 100m) shown in the attached map in favor of the public interest, given that the project should not interfere with existing facilities. In case the project should demolish existing facilities, establishing of new ones is a must.

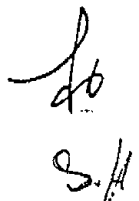
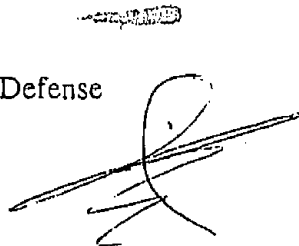
Hence, you are kindly requested to coordinate with the Shooting Club in the Pyramids Area in order to specify the above-mentioned area on site and identify the existing facilities over there.

Finally, I would like to seize this opportunity to express the Army's willingness to cooperate with GOGCWS in favor of the public interest.

Thanks for your cooperation.

Best regards,

General Staff. Maged Ahmed Farag
General Secretary of the Ministry of Defense



APPENDIX - 5

COST ESTIMATION BORNE BY THE RECIPIENT COUNTRY

Cost Estimation Borne by the Recipient Country

For Giza City

LE

No.	Item	Specifications	Unit	Quantity	Unit Price	Price	Remark
1.	Preparation of Access Road to Water Distribution Station						
1-1	Construction	W=15m	m	100	2,530.00	253,000	
	1. Sub Total					253,000	
2.	Land Reclamation for the site of Water Distribution Station						
2-1	Reclamation		m2	10,000	69.70	697,000	
	2. Sub Total					697,000	
3.	Landscaping and Construction of Fence and Gate						
3-1	Fence	H=2m, Block	m2	800	135.00	108,000	
3-2	Gate	Steel	m2	30	769.00	23,070	
3-3	Landscape & Planting		LS	1	38,500.00	38,500	
	3. Sub Total					169,570	
4.	Construction of Water Distribution Network						
4-1	Water Distribution Main						
4-1-1	Material Procurement						
(1)	DCI Straight Pipe	1000 mm	m	30	1,754.00	52,620	Local
(2)	DCI Straight Pipe	600 mm	m	36	765.00	27,540	Local
(3)	DCI Straight Pipe	400 mm	m	1,404	418.00	586,872	Local
(4)	DCI Straight Pipe	350 mm	m	6	374.00	2,244	Local
(5)	DCI Straight Pipe	300 mm	m	6,354	309.00	1,963,386	Local
(6)	DCI Straight Pipe	200 mm	m	5,562	184.00	1,023,408	Local
(7)	DCI Straight Pipe	150 mm	m	18	136.00	2,448	Local
(8)	DCI Straight Pipe	100 mm	m	132	85.00	11,220	Local
	4-1-1 Sub Total					3,669,738	
4-1-2	Construction Work						
(1)	Pipe Laying	400 mm	m	1,440	71.00	102,240	
(2)	Pipe Laying	300 mm	m	6,170	71.00	438,070	
(3)	Pipe Laying	200 mm	m	4,930	71.00	350,030	
	4-1-2 Sub Total					890,340	
	4-1 Water Distribution Main Total					4,560,078	
4-2	Water Distribution Branch Line						
4-2-1	Material Procurement						
(1)	DCI Straight Pipe	150 mm	m	4,830	136.00	656,880	Local
(2)	DCI Straight Pipe	100 mm	m	20,790	85.00	1,767,150	Local
(3)	All Socket Tee	300mm x 100mm	pcs	3	1,438.00	4,314	CIF
(4)	All Socket Tee	200mm x 100mm	pcs	2	993.00	1,986	CIF
(5)	All Socket Tee	150mm x 150mm	pcs	3	993.00	2,979	CIF
(6)	All Socket Tee	150mm x 100mm	pcs	57	850.00	48,450	CIF
(7)	All Socket Tee	100mm x 100mm	pcs	27	748.00	20,196	CIF
(8)	Bend	150mm x 45	pcs	2	510.00	1,020	CIF
(9)	Bend	100mm x 90	pcs	9	408.00	3,672	CIF
(10)	Bend	100mm x 45	pcs	2	408.00	816	CIF
(11)	Bend	100mm x 22.5	pcs	2	408.00	816	CIF
	4-2-1 Sub Total					2,508,279	

No.	Item	Specifications	Unit	Quantity	Unit Price	Price	Remark
4-2-2	Construction						
(1)	Pipe Laying	150 mm	m	4,830	71.00	342,930	
(2)	Pipe Laying	100 mm	m	20,790	71.00	1,476,090	
	4-2-2 Sub Total					1,819,020	
	4-2 Water Distribution Branch Line Total					4,327,299	
4-3	Connection between Water Distribution Station and Water Distribution Network						
4-3-1	Material Procurement						
(1)	DCI Straight Pipe	300 mm	m	110	309.00	33,990	Local
(2)	DCI Straight Pipe	600 mm	m	510	765.00	390,150	Local
(3)	DCI Straight Pipe	800 mm	m	120	1,212.00	145,440	Local
(4)	DCI Straight Pipe	1,000 mm	m	500	1,754.00	877,000	Local
	4-3-1 Sub Total					1,446,580	
4-3-2	Construction						
(1)	Pipe Laying	300 mm	m	110	71.00	7,810	
(2)	Pipe Laying	600 mm	m	510	107.00	54,570	
(3)	Pipe Laying	800 mm	m	120	142.00	17,040	
(4)	Pipe Laying	1,000 mm	m	500	142.00	71,000	
	4-3-2 Sub Total					150,420	
	4-3 Connection Total					1,597,000	
	4. Construction of Water Distribution Network Sub Total					10,484,377	
5.	Execution of House Connection						
5-1	House Connection	per branch line length	m	25,600	49.00	1,254,400	
	5-1 Sub Total					1,254,400	
	Grand Total for Giza City					12,858,347	

For GOGCWS

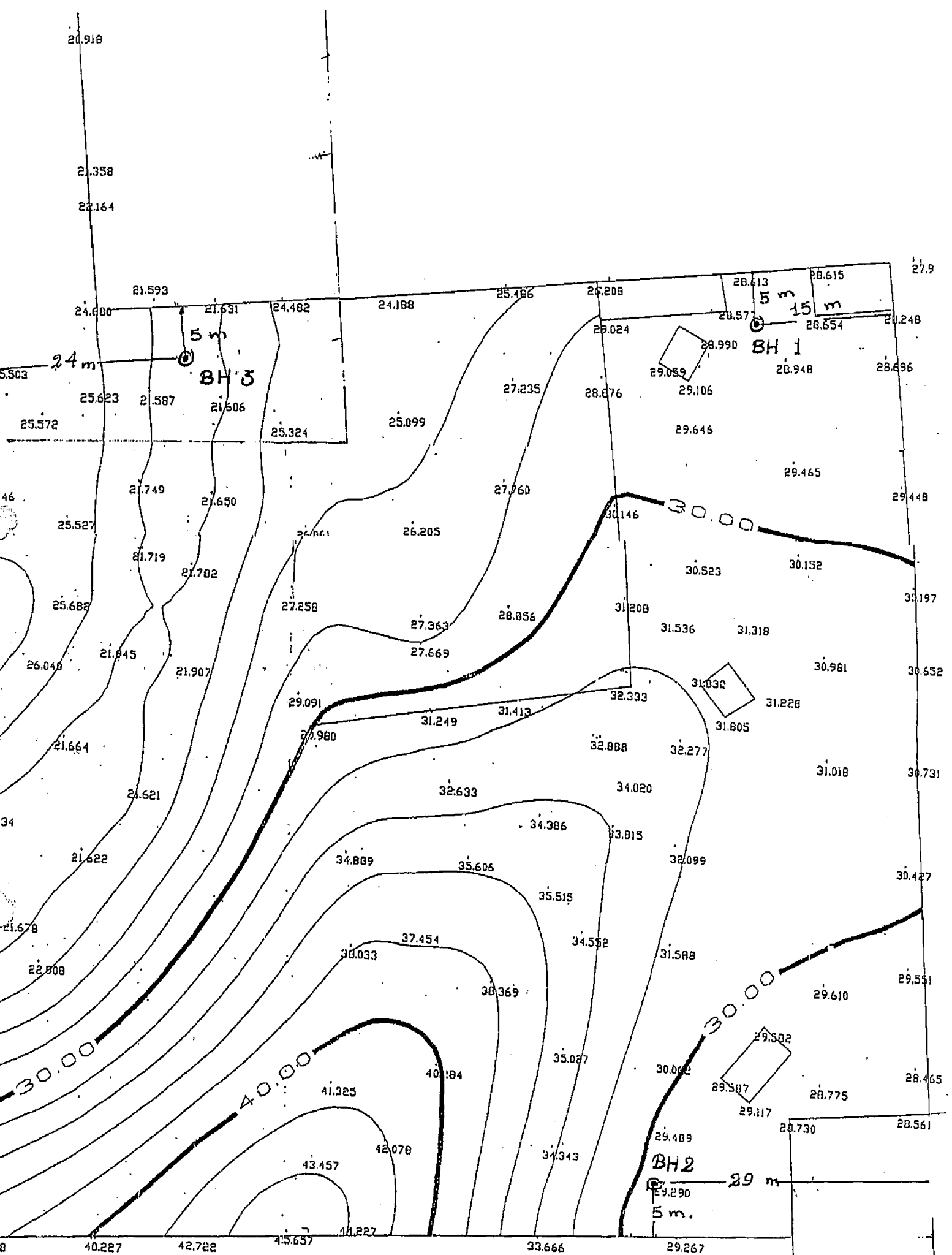
LE

No.	Item	Specifications	Unit	Quantity	Unit Price	Price	Remark
1.	Water Transmission Main						
	Material and Construction for 1600mm x 25km		lot	1		125,000,000	
2.	Distribution Main Connection between Southern and Northern Areas						
	Construction incl. Material		m	600	900.00	540,000	
	Ground Total for GOGCWS					125,540,000	

	Ground Total for the Recipient Country					138,398,347	
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APPENDIX - 6

RESULT OF BORE HOLE TEST



CROSS SECTION

Borehole No. (2)

Client : ARC Design and Consulting Engineering

Laboratory No. 119
Date: May 23, 2001

Location : Project for Improvement of Water Supply System in Northern Pyramids Area in Giza city

Depth in meter	Sample Symbol	Sample number	Layers		SPT / 50 Cm test or Q_u	Soil description and classification	Sub soil water Level
			Log	Elevation			
1	●	1	[Pattern]	1.00		Light brown cohesionless calcareous gravelly sand contains some silt	
2	●	2	[Pattern]		42		
3	●	3	[Pattern]		44	Light brown cohesionless calcareous	
4	●	4	[Pattern]		66	poorly graded medium to fine sand	
5	●	5	[Pattern]		39		
6	●	6	[Pattern]		61		
7	●	7	[Pattern]		67		
8	●	8	[Pattern]	8.00	71		
9	●	9	[Pattern]		72		
10	●	10	[Pattern]		71	Light yellowish brown cohesionless	
11	●	11	[Pattern]		78	calcareous poorly graded fine to medium	
12	●	12	[Pattern]		73	sand contains traces of silt	
13	●	13	[Pattern]		50/15		
14	●	14	[Pattern]		87		
15	●	15	[Pattern]		50/12		
16	●	16	[Pattern]		50/15		
17	●	17	[Pattern]		50/12		
18	●	18	[Pattern]		50/12		
19	●	19	[Pattern]		50/11		
20	●	20	[Pattern]	20.00	50/12		



Note : The elevations and depths were measured from the ground surface level

CROSS SECTION

Borehole No. (1)

Client : ARC Design and Consulting Engineering

Laboratory No: 19

Date: May, 23, 2001

Location : Project for Improvement of Water Supply System in Northern Pyramids Area in Giza city

Depth in meter	Sample Symbol	Sample number	Layers		SPT / 30 Cm test No.	Soil description and classification	Sub soil water Level
			Log	Elevation			
1	●	1	1.00	1.00		Fill, Brown slightly cemented calcareous gravelly (brick mortar fragments) sand contains some silt	
2	●	2			43		
3	●	3			31		
4	●	4			33		
5	●	5			42	Light brown cohesionless calcareous medium to fine sand contains traces of silt and gravel	
6	●	6			42		
7	●	7	7.00		28		
8	●	8			33	Brown slightly cemented calcareous medium to fine sand contains some silt	
9	●	9			38		
10	●	10	10.00		50/14		
11	●	11			50/15		
12	●	12			50/14	Brown slightly cemented calcareous silty fine and medium sand	
13	●	13			50/12		
14	●	14			50/14		
15	●	15	15.00		50/12		



Note : The elevations and depths were measured from the ground surface level

CROSS SECTION

Borehole No. (3)

Client : ARC Design and Consulting Engineering

Laboratory No. : 19
Date : May.23,2001

Location : Project for Improvement of Water Supply System in Northern Pyramids Area in Giza city

Depth in meter	Sample Symbol	Sample number	Layers		SPT - 30 Cm test or q_u	Soil description and classification	Sub soil water Level
			LOG	Elevation			
1	●	1		1.00		Light brown cohesionless calcareous gravelly sand contains traces of silt	
2	●	2			33		
3	●	3			41	Light brown cohesionless calcareous poorly	
4	●	4			31	graded medium to fine sand contains traces	
5	●	5			58	of silt	
6	●	6			51		
7	●	7		-7.00	57		
8	■	8			2.2 kg/cm ²		
9	■	9			1.7 kg/cm ²	Dark brown cemented disintegrated calcareous	
10	■	10			2.6 kg/cm ²	clayey silt contains some sand	
11	■	11			3.2 kg/cm ²		
12	■	12		-12.00	2.9 kg/cm ²		
13	■	13			3.4 kg/cm ²	Dark brown cemented disintegrated calcareous	
14	●	14		-14.00		sandy clayey silt	
15	●	15		-15.00	50/12	Light brown cohesionless calcareous graded sand contains some gravel	
16	●	16			50/15		
17	●	17			50/14	Light brown cohesionless calcareous	
18	●	18			50/13	medium to fine sand	
19	●	19			50/14		
20	●	20		-20.00	50/13		



Note : The elevations and depths were measured from the ground surface level