

APPENDIX 1 MEMBER LIST OF THE STUDY TEAM

1. Field Survey

Name	Position	Affiliation
(1) Mr. Ryuichi KATO	Team Leader	Deputy Resident Representative JICA Senegal Office
(2) Ms. Maki IKKATAI	Coordinator	First Project Management Division Grant Aid Management Dept., JICA
(3) Mr. Shigeyoshi KAGAWA	Chief Consultant	Japan Techno Co., Ltd.
(4) Ms. Mikiko AZUMA	Operation and Maintenance Planner/ Socio-Economist	Japan Techno Co., Ltd.
(5) Mr. Christopher JAYAKARAN	Hydrogeologist	Japan Techno Co., Ltd.
(6) Mr. Minoru KIMISHIMA	Water Supply Planner/ Equipment Planner	Japan Techno Co., Ltd.
(7) Mr. Shinichi MOROMACHI	Water Supply Planner 2	Japan Techno Co., Ltd.
(8) Mr. Shoji TAKAMATSU	Cost Estimation/ Procurement Planner	Japan Techno Co., Ltd.

2. Explanation of Draft Final Report

Name	Position	Affiliation
(1) Mr. Shigeyoshi KAGAWA	Chief Consultant	Japan Techno Co., Ltd.
(2) Mr. Minoru KIMISHIMA	Water Supply Planner/ Equipment Planner	Japan Techno Co., Ltd.
(3) Mr. Shoji TAKAMATSU	Cost Estimation/ Procurement Planner	Japan Techno Co., Ltd.

APPENDIX 2 STUDY SCHEDULE

(1) Basic Design Field Survey

No.	Date		Team Leader (JICA)	Coordinator (JICA)	Chief Consultant	O&M Planner/Socio-Economist	Cost & Procurement Planner	Water Supply/Equipment Planner	Water Supply Planner 2	Hydrogeologist		
			Mr. Ryuichi KATO	Ms. Maki IKKATAI	Mr. S. KAGAWA	Ms. M. AZUMA	Mr. TAKAMATSU	Mr. KIMISHIMA	Mr. MOROMACHI	Mr. JAYAKARAN		
1	8/18	Mon	Leave Tokyo for Paris								Leave Bangalore	
2	8/19	Tue	Leave Paris for Dakar									
3	8/20	Wed	Courtesy call and Meeting with JICA and EOJ	Courtesy call and Meeting with JICA and Embassy of Japan (EOJ), Leave Dakar and Arrive Banjul								
4	8/21	Thu		Courtesy call and I/R Explanation Meeting with the Gambia Government (DSFA, DSNRE, and DWR)								
5	8/22	Fri		Meeting with UNDP, EDF and DWR	Meeting with UNDP, EDF and DWR, Data Collection					Arrive Banjul		
6	8/23	Sat	Field Trip of EDF Solar Pumping Systems and JICA Grant Project Sites								Site Survey	
7	8/24	Sun	Arrive Banjul, Site Survey (EDF, UNDP/UNCDF)	Site and Workshop Survey with Team Leader	Preparation for Field Survey	Site and Workshop Survey with Team Leader			Leave Tokyo	Workshop Survey		
8	8/25	Mon	Minutes of Discussion		Minutes of Discussion, Negotiation of Sub-Contract Study, and Data Collection				Paris	Meeting & Data Collection		
9	8/26	Tue	Signing of Minutes		Signing of Minutes, Negotiation of Sub-Contract Study, and Data Collection				Arrive Banjul	Preparation for Survey		
10	8/27	Wed	Field Trip of EDF, UNDP/UNCDF and JICA Project Sites, Leave for Dakar		Field Trip to Solar Sites w/Team Leader	Preparation for Site Survey	Procurement and Local Cost Survey		Preparation for Site Survey			
11	8/28	Thu		Leave Dakar for Paris	Contract w/Sub-Contract Study	Site Survey and Discussion w/ NBD	Procurement Survey (Banjul)	Preparation	Preparation	Hydrogeological Survey (WD)		
12	8/29	Fri		Leave Paris for Tokyo	Site Survey and Discussion w/Division & Village Water Committee (WD)		Procurement Survey (Banjul)	Preparation	Preparation	Hydrogeological Survey (NBD)		
13	8/30	Sat			EDF/DWR meeting for O & M Solar	Site Survey (WD)	Procurement Survey (Banjul)	W-01,W-02	W-01,W-02	Hydrogeological Survey (NBD)		
14	8/31	Sun			Discussion w/Division (NBD), Site Survey N-03,N-01		Leave for Dakar	N-09,N-10, N-02	N-09,N-10, N-02	Move to Tendaba & Survey (LRD)		
15	9/1	Mon			Sub-Contract (Soil Test/Topographic Survey)	Site Survey (LRD)	Procurement Survey (Dakar)	N-01, N-11	N-01, N-11	Hydrogeological Survey (LRD)		
16	9/2	Tue			DWR Water Quality Analysis Lab.	Move to Soma, Site Survey (LRD)	Leave for Tokyo via Paris	Move to Tendaba	Move to Tendaba	Move to Soma & Survey (LRD)		
17	9/3	Wed			Discussion w/Division Officer (LRD)	Discussion w/Division (LRD)		L-08,L-03,L-01	L-08,L-03,L-01	Hydrogeological Survey (CRD)		
18	9/4	Thu			Water Supply Survey L-10 & 11	Site Survey (CRD)		L-10,L-11,	L-10,L-11,	Hydrogeological Survey (CRD)		
19	9/5	Fri			Discussion w/VWC, W-1 & 2	Move to Janjanbureh and Survey (CRD)		Data Analysis	Data Analysis	Move to Janjanbureh & Survey (CRD)		
20	9/6	Sat			M-13 Sambang Complex	Site Survey (CRD)		L-09,M-13	L-09,M-13	Hydrogeological Survey (CRD)		
21	9/7	Sun			Water Supply Survey M-6 & 2	Site Survey (CRD)		M-06, M-02	M-06, M-02	Hydrogeological Survey (CRD)		
22	9/8	Mon			Water Supply Survey M-5 & 11	Discussion w/Division Office (CRD)		M-05, M-11	M-05, M-11	Hydrogeological Survey (CRD)		
23	9/9	Tue			Meeting w/Division (CRD & LRD)	Site Survey (CRD, LRD)		M-12, M-09	M-12, M-09	Move to Banjul		
24	9/10	Wed			Site Survey (WD) Move to Banjul	Site Survey (WD) Move to Baniul		M-08, M-10	M-08, M-10	Data Analysis		
25	9/11	Thu			DWR Meeting (Groundwater)	DWR Meeting & Sub-Contractor		M-03, M-04,M-01	M-03, M-04,M-01	DWR Meeting (Groundwater)		
26	9/12	Fri			DWR Meeting (Water Analysis)	Meeting w/DWR (O & M)		DWR Meeting, Data Analysis	DWR Meeting, Data Analysis	DWR Meeting, Data Analysis		
27	9/13	Sat			Meeting within the Team, Data Analysis			Meeting within Team and Data Analysis				
28	9/14	Sun			Leave Banjul for Dakar			Leave Banjul for Dakar		Leave Banjul		
29	9/15	Mon			Report to JICA in Banjul, Leave for Tokyo via Paris			Report to JICA in Banjul and Leave for Tokyo via Paris		via Burussel and London		
30	9/16	Tue			Leave Paris and Arrive Tokyo on September 17			Leave Paris and Arrive Tokyo on September 17		Arrive Bangalore		

NBD: North Bank Division
WD: Western Division

LRD: Lower River Division
CRD: Central River Division

(2) Explanation of Draft Final Report

No.	Date	Day	Chief Consultant	Water Supply/ Equipment Planner	Cost & Procurement Planner
			Mr. S. KAGAWA	Mr. M. KIMISHIMA	Mr. S. TAKAMATSU
1	1/12	Mon	Leave Tokyo for Paris		
2	1/13	Tue	Leave Paris for Dakar		
3	1/14	Wed	Courtesy call and meeting with JICA and Japanese Embassy, Leave Dakar for Banjul		
4	1/15	Thu	Curtesy call to Department of State for Fisheries, Natural Resources and the Environment and Department of State for Foreign Affairs, Explanation of draft final report to DWR		
5	1/16	Fri	Meeting with DWR on the draft final report		
6	1/17	Sat	Meeting with DWR on the draft final report		
7	1/18	Sun	Discussion on minutes with DWR		
8	1/19	Mon	Signing of Minutes with DSFNRE and DWR		
9	1/20	Tue	Leave Banjul for Dakar		
10	1/21	Wed	Report to JICA and Japanese Embassy, Leave Dakar for Paris		
11	1/22	Thu	Leave Paris for Tokyo		
12	1/23	Fri	Arrive in Tokyo		

APPENDIX 3 LIST OF PARTIES CONCERNED IN THE RECIPIENT COUNTRY

Department of State for Foreign Affairs

Hon. Mr. Babucarr Blaise	Secretary of State for Foreign Affairs
Ismaila Jagne	
Mr. Ansumana E. Ceesay	Permanent Secretary
Mr. Momodou Jang Jallow	Ag. Principal Assistant Secretary

Department of State for Fisheries, Natural Resources and the Environment

Hon. Ms. Susan Waffa-Ogoo	Secretary of State for Fisheries, Natural Resources and the Environment
O.R.G.	
Mr. Momodou A. Cham	Ag. Permanent Secretary
Mr. Dodu Gaye	Deputy Permanent Secretary
Mr. Momodou O. Njie	Principal Assistant Secretary
Mr. Funahashi Nobufumi	JICA Expert

Department of Water Resources (DWR)

Mr. Bubu Pateh Jallow	Director
Mr. Loues Bass Ceesay	Assistant Director
Mr. Momodou Njie	Principal Hydrologist
Mr. Giran Corr	Principal Hydrogeologist
Mr. Paousman Jarju	Senior Scientific Officer
Mr. Alhagi Jabi	Works Superintendent
Mr. John Peacock	International Public Relation Officer
Mr. Sheriff Bojang	Motivator/ Western Division
Mr. Sheriff Mboge	Motivator/ North Bank Division
Mr. Lamin Saidyleigh	Senior Motivator/ Lower River Division
Ms. Isatou Bah	Motivator/ Central River Division

Department of Community Development

Mr. Saikou Suwareh	Community Development Officer
Mr. Omar Ngum	Community Development Officer

Commissioner's Office- North Bank Division (North Bank Division)

Mr. Momodou Soma Jobe	Commissioner
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Commissioner's Office – Central River Division (Western Division)

Major Mr. Momodou Bojang	Commissioner
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European Development Fund (EDF)

Mr. Joseph A. de Bats	Technical Advisor, EC/EDF Water Supply Programme
Mr. Moro Ceesay	Co-ordinator

United Nations Capital Development Fund (UNCDF)

Ms. Isatou Nasir Cham	Program Analyst
Dr. Mopoi Nuwanyakpa	Consultant
Mr. Abdoulie B. Dibba	Social Development Specialist/ RWSSP

Local Solar Maintenance Company

Mr.Reynold Carrol	Deputy General Manager, VM Solar
Mr.Pap Malick Sey	General Manager, Dabaakh Malick Energy Centre
Mr. Omar M.M.Touray	Managing Director, Gam-Solar Energy & Engineering Co., Ltd.
Mr. Lamin Bogang	Financial Controller, Gam-Solar Energy & Engineering Co., Ltd.

NGO/Local Consultants

Mr.Edi A.Njie	Managing Director, The Gambia Engineering Consultancy Services Ltd. (GAMECS)
Mr.M.S.Gaye	Chartered Surveyor, Cityscape Associates
Mr.Malamin O Sonko	Sociologist, Afri Consult
Mr.Foma A.M.Ceesay	Sociologist, Afri Consult

Embassy of Japan

Mr. Tetsuro Kawaguchi	Councilor
Mr. Shinya Iwata	First Secretary
Mr. Shunya Sorimachi	Second Secretary
Ms. Yasuyo Tanii	Special Assistant

JICA Senegal Office

Mr. Kiyofumi Konishi	Resident Representative
Mr. Ryuichi Kato	Deputy Resident Representative
Mr. Junji Yokokura	Senior Technical Adviser
Ms. Kazumi Seino	Assistant Resident Representative
Ms. Ritsuko Yamagata	Assistant Resident Representative

APPENDIX 4 MINUTES OF DISCUSSIONS

(1) Minutes of Discussions on the Basic Design Study

(2) Minutes of Discussions on Explanation of the Draft Final Report

MINUTES OF DISCUSSIONS
ON
BASIC DESIGN STUDY
ON
INTEGRATED WATER USE PROJECT (PHASE 2)
IN THE REPUBLIC OF THE GAMBIA

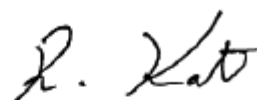
In response to a request from the Government of the Republic of the Gambia (hereinafter referred to as "the Gambia"), the Government of Japan decided to conduct a Basic Design Study on Integrated Water Use Project (Phase 2) (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to the Gambia the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Ryuichi Kato, Deputy Resident Representative, JICA Senegal Office, and is scheduled to stay in the country from August 20 to September 14, 2003.

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

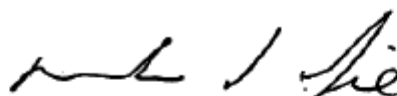
In the course of the discussions and field survey, both sides have confirmed the main items described on the attached sheets. The Team will proceed to further works and prepare the Basic Design Study report.

Banjul, August 26, 2003



Mr. Ryuichi Kato
Leader
Basic Design Study Team
JICA

Japan



Mr. Momodou O. Njie
Principal Assistant Secretary
Department of State for Fisheries,
Natural Resources and the
Environment
The Republic of the Gambia



Mr. Bubu Patch Jallow
Director
Department of Water Resources
The Republic of the Gambia

ATTACHMENT

1. Objective of the Project

The objective of the Project is to provide clean and stable supply of water to the villagers in the Project sites by constructing water supply facilities.

2. Project Sites

The proposed Project sites are in the North Bank, Lower River, Central River and Western divisions shown in the attached **Annex-I**.

3. Responsible and Executing Organization

- (1) Responsible and coordinating organization of the Project is Department of State for Fisheries, Natural Resources and the Environment.
- (2) Executing organization is Department of Water Resources (DWR). The organization chart of DWR is described in **Annex-II**.

4. Items requested by the Government of the Gambia

After discussions with the Team the following items were finally requested by the Gambian side, which are described in detail in **Annex- I and III**.

- (1) Construction of 20 boreholes and water supply facilities with solar pumping system
- (2) Installation of solar pumping systems instead of existing water supply facilities in 9 sites
- (3) Procurement of equipment
- (4) Technical assistance for the capacity building of drilling (theory and practice), groundwater resources development (well hydraulics, borehole development, aquifer pump testing), geophysical prospective (surface and borehole geophysics) and repair and maintenance of drilling equipment.

5. Japan's Grant Aid System

- (1) The Gambian side has understood the system of Japan's Grant Aid in **Annex-IV** as explained by the Team.
- (2) The Gambian side will take 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 in the Team will proceed further studies in the Gambia until September 14, 2003.
- (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 November 2003.
- (3) In case that the contents of the draft report are acceptable in principle by the Gambian side, JICA will complete the final report and send it to the Government of the Gambia around January 2004.

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7. Other Relevant Issues

(1) Solar pumping system

- The Gambian side explained that water supply projects in the Gambia have been implemented and planned by foreign donors such as European Development Fund (EDF), UNDP/UNCDF and Saudi Arabia and they have used solar energy for pumping instead of diesel generators.
- The Gambian side explained that the water supply facilities with solar pumping system in the Gambia have been operated and maintained well by DWR together with village water committees supported by EDF and UNDP since 1983 and now there are 94 well operated solar pumping systems in the Gambia.
- The Gambian side introduced the Team to the solar pumping sites in operation and explained that the existing Operation and maintenance (O/M) system shall be adapted the proposed Project sites. The O/M system is that village water committee makes a five-year contract with a private company which will provide spare parts and repairs to the system when the villager requests them.
- Renewable energy use (e.g. Solar) is one of the cornerstone of Gambian Government's energy policy.
- The Team explained that JICA will assess the appropriateness of the request, especially solar pumping system for water supply facilities from a technical, social and economic points of view through further study and analysis during the Basic Design Study period and report the result to the Government of Japan.

(2) Site selection criteria

Both the sides confirmed that during the Basic Design Study period, sites of the Project would be further examined taking into consideration the proposed selection criteria described below. Both sides also confirmed that additional selection criteria would be adopted if necessary.

- Groundwater can be water source that has enough quantity and meets water quality standard for water supply facilities.
- Accessibility to the sites is secured.
- Absence of existing water supply facilities
- There are existing water supply facilities which can be converted.
- The people have strong desire to obtain water supply facilities in the site and are willing to pay for the water charge of sustainable operation and maintenance.
- Ability of water management committee for daily operation and maintenance is sufficient.
- There is no apparent obstruction to land acquisition.
- There is no project by other donors overlapping in the Project sites.
- The Project cost efficiency is feasible.

(3) Component of the Project

The Team explained and the Gambian side understood that due to the severe budgetary constraints the sites and components of the Project should be finally decided by the Government of Japan taking into consideration the request by the Gambian side. Besides regarding technical assistance for the capacity building requested by the Gambian side, the Team stated that its necessity should be carefully examined during Basic Design Study.

(4) Design criteria

The Gambian side explained that the Gambian water quality standard and/or WHO water quality standard will be adopted in the Project. The Gambian side requested that water supply rate for human and livestock per day for solar pumping system will be 35 litter and that the design target year should be 2015.

(5) Main responsibility of the Gambian side

Both the sides agreed that for smooth implementation of the Project DWR is responsible for providing necessary equipment excluding materials and staff for borehole construction and DWR will do necessary arrangement for water quality analysis with concerned organization. Besides the Gambian side explained that DWR has responsibility for operation and maintenance of water supply system and equipment constructed and procured in the Project and takes necessary coordination with other donors for operation and maintenance.

(6) Environmental and social consideration

Both the sides confirmed that the Gambian side will, if necessary for the Project, take necessary measures for environmental and social consideration in accordance with the relevant laws and regulations in the Gambia in right time.

Annex-I List of Requested Site

1. Installation of Solar Pumping System for Completed Japanese Project	
Site Name	Division
1. Fass Omar Sahor	NBD
2. Toniataba	LRD
3. Bureng	LRD
4. Baro Kunda	LRD
5. Katchang	NBD
6. Njaba Kunda	NBD
7. Mamut Fana	CRD (South)
8. Madina Umfally	CRD (South)
9. Brikama Ba	CRD (South)

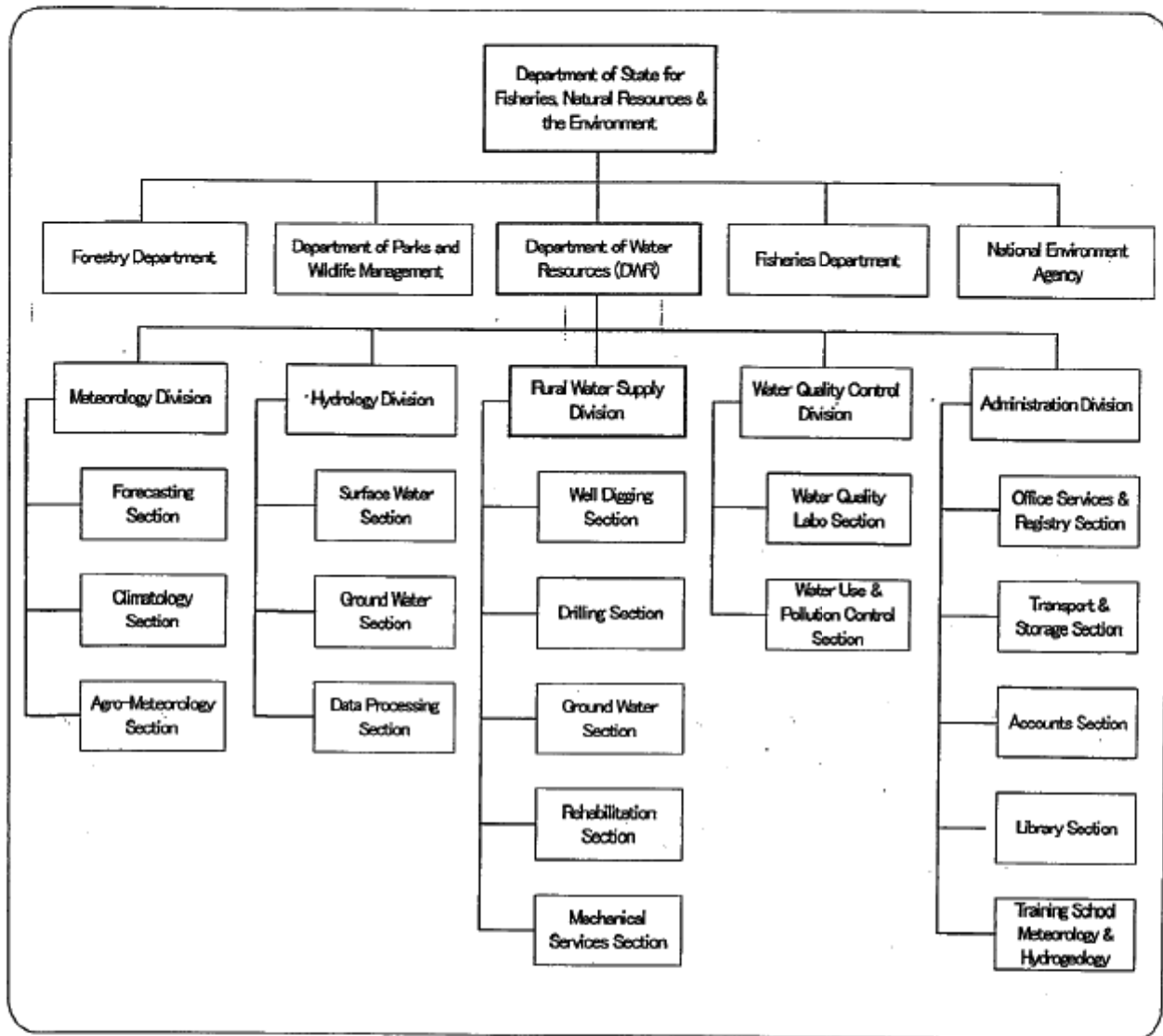
2. Construction of Boreholes and Water Supply Facilities with Solar Pumping System	
Site Name	Division
1. Medina Sering Mass	NBD
2. Tuba Kolong	NBD
3. Dumbutu	LRD
4. Jali	LRD
5. Nema	LRD
6. Massembe	LRD
7. Pakaliba	LRD
8. Sukuta	CRD (North)
9. Sami Pachonki	CRD (North)
10. Dankunku	CRD (South)
11. Piniiai	CRD (South)
12. Saruja	CRD (South)
13. Galleh Manda	CRD (South)
14. Sohm	WD
15. Sutusinjang	WD
16. Nianija Bakadagy	CRD
17. Nawleru	NBD
18. Jahally	CRD
19. Wellingara Ba	LRD
20. Sambang Complex	CRD

NB: North Bank Division (3 Sites)
LRD: Lower River Division (6 Sites)
CR: Central River Division (9 Sites)
WD: Western Division (2 Sites)

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Annex-II Chart of Executing Organization



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Annex – III List of Requested Equipment and Materials

No.	Item	Quantity
1.	Spare Parts for Existing Equipment and Vehicles	1 lot
2.	Supporting Vehicles	
1)	Pick-up truck	2 units
2)	Station wagon (4WD)	1 unit
3.	Spare Parts and Consumables for the Water Supply Facilities (for 5 Years)	1 lot

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Annex-IV Japan's Grant Aid Programme

Japan's Grant Aid Programme

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

1. Grant Aid Procedures

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

Application Study	:	(Request made by a recipient country)
Appraisal	&	(Basic Design Study conducted by JICA)
Approval		(Appraisal by the Government of Japan and Approval by Cabinet)
Determination of Implementation		(The Notes exchanged between the Governments of Japan and the recipient country)

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 eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

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

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

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

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

2. Basic Design Study

(1) Contents of the Study

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

- a) Confirmation of the background, objectives, and benefits of the requested project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.

- d) Preparation of a basic design of the Project
- e) Estimation of costs of the Project

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

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

(2) Selection of Consultants

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

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

3. Japan's Grant Aid Scheme

(1) 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.

- (2) "The period of the Grant Aid" means the one fiscal year which 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.

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

- (3) Under the Grant 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, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

(4) Necessity of "Verification"

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

verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

(5) Undertakings required of the Government of the Recipient Country

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

- 1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- 2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- 3) To secure buildings prior to the procurement in case the installation of the equipment.
- 4) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- 5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- 6) To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

(6) "Proper Use"

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

(7) "Re-export"

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

(8) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in 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 Verified Contracts.

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

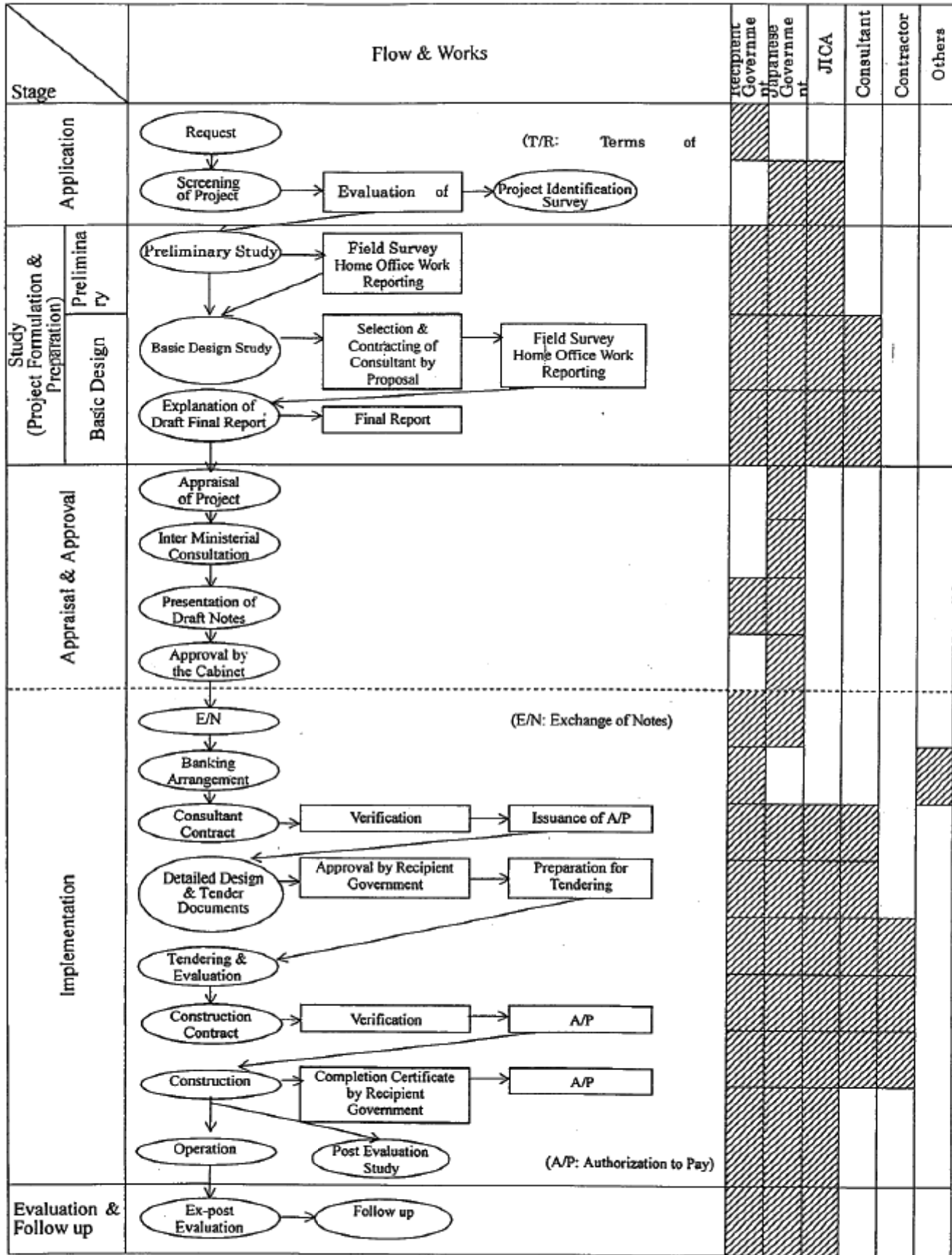
(9) Authorization to Pay (P/A)

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

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Flow Chart of Japan's Grant Aid Procedures



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Annex-V Major Undertakings 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 bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
5	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 the port of disembarkation to the project site		●
6	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.		●
7	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts.		●
8	To maintain and use properly and effectively the equipment provided under the Grant.		●
9	To bear all the expenses, other than those to be borne by the Grant.		●

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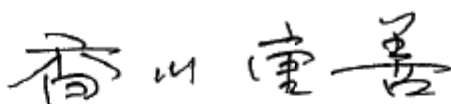
MINUTES OF DISCUSSIONS
ON
BASIC DESIGN STUDY
ON
INTEGRATED WATER USE PROJECT (PHASE 2)
IN
THE REPUBLIC OF THE GAMBIA
(EXPLANATION ON DRAFT FINAL REPORT)

In August 2003, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the INTEGRATED WATER USE PROJECT (PHASE 2) IN THE REPUBLIC OF THE GAMBIA (hereinafter referred to as "the Project") to the Republic of The Gambia (hereinafter referred to as "The Gambia"), and through discussions, field survey, and technical examination of the study results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult the Government of The Gambia on the components of the draft final report, JICA sent to the Gambia the Draft Final Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Shigeyoshi Kagawa, Chief Consultant of Draft Report Explanation Team, Japan Techno Co., Ltd., from 14 January to 20 January 2004.

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

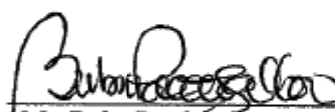
Banjul, 19 January 2004



Mr. Shigeyoshi Kagawa
Chief Consultant
Draft Report Explanation Team
Japan Techno Co., Ltd.
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Mr. Momodou O. Njie
Principal Assistant Secretary
Department of State for Fisheries,
Natural Resources and the Environment
The Republic of the Gambia



Mr. Bubu Pateh Jallow
Director
Department of Water Resources
The Republic of the Gambia

ATTACHMENT

1. Components of the Draft Report

The Government of The Gambia agreed and accepted the components of the draft report explained by the Team.

2. Japan's Grant Aid Scheme

The Gambian side understands Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of The Gambia as explained by the Team and described in Annex-IV and Annex-V of the Minutes of Discussions signed by both parties on 26th August 2003 in Banjul.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Government of The Gambia by March 2004.

4. Other Relevant Issues

(1) Appraisal of the Japanese government

The Team explained that the government of Japan does not approve Japan's Grant Aid Projects such as solar pumping system in recent years and the government of Japan has not decided to approve this project yet. The team explained that the Ministry of Foreign Affairs in Japan will notice to the government of The Gambia that Japanese government approves it or not in about April 2004.

The Gambian government restated that a solar pumping system is effective for having sustainable operation and maintenance and making a great positive impact on livelihood of rural people, as in the Minutes of Discussions signed by both parties in Banjul on August 26, 2003.

(2) Software Component Programme

- The Gambian side agreed to assign relevant personnel at the Division and Village levels to implement the software component programme with support from the Japanese consultant and local NGO/consultant, and necessary preparations will be made by DWR to involve the motivators in the programme.

(3) Operation and Maintenance

- The Department of Water Resources should be responsible for coordination of operation and maintenance to ensure sustainability of the water supply facilities constructed under the Project.
- Village Water Committees will function accordingly for proper operation and maintenance



of the completed water supply facilities with solar pumping systems based on the maintenance service contract with local maintenance company.

- The costs for operation and maintenance of the completed water supply facilities will be covered entirely by the beneficiaries in the Project sites.

(4) Technology Transfer Programme

- The Gambian side requested training of borehole drilling technicians as conducted in this project to strengthen the technical staff of DWR, as well as technology transfer on planning, supervision and management to foster trainers for the future, to be included in the Project.
- For this technology transfer, The Gambian side agreed to select the trainees and make preparations for the programme on the job sites to implement the Project.

(5) Change of Project Name

The Gambian side requested to change the name of the project since its dealing with domestic water supply without livestock.

