

4. 討議議事録 (M/D) 等

(1) Minute of Discussions 2009 年 4 月 24 日

**MINUTES OF DISCUSSIONS
ON
THE PREPARATORY SURVEY
ON
THE PROGRAMME FOR EMERGENCY WATER SUPPLY FOR
ADDRESSING CLIMATE CHANGE
IN THE REPUBLIC OF MOZAMBIQUE**

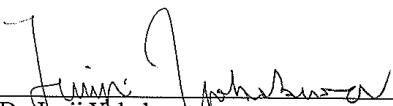
In response to the request from the Government of the Republic of Mozambique (hereinafter referred to as “Mozambique”), the Government of Japan decided to conduct the Preparatory Survey for Outline Design on the Programme for Emergency Water Supply for Addressing Climate Change (hereinafter referred to as “the Survey”) and entrusted the implementation of the survey to the Japan International Cooperation Agency (hereinafter referred to as “JICA”).

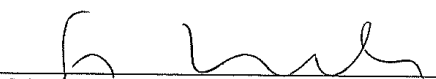
JICA sent to Mozambique the Preparatory Survey Team (hereinafter referred to as “the Team”), headed by Dr. Junji Yokokura, Senior Advisor of the Office for Climate Change, JICA, which is scheduled to stay in the country from 12th April to 11 May 2009.

The Team held a series of discussions with the officials concerned from the Government of Mozambique and conducted a field survey in the requested area.

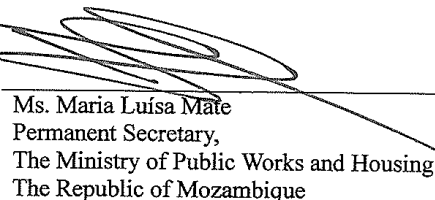
In the course of discussions and field survey, both parties confirmed the main items described on the attached sheets. The Team will proceed with further works and prepare the Outline Design Study Report (hereinafter referred to as “the Report”).

Maputo, 24th April, 2009


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Japan International Cooperation Agency
(JICA)


Mr. José Manuel Elija Guambe
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Ms. Maria Luísa Mate
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ATTACHMENT

1. Title of the Programme

The Title of the Programme has been changed as follows;

- Initial Title in the Original Proposal : Emergency Water Supply Intervention in Mozambique
- New Title: The Programme for Emergency Water Supply for Addressing Climate Change in the Republic of Mozambique.

2. Objectives of the Survey

The objectives of the Survey is to evaluate the appropriateness and sustainability of the equipment to be procured and confirm specification and quantity of requested items within agreed amount of the Grant on Exchange of Notes (hereinafter referred to as "E/N") No. 797/GMNEC/2009 to be confirmed on March 30, 2009 when signed and Grant Agreement (hereinafter referred to as G/A) No.0868720 to be confirmed dated on March 30, 2009 when signed.

3. Items requested by the Government of Mozambique

After discussions with the Team, the items described in **Annex I** were finally confirmed by the Mozambican side and the equipment to be procured in the first batch was also listed by both sides at Pre Consultative Committee during the Survey. JICA will assess the appropriateness of the requested items and will consult with the Government of Japan for confirmation. The result of assessment and consultation will be informed to the Mozambican side at the time of explanation on the Report. The Mozambican side understood that in case some equipment may not be procured if the Programme cost exceeds the upper limit of amount agreed on E/N.

4. Coordinating Agency, Responsible Agency and Implementing Agency

4-1 The Coordinating Agency is the Ministry for the Coordination of Environmental Affairs (hereinafter referred to as "MICOA").

4-2 The Responsible Agencies are MICOA, the Ministry of Public Works and Housing (hereinafter referred to as "MOPH") and National Institute for Disaster Management (hereinafter referred to as "INGC").

4-3 The Implementing Agencies are MICOA, National Water Department (hereinafter referred to as "DNA"), INGC, INGC in Maputo province and Gaza province, Provincial Workshop of Rural Water (hereinafter referred to as "EPAR") and Department of Water and Sanitation (hereinafter referred to as "DAS") in Maputo province and Gaza province.

4-4 Roles and Responsibilities of both Agencies are stipulated as follows;

- (1) MICOA is responsible for coordination on the Programme.
- (2) The Responsible Agencies are responsible for sustainable usage of all equipment including the ones allocated to each Implementing Agency;

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- (3) The Implementing Agencies, as the ownership of procured equipment, will bear operational and maintenance cost and provide necessary space and facilities to accommodate the equipment;
- (4) The Implementing Agencies will use the equipment appropriately, and report its conditions to MICOA and JICA Mozambique Office every year for the period of five (5) years with Monitoring Sheet which draft is shown in **Annex IX and X**;
- (5) The Responsible Agencies and the Implementing Agencies will exchange the Letter of Consent to confirm above mentioned (1), (2), (3) and (4);
- (6) Submission of the Letter of Consent mentioned above (5) is prerequisite for procurement of the equipment; and
- (7) Locus of responsibility is summarised as follows.

| | Coordination | Ownership and Sustainable Usage | Taxation Procedures | Installation | Operation and Maintenance |
|-------|--------------|---------------------------------|---------------------|--------------|---------------------------|
| MICOA | ○ | ○ | (○) | (○) | ○ |
| MOPH | | ○ | (○) | (○) | ○ |
| EPAR | | ○ | (○) | (○) | ○ |
| DAS | | ○ | (○) | (○) | ○ |
| INGC | | ○ | (○) | (○) | ○ |

4-5 The equipment used by EPAR as the Implementing Agency is owned by DNA. DNA will permit EPAR to use the equipment. The Organization chart of MOPH is shown in **Annex II**.

5. Scheme of Japan's Programme Grant Aid for Environment and Climate Change

- 5-1 The Mozambican side understood the scheme of Japan's Programme Grant Aid for Environment and Climate Change explained by the Team as described in **Annex III** and **Annex IV**. The Team explained that the Programme is slightly different from explanation made in Annex II and III due to urgent needs identified. The Team also explained that the details of the scheme are under scrutiny process and might be slightly modified.
- 5-2 The Mozambican side will take necessary measures, as described in **Annex V** and Article 10 of the G/A to expedite the smooth implementation of the Programme.

6. The Programme Cost

Both sides agreed that the Programme cost will be finally decided within the upper limit of the cost which is agreed by both sides on E/N. The Team explained and the Mozambican side understood that the Programme cost include the cost for installation of the equipment, soft component, technical assistance and Procurement Management Agent fee in addition to the equipments cost.

7. Administration of the Programme

7-1 Both sides confirmed the organisational framework for implementation of the Programme as shown in **Annex VI**.

7-2 In connection with Article 11 of the G/A, both sides confirmed that the Consultative Committee of the Programme (hereinafter referred to as “the Committee”) would be established for promoting proper and smooth execution of the Programme. Functions and composition of the Committee are described in **Annex VII**.

8. Schedule of the Survey

8-1 The consultant members of the Team (hereinafter referred to as “the Consultants”) will proceed to further studies in Mozambique by May 10th, 2009.

8-2 The consultants will submit the draft technical specification necessary for the procurement of items for the first batch to JICA whenever prepared. After scrutiny and approval of the draft technical specification by JICA, items will be procured in the first batch accordingly.

8-3 JICA will compile the Report and dispatch a mission around the end of June 2009 in order to explain its contents to Mozambican side.

8-4 After Government of Mozambique accepts the contents of the Report, JICA will compile final edition of the Report and send it to the Government of Mozambique by September 2009.

9. Other relevant issues

9-1 Procurement of Equipment in Batches

Both sides agreed items to be procured under the Programme should meet the appropriateness insomuch as to improve water supply and flood management concerning climate change. And both sides also agreed that selected equipment will be procured in 2 or 3 batches depending on time required for delivery of equipment by following the work flow as shown in **Annex IV**.

Both sides agreed to consider and discuss the procedure of tax payment for the equipment. The equipment of each batch will be procured after the procedure of tax payment is made clear. In principle, all equipment will be procured by the end of March 2010. However the schedule of procurement will be extended depending on the time of deliver of each equipment.

9-2 Programme Site

The sites of the Programme are in Maputo province and Gaza province as shown in **Annex VIII**.

9-3 Replacement and Installation Works of Procured Equipment

Both sides agreed that the Programme bear the cost required for replacement with and installation of procured equipment.

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9-4 Technical assistance (Soft Component and Technical Cooperation)

The Mozambican side understood that the technical assistance, such as soft component and technical cooperation programme, will be provided to assist effective operation and maintenance of the procured equipments, if necessary.

9-5 Construction of Facilities

Both sides agreed that construction of facilities such as borehole, water supply facilities and so on, will not be included in the components of the Programme.

9-6 Operation and maintenance of the Items

The Mozambican side agreed to take any necessary measures and allocate necessary budget in order to operate and maintain the equipments procured by the Programme. The Team explained to the Mozambican side that it is necessary to monitor the situation of the procured equipment. The Mozambican side accepted that each Implementing Agency will prepare an Annual Report concerning the situation of usage of the equipment and submit it to MICOA and JICA Mozambique Office.

9-7 Tax Payment

In connection with Article 6 of the E/N, the tax exemption including Value Added Tax (VAT), custom duty, and any other taxes and fiscal levies in Mozambique arisen from the Programme will be borne by the Mozambican side. The Mozambican side agreed that the Implementing Agencies are responsible for taking any measures to allocate necessary budget for tax payment.

9-8 Environmental and Social Consideration

Both sides confirmed that the Mozambican side is responsible for taking any measures to complete Environmental Impact Assessment if necessary according to the relevant laws of the Mozambique and/or the Outline Design Study indicates necessity of Environmental Impact Assessment for implementing the Programme.

| | |
|------------|---|
| Annex I | List of Requested Equipment |
| Annex II | The Organization chart of Water Sector |
| Annex III | Japan's Programme Grant Aid for Environment and Climate Change Scheme |
| Annex IV | Flow of Funds and Implementation of the Programme |
| Annex V | Major Undertakings to be taken by Each Government |
| Annex VI | Organizational Framework for the Implementation of the Programme |
| Annex VII | Consultative Committee |
| Annex VIII | Programme Sites Map |
| Annex IX | Draft Monitoring Sheet 1 (Vehicle) |
| Annex X | Draft Monitoring Sheet 2 (Equipment) |

Annex I

List of Requested Equipment

| Classification | Equipment to be procured | | Procured Site | Requested Agency |
|--|---|-------------|--------------------------------------|------------------|
| | Item | First Batch | | |
| Equipment for Emergency Water Supply | Plastic tank for water storage, gutter, tap | ○ | Gaza Province*, Maputo Province* | INGC |
| | Cistern Truck | | Gaza Province, Maputo Province | INGC |
| Equipment for Operation and Maintenance of Water Supply Facilities | Water Quality Analysis Equipment | | Gaza Province, Maputo Province | EPAR MICOA |
| | Of-road Motor-cycle | | Gaza Province | EPAR |
| | Lathe | | Gaza Province | EPAR |
| Equipment for Drilling and Pumping Wells | Hand Pump | | Gaza Province** | EPAR |
| | Solar Pumping System | | Gaza Province***, Maputo Province*** | DAS |
| | Drilling Rig, Truck with Crane, Air Compressor and so on | | Gaza Province Maputo Province | EPAR |
| Equipment for Flood Management | Community Disaster Kit | | Gaza Province, Maputo Province | INGC |
| Equipment for Environmental Education | Computer, Projector, Screen, Video Camera Printing of Environmental Education Material | | Gaza Province, Maputo Province | MICOA |

*: The sites requested to be provided is public facilities and villages.

**: The list of the sites requested to be provided is shown in Annex I-1.

***: The list of the sites requested to be provided is shown in Annex I-2.

Annex I-1

The list of the sites requested to be provided with Hand Pump

| No. | District | Local Administration | Village |
|-----|---------------|----------------------|---------------------|
| 1 | CHIBUTO | Cidade de Chibuto | B.Unidade |
| 2 | | | Mussavene |
| 3 | | | Mbambane |
| 4 | | | Liberdade |
| 5 | | | Mundzucanhane |
| 6 | | | Banganhane |
| 7 | | | Chregua |
| 8 | | | Chegua B2 |
| 9 | | | Chegua Escola |
| 10 | | | Chegua Ka Zona |
| 11 | | | Guemulene B1 |
| 12 | | | Guemulene B2 |
| 13 | | | Guemulene B3 |
| 14 | | | Guemulene B4 |
| 15 | | | Guemulene B5 |
| 16 | | | Guemulene B6 |
| 17 | | Malehice | Muketo |
| 18 | | | Kamussavene |
| 19 | | | Katingomondo |
| 20 | | | Kocamissava |
| 21 | | | Kocamissava2 |
| 22 | | | Kocamissava3 |
| 23 | | | Centro do Bairro |
| 24 | | | Kajuwane |
| 25 | | | Maivene |
| 26 | | | Maivene Escola |
| 27 | | | 7 de Setembro |
| 28 | | | Eduardo Mondlane |
| 29 | | | Eduardo Mondlane B1 |
| 30 | | | Eduardo Mondlane B2 |
| 31 | | | Wahamuza |
| 32 | | | Panga danga |
| 33 | CHICUALACUALA | Chicualacuala | Petule |
| 34 | | | BairroE |
| 35 | | | BairroE2 |
| 36 | | | Chissanga |
| 37 | | | Mahuje1 |
| 38 | | | Mahuge2 |
| 39 | | | Mahuge3 |
| 40 | | Mapai | Regua |
| 41 | | | Regua2 |
| 42 | | | Mbuze |
| 43 | | | MacadazuloB |
| 44 | MASSINGIR | Sede | Decada Vitoria |
| 45 | | | TihoveneB3 |
| 46 | | | TihoveneB |
| 47 | | | Cimento |
| 48 | | | TihoveneB1 |
| 49 | | | Canhane |
| 50 | | | CanhaneEscola |
| 51 | | Mavondze | Chibotane Hospital |
| 52 | | | Massingir velhoB2 |
| 53 | | | MavondezSede |
| 54 | | Zulu | Ncuzi |
| 55 | | | 3° Congresso |
| 56 | | | Maconguelo |
| 57 | | | Chipanzo |

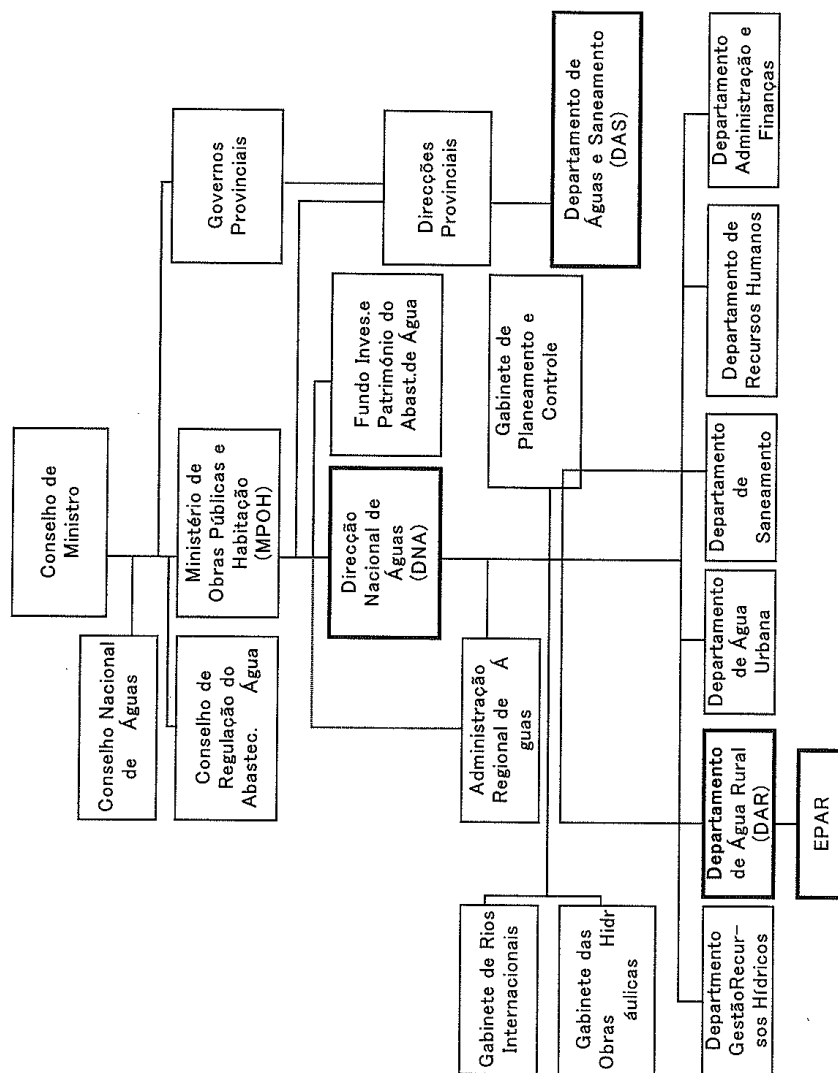
Annex I-2

The list of the sites requested to be provided with Solar Pumping System

| No. | Region | District | Local Administration | Village |
|-----|--------|---------------|----------------------|-------------------------------|
| 1 | MAPUTO | Marracuene | Machubo | Macandza |
| 2 | | | Machubo | Taula |
| 3 | | Manhica-Sede | Manhica | Balecuene |
| 4 | | Manhica | Tavira | Munguine |
| 5 | | | 3 de Fevereiro | Taninga |
| 6 | | | Iiha Josina | Dzonguene |
| 7 | | | Calanga | Checua |
| 8 | | Matutuine | Bela-Vista Sede | Missevene |
| 9 | | | Tenonganene | Salamanga |
| 10 | | | Bela Vista Seda | Tinonganine |
| 11 | | | Catuane | Madubula |
| 12 | | | Zitundo | Manhoca |
| 13 | | Matola | Machava | Bonhica |
| 14 | | Moamba | Sabie | Sabie |
| 15 | | Magude | Mapulanguene | Mapulanguene |
| 16 | GAZA | Mabalane | Mabalane Sede | Medical Center of Mabalane |
| 17 | | Mabalane | Combomune Sede | Center of Health of Combomune |
| 18 | | Mabalane | Combomune Sede | Combomune Station |
| 19 | | Mabalane | Sede | Mabalane Sede |
| 20 | | Massingir | Sede | Massingir Sede |
| 21 | | Chicualacuala | Napanze Sede | Npanze station |
| 22 | | Chicualacuala | Mapai Sede | Mapai |
| 23 | | Chicualacuala | Chicualacuala Sede | Regua |
| 24 | | Chicualacuala | Chicualacuala Sede | 16de Junho |
| 25 | | Chicualacuala | Chicualacuala Sede | Vila Eduardo Mondlane |
| 26 | | Guja | Nalazi | Nalazi-Sede |
| 27 | | Guja | Sede | 7 de Abril |
| 28 | | Guja | Sede | Canicado |
| 29 | | Chigubo | Cubo | Cubo |
| 30 | | Massangena | Mavue Sede | Mavue-Sede |
| 31 | | Massangena | Massangena Sede | Mucambene |
| 32 | | Massangena | Mavue | Mabondzo |
| 33 | | Chibuto | Alto Changane Sede | Alto Changane-Sede |
| 34 | | Chibuto | Alto Changane | Maqueze |
| 35 | | Chibuto | Alto Changane | Nwachimisso |
| 36 | | Chibuto | Alto Changane | Gomba |

Annex II

The Organization chart of Water Sector



Annex III

**Programme Grant Aid for Environment and Climate Change
of the Government of Japan
(Provisional)**

The Government of Japan (hereinafter referred to as “the GOJ”) is implementing the organizational reforms to improve the quality of ODA operations, and as a part of this realignment, the new JICA law was entered into effect on October 1, 2008. Based on the law and the decision of GOJ, Japan International Cooperation Agency (hereinafter referred to as “JICA”) has become the executing agency of the Programme Grant Aid for Environment and Climate Change (hereinafter referred to as “GAEC”).

The Grant Aid provides a recipient country (hereinafter referred to as “the Recipient”) 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.

GAEC aims toward emission reduction such as achievement of energy saving (environmental-easing measures) and environmental damage control by climate change. Multiple components can be combined to effectively meet the needs. Contractors, suppliers or consultants are not confined to Japanese firms only, and construction can be done based on the local method.

1. Procedures for GAEC

GAEC is executed through the following procedures.

| | |
|--|---|
| Application | (Request made by the Recipient) |
| Study | (Outline Design Study conducted by JICA) |
| Appraisal & Approval | (Appraisal by GOJ and Approval by the Cabinet) |
| Determination of | (The Notes exchanged between the GOJ and the Recipient) |
| Implementation | |
| Grant Agreement | (Agreement concluded between JICA and the Recipient) |
| (hereinafter referred to as “the G/A”) | |

Firstly, the application or request for a GAEC programme submitted by the Recipient is examined by GOJ (the Ministry of Foreign Affairs) to determine whether or not it is eligible for GAEC.

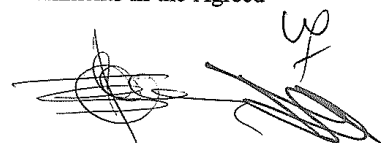
Secondly, if the request is deemed appropriate, JICA conducts the Outline Design Study, using Japanese consulting firms.

Thirdly, GOJ appraises the programme to see whether or not it is suitable for Japan's GAEC, based on the Outline Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the programme, once approved by the Cabinet, becomes official with the Exchange of Notes (E/N) signed by GOJ and the Recipient. Simultaneously, the Grant will be made available by concluding a grant agreement between the Government of the Recipient or its designated authority and JICA (hereinafter referred to as “the G/A”).

JICA is designated by GOJ as an organization responsible for the execution of the Grant.

Procurement Agent (“the Agent”) is designated to conduct the procurement services of products and services (including fund management, preparing tenders, contracts and so on) for GAEC on behalf of the Recipient. The Agent is an impartial and specialized organization and shall render services according to the Agent Agreement with the Recipient. The Agent is recommended to the Recipient by GOJ and agreed between the two Governments in the Agreed Minutes (“A/M”).

2. Outline Design Study

1) Contents of the Study

The aim of the Outline Design Study ("the Study"), conducted by JICA on a requested programme ("the Programme"), is to provide a basic document necessary for the appraisal of the Programme by GOJ. The contents of the Study are as follows:

- (1) Confirmation of the background, objectives, and benefits of the Programme and also institutional capacity of agencies and communities concerned of the Recipient country necessary for the Programme's implementation.
- (2) Evaluation of the appropriateness of the Programme to be implemented under the Grant Aid Scheme for Environment and Climate Change from a technical, social and economic point of view;
- (3) Confirmation of items agreed upon by both parties concerning the basic concept of the Programme.
- (4) Preparation of an outline design of the Programme.
- (5) Estimation of cost for the Programme.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid programme. The Outline Design of the Programme is confirmed considering the guidelines of Japan's Grant Aid scheme.

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

2) Selection of Consultants

For smooth implementation of the Study, JICA uses registered consulting firms. JICA selects firms based on proposals submitted by interested firms. The firms selected carry out an Outline Design Study and write a report, based upon terms of reference set by JICA.

The consulting firms to work on the Programme's implementation after the Exchange of Notes could be, in principle, of any nationality as long as the Firm satisfies the conditions specified in the tender documents.

3. Implementation of GAEC after the E/N

1) Exchange of Notes (E/N) and Grant Agreement (G/A)

GAEC is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the programme, period of execution, conditions and amount of the Grant Aid, etc., are confirmed. The conclusion of the Grant Agreement (hereinafter referred to as "the G/A") between JICA and the recipient government will be followed to define the necessary engagement to implement the project such as payment conditions, responsibilities of the recipient government and procurement conditions.

2) Procedural details

Procedural details on the procurement of products and services under GAEC will be agreed upon between the Recipient and JICA at the time of the signing of the E/N and G/A.

Essential points to be agreed upon are outlined as follows:

- a) JICA is in a position to expedite the proper execution of the program.
- b) The products and services shall be procured and provided in accordance with

"Procurement Guidelines for Environment and Climate Change of JICA.

- c) The Recipient shall conclude an employment contract with the Agent.
- d) The Agent is the representative acting in the name of the Recipient concerning all transfers of funds to the Agent.

3) Focal Points of "The Procurement Guidelines of Japan's (Type I - E) Grant Aid for Environment and Climate Change"

a) The Agent

The Agent is the organization which provides procurement services of products and services on behalf of the Recipient according to the Agent Agreement with the Recipient. The Agent is recommended to the Recipient by GOJ and agreed between the two Governments in the A/M.

b) Agent Agreement

The Recipient shall conclude an Agent Agreement, within one month after the date of entry into force of the E/N and the G/A, in accordance with the A/M. The scope of the Agent's services shall be clearly specified in the Agent Agreement.

c) Approval of the Agent Agreement

The Agent Agreement, which is prepared as two identical documents, shall be submitted to JICA by the Recipient through the Agent. JICA confirms whether or not the Agent Agreement is concluded in conformity with the G/A and the Procurement Guidelines for Disaster Reconstruction Grant Aid, and approves the Agreement.

The Agent Agreement concluded between the Recipient and the Agent shall become effective after the approval by JICA in a written form.

d) Payment Methods

The Agent Agreement shall stipulate that "regarding all transfers of the fund to the Agent, the Recipient shall designate the Agent to act on behalf of the Recipient and issue a Blanket Disbursement Authorization ("the BDA") to conduct the transfer of the fund (Advances) to the Procurement Account from the Recipient Account."

The Agent Agreement shall clearly state that the payment to the Agent shall be made in Japanese yen from the Advances and that the final payment to the Agent shall be made when the total Remaining Amount becomes less than 3 % of the Grant and its accrued interest.

e) Products and Services Eligible for Procurement

Products and services to be procured shall be selected from those defined in the G/A.

f) Firms

In principle, a firm of any nationality could be contracted as long as the Firm satisfies the conditions specified in the tender documents.

The Firm, with approval by JICA, may be Japanese nationals and the products to be procured may be the products made in Japan or produced or manufactured by Japanese manufacturer(s) and/or its (their) affiliate(s) in any country.

g) Experts for Technical Assistance

Expert(s) could be deployed to carry out technical assistance. The expert(s) may be recommended by JICA when the conceptual consistency with the Studies is required. In principle, expert(s) is/are preferable to be Japanese nationals if appropriate.

h) Method of Procurement

In implementing procurement, sufficient attention shall be paid so that there is no unfairness among tenderers who are eligible for the procurement of products and services.

For this purpose, competitive tendering shall be employed in principle.

i) Tender Documents

The tender documents should contain all information necessary to enable tenderers to prepare valid offers for the products and services to be procured by GAEC.

The rights and obligations of the Recipient, the Agent and the Suppliers of the products and services should be stipulated in the tender documents to be prepared by the Agent. Besides this, the tender documents shall be prepared in consultation with the Recipient.

j) Pre-qualification Examination of Tenderers

The Agent may conduct a pre-qualification examination of tenderers in advance of the tender so that the invitation to the tender can be extended only to eligible firms. The pre-qualification examination should be performed only with respect to whether or not the prospective tenderers have the capability of accomplishing the contracts concerned without fail. In this case, the following points should be taken into consideration:

- (1) Experience and past performance in contracts of a similar kind
- (2) Property foundation or financial credibility
- (3) Existence of offices, etc. to be specified in the tender documents.

k) Tender Evaluation

The tender evaluation should be implemented on the basis of the conditions specified in the tender documents.

Those tenders which substantially conform to the technical specifications, and are responsive to other stipulations of the tender documents, shall be judged in principle on the basis of the submitted price, and the tenderer who offers the lowest price shall be designated as the successful tenderer.

The Agent shall prepare a detailed tender evaluation report clarifying the reasons for the successful tender and the disqualification and submit it to the Recipient to obtain confirmation before concluding the contract with the successful tenderer.

The Agent shall furnish JICA with a detailed evaluation report of tenders, giving the reasons for the acceptance or rejection of tenders.

l) Additional Procurement

If there is an additional procurement fund after competitive and / or selective tendering and / or direct negotiation for a contract, and the Recipient would like an additional procurement, the Agent is allowed to conduct an additional procurement, following the points mentioned below:

(1) Procurement of the same products and services

When the products and services to be additionally procured are identical with the initial tender and a competitive tendering is judged to be disadvantageous, the additional procurement can be implemented by a direct contract with the successful tenderer of the initial tender.

(2) Other procurements

When products and services other than those mentioned above in (1) are to be procured, the procurement should be implemented through a competitive tendering. In this case, the products and services for additional procurement shall be selected

from among those in accordance with the G/A.

m) Conclusion of the Contracts

In order to procure products and services in accordance with the G/A, the Agent shall conclude contracts with firms selected by tendering or other methods.

n) Terms of Payment

The contract shall clearly state the terms of payment. The Agent shall make payment from the "Advances", against the submission of the necessary documents from the Firm on the basis of the conditions specified in the contract, after the obligations of the Firm have been fulfilled. When the services are the object of procurement, the Agent may pay certain portion of the contract amount in advance to the firms on the conditions that such firms submit the advance payment guarantee worth the amount of the advance payment to the Agent.

4) Undertakings required to the Government of the Recipient country

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

- a) To secure land necessary for the sites of the Programme and to clear, level and reclaim the land prior to commencement of the Programme,
- b) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- c) To secure buildings prior to the procurement in case the installation of the equipment,
- d) To ensure all the expense and prompt execution for unloading and customs clearance at the port of disembarkation of the products purchased under the Grant Aid,
- e) To exempt all the concerned parties 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 contracts,
- f) To accord all the concerned parties, whose services may be required in connection with supply of the products and services under the contracts, such facilities as may be necessary for their entry into the Recipient country and stay therein for the performance of their work.

5) Proper Use

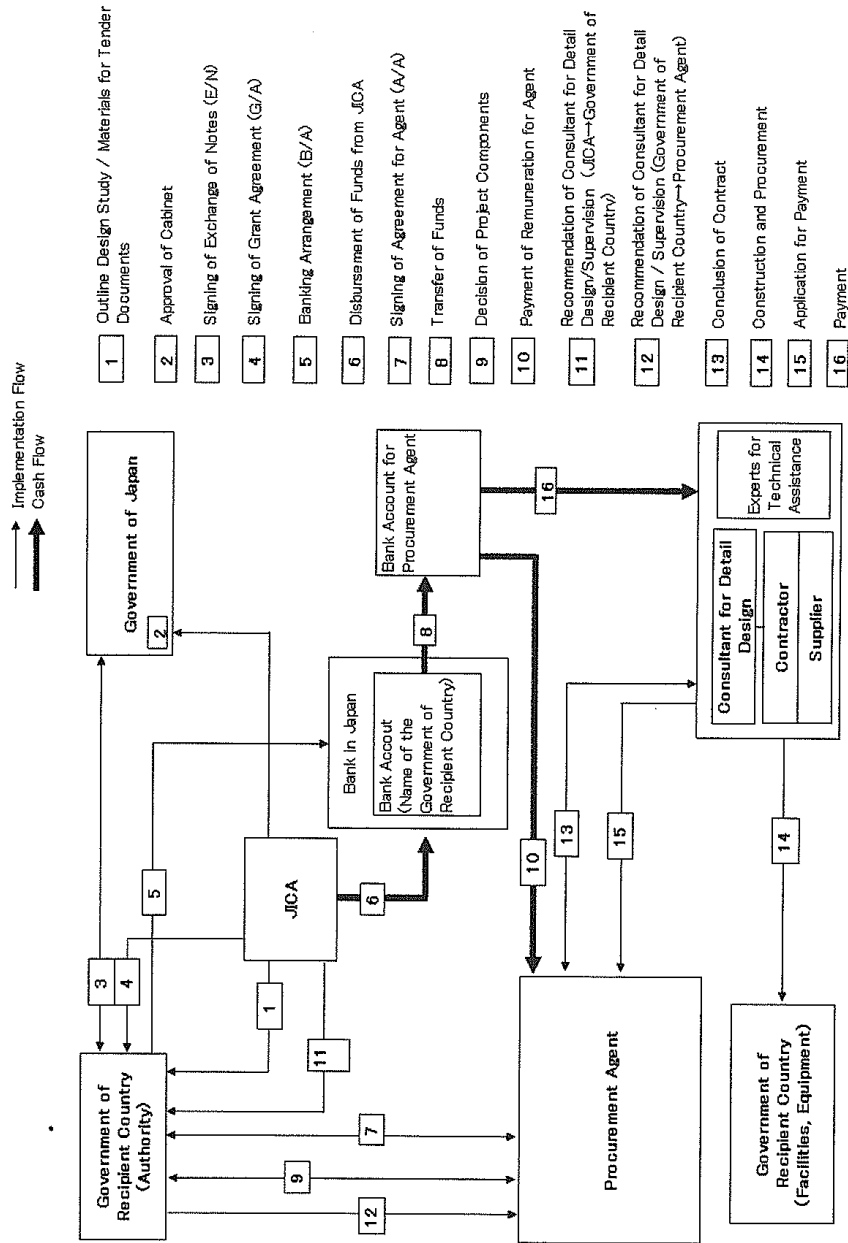
The Recipient country is required to operate and maintain the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

6) Re-export

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

Annex IV

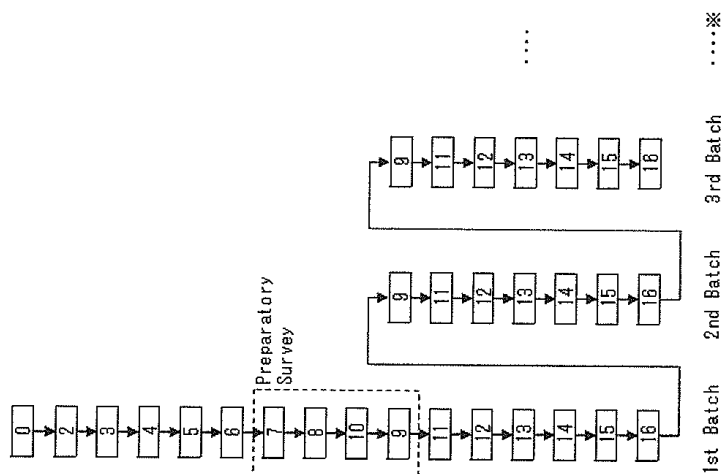
Flow of Funds and Implementation of the Programme



SPECIFIC FLOW OF IMPLEMENTATION FOR THE PROGRAMME

LEGEND

- | | |
|-----------------------------|---|
| <input type="checkbox"/> 0 | Needs Survey |
| <input type="checkbox"/> 1 | Outline Design Study / Materials for Tender Documents |
| <input type="checkbox"/> 2 | Approval of Cabinet |
| <input type="checkbox"/> 3 | Signing of Exchange of Notes (E/N) |
| <input type="checkbox"/> 4 | Signing of Grant Agreement (G/A) |
| <input type="checkbox"/> 5 | Banking Arrangement (B/A) |
| <input type="checkbox"/> 6 | Disbursement of Funds from JICA |
| <input type="checkbox"/> 7 | Signing of Agreement for Agent (A/A) |
| <input type="checkbox"/> 8 | Transfer of Funds |
| <input type="checkbox"/> 9 | Decision of Project Components |
| <input type="checkbox"/> 10 | Payment of Remuneration for Agent |
| <input type="checkbox"/> 11 | Recommendation of Consultant for Detail Design/Supervision (JICA→Government of Bangladesh) |
| <input type="checkbox"/> 12 | Recommendation of Consultant for Detail Design / Supervision (Government of Bangladesh→Procurement Agent) |
| <input type="checkbox"/> 13 | Conclusion of Contract |
| <input type="checkbox"/> 14 | Construction and Procurement |
| <input type="checkbox"/> 15 | Application for Payment |
| <input type="checkbox"/> 16 | Payment |



※ The number of batch will fluctuate according to the result of the Outline Study

Annex V

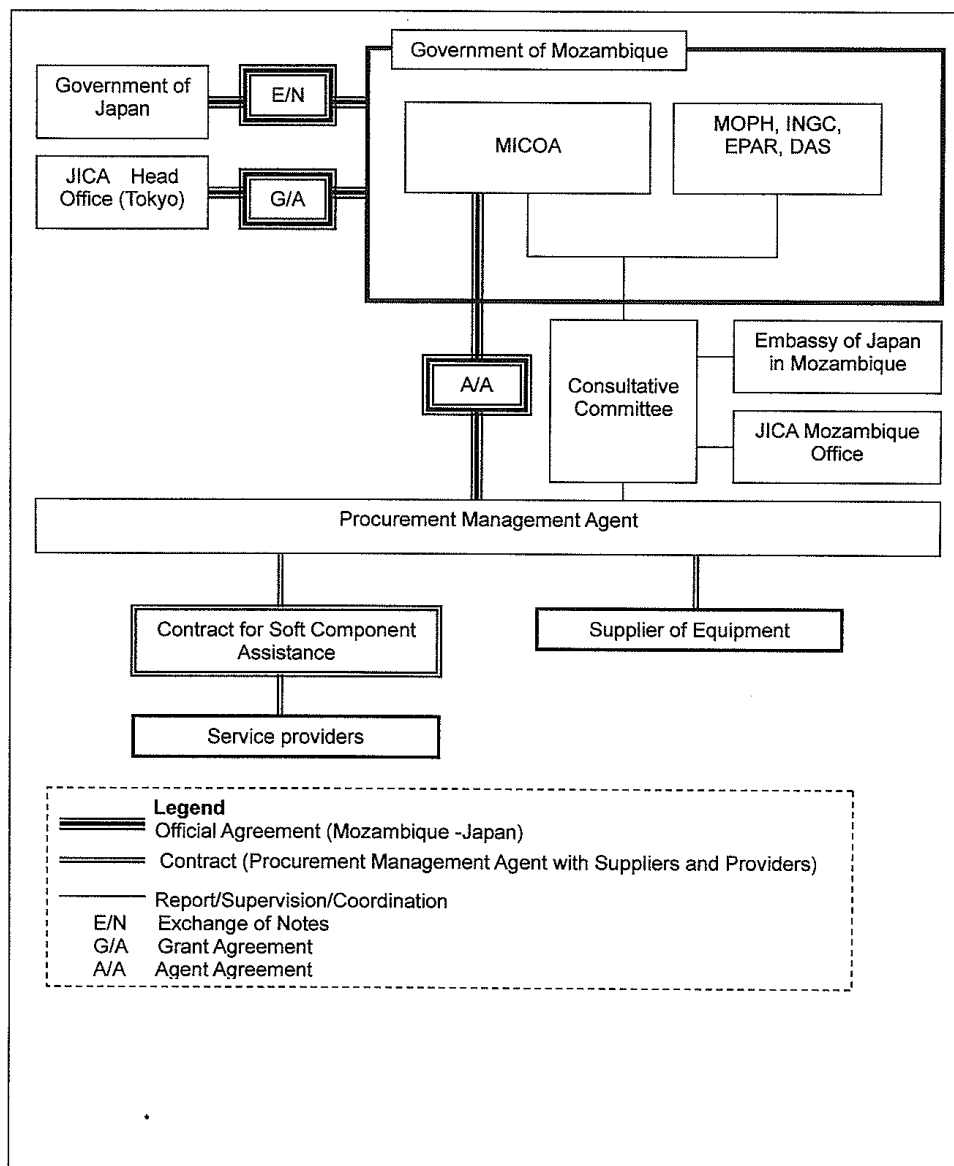
Major Undertakings to be taken by Each Government (Equipment)

| NO | Items | To be covered by the Grant | To be covered by Recipient side |
|----|---|----------------------------|---------------------------------|
| 1 | To bear the following commissions to a bank of Japan for the banking services based upon the B/A | | |
| | Payment commission | | • |
| 2 | To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country | | |
| | 1) Marine(Air) transportation of the products from Japan to the recipient country | • | |
| | 2) Tax exemption and custom clearance of the products at the port of disembarkation | | • |
| | 3) Internal transportation from the port of disembarkation to the project site | (•) | (•) |
| 3 | To accord all concerned parties whose services may be required in connection with the supply of the products and the services under the approved contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work | | • |
| 4 | To exempt or bear of all concerned parties 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 approved contract | | • |
| 5 | To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant | | • |
| 6 | 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 | | • |

(B/A: Banking Arrangement, N/A: Not Applicable)

Annex VI

Organizational Framework for the Implementation of the Programme



Annex VII

Consultative Committee

1. Functions

The Consultative Committee (hereinafter referred to as “the Committee”) will be established in order to fulfill the following functions:

- 1) To confirm an implementation schedule of the Programme for the speedy and effective utilization of the Grant and its accrued interest;
- 2) To discuss determination and/or the modifications of the Components, taking into account of the products enumerated in the list attached to the Procurement Guidelines and/or the result of the Outline Design Study for the Programme by JICA;
- 3) To discuss modifications of the Programme;
- 4) To exchange views on allocations of the Grant and its accrued interest as well as on potential end-users;
- 5) To identify problems which may delay the utilization of the Grant and its accrued interest, and to explore solutions to such problems;
- 6) To exchange views on publicity related to the utilization of the Grant and its accrued interest; and
- 7) To discuss any other matters that may arise from or in connection with the G/A.

The first meeting of the Committee shall be held after the consultation between Responsible Agency, Implementing Agencies and the Procurement Management Agent (hereinafter referred to as “the Agent”).

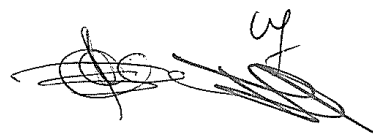
The selection of the Agent will be agreed between the two Governments in the Agreed Minutes attached in the Exchange of Notes.

Further meetings will be held by the request of either the Mozambican side or the Japanese side. The Agent also may advise both sides on the necessity to call a meeting of the Committee.

2. Composition

- 1) Representative of the Ministry for the Coordination of Environmental Affairs
- 2) Representative of the Ministry of Public Works and Housing
- 3) Representative of National Institute for Disaster Management
- 4) Representative of EPAR, DAS in Maputo province and Gaza province
- 5) Representative of the Procurement Management Agent
- 6) Representative of Embassy of Japan in the Republic of Mozambique
- 7) Representative of JICA Mozambique Office

(A)



Annex VIII



Programme Sites Map

VEHICLE OPERATION AND MAINTENANCE RECORD (For Photo Frame)
**Please attach photos to show the current condition*

| | |
|--------------------|--|
| Date: | |
| | |
| | |
| OBLIQUE FRONT VIEW | |
| | |
| | |
| OBLIQUE REAR VIEW | |

 CP

Draft Monitoring Sheet 2 (Equipment)

<Annual Record Format>

| EQUIPMENT CONDITION RECORD | | | | | |
|---------------------------------------|---|-----------|----------|--------------|-----------|
| Name of TVETC : _____ | | | | | |
| Date: _____ | | | | | |
| ID Number | Item | Condition | | | Remarks |
| | | Good | Workable | Out of order | |
| | Total Station | | | | |
| | Digital Planimeters | | | | |
| | Automatic Level | | | | |
| | Geological Compass | | | | |
| | Cylinder infiltrometer | | | | |
| | Permeability test kit | | | | |
| | Soil color chart | | | | |
| | Geological hammer | | | | |
| | Magnifying lens | | | | |
| | Sieve | | | | |
| | Conductivity | | | | |
| | pH meter | | | | |
| | Field bacteriological & physiochemical complete water | | | | |
| | Hand auger | | | | |
| | Diesel generator | | | | |
| | Submersible pump | | | | |
| | Surface pump (electrical) | | | | |
| | Arc welding machine | | | | |
| | Dewatering pump (petrol) | | | | |
| | Chain pipe vice | | | | |
| | Chain wrench | | | | |
| | Pipe wrench set | | | | |
| | Pipe threader | | | | |
| | Torque wrench set | | | | |
| | Date | Name | | | Signature |
| Recorded by store keeper | | | | | |
| Checked by head of office | | | | | |
| Authorized by TVETC principle | | | | | |
| Authorized by TVET Agency/ Commission | | | | | |

(2) Minute of Discussions 2009 年 8 月 7 日

MINUTES OF DISCUSSIONS
ON
THE OUTLINE DESIGN
ON
THE PROGRAMME FOR EMERGENCY WATER SUPPLY
FOR ADDRESSING CLIMATE CHANGE
IN THE REPUBLIC OF MOZAMBIQUE
(Explanation on Draft Final Report)

In April 2009, the Japan International Cooperation Agency (hereinafter referred to as “JICA”) dispatched the Preparatory Survey Team on the Programme for Emergency Water Supply for Addressing Climate Change (hereinafter referred to as “the Programme”) in the Republic of Mozambique (hereinafter referred to as “Mozambique”), and through discussions, field survey and technical examination of the results of the survey in Japan, JICA prepared a Draft Final Report of the Outline Design.

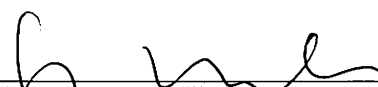
In order to explain and to consult with the concerned officials of the Government of Mozambique on the component of the Draft Final Report, JICA sent Mozambique the Draft Report Explanation Team (hereinafter referred to as “the Team”), which is headed by Mr. Masami Shukunobe, Chief Representative, JICA Mozambique Office, from 2nd July 2009 to 8th August, 2009.

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

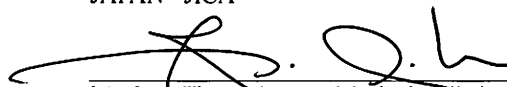
Maputo, 7th August, 2009



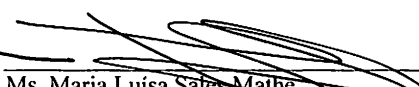
Mr. Masami Shukunobe
Leader,
Draft Report Explanation Team
Japan International Cooperation Agency
JAPAN - JICA



Mr. José Manuel Elija Guambe
Permanent Secretary,
The Ministry for Coordination of
Environmental Affairs - MICOA
The Republic of Mozambique



Mr. João Tiago Meneses Machado Ribeiro
General Director,
National Institute for Disaster
Management - INGC
The Republic of Mozambique



Ms. Maria Luisa Sales Mathe
Permanent Secretary,
The Ministry of Public Works and
Housing - MOPIH
The Republic of Mozambique

ATTACHMENT

1. Components of the Draft Report

The Ministry for Coordination of Environmental Affairs (hereinafter referred to as "MICOA"), the Ministry of Public Works and Housing (hereinafter referred to as "MOPH") and National Institute for Disaster Management (hereinafter referred to as "INGC") agreed on and accepted in principle the components of the Draft Final Report explained by the Team as shown in.

2. Japan's Programme Grant Aid for Environment and Climate Change

The Mozambican side understood the Programme, and would take the necessary measures for smooth implementation of the Programme, as agreed on in Exchange of Notes (hereinafter referred to as "E/N") and Grant Agreement (hereinafter referred to as "G/A") both sides signed on 30th March, 2009, and Minutes of Discussions signed by both sides on 24th April, 2009 (hereinafter referred to as "the previous M/D"). The previous M/D has been attached to the Draft Final Report of the Outline Design of the Programme.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the MICOA by the end of September, 2009.

4. Other Relevant Issues

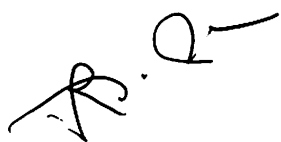
(1) Items of Equipment to be Procured

The Team explained the items of equipment to be procured which is listed as **Annex 1** based on the result of the Preparatory Survey conducted in April and May, 2009.

(2) Procurement Process of the Programme

Both sides reconfirmed that procurement process will be supervised by the Procurement Management Agent (hereinafter referred to as "the Agent") with necessary consultation by the Consultative Committee (hereinafter referred to as "the Committee"). And both sides also reconfirmed roles of the Agent as follows;

- 1) The Agent renders the services stipulated in the provisions of the G/A as well as the E/N for the Programme;
- 2) The Agent will undertake the procurement procedures necessary for the Programme according to the provisions of the G/A and E/N and any other concerned guidelines; and



- 3) The Agent will commence the procurement procedure according to the contents of the Final Report of the Outline Design.

The Team explained that if tender price exceeds the amount agreed on G/A and E/N, quantity or/and items of the equipment will be reduced until the Programme cost comes down to the amount agreed on in G/A and E/N.

The Mozambican side agreed that if there is a remaining amount of the Programme cost after tenders, additional items of equipment will be procured based on priorities which are set in the Final Report.

The Mozambican side also understood that decision on addition or reduction of the equipment to be procured will be made through necessary consultation among members of the Committee.

(3) Programme Cost

As it was already agreed on in the previous M/D, the Mozambican side agreed that the Programme cost should not exceed the upper limit of amount of One (1) Billion Japanese Yen (1,000,000,000 Japanese Yen) agreed on in E/N. Both sides also confirmed that the Programme cost contains procurement cost of equipment, the cost for internal transport up to the Implementation Agencies, the Agent fee, cost for soft component and technical support for installation and initial operational training of equipment.

(4) Consultative Committee

The Mozambican side understood that the MICOA will chair the Committee in order to facilitate consultation and procurement process. The members of the Committee have reconfirmed functions of the Committee, which was already agreed on in the previous M/D, on 5th August, 2009.

The Committee members agreed that a regular meeting will be held every 6 months to confirm progress of procurement, operation and maintenance of the equipment, and discuss measures to solve problems. In addition, the committee member also agreed that a special meeting will be held, if necessary.

(5) Ownership and Operation and Maintenance (O&M) Responsibilities of Equipment

The Mozambican side has reconfirmed that MICOA, INGC and National Directorate of Water (hereinafter referred to as "DNA") hold the ownership of the equipment to be procured for each authority. The equipment will be used by each authority in principle without drilling rigs, associated equipment and supporting vehicles which to be used by EPAR in Maputo province and Gaza Province. Moreover,

the authorities have agreed that they have responsibilities for O&M of equipment.

(6) Final Report

The Mozambican side agreed that the Draft Final Report should never be duplicated in any form nor released to any other party(s) until relevant contracts are awarded by executing agency. This embargo is for securing fairness of tender procedure.

(7) Undertakings of the Mozambican Side

The Team requested the Mozambican side to abide by the following undertakings of the Mozambican side in addition to major understandings described in the previous M/D. The Mozambican side agreed to do so.

1) Usage and Management of Procured Equipment

The equipment to be procured will be operated and maintained by the Implementation Agencies with their responsibility, and it will not be used for unauthorized purpose.

The procurement of the mentioned equipment will be implemented subject to submission of the letter of consent from owners assuming the responsibility for its O&M as agreed on in the previous M/D.

2) Application of Budget on FY2010 for Value Added Tax (VAT)

Implementation Agencies will bear VAT for the equipment to be procured and will apply necessary budget for VAT regarding equipment to be procured by the end of August, 2009 without delay. In addition, implementation agencies will inform JICA Mozambique office of the result of the budget application when it has been approved. The equipment will not be procured if the budget for VAT will not be approved.

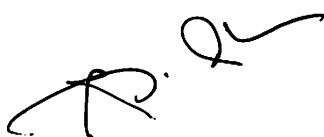
3) Tax Exemption and Refund of VAT

MICOA, INGC and MOPH will discuss with National Directorate of Budget, the Ministry of Finance regarding import tax exemption and refund of VAT and take necessary measure to prevent delay in procurement of equipment.



4) Assigning of Counterpart Personnel

The Mozambican side will assign personnel for O&M of the equipment to be procured.



5) Salary for the Personnel

The Mozambican side will bear salary for the personnel for O&M.

6) Construction of Water Supply Facilities

The Mozambican side will construct new boreholes and water supply facilities by using drilling machines to be procured based on the construction plans of each province (40 boreholes in Maputo Province and 60 boreholes in Gaza Province, annually).

7) Budget for New Water Supply Facilities and the Emergency Water Supply

The Mozambican side will bear necessary budget for construction, materials, O&M of water supply facilities and for the emergency water supply, such as O&M of water tank trucks.

8) Setting Up Point for the Rainwater Harvesting System

INGC will indicate specific setting up points for all of rainwater harvesting systems in the sites and will obtain the consents of the people's concerned regarding setting systems. INGC will report the result of the above arrangement to JICA Mozambique office by the middle of September 2009. In addition, INGC also will instruct the location for the setting contractor on the implementation stage.

9) Submission of copy of the Text for Environmental Education

MICOA will submit the copy of the text for environmental education to be revised to JICA Mozambique Office by the end of August 2009.

10) Establishment of Local Committees of Risks Calamities Management

The Mozambican side will direct to establish 155 Local Committees of Risks Calamities Management (hereinafter referred to as "CLGRC") in Maputo Province and Gaza Province which will use, operate and maintain Community Disaster Kit by the end of year 2009.

11) Receiving Inspection of the Equipment

The Mozambican side will observe the receiving inspection on delivery of equipment.

12) Establishment of Framework for the Monitoring

The Mozambican side will monitor proper utilization, maintenance and

condition of equipment to be procured by means of submission of the monthly operation and maintenance records by each Implementation Agency to MICOA using the forms attached in **Annex 3** and **Annex 4**. The report shall be sent from MICOA to JICA Mozambique Office as carbon copy once a year at least for five (5) years time. The Mozambican side agreed to the monitoring procedure described in item 3-4 of the Draft Final Report, which is also attached in **Annex 5**.

13) Export and Re-export

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

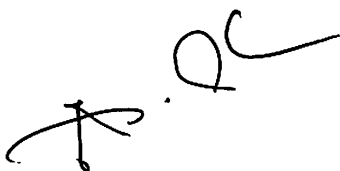
Annex 1: LIST OF EQUIPMENT

Annex 2: PROJECT COST ESTIMATION (CONFIDENTIAL)

Annex 3: OPERATION AND MAINTENANCE RECORD

Annex 4: MONITORING FORM

Annex 5: PROJECT OPERATION PLAN ITEM 4-1 OF THE DRAFT OUTLINE



Annex 1-A: LIST OF EQUIPMENT

| No. | Equipment | Qt | MICOA | INGC | DPOPH Maputo | DPOPH Gaza |
|---|---|--------|--------|------|-----------------|---------------|
| A. Equipment for Emergency Water Supply | | | | | | |
| A-4 | Water Tank Truck (5,000L) | 2 | - | 2 | - | - |
| A-5 | Tractor with Trailer-Cistern (5,000L) | 2 | - | 2 | - | - |
| B. Equipment for Operation and Maintenance of Water Supply Facilities | | | | | | |
| B-1 | Water Analyze Kit | 4 | — | — | 2 | 2 |
| B-3 | Off road type motorbike | 10 | — | — | 3 | 7 |
| C. Equipment for Drilling and Pumping Wells | | | | | | |
| C-1 | Truck Mounted Drilling Rig (D=150m) | 4 | — | — | 2 | 2 |
| C-2 | Drilling Tools | 4 | — | — | 2 | 2 |
| C-3 | Truck Mounted High Pressure Air Compressor | 4 | — | — | 2 | 2 |
| C-4-1 | Cargo Truck with Crane (4 ton) | 4 | — | — | 2 | 2 |
| C-4-2 | Cargo Truck with Crane (3 ton) | 4 | — | — | 2 | 2 |
| C-5 | Water Tank Truck (5,000L) | 2 | — | — | 1 | 1 |
| C-6 | Fuel tank Truck (3,500L) | 2 | — | — | 1 | 1 |
| C-8 | Vehicle 4×4 Pick Up (double cabin) | 2 | — | — | 1 | 1 |
| C-9 | Pumping Test Equipment | 4 | — | — | 2 | 2 |
| C-10-2 | Resistivity Meter | 2 | — | — | 1 | 1 |
| C-11 | Logging Equipment | 4 | — | — | 2 | 2 |
| C-12 | Solar Pumping System | 2 | — | — | 0 | 2 |
| C-13 | Materials for Borehole construction (Casing, Screen pipe, Hand pump) | 100 | — | — | 40 | 60 |
| D-1 | Emergency Kit | 155 | — | 155 | — | — |
| E. Equipment for Environmental Education | | | | | | |
| E-2 | Text for Environmental Education | | | | | |
| E-2-1 | Text for Environmental Education Type A First edition (5,000 units) | 5,000 | 5,000 | — | — | — |
| E-2-2 | Text for Environmental Education Type-A Second edition (70,000 units) | 70,000 | 70,000 | — | — | — |
| E-2-3 | Text for Environmental Education Type-B (70,000 units) | 70,000 | 70,000 | — | — | — |
| E-2-4 | Text for Environmental Education Type-C (70,000 units) | 70,000 | 70,000 | — | — | — |

Annex 1-B: LIST OF EQUIPMENT (Supplemental)

| No. | Equipment | Qt | MICO A | INGC | DPOPH Maputo | DPOPH Gaza |
|--|---|----|-----------|------|-----------------|---------------|
| A-1 | Rainwater Harvesting System (including installation) | 81 | - | 81 | - | - |
| C-8 | Vehicle 4×4 Pick Up (double cabin) | 2 | — | — | 1 | 1 |
| A-4 | Water Tank Truck (5,000L) | 2 | - | 2 | - | - |
| A-5 | Tractor with Trailer-Cistern (5,000L) | 2 | - | 2 | - | - |
| B-2 | Mechanical Lathe | 1 | — | — | — | 1 |
| C-1 | Truck Mounted Drilling Rig (D=150m) | 1 | — | — | — | 1 |
| C-2 | Drilling Tools | 1 | — | — | — | 1 |
| C-3 | Truck Mounted High Pressure Air Compressor | 1 | — | — | — | 1 |
| C-4-1 | Cargo Truck with Crane (4 ton) | 1 | — | — | — | 1 |
| C-4-2 | Cargo Truck with Crane (3 ton) | 1 | — | — | — | 1 |
| C-5 | Water Tank Truck (5,000L) | 1 | — | — | — | 1 |
| C-9 | Pumping Test Equipment | 1 | — | — | — | 1 |
| C-11 | Logging Equipment | 1 | — | — | — | 1 |
| B-1 | Water Analyze Kit | 1 | — | — | — | 1 |
| C-7 | Vehicle 4×4 Pick Up (single cabin) | 4 | — | — | 2 | 2 |
| C-5 | Water Tank Truck (5,000L) | 2 | — | — | 1 | 1 |
| C-6 | Fuel tank Truck (3,500L) | 3 | — | — | 1 | 2 |
| C-7 | Vehicle 4×4 Pick Up (single cabin) | 1 | — | — | — | 1 |
| C-8 | Vehicle 4×4 Pick Up (double cabin) | 1 | — | — | — | 1 |
| C-10-1 | Electro-Magnetic Meter | 2 | — | — | 1 | 1 |
| E. Equipment for Environmental Education | | | | | | |
| E-1 | Audiovisuals for Environmental Education | | | | | |
| E-1-1 | Laptop computer | 2 | 2 | — | — | — |
| E-1-2 | Microsoft Office | 2 | 2 | — | — | — |
| E-1-3 | Portable Screen | 2 | 2 | — | — | — |
| E-1-4 | Digital Video Camera | 2 | 2 | — | — | — |
| E-1-5 | Projector | 2 | 2 | — | — | — |

Annex 2 Project Cost Estimation**(1) Japanese side cost obligation**

| Item | Cost (million yen) |
|--|--------------------|
| Equipment procurement, Soft component and Procurement Management Agent Fee | 999.19 |

(2) Mozambican side cost obligation**A. Project Cost**

| Item | Cost (MT) |
|---|------------|
| Bank commission (Transfer from Mozambican account to Agent account) | 134.400 |
| Internal Tax (V.A.T.) | 42,169,700 |
| Total | 42,304,100 |

- 1) This cost estimate should never be duplicated in any form nor released to any other party(s) until relevant contracts are awarded by executing agency. This embargo is for securing fairness of tender procedure.
- 2) VAT amount is estimated 17% of procurement cost.
- 3) Time of Cost Estimation: 30 April 2009
- 4) Exchange rate: 1MT = 3.72 Yen

B. Operation and maintenance cost (O&M cost)**a) O&M cost for the equipment to be procured**

| No. | Equipment | Annual O&M cost (Thousand Yen) | | | | |
|--|---------------------------------------|--------------------------------|--------|------------|----------|------------|
| | | Total | INGC | DAS-Maputo | DAS-Gaza | |
| A. Equipment for Emergency Water Supply | | | | | | |
| A-2 | Water Tank Truck (5,000L) | 370 | 2 Unit | 740 | - | |
| A-3 | Tractor with Trailer-Cistern (5,000L) | 910 | 2 Unit | 1,820 | - | |
| B. Equipment for O&M for Water Supply Facilities | | | | | | |
| B-3 | Off road type motorbike | 56 | | 3 Unit | 168 | 7 Unit 392 |
| Total (Thousand Yen) | | | 2,560 | 1,68 | 392 | |
| Total (Thousand MT) | | | 668 | 45 | 105 | |

1 of 2

1 of 2



Handwritten signature: *[Signature]*

CV

2 of 2

DRILLING RIG OPERATION AND MAINTENANCE RECORD (For Photo Frame)

**Please attach photos to show the current condition*

| Month |
|--|
| <div style="text-align: center;">OBLIQUE VIEW (Drilling rig)</div> |
| <div style="text-align: center;">OBLIQUE VIEW (Associated Vehicle and Tools)</div> |

(R)

CP

K.S.K

[Signature]

2 of 2

VEHICLE OPERATION AND MAINTENANCE RECORD (For Photo Frame)

**Please attach photos to show the current condition*

Month

OBLIQUE FRONT VIEW

OBLIQUE REAR VIEW

EQUIPMENT OPERATION AND MAINTENANCE RECORD (For Photo Frame)

**Please attach photos to show the current condition*

| Month |
|---|
| <div style="text-align: center;">OBLIQUE FRONT VIEW</div> |
| <div style="text-align: center;">OBLIQUE REAR VIEW</div> |

m

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ce
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Annex 5 Project Operation Plan

(1) Basic Concept

MICOA, INGC and DNA hold the ownership of the equipment to be procured for each authority. The equipment will be used by each authority in principle without drilling rigs, associated equipment and supporting vehicles which to be used by EPAR in Maputo province and Gaza Province. Moreover, the authorities have agreed to bear operation and maintenance cost for procured equipment.

Since equipment with low frequency of usage in daily which like disaster control are also contained in procured equipment, monitoring system shall be established in order to grasp a situation of utilisation and maintenance and to prevent utilisation of other purpose for the procured equipment.

(2) Operation and Maintenance Structure

The authorities have already had the management section for the equipment and had an experience in management of the similar equipment related water supply. Therefore it is not necessary to newly build or re-organize a management system for proper operation and maintenance.

(3) Monitoring System

As mentioned a basic policy, since equipment with low frequency of usage in daily are contained in procured equipment. Therefore in order to understand the situation of usage and management, the monitoring system shall be established.

The monitoring system is made based on the monitoring sheet (Annex 3 and 4), and each authority shall submit it to MICOA and JICA Mozambique office once in a year. A monitoring will be carried out for the period of five (5) years after handover of the equipment. A monitoring flow is shown in Figure 1.

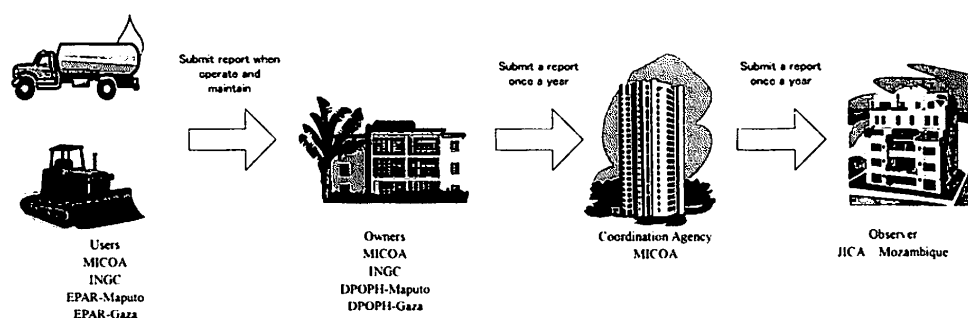


Figure 1 Monitoring flow