

IX. TERM OF COOPERATION

The duration of the technical cooperation for the Project under this Attached Document will be three (3) years from March 15, 2005.

- ANNEX I MASTER PLAN
- ANNEX II LIST OF JAPANESE EXPERTS
- ANNEX III LIST OF MACHINERY AND EQUIPMENT
- ANNEX IV PRIVILEGES, EXEPTIONS AND BENEFITS FOR JAPANESE EXPERTS
- ANNEX V LIST OF ETHIOPIAN COUNTERPART AND ADMINISTRATIVE PERSONNEL
- ANNEX VI LIST OF LAND, BUILDINGS AND FACILITIES
- ANNEX VII JOINT COORDINATING COMMITTEE



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## ANNEX I MASTER PLAN

### Overall Goal:

Access to improved facilities of water supply increases through water resource development and management.

### Project Purpose:

Human resources for appropriate groundwater and water supply management increase.

### Outputs:

1. Technical trainings regarding groundwater and water supply management are conducted.
2. The training courses are developed and improved through research activities.
3. Teaching materials on groundwater management and water supply are developed.

### Activities:

1. Implementation of Training Courses  
Through planning and implementation of the following training courses,
  - 1) Human resources development of trainees, and
  - 2) Management capacity of the Center staff will increase.
  - 1.1 Regular courses
    - 1.1.1 Basic courses:  
Groundwater Investigation, Drilling Machinery Maintenance, Drilling Technology
    - 1.1.2 Advance courses: (As per Training Needs Assessment)
  - 1.2 Relevant Supplementary courses
    - 1.2.1 Relevant On-Demand courses: (As per Training Needs Assessment)
    - 1.2.2 Relevant Regional Training Courses: (As per Training Needs Assessment)
2. Implementation of Research and Development activities on groundwater management and appropriate technology development
  - 1) Formulation of research plans
  - 2) Execution of research activities
  - 3) Feedback of the results to the training courses
3. Implementation of and support to water related projects
  - 1) Formulation of implementation and support plans
  - 2) Execution of implementation and support activities
  - 3) Formulation of teaching materials on groundwater management and water supply

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## ANNEX II LIST OF JAPANESE EXPERTS

### 1. Long-term experts

- (1) Chief Advisor
- (2) Project Coordinator

### 2. Short-term experts

- (1) Groundwater Modeling
- (2) GIS
- (3) Remote Sensing / Hydrogeology
- (4) Water Supply Management
- (5) Water Supply Engineering
- (6) Maintenance Workshop Management
- (7) Electric Equipment Maintenance
- (8) Local Social Development
- (9) Drilling and Well Rehabilitation

Short-term experts will be dispatched as necessity arises

#### Note:

Field, number and terms of assignment of short-term experts will be decided in consideration of the progress of the Project through mutual consultations for each Japanese fiscal year.

ANNEX III LIST OF MACHINERY AND EQUIPMENT

1. Spare Parts of Drilling Machine

Other materials and equipment mutually agreed upon as necessary will be provided.

Notes:

Contents, specifications and quantity of the above-mentioned equipment will be decided through mutual consultations within the budget allocated for the technical cooperation of the Government of Japan.

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ANNEX IV PRIVILEGES, EXEMPTIONS AND BENEFITS FOR JAPANESE EXPERTS

1.The Government of the Federal Democratic Republic of Ethiopia through the Ministry of Water Resources will grant exemptions from income tax and other charges of any kind imposed on or in connection with allowances remitted from abroad.

2.The Government of the Federal Democratic Republic of Ethiopia through the Ministry of Water Resources will grant exemptions from customs duties with respect to importation of personal effects by the Japanese experts and their families, as well as importation of machinery and equipment for their activities. Details on the equipments and machineries will be worked out shortly.

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ANNEX V LIST OF ETHIOPIAN COUNTERPART AND ADMINISTRATIVE PERSONNEL

1. Project Director  
The Chief Engineer, MoWR
  
2. Project Manager  
Head of Department of Rural Water Supply and Sanitation Service Department, MoWR
  
3. The Head of the Ethiopia Water Technology Center, MoWR
  
4. Counterpart Personnel
  - (1) Groundwater Modeling
  - (2) GIS
  - (3) Remote Sensing / Hydrogeology
  - (4) Water Supply Management
  - (5) Water Supply Engineering
  - (6) Maintenance Workshop Management
  - (7) Electric Equipment Maintenance
  - (8) Local Social Development
  
5. Workshop Technicians
  
6. Administrative Personnel
  - (1) Administrative staff
  - (2) Secretary
  - (3) Accountant
  - (4) Cashier
  - (5) Drivers
  - (6) Cleaners
  - (7) Guards
  - (8) Other necessary staff



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ANNEX VI LIST OF LAND, BUILDINGS AND FACILITIES

1. Land, building and facilities necessary for the implementation of the Project
2. Buildings and facilities necessary for the installation and storage of the equipment provided by the Government of Japan.
3. Suitable office rooms and any other facilities necessary for Japanese experts to hold office.



## ANNEX VII JOINT COORDINATING COMMITTEE

### 1. Function

A Joint Coordinating Committee will be created, which will meet at least once a year and whenever the need arises. In case the committee could not hold the meeting, the Chief Advisor can directly contact the Chairperson of the Committee.

The functions of the Joint Coordinating Committee are as follows:

- (1) To supervise the annual work plan of the Project in line with the Plan of Operation and Project Design Matrix that will be formulated based on the Record of Discussions.
- (2) To review the annual and overall progress of the Project, and to evaluate the accomplishment of annual targets and achievement of the objectives.
- (3) To find out proper ways and means for the solution of major issues arising from or in connection with the Project.

### 2. Members of the Committee

#### (1) Chairperson

Vice Minister of Ministry of Water Resources

#### (2) Deputy Chairperson

Chief Engineer, Ministry of Water Resources

#### (3) Members

##### a. Ethiopian side

Project Manager

Head of the Ethiopia Water Technology Center

Representative of specific regional governments, if necessary

Other personnel concerned appointed by Chairperson

##### b. Japanese side

Chief Advisor

Project Coordinator

Japanese experts

Representative of the JICA Ethiopia office

Other persons concerned, to be appointed by JICA Ethiopia office, if necessary

Note:

- When the chairperson cannot organize the Committee meeting, the deputy chairperson can act for him/her instead.
- Official(s) of the Embassy of Japan may attend the Committee meetings as observer(s).





MINUTES OF MEETINGS BETWEEN  
JAPAN INTERNATIONAL COOPERATION AGENCY AND  
THE MINISTRY OF WATER RESOURCES OF  
THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA  
ON JAPANESE TECHNICAL COOPERATION  
FOR  
THE ETHIOPIA WATER TECHNOLOGY CENTER PROJECT  
IN THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

The Japan International Cooperation Agency (hereinafter referred to as "JICA") and the Ethiopian authorities concerned had a series of discussions for the purpose of working out the details of the technical cooperation concerning the Ethiopia Water Technology Center Project in the Federal Democratic Republic of Ethiopia (hereinafter referred to as "the Project").


As a result of discussions, both sides came to understanding concerning the matters referred to in the document attached hereto.


Addis Ababa, March 15, 2005.

  
Mr. Naoki SAITO  
Resident Representative,  
Japan International Cooperation Agency  
Ethiopia Office



  
H.E. Ato Shiferaw Jarso  
Minister  
Ministry of Water Resources  
Federal Democratic Republic of Ethiopia



  
Mr. Hailmichael Kinfel  
Head,  
Bilateral Cooperation Department,  
Ministry of Finance and Economic Development,  
Federal Democratic Republic of Ethiopia



ATTACHED DOCUMENT

For the formulation of the master plan of the Project, both sides tentatively confirmed the followings as the major items of the plan. This plan was examined based on the request from Ethiopian side.

**I. The title of the Project**

The title of the initially requested Project was "Groundwater Development and Water Supply Training Project Phase-II". However, both parties discussed and agreed to change the title to "the Ethiopia Water Technology Center Project (EWTEC)" reflecting the expanding role of the center in the near future.

**II. Implementing Agency**

Both sides agreed that Ministry of Water Resources (hereinafter referred to as "MoWR") would be the responsible and implementing agency of the Project.

**III. Project Design Matrix (PDM)**

Both sides agreed to use the Project Design Matrix (PDM) shown in Appendix I as a tool for monitoring, evaluation and management of the activities of the Project. The attached PDM that was drawn up at the planning stage is subject to modification based on the mutual consultations between JICA and MoWR when necessity arises during the project implementation stage.

**IV. Plan of Operation**

The Plan of Operation (P/O) of the Project is shown in Appendix II. The understanding of both sides that is reflecting to the P/O is described as below. P/O shall be revised and amended through discussion between both sides when necessity arises during the project implementation stage.

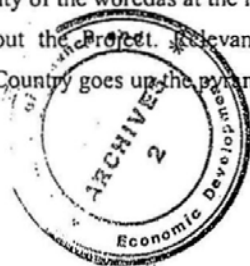
(1) Comments from Ethiopian side

The MoWR expressed that there is a high training needs of the basic courses (previously called as "core courses") in order to achieve the MDGs in Ethiopia.

MoWR has assessed the priority needs of the country and the space availability after which a request for carrying out training of core courses and other courses including research and development activity in Butajira and Zuwai are selected.

Taking in to consideration the priority needs and capacity of the country, the MoWR would like to address the bottom of the pyramid where technicians, drillers, mechanics, etc are required for building the capacity of the woredas at the initial stage. The MoWR thus would like to offer the core courses through out the Project. Relevant advanced courses not indicated in the P/O can be considered as the Country goes up the pyramid.

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The MoWR also forwarded the following,

- Drilling Technology Course to be carried out from October to December 2005 shall incorporate a theoretical course of 1 month at Kaliti in addition to the practical on the job training in Butajira.
- Regarding the Appropriate Technology Course, the term of "appropriate technology" covered very broad concept so that it is required to identify specific priority technologies by conducting needs assessment.
- The courses on Project Management and Data Compilation and Analysis were proposed by Ethiopian side based on the findings of the national training needs assessment that was a part of the master plan study in water sector. These courses would be assessed by both sides and incorporated as Supplementary Courses of the project.
- With regard to the regional training courses, the Ethiopian side stressed that the priority courses should be examined by conducting detailed training needs assessment covering all the regions and by an appraisal workshop.
- The Ethiopian Side strongly indicated that as much as possible courses would be organized centrally at Kaliti as this will benefit many participants throughout the country.
- Concerned with supporting actual water related projects as model cases, the Ethiopian side has however emphasized the need for prior assessment and agreement by the two parties before implementation.

(2) Comments from Japanese side

Japanese side expressed that Ethiopian side is capable enough to conduct training courses in Groundwater Investigation, Drilling Machinery Maintenance and Drilling Technology. Ethiopian side needs to assign a superintendent driller and a training coordinator in order to conduct the drilling technology course effectively. However, due to possible budget constraints on budgetary allocation in the current situation, JICA is ready to cover necessary expenses for the implementation of these courses in the year 2005.

Regarding Local Social Development Course, JICA commented that present course curriculum is too general for community participation promoters who are in priority needs to be trained in community level. Its curriculum should be revised in the early stage in accordance with result of needs assessment. Water Supply Engineering Course is also very general so that similar revision is required.

The Japanese side forwarded that it is very important and useful for development of water sector in Ethiopia to implement and support actual water related projects as model cases.

The Japanese side agrees to conduct training needs assessment for the regional courses together with Ethiopian counterparts in order to clarify the priority needs based on the specific circumstances of respective regions. The assessment will facilitate the execution of more effective and efficient

