

DRAFT

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. When it is quite difficult to hold the Committee and/or in case of emergency, the Chief Advisor can contact directly to 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 groundwater development and water supply training 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).

Project Title: Groundwater Development and Water Supply Training Project Phase-II

Duration: January 15, 2005 - January 14, 2008

Target Area: All over Ethiopia

Target Group: Staff of central and regional governments involved in the groundwater development and water supply programs

Appendix II

Narrative Summary	Verifiable Indicators	Means of Verification	Important Assumptions
Overall Goal Access to improved facilities of water supply increases through water resource development and management.	1. National water coverage rate (2004: 36.6% national, 25% in rural, MDG for 2015: 62% in rural)	1. Water inventory from MoWR	- No extraordinary climate condition prevail in Ethiopia. - Water sector policies remain unchanged.
Project Purpose Human resources for appropriated groundwater and water supply management increase.	1. Number of trainees completed the training courses (Year 1: 370 trainees, Year 2: 555 trainees, Year 3: 535 trainees)	1. Project record (i.e., Trainees' List, Achievement Tests)	- Regional governments and their subordinate institutions continuously assign the graduates of the training courses to the implementation of water supply projects. - The Ethiopian Government covers the management cost and provides required personnel for the Center.
Outputs 1. Technical trainings regarding groundwater and water supply management are conducted. 2. The training courses are developed and improved through research activities 3. Training materials on groundwater and water supply are developed.	1.1 Number of the training courses carried out (21 courses) 1.2 80% of the ex-trainees and their bosses are satisfied with the training courses. 1.3 Documents related to the training course management 1.3.1 Annual plans of the training courses formulated 1.3.2 Implementation plans for each training course formulated 1.3.3 Evaluation reports for each training course prepared 2.1 Number of developed or revised textbooks/materials, and curricula related to groundwater management training and appropriate development training 3.1 Number of teaching materials developed on operation & maintenance, construction and rehabilitation of water supply 3.2 Number of teaching materials on water supply disseminated	1.1 Project record (i.e., Trainees' List, Achievement Tests) 1.2.1 Questionnaire to the ex-trainees and their bosses 1.2.2 Evaluation reports for each training course 1.3.1 Project records 1.3.2 Evaluation reports for each training course 2.1 Project record 3.1 Project record 3.2 Project record	- Graduates of the training courses continue to work in the same sector in Ethiopia. - The budget for facility improvement for water supply is secured.
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: Groundwater Modeling, GIS/data Management, Geophysical Survey, Remote Sensing, Water Supply Management, Water Supply Engineering, Electro-mechanical Maintenance 1.2 Supplementary courses 1.2.1 On-Demand courses: Appropriate Technology, Artificial Recharge, Well Rehabilitation, Maintenance Workshop Management, Rope Pump Manufacturing, Trainers' Training (TVT) 1.2.2 Regional Training Courses: Water Supply and Sanitation, Community Participation Promoter, Electro-mechanical Maintenance, Local Artisans 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	Inputs Japanese Side 1) Dispatch of Experts Long-term Experts 1. Chief Advisor 2. Coordinator Short-term Experts (as necessity arises) 2) Provision of Machinery and Equipment 3) Training of Ethiopian personnel in Japan (as necessity arises) Ethiopian Side 1) Assignment of Counterparts 1. Project Director 2. Project Manager 3. Head of the Training Center 4. Counterpart Personnel (1) Groundwater Modeling (2) GIS (3) Remote Sensing (4) Geophysical Survey (5) Hydrogeology (6) Drilling and Rehabilitation (7) Water Supply Management (8) Water Supply Engineering (9) Maintenance Workshop Management (10) Electric Equipment Maintenance (11) Local Social Development 2) Provision of land, building and facilities 3) Allocation of budget	- Staff of the Center continue to work at the Center. - Sufficient number of trainees are enrolled to the training courses. - Duty and authority of the Center for the training purposes are maintained.	
			Pre-conditions - The budget for the training courses will be secured by the Ethiopian Government. - Facilities and equipment required for the training will be prepared in accordance with the implementation plans of the training.

Appendix III

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Appendix IV Organization Chart of the Project

