## MINUTES OF MEETING BETWEEN THE JAPANESE EVALUATION TEAM AND

## THE AUTHORITIES CONCERNED OF THE GOVERNMENT OF THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

ON

## JAPANESE TECHNICAL COOPERATION FOR

## THE GROUNDWATER DEVELOPMENT AND WATER SUPPLY TRAINING PROJECT

The Japan International Cooperation Agency (hereinafter referred to as 'JICA') dispatched the Project Evaluation Team (hereinafter referred to as 'the Japanese Team') on the Japanese Technical Cooperation Program for the Groundwater Development and Water Supply Training Project (hereinafter referred to as 'the Project') headed by Mr. Hideki HIROTA, to the Federal Democratic Republic of Ethiopia from August 5 to 16, 2002.

During its stay in the Federal Democratic Republic of Ethiopia, the Japanese Team had a series of discussions with the Ethiopian authorities concerned and jointly evaluated the project achievement so far made and exchanged views on the project activities to fulfill the Record of Discussions signed on October 15, 1997 (hereinafter referred to as 'R/D').

As a result of the discussions, the Japanese Team and the Ethiopian authorities concerned agreed to report to their respective Governments the matters referred to in the document attached hereto.

Addis Ababa, August 15, 2002

豫用夹树

Mr. Hideki HIROTA

Leader,

Project Evaluation Team

The Japan International Cooperation Agency

Japan

Mr. Mesfin liegene

Vice Miriister,

Ministry of Water

The Federal Demockatic

Ethiopia

#### ATTACHED DOCUMENT

# JOINT EVALUATION REPORT ON JAPANESE TECHNICAL COOPERATION FOR THE GROUNDWATER DEVELOPMENT AND WATER SUPPLY TRAINING PROJECT

August 15, 2002

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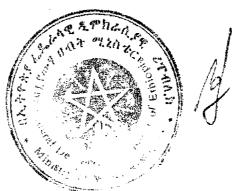
#### **SUMMARY**

#### 1. Results of the Evaluation

- 1-1 The project purpose and overall goal are valid in line with water sector policy of the Government of Ethiopia.
- 1-2 The Addis Ababa Training Center (hereinafter referred to as 'the Center') conducted 25 regular courses and 3 ad-hoc short courses and trained 259 trainees in regular courses and 66 trainees in other ad-hoc courses including 31 participants for workshops. Individual participant appreciated ones course/program in lectures and practical training with equipment, and all the participants successfully completed course curriculums. The Center also implemented a small-scale rural water supply scheme, which gave excellent experience to those who participated in the model area activities. Although the scheme was small in its nature, the scheme gave positive impacts to the community in the ownership, life style, and health awareness.
- 1-3 The Project has efficiently utilized Japanese and Ethiopian input. Both manpower and equipment are appropriately provided through the project period.
- 1-4 The Center is recognized as the first and only organization to offer practical training in groundwater development and water supply in the country. The participants are invited from all regions and they are expected to play key roles in the water supply sub-sector.
- 1-5 Ministry of Water Resources is planning to upgrade the Center from project status to a semi-autonomous entity accountable to the Ministry. For the future sustainability of the Center, appropriate staff positioning and budget allocation will be essential.

#### 2. Recommendation

Based on the results of evaluation, the Japanese side and the Ethiopian side recognized the extension of the Project is vital.



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#### 2. BACKGROUND AND SUMMARY OF THE PROJECT

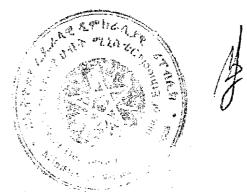
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#### 1. INTRODUCTION

#### 1-1 Preface

The Project was launched on January 15, 1998 and will be completed on January 14, 2002. The Japanese Team dispatched by JICA visited the Federal Democratic Republic of Ethiopia from August 5 to 16, 2002 for evaluating the achievement of the Project. The Ethiopian authorities concerned and the Japanese Team have undertaken the evaluation jointly.

#### 1-2 Objectives of Evaluation

Objectives of the evaluation are as follows;

- 1) To grasp the input of both Ethiopian and Japanese sides for the Project, and summarize the achievement of the Project.
- 2) To execute a comprehensive evaluation on the achievement of the Project from the viewpoint of five components of evaluation (explained later in this document).
- 3) To make recommendations to the future perspective of the Project and draw lessons learned from the Project for the same field of technical cooperation.

#### 1-3 Evaluation Schedule

Day	Schedule
Tue	Meeting with JICA Ethiopia Office
	Meeting with Japanese Experts
	Courtesy Call on Embassy of Japan
	Courtesy Call on Ministry of Finance and Economic Development
Wed	
	Meeting with Ethiopian Evaluation Team
	Meeting with Japanese Experts at the Addis Ababa Training Center
Thu	Hearing from Japanese Experts and Counterparts
Fri	Joint Coordinating Committee
	Hearing from Japanese Experts and Counterparts
Sat	Site visit: Model Area
Sun	Preparing draft Minutes of Meeting
Mon	Discussion with the Ethiopian evaluation team
Tue	Discussion with the Ethiopian evaluation team
Wed	Discussion with the Ethiopian evaluation team
Thu	Signing of Minutes of Meeting
	Reporting to Ministry of Finance and Economic Development
	Reporting to Embassy of Japan
	Reporting to JICA Ethiopia Office
	Tue Wed Thu Fri Sat Sun Mon Tue Wed



#### 1-4 Evaluators/Personnel Interviewed

#### 1-4-1 Evaluators/The Japanese Side

Mr. Hideki HIROTA

Leader

Mr. Yoshiki OMURA

Water Supply Engineer

Prof. Katsuhiko KANO

Regional and Social Development Specialist

Ms. Minako SUGAWARA

Project Officer

Mr. Harumi IIDA

**Evaluation Analysis Consultant** 

#### 1-4-2 Evaluators/The Ethiopian Side

Ato Mesfin Tegene

Vice Minister, Ministry of Water Resources

Ato Abera Mekonnen

Chief Engineer, Ministry of Water Resources (Project

Director)

Ato Tefera Assefa

Head of Management and Training Service, Ministry of

Water Resources (Project Manager)

Ato Yohannes G/Medhin

Technical Advisor, Ministry of Water Resources

Ato Gulilat Birhame

Head of Planning and Projects Department, Ministry of Water

Resources

Ato Markos Tefera

Head of Training Center, Ministry of Water Resources

#### 1-4-3 Personnel Interviewed

#### Embassy of Japan:

Mr. Hiroyoshi IHARA

Ambassador of Japan

Mr. Hiroyuki OGINO

Second Secretary

Mr. Kazuhiro FUKUDA

Second Secretary

#### JICA Ethiopia Office:

Mr. Yoshinori EBATA

Resident Representative

Mr. Hiroshi SUMIYOSHI

Assistant Resident Representative

#### Project Team:

Mr. Tsuyoshi KIKUCHI

Chief Advisor

Mr. Kenichi TAKEUCHI

Coordinator

Dr. Azusa KIKAWADA

Long-term Expert (Groundwater-Investigation)

Mr. Mitsuyoshi SAGAWA

Long-term Expert (Mechanical Engineering)

Mr. Takashi SUZUKI

Long-term Expert (Drilling Technology

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Mr. Masanobu NINOMIYA Long-term Expert (Local Social Development)

Ms. Akino KITAZUME Long-term Expert (Women in Development)

#### Ministry of Finance and Economic Development:

Ato Hailemichael Kinfu Head, Department of Bilateral Cooperation

Ato Tamirat Kediro Team Leader, Asia and Austral-Asian Desk, Department

of Bilateral Cooperation

Ato Gebremedhin Birega Expert, Asia and Austral-Asian Desk, Department of

Bilateral Cooperation

#### Ministry of Water Resources:

Ato Shiferaw Jarso Minister, Ministry of Water Resources

Ato Mesfin Tegene Vice Minister, Ministry of Water Resources

Ato Tsegaye Haile Course Coordinator, LSD

Ato Matewos Teferra Course Coordinator, LSD

Ato Endris Mohammed Course Coordinator, DMMT

Ato Mekete Ababulgo Course Coordinator, DMMT

Ato Tesfaye Tadesse Course Coordinator, DT

Ato Tamiru Fekadu Course Coordinator, GWI

W/t Lakech Haile Course Coordinator, WID

Ato Eyasu-Gebru Special Assistant to H. E. Minister

Ato Yitbarek Mengiste Economist, Planning and Projects Department, Ministry of

Water Resources

#### 1-5 Methodology of Evaluation.

The evaluation study was conducted in accordance with the JICA Project Cycle Management method in the following steps:

- The Project Design Matrix (hereinafter referred to as "PDM") prepared on December 15,
   2000 was agreed by both sides to be used as PDM for final evaluation (hereinafter referred to as "PDMe") which is shown in Annex 1.
- 2) The achievement of the Project was examined based on the PDMe.
- 3) Analysis was made for five evaluation criteria described below.
  - (1) Relevance

Relevance of the Project is reviewed by the validity of the project purpose and the overall goal in connection with the development policy of the Government of Ethiopia and training needs and also by parameters stipulated in the project plan.



- (2) Effectiveness
  - Effectiveness is assessed by evaluated to what extent the Project has achieved its purpose, and clarifying the relationship between that purpose and output.
- (3) Efficiency
  Efficiency of the Project implementation is analyzed with emphasis on the relationship between output and input in terms of timing, quality and quantity.
- (4) Impact
  Impact of the Project is assessed by either positive or negative influence caused by the Project.
- (5) Sustainability
  Sustainability of the Project is assessed in terms of organizational, financial and technical aspects by examining the extent to which the achievements of the Project are sustained or expanded after the Project is completed.
- 4) Finally, the evaluators reached an agreement on the conclusion of the evaluation and made recommendations.
- 5) For evaluation, the materials used are the following: the Record of Discussions of October 15, 1997, the series of PDMs, a series of minutes of discussions held during the Project term, the reports made by the Project and the results of meetings, interviews and observations made by the Japanese Team during its stay in the country.

#### 2. BACKGROUND AND SUMMARY OF THE PROJECT

#### 2-1 Background of the Project

The major source of water supplies in Ethiopia is groundwater. The water supply coverage in the country is one of the lowest in the world, so the development of groundwater source is crucial. Although the water supply service had been transferred to local governments from the national government based on the decentralization policy of the new national administration established in 1994, each local government did not have enough manpower to provide water supply service for people.

In this context, the Government of Ethiopia planned the training for engineers engaged in groundwater development and water supply services, which covers planning and investigation, well drilling, maintenance of well drilling machinery and water supply management in community, and requested the assistance from the Government of Japan.

The Government of Japan dispatched a series of study teams and discussed the detailed plan of the Project with the Ethiopian authorities concerned. Finally, both sides agreed to implement the Project, which aimed to develop regional government staff engaged in the groundwater development and water supply, and signed the Record of Discussions (R/D) on December 15, 1997.



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#### 2-2 Summary of the Project

The project management is based on the PDM, which was once revised during the mid-term evaluation in December 2000.

The project purpose is "regional staff involved the groundwater development and water supply program is developed with emphasis on gender and development", and the overall goal of the Project is "enough and safe water is supplied by enhancing groundwater development and capacity building through appropriate water supply technology training".

Following are the expected output of the Project.

#### A: Addis Ababa Training Center

- 1) Addis Ababa Training Center is established, managed, operated and maintained.
- 2) Equipment and material procured under the Cooperation are utilized, operated and maintained.
- 3) Technologies and related knowledge provided by the following courses and program are transferred to regional staff involved in the groundwater development and water supply program.

#### Core Courses

- Groundwater Investigation
- Drilling Technology
- Drilling Machinery Maintenance
- Local Social Development

#### Ad hoc Courses

- Water Supply Management
- Operation and Maintenance of Mechanical and Electric Equipment

#### Cross-cutting Program

- Gender and Development

#### B: Model Areas

- 4) Integrated field activities training model is established and maintained.
- 5) Addis Ababa Training Center develops learning cycle to accumulate the experiences in sustainable rural water supply development and management process.

#### 3. EVALUATION

#### 3-1 Achievement of the Plan

Please refer to ANNEX2 (Achievement of the Project), ANNEX3 (Input Performance) and ANNEX4 (Summary of the Training Courses).



#### 3-2 Results of the Evaluation

Following are summaries of the results of the evaluations based upon the evaluation method described in 1-5. For further information, refer to the evaluation grid for the Project (ANNEX5).

#### 3-2-1 Relevance

The relevance of the Project on its project purpose and overall goal is very high. The need of groundwater development and water supply in Ethiopia is very high, and the Project has contributed to fulfill the need by capacity building of staff from regional governments in practical ways.

Along "the Ethiopian Water Resource Management Policy", Ministry of Water Resources has formed "Water Sector Development Program", in which human resources development was recognized crucial. Individual training courses/program in the Center contributed to improve the capacity of regional staff in groundwater development and water supply.

#### 3-2-2 Effectiveness

The training courses/program in the Center have trained 259 trainees in regular courses and 66 trainees in other ad-hoc courses including 31 participants for workshops. Consequently, the number of trainees has already been exceeded the plan for five years. In training courses, all trainees have graduated from the Center, and more than 80% of graduates have assessed that training courses/program contributed to improve their works. The model area activities were incorporated one time in each regular course and a workshop, and it gave the field experience to all trainees who participated.

#### 3-2-3 Efficiency

The Project has utilized Japanese and Ethiopian input efficiently. Japanese long-term experts have made high performance in result of training courses/program as well as short-term experts for ad-hoc courses. In addition, the counterpart training in Japan was effectively implemented. Provision of equipment was appropriate and local cost support was utilized for training and building the infrastructure in the Center. In addition, Japanese side contributed to establishment of the model area activities.

Ministry of Water Resources allocated the staff to the Center. Number of staffs as counterparts of Japanese expert has been increased. They have taken over the training course with Japanese experts. The construction of dormitory in the Center is going to finish. After the construction, utilizing of the dormitory will contribute to convenience for trainees and cost

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saving of the Center. The local cost expenditure by Ministry of Water Resources has been allocated from its budget along the annual operation plan, which has increased annually especially in the expense for trainees. Ministry of Water Resources has shown the effort to allocate the budget for the Center.

#### 3-2-4 Impact

The Project established the Center, which is recognized as the first and only organization to offer practical training in groundwater development and water supply in Ethiopia. The Center has contributed to improve the ability of regional government staff, and to support the capacity building of regional governments, in which the rapid decentralization of water supply services is in progress. On the other hand, the Center has contributed to strengthen the relation between Ministry of Water Resources and the regional governments.

The training by the Center has produced positive impact in the regional governments that not few graduates perform impressively as organizing workshop/lecture in their bureaus. In addition, the model area activities by the Center gave the positive impact on the ownership, life style and health awareness in the recipient community.

#### 3-2-5 Sustainability

Ministry of Water Resources has shown strong intention to manage the Center along with the draft Water Sector Development Program that issued March 2002, and will upgrade the status of the Center from a project to a semi-autonomous entity accountable to the Ministry. In order to manage the Center properly, continued efforts of capacity building of Ethiopian staff is encouraged for improving teaching skills and broadening their knowledge. In addition, budgetary provision would be essential.





#### 4. CONCLUSION

#### 4-1 Conclusion of the Evaluation

- 1) The project purpose and overall goal are valid in line with water sector policy of the Government of Ethiopia.
- 2) The Center conducted 25 regular courses and 3 ad-hoc short courses and trained 259 trainees in regular courses and 66 trainees in other ad-hoc courses including 31 participants for workshops. Individual participant appreciated ones course/program in lectures and practical training with equipment, and all the participants successfully completed course curriculums. The Center also implemented a small-scale rural water supply scheme, which gave excellent experience to those who participated in the model area activities. Although the scheme was small in its nature, the scheme gave positive impacts to the community in the ownership, life style, and health awareness.
- 3) The Project has efficiently utilized Japanese and Ethiopian input. Both manpower and equipment are appropriately provided through the project period.
- 4) The Center is recognized as the first and only organization to offer practical training in groundwater development and water supply in the country. The participants are invited from all regions and they are expected to play key roles in the water supply sub-sector.
- 5) Ministry of Water Resources is planning to upgrade the Center from project status to a semi-autonomous entity accountable to the Ministry. For the future sustainability of the Center, appropriate staff positioning and budget allocation will be essential.

#### 4-2 Recommendations

For further sustainable development of the Center and capacity building in the water supply sub-sector, the Ethiopian side and the Japanese side shared the following recommendations:

1) Required activities until the end of the project period

Curricula, texts, training materials for training courses which have been continuously used and occasionally revised so far, should be reviewed again and finalized during the project period by the cooperation between Japanese experts and Ethiopian counterparts.

Additionally, both of them should make further effort on transfer of technology in order to strengthen capacity of the Ethiopian staff.



#### 2) Extension of the Project

In order to strengthen the basis for sustainability of the training activities and to address the training needs of the water sector, the extension of the Project is vital.

#### 3) Improvement of training

During the project implementation, training needs of each region are recognized diverse in technical levels and expertise due to geographical and social conditions. To this regard, it might be important for the Center to improve scope and contents of training by needs assessment, review of curriculum and participants' quota, and monitoring of management. In this context, skill acquisition training program is recommended for less trained operators and technicians.

#### 4) Gender issue in the training courses

The importance of gender issue related with groundwater development and water supply has been recognized by the Project gradually. Therefore, concrete procedure to intensify understanding on gender issue should be established from now.

#### 5) Establishment of the Advisory Committee for Training

There was an attempt by the Project to undertake monitoring and evaluation of training courses/program and make some amendments on the training activities. However, for the purpose of keeping the quality of training, we recommend establishing the Advisory Committee for Training.

#### 6) To strengthen self reliance of the Ethiopian staff

To hold each training course/program by the Ethiopian staff regularly, the staff will be required of wide range of technologies and knowledge. Therefore, the appropriate number of the staff should be always assigned to each training course/program. This will enable effective transfer of their technologies and knowledge from the experienced staff to the less practiced.

#### 7) Collection of technical reference material

For the use of both the staff and course participants and also for the use of graduates if necessary, the Center should collect technical reference material related with groundwater development and water supply.

#### 8) Networking of graduates

Since the Center started the training, more than 300 participants have completed courses and workshops. Networking of those graduates will support them by enhancing the exchange of their experience and information in order to solve their problems. The Center should take initiative to establish such network and provide them useful information concerning their works.

#### 9) Model area activities

Model area activities are needed to continue monitoring in cooperation with the local authorities concerned. The monitoring should be implemented regularly through a year



because the patterns of utilization of water supply facilities may be different by weather conditions. The result of monitoring should be analyzed as a case study and should be utilized for training.

#### 4-3 Lessons Learned

#### 1) Model area activities

It should be noted herewith that a type of field training in setting up a model area is the first attempt of training in this country. The result indicates in general that the activity facilitated a process for participants to acquire relevant skills and knowledge comprehensively through field exercises. The activities helped the people concerned in the water supply and sanitation sub-sector to reconfirm the emphasis on the importance of an approach that combines both technical and social aspects in planning, implementation and monitoring and evaluation of rural water supply projects. On the other hand, it should be also noted that such activities have been accompanied by a variety of difficulties and risk management. Difficulties have been existed in harmonizing training activities that are time-fixed undertaking with construction activities that need time-flexibility which relates to real acquisition of groundwater at one time, unexpected reactions made by local community members and the like. In short, the implementing agency should be well prepared to tackle such risks and uncertainty.

#### 2) Gender issue and the Project

The issue of gender is increasingly considered important in the water supply and sanitation sub-sector. 'Emphasis on gender and development' was agreed to be included into the project purpose since December 15, 2000, when both Ethiopian and Japanese sides signed on Minutes of Meeting. However, there have not been specific objectives and indicators to monitor the achievement among the project staff in this regard from the beginning. The Center should have clear set target and regular monitoring of its performance from gender perspective throughout its implementation process. Organizational efforts to realize incorporating gender and development in its activities is essential. Further efforts to make recognize the importance of gender and development issues among the project staff are encouraged. In addition, it is also learned that activities in the field of gender and development are often associated with attitudinal changes of the person/organization concerned, and that it requires a long-term perspective. It can be said that two years was not enough to obtain the tangible results.

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#### **ANNEXES**

Annex 1 Project Design Matrix for Evaluation (PDMe)

Annex 2 Achievement of the Project

Annex 3 Input Performance [Japanese Side]

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- 3-1 List of Japanese Experts
- 3-2 List of Machinery and Equipment
- 3-3 Counterpart Training in Japan

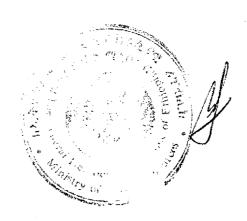
[Ethiopian Side]

- 3-4 List of the Assignment of Personnel
- 3-5 Organizational Diagram of the GD&WST Project
- 3-6 Local Cost Expenses Covered by Ministry of Water Resources

Annex 4 Summary of the Training Courses

Annex 5 Evaluation Grid for the Project





Project Design Matrix for Evaluation (PDM e)
Project Title: The Groundwater Development and Water Supply Training Project
Term: January 15, 1998—January 14, 2003 (5 years)

Target Area: All over Ethiopia	Target Group: Staff of Regional governments involved in the groundwater dev	elopment and water supply program	Date: August 15, 2002
Narrative Summary	Verifiable Indicators	Means of Verification	Important Assumption
<u>Overall Goal</u> Enough and safe water is supplied by enhancing groundwater development and capacity building through appropriate water supply technology training.	National water coverage rate in the rural area is increased.      Efficency of water supply project in Regional governments is improved.	Water Inventory from Ministry of Water     Resources (MoWR)     Report from MoWR	☐ Groundwater quality in Ethiopia is not deteriorated. ☐ Water Resource Management Policy remains unchanged.
Project Purnose Regional staff involved in the groundwater development and water supply program is developed with emphasis on gender and development.	280 regional staff requiring to the relevant training courses in groundwater development and water supply program are trained in the Addis Ababa Training Center by the end of the project term.      80% of participants graduate from each course every year      80% of graduates' superiors assess that the course is contributing to the execution of their works.      80% of graduates assess that course is contributing to the execution of one's duties.      Instructor assess that the course objective is achieved.      Staff of Regional governments are more often involved into water supply	1 List of participants in each course, Training needs assessment paper 2 List of graduates in each course/Achievement test 3 Questionnaire 4 Questionnaire 5 Achievement test 6 Questionnaire	Regional governments and organization continuously implement water supply project by course graduates.     Ethiopian Government assure the management cost and required personnel for the Addis Ababa Training Center
	projects.	******	
Output			
[A. Addis Ababa Training Center]  1 Addis Ababa Training Center is established, managed, operated and maintained.	<ul> <li>1-1 Necessary center staff at relevant posts are fully deployed by the end of 2001.</li> <li>1-2 Job description for each staff is clarified by March 2001.</li> <li>1-3 Bylaws and rules of center is developed by the end of 2001 and observed.</li> <li>1-4 Annual Operation Plan is made, reviewed, and executed by Ethiopian center staff by 2003.</li> <li>1-5 All the management, operation and maintenance cost for the Center is born by Ministry of Water Resources by 2003.</li> <li>1-6 Technology and knowledge are transferred from Japanese experts to Ethiopian staff by 2003.</li> <li>1-7 All courses are managed by the Ethiopian staff by 2003.</li> <li>1-8 Joint Coordinating Committee is formed and held regularly at least once a year or whenever deemed necessary.</li> <li>1-9 Management Committee is formed and held regularly at least quarterly basis or whenever deemed necessary.</li> </ul>	1-1 Staff deployment plan, list of staff deployed 1-2 TOR for each staff 1-3 Bylaws of center, report on the cases which the bylaws is applied. 1-4 Annual Operation Plan, Review paper, 1-5 Authorized budget plan 1-6 Annual Operation Plan, Report of each course, interview to counterparts and Japanese experts 1-7 Annual Operation Plan, Report of each course, interview to counterparts and Japanese experts 1-8 Organization chart, Minutes of Joint Coordinating Committee 1-9 Organization chart, Minutes of	Graduates of the courses continue to work in the same sector Technology and knowledge obtained through the training are transferred to the organization of the graduates Ethiopian stuff continue to work in the Centre  MoWR deploy the qualified staff to the Center
Equipment and material procured under the cooperation are utilized, operated and maintained	2-1 All the equipment is in opretion at 2003 and utilized in each course  2-2 Operation and maintenance manuals for major equipment are properly arranged.  2-3 All the operation and maintenance cost is born by MWR, by the end of project term.  2-4 Equipment and machinery are systematically managed by the Center	Management Committee 2-1 Records of operation and maintenance, Course curricula, course proceedings of each course 2-2 Records of operation and maintenance of each equipment 2-3 Budget plan of Mowr, innaheia report of the Center agreed ministration	





3 Technologies and related knowledge provided by the	3-1 Curricula of each course/program are developed and reviewed yearly	3-1 Curricula, performance report of each course	
following courses and program are transferred to regional	by the task force group.		1
staff involved in the groundwater development and water	3-2 Training/learning materials are developed for each course/program.	3-2 Training manual and text	
supply program	3-3 Following number of participants from the relevant organization with	3-3 List of participants, list of graduates	
[ Core Courses ]	relevant qualification attend each course and 80% of trainees graduate	Distribution, and or graduates	
☐ Groundwater Investigation	from the course		
☐ Drilling Technology			
☐ Drilling Machinery Maintenance	(JFY) 99 00 01 02 Groudwater Investigation 10 20 20 20		
☐ Local Social Development	Driffing Technology 10 20 20 20		1
[ Ad hoc Courses ]	Drilling Machinery Maintenance 10 20 26 20		
☐ Water Supply Management	Local Socal Development 10 20 20 20		
Operation and Maintenance of Mechanical and	LOCAL SOCIAL Decenolinesis 10 20 20 20		
Electric Equipment	3-4 Following number of courses is executed as planned.	3-4 Annual Plan of Operation, Records/Reports	
[ Cross-cutting Program ]	(JFY) 99 00 01 02	of each course	
☐ Gender and Development	Groudwater Investigation 1(3) 2(3) 2(3) 2(3)		
•	Drilling Technology 1(3) 2(3) 2(3) 2(3)	i i	
<u>'</u>			
	Local Socal Development 1(1) 2(1) 2(1) 2(1)	·	
•	(Term; Months)	<b> </b>	
	3-5 Following ad hoc courses are executed.	3-5 Curricula, Course Proceedings	
	☐ Water Supply Management		
	☐ Operation and Maintenance of Mechanical and Electric Equipment	1	
	3-6 Gender and Development program is incorporated in the courses	3-6 Performance report of each course	
•	3-7 Level of participants is relevant to the level of the courses.	3-7 Course announcement, participant registration form	
• •		1	
		<u> </u>	
[B. Model Areas ]			
4 The training model of field activities is established and	4-1 Implementation plan of Model Area activities is agreed between	4-1 Agreed memorandum	
maintained.	MoWR and Regional Government.	4-2 Curricula and training material	
	4-2 Curricula and teaching materials are developed.	4-3 Module of activities	
	4-3 Module of activities is developed and implemented	4-4 Completion report of facility construction	
	4-4 Water supply facility is constructed, operated and maintained.	4-5 Monitoring report	
:	4-5 Community-based organization is formed and plays expected roles	· ·	
	in operation and maintenance of the water supply facilities.		
# Addr. 48-b-Model on a land of the			
5 Addis Ababa Training Center develops learning cycle to	5-1 Field manuals are developed and utilized.	5-1 Field manual	
accumulate the experiences in sustainable rural water supply	5-2 Case study reports on the Model Area activities are prepared.	5-2 Case study report	
development and management process.	5-3 Concept, module and technique employed in the model program	5-3 Summary report	1
,	are summarized in the report.		
	5-4 Workshop is held among the Center staff to develop conceptual	5-4 Discussion/Occasional paper	Ì
	framework and technique employed in the Model Area activities.	7.79	





l <u>ctivities</u>	_inou	i '
A. Addis Ababa Training Center	Japanese Side	
1-1 Establish the Addis Ababa Training Center	[Provision of Personnel]	
1-1-1 Formulate the Training Center in the Ministry of Water	Long-term experts	
Resources	Chief advisor (60M/M)	
1-1-2 Appoint Head, counterparts and administrative staff	□ Coordinator (60M/M)	
1-1-3 Allocate necessary budget for the Center	Expert in groundwater development (60M/M)	
1-2 Develop curricula for training courses/program	Expert in drilling technology (60M/M)	
1-2-1 Establish curriculum task force group	Expert in mechanical engineering (60M/M)	
1-2-2 Decide contents of the curriculum	☐ Expert in regional/local social development (60M/M)	
1-2-3 Make training/learning materials	Expert in WID (60M/M)	
1-3 Improve facilities and equipment	short-term experts (when necessary)	1
1-3-1 Make the list of necessary equipment for training	[Provision of Equipment and Material]	
1-3-2 Make the procurement plan	Equipment and material for the following fields, total amount is 300 million Japanese yen	
1-3-3 Procure equipment	Groundwater Investigation Course	
1-3-4 Install equipment	☐ Drilling Technology Course	
1-3-5 Maintain equipment	☐ Drilling Machinery Maintenance Course	]
1-3-6 Establish overall efficient storage system	☐ Local Social Development Course	
1-4 Develop course/program instructors	☐ General Use	
I-4-1 Arrange two counterparts for each course/program	[Provision of Counterpart Training in Japan]	
1-4-2 Arrange instructors for each course	☐ two persons/year	1
I-4-3 Execute courses in collaboration with Japanese experts		
1-4-4 Manage courses by counterparts	Ethiopian Side	
1-5 Execute training courses	[Provision of Personnel]	
1-5-1 Make annual operation plan of training courses	☐ Project director (Chief Engineer; Ministry of Water Resources) [60M/M]	
1-5-2 Print the General Information for training courses	☐ Project Manager (Head of Management and Training Services, MoWR) [60M/M]	
1-5-3 Announce to the regional governments	☐ Technical Advisor [60M/M]	
1-5-4 Carry out training courses	☐ Project Coordinator at the model area[60M/M]	
1-5-5 Evaluate courses	Head of the Addis Ababa Training Center [60M/M]	
In activities and	Counterparts/Groundwater Investigation	1
[B. Model Areas ] 2-1 Formulate the implementation plan and procedure	☐ Counterparts/Drilling Technology ☐ Counterparts/Drilling Machinery Maintenance Technology	
2-1 Formulate the implementation plan and procedure 2-2 Select site through social and technical are survey	☐ Counterparts/Local Social Development	1
2-2 Select site through social and technical are survey  12-3 Conduct field training in the courses/program	Counterparts/WID	
2-4 Implement construction work	☐ Supporting staff (Administrative staff, secretary, accountant, cashier, driver, cleaner, guard, other necessary staff)	
2-5 Develop case studies concerning sustainability of rural	Provision of Land, Building, and facilities]	
water supply scheme	Land for Kalifi workshop	
2-6 Conduct monitoring and evaluation	☐ Building and Facilities	
2-7 Feed back outcomes from the activities to the Training	[Operation and Maintenance Cost]	
Center		1
	· ns have	1
	· Lineary and the second secon	<u> </u>

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Narrative Summary	Objectively Verifiable Indicators (OVIs)	Actual Performance of OVIs
<u>Overall Goal</u> Enough and safe water is supplied by enhancing groundwater development and capacity building through appropriate water supply technology	- National water coverage rate in the rural area is increased.	National rural water coverage rate increased from 15% (in 1998) to 23% in 2000.
	<ul> <li>Efficiency of water supply project in Regional governments is improved.</li> </ul>	From the report prepared by MoWR Planning and Project Department in July, 2002, regions stated that there is hitting rate improvement in all courses.
Project Purpose Regional Staff involved in the groundwater development and water supply program is developed with emphasis on gender and development.	i 280 regional staff required to the relevant training courses in groundwater development and water supply program are trained in the Addis Ababa Training Center by the end of the project term.	1 Until the end of July, the number of participants for the regular course is 259, and for the other courses is 66, totally 325 regional staffs have been trained, which include 31 participants for workshops. (Also, 40 participants will be expected in the following term of training courses in the Center)
	2 80% of participants graduate from each course every year	2 25 regular courses and 3 ad hoc short courses have been conducted (as shown in 3-4 and 3-5) and the average graduate rate is 100 %.
	3 80% of graduates' superiors assess that the course is contributing to the execution of their works.	3 According to the study conducted by MoWR, the regional water bureau and enterprises emphasized that the training done by the Center contributed to the execution of the work of graduates.
	4 80% of graduates assess that course is contributing to the execution of one's duties.	According to the evaluation report compiled by the Center, more than 80% of graduates assess that courses have been useful and contribute to the execution of their duties.
	5 Instructors asses that the course objective is achieved.	All Japanese Experts and Ethiopian counterparts evaluate that the courses have met their objective in the number of graduates and their achievement in the training.
	Staff of Regional governments are more often involved into water supply projects.	The regional water bureau and enterprises reply that graduates of the Center improve work performance that found in the report of analysis done by MoWR.
Output [A. Addis Ababa Training Center] Addis Ababa Training Canter is established, managed, operated and	1-1 Necessary Center staff at relevant posts are fully deployed by the end of 2001.	I-1 As of August 2002, 12 C/Ps, 4 Technical Assistant, 9 administrative and 10 drivers have been assigned as well as 23 Security Guards.
	1-2 Job description for each staff is clarified by March 2001.	1-2 Job description clarified for each staff during assignment at the Center.
	1-3 By-laws and rules of Center is developed by the end of 2001 and observed.	1-3 Internal Regulation for participants in the Center has been prepared since January 2001.
	Annual Operation Plan is made, reviewed, and executed by Ethiopian center staff by 2003.	1-4 The Center has been preparing annual plan since the Project started. After approval of annual plan by MoWR, the Center prepares action plan against which it undertakes monitoring activities.
	1-5 All the management, operation maintenance cost for the Center is born by MoWR by 2003	1-5 MoWR has increased its contribution as they promised. The expenditure for participants in the courses have met more than what is indicated in the cost sharing plan.
	1-6 Technology and knowledge are transferred from Japanese experts to Ethiopian staff by 2003	1-6 Transfer of technology and knowledge has been made between Japanese experts and Ethiopian staff. This effort has continued but not completed.





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3-5 Following ad hoc courses are executed. ☐ Water Supply Management

Equipment

Operation and Maintenance of Mechanical and Electric

(Term: Month: Also, year 2002 include one each regular courses as it planned.

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(As of Augsut 2002 Next ter

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2(3.3)

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2(3,2.5)

2(3,3)

2(2.2)

- \*\* Water Supply Management course was conducted and one seminar was held. Totally, 15 participants
- ☐ Electrical Maintenance Technology Training course was once executed as 10 participants. In addition, one more course will be conducted in 2002.
- ☐ Water Supply Engineering Training course was organised once for 10 participants. In addition, one more course will be conducted in 2002.

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	3-6	Gender and Development program is incorporated in the courses	3-6	10 lecture of partici	s have been incorporate pants is shown bellow. I	d in the training con addition, another	urses and one work serious of lectures	shop has been organi will be conducted in	sed, the numb 2002.
					GAD Workshop	LSĎ	GI	DMMT	1
					14	59(10)	38(10)	10(10)	1
						_	t 2002 : Next term)		
,	3-7	Level of participants is relevant to the level of the courses.	3-7	The level relevant of 100%.	of participants have bee qualification and/or work	n different slong er experience, which	ach course. However were evidenced the	er, for most of course; at the average gradual	s have met te rate has bee
[B. Model Areas ]  4 The training model of field activities is established and maintained.	4-1	Implementation plan of Model/Area activities is agreed between MoWR and Regional Government.	4-1	group as PA in Or 2001. Th	rea Selection Task Force ct, MoWR and Regional well as meeting with SNI omia region was selected ten second model area ac te Project.	governments. Acc NPR and Oromia F and MoWR forms	ording to the study legion to select suit ally approved and no	and discussion done : able Project site, Ebis pliced to Oromiva rea	in the Task for sa Lake Gidan sion in March
	4-2	Curricula and reaching materials are developed.	4-2	Curricula materials	and teaching materials h of the courses in GI, DT	ave been develope , DMMT, LSD and	ed, which have been I GAD courses resp	incorporated into the ectively.	e teaching
	4-3	Module of activities is developed and implemented	4-3	and least	nition and principle of the bility study in order to se station of model area acti	lect appropriate ter	lies were established chaology and to con	d. The Project condu sider the community	cted field stud participation
	4-4	Water supply facility is constructed, operated and maintained.	4-4	Required Officially	facilities for water suppl , this water supply projec	y have been constr ct was handed over	ucted and required to the community a	equipment installed b at April 2002.	by the Project.
	4-5	Community-based organisation is formed and plays expected roles in operation and maintenance of the water supply facilities.	4-5	Commun operation	ity-based water committe and maintenance of the	ee is formed. It is n water supply facili	of yet strong enoug lies.	h to play the expected	i roles in
5 Addis Ababa Training Center develops learning cycle to accumulate the experience in sustainable rural water	5-1	Field manuals are developed and utilised.	5-1	As of 4-2 courses in	, field materials have be acluding GAD program.	en developed and i	ncorporated into the	s teaching material of	all regular
supply development and management process.	5-2	Casa study reports on the Model Area activities are prepared.	5-2	Case stud Project.	y reports are not ready, b	ut the project has	planned to impleme	ent it in the remaining	period of the
	5-3	Concept, module and technique employed in the model program are summerised in the report.	5-3	evaluation	version of the Project D report will contain anal ect will be produced in N	ysis of model area	red by the Project in activities and in ten	n March 2002, additions of process both tec	onally the chnical and
	5-4	Workshop is held among the Center staff to develop conceptual framework and technique employed in the Model Area Activities.	5-4	Workshop	o is not yet organised but	t is planned to held	in November 2002		•

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Planned Activities	2. Planned Input	3. Actual Input
Planned Activities  A. Addis Ababa Training Center   1-1-1 Formulate the Training Center in the Ministry of Water Resources 1-1-2 Appoint Head, counterparts and administrative staff 1-1-3 Allocate necessary budget for the Center 2- Develop curricula for training courses/program 1-2-1 Establish curriculum task force group 1-2-2 Decide contents of the curriculum 1-2-3 Prepare training/learning materials 3 Improve facilities and equipment 1-3-1 Make the list of necessary equipment for training 1-3-2 Make the procurement plan 1-3-3 Procure equipment 1-3-4 Install equipment 1-3-5 Maintain equipment 1-3-6 Establish overall efficient storage system 4 Develop course/program instruction 1-4-1 Arrange two counterparts for each course/program 1-4-2 Arrange instructors for each courses 1-4-3 Execute courses in collaboration with Japanese experts 1-4-4 Manage courses by counterparts 5 Execute training courses 1-5-1 Make annual Operation plan of training courses 1-5-2 Print the General Information for training courses 1-5-3 Announce to the regional government 1-5-4 Carry out training courses 1-5-5 Evaluate courses 1-5-5 Evaluate courses  B. Model Areas   1-1 Formulate the implementation plan and procedure 2-2 Select site through social and technical are survey 2-3 Conduct field training in the courses/program 1-1-1 Implement construction work 1-2 Develop case studies concerning sustainability of rural 2-4 water supply scheme 1-5-6 Conduct monitoring and evaluation 1-5-7 Feed back outcomes from the activities to the Training 1-5-7 Center	Japanese Side   Provision of Personnel   Long-term experts   Chief advisor (60M/M)   Coordinator (60M/M)   Expert in groundwater development (60M/M)   Expert in drilling technology (60M/M)   Expert in mechanical engineering (60M/M)   Expert in regional/local social development (60M/M)   Expert in regional/local social development (60M/M)   Short-term experts (when necessary)   Provision of Equipment and Material   Equipment and material for the following fields   Groundwater Investigation Course   Drilling Technology Course   Drilling Machinery Maintenance Course   Local Social Development Course   General Use   Provision of Counterpart Training in Japan   two persons/year   Ethiopian Side   Provision of Personnel   Project Manager   Technical Advisor   Project Manager   Technical Advisor   Project Coordinator   Head of the Addis Ababa Training Center   Counterparts/Croundwater Investigation   Counterparts/Croundwater Investigation   Counterparts/Croundwater Investigation   Counterparts/Local Social Development   Counterparts/Lo	August 15, 20  3. Actual Input  Japanese Side [Provision of Personnel]  10 Long-term experts has been dispatched as shown in Annex 3-1 (2 Chief advisor as total 56M/M) (2 Coordinator as total 60M/M)) (2 Expert in groundwater development as total 60M/M) (1 Expert in regional/local social development as total 59M/M) (1 Expert in regional/local social development as total 59M/M) (1 Expert in wIID as total 29M/M) 7 Short-term expert has been dispatched as shown in Annex 3-1  [Provision of Equipment and Material]  Total amount for the project was 477,000,000 Japanese Yen (The amount for providing equipment was 375,000,000 Japanese Yen (The amount for running cost was 102,000,000 Japanese Yen) The list of equipment shown in Annex 3-2  [Provision of Counterpart Training in Japan]  Total 13 persons has been sent as shown in Annex 3-3  Ethiopian Side [Provision of Personnel] 14 Ethiopian Staff have been assigned as shown in Annex 3-4 (1) Project Manager) (1) Technical Advisor) (1) Technical Advisor) (1) Head of the Addis Ababa Training Center) (10 Counterparts/Course Coordinator)  46 Supporting Staff have been assigned as shown in Annex 3-4 (Administrative staff, secretary, accountant, cashier, driver, cleaner, guard, other necessary staff)  [Provision of Land, Building, and facilities] Land for Addis Abba Training Center Workshop in the center  Construction of Domitory in the Center (Under construction) 2 Rigs  Land for Model Area activities

#### List of Japanese Experts

	NAME	FIELD	PERIOD
LC	ONG-TERM EXPERTS		
1)	Tsuyoshi Kikuchi	Chief Advisor	27/07/2001~14/01/2003
2)	Mitsuyoshi Sagawa	Mechanical Engineering	25/02/1998~14/01/2003
3)	Masanobu Ninomiya	Local Social Development	15/02/1998~14/01/2003
4)	Takashi Suzuki	Drilling Technology	12/05/1999~14/01/2003
5)	Akino Kitazume	Gender and Development	16/08/2000~14/01/2003
6)	Atsusa Kikawada	Groundwater Investigation	15/01/2001~14/01/2003
7)	Kenichi Takeuchi	Coordinator	15/01/2001~14/01/2003
EX	PIRED LONG-TERM EXPERTS		
1)	Mitsuo Kinjo	Chief Advisor	04/03/1998~03/05/2001
2)	Shinichiro Hisada	Coordinator	25/02/1998~24/02/2001
3)	Haruhiko Nakamura	Groundwater Investigation	15/02/1998~12/02/2001
EX	PIRED SHORT TERM EXPERTS		
1)	Shinichi Yoshikawa	Drilling Technology	15/02/1998~16/05/1998
2)	Shinichi Yoshikawa	Drilling Technology	12/05/1999~11/07/1999
3)	Katsumi Sashida	Drilling Technology	10/12/1999~31/01/2000
4)	Yoshiki Ohmura	Rural Water Supply Management	25/02/2000~23/03/2000
5)	Masahiro Tamura	Electrical Maintenance Technology	04/04/2001~03/10/2001
6)	Yoichi Harada	Water Supply Engineering	20/01/2002~21/03/2002
7)	Hiroyasu Saito	Water Supply Management	02/03/2002~30/03/2002







Revised: JULY 2002 Description (Name of Production, Model) Amount Amount Quantity Place of Condition Condition Remarks Year (Yen) (Birr) Utility of Utility of (Store) Maintena nce Good OFFICE FURNITURE AND OTHERS 36,773.87 1 SET Kalitti Hight MAR. 1998 9-1 MAR. 1998 9-2 COMPUTER (AST-150) 14,000.00 | SET P.M. ditto ditto PRINTER (HP-5L) 3,950.00 1 PCE P.M. ditto ditto MAR. 1998 9-3 Р<u>.М.</u> 1,950.00 I PCE ditto ditto MAR. 1998 9-4 UPS (600VA) TELEPHONE HAND SET (SONY-SPP-97) MAR. 1998 9-5 2,200.00 2 SETS ditto Kalitti ditto 2PCS MAR. 1998 9-6 PHOTOCOPY (CANON-PC-740) 10,000.00 1 PCE P.M. ditto ditto 9,750.00 1 PCE P.M. ditto ditto FACSIMILE (CANON-B110) MAR. 1998 9-7 7,750.00 1 PCE 211,756.80 1 PCE Kalitti ditto ditto MAR. 1998 9-8 TYPEWRITER (OLYMPIA) AIR COMPRESSOR (ATLAS COPCO) ditto MAR. 1998 9-9 ditto lditto 180,984.92 1 PCE MAR. 1998 9-10 STATION WAGON (TOYOTA) ditto ditto ditto MAR. 1998 9-11 PICK-UP (TOYOTA) 118,795.99 1 PCE ditto ditto ditto TELEVISION (SONY 34") 18,690.00 1 PCE ditto ditto ditto MAR. 1998 9-12 3,195.00 1 PCE 10,956.00 1 PCE VIDEO RECORDER (SONY) ditto ditto ditto MAR. 1998 9-13 ditto MAR. 1998 9-14 VIDEO CAMERA (SONY) lditto ditto MAR. 1998 9-15 TV RACK 1,300.00 1 PCE ditto ditto ditto 9,500.00 1 PCE ditto ditto OVER HEAD PROJECTOR (OHP) ditto MAR. 1998 9-16 2,000.00 1 PCE ditto ditto ditto MAR. 1998 9-17 HARD CASE FOR OHP 3,250.00 1 PCE ditto ditto ditto MAR. 1998 9-18 TRIPOD SCREEN (175x175cm) 2,250.00 1 PCE MAR. 1998 9-19 lditta TRIPOD SCREEN (150x150cm) ditto ditto MAR. 1998 9-20 SLIDE PROJECTOR 7,075.00 1 PGE ditto ditto ditto SPARE HALOGEN LAMP FOR OHP 120.00 1 PCE ditto ditto ditto MAR. 1998 9-21 PHOTOCOPY (CANON) 132,500.00 1 PCE ditto ditto ditto MAR. 1998 9-22 18,000.00 1 PCE SORTER FOR PHOTOCOPY ditto ditto ditto MAR. 1998 9-23 1,000.00 1 PCE ditto ditto ditto MAR. 1998 9-24 TONER FOR PHOTOCOPY 0 807,747.58 Total

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Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity				Remarks
						Utility (Store)	of Utility	of Maintena	
İ	i					(Store)		nce	
Feb. 1998	10-1	O.H. FILM" OH-001 (A-4					<del>  -</del>	110,0	
1	1.7 .	100PCS/BOX)" PLUS	39,000		10 BOXES	Kalitti	Hight	Good	]
Feb. 1998	10-2	// (for INK-JECT 50pcs/BOX //	15,600		4 BOXES		ditto	ditto	
Feb. 1998	10-3	MOUSE "INTELLI MOUSE"	7,000		1 PCE	ditto	ditto	ditto	
Feb. 1998	10-4	PRINTER "PM-750C AC100V"						1	
	<del>- </del>	EPSON	43,000		1 SET	ditto	ditto	ditto	
Feb. 1998	10-5	INTERFACE CABLE "PRCEB4N"	1,500		1 PCE	ditto	ditto	ditto	
Feb. 1998	10-6	INK CARTRIDGE "MIICT BLACK "	5,600		5 PCS	ditto	ditto	ditto	
Feb. 1998	10-7	// "PMICIC COLOR" SOFTWARE "MS-OFFICE97 PRO."	6,750		5 PCS	ditto	ditto	ditto	
Feb. 1998 Feb. 1998	10-8 10 <b>-</b> 9	// "NORTON ANTI VIRUS 4.0.1"	58,000 7,500		1 PCE 1 PCE	ditto	ditto	ditto	
Feb. 1998		FLOPPY DISC (3.5") "2HD 10pcs/SET"	900		2 PCS	ditto ditto	ditto	ditto	
Feb. 1998		UNINTERRUPTED POWER SUPPLY	300		4 FCS	aitto	ditto	ditto	···
1 60. 1000	10 11	OMRON		]		ditto	ditto	ditto	
Feb. 1998	10-12	"BX-510 500VA"	25,000		1 PCE	ditto	ditto	ditto	
Feb. 1998		STABILIZED POWER SUPPLY							
	1	MATSUNAGA	26,000		1 PCE	ditto	ditto	ditto	
		SVC-1000ND AC170~260/100V 1KVA"				ditto	ditto	ditto	
Feb. 1998	10-14	DIGITAL CAMERA "DC210 Z00M"	.*						
	1	KODAK	65,000		1 PCE	ditto	ditto	ditto	
Feb. 1998	10-15	CONNECTION KIT for P/C "IFK-210W"					•		
<del> </del>	J	//	10,500			ditto		ditto	
Feb. 1998	10-16	A.C. ADAPTER 'AC-210' //	3,500				ditto	ditto	
Feb. 1998	10-17	CAMERA BAG "CB-210" //	1,300			ditto		ditto	
Feb. 1998	10-18	PICTURE CARD "KPC-4" //	40,000	<del></del>	4 PCS	ditto	ditto	ditto	
Feb. 1998	10-19	INK CARTRIDGE "BC-10" CANON	3,200		1 DCE	3:44	224	1	
Feb. 1998	10-20	// "BCI - 10" //	5,750				ditto ditto	ditto ditto	
Feb. 1998	10-21	// BC-11E" //	3,630					ditto	
Feb. 1998	10-22	// "BCI-11 BLACK" //	3,800					ditto	
Feb. 1998	10-23	// "BCI-11 COLOR" //	7,600					ditto	
Feb. 1998		BATTERY POTABLE KIT "NK-300"	9,830					ditto	
Feb. 1998		BATTERY "NB-300"	6,800		PCE			ditto	
Feb. 1998		FLOPPY DISC (3.5" 10pcs/SET)	1,500		SET	ditto	dítto	ditto	
Mar. 1998	10-27	PERSONAL COMPUTER WITH 17"							-
		DISPLAY FUJITSU	400,000	1	SET	ditto	ditto	ditto	
Маг.1998	10-28	"DESKPOWER FMVT53073 WORLD		ł				.	
		MODEL"	04.000					ditto	
1000		MEMORY MODULE "32MB"	24,000			· · · · · · · · · · · · · · · · · · ·		ditto	
Mar. 1998 Mar. 1998	10-29	SOFTWARE "MS-OFFICE 97 PRO PERSONAL COMPUTER "GATEWAY	65,000		PCE	litto	ditto	ditto	
Mar.1550	10-30	Solo2300 200LS"	319,000	1,	SET	ditto	ditto	ditto	
Mar.1998	10-31	CARRYING CASE	3,000					ditto	
Mar.1998	10-32	PERSONAL COMPUTER "GATEWAY	. 0,000		. I OL N	iii to	uicto i	ditto .	·
	"	Solo2300 200LS"	319,000	1	SET	litto	ditto	ditto	
Маг.1998	10-33	FAX/DATA MODEM CARD "PCMCIA				·			
	1 1	33.6bps"	20,000	li	PCE o	litto	ditto	litto	
Mar.1998		CARRYING CASE	3,000				ditto	litto	
Mar.1998		MOUSE "INTELLI MOUSE"	7,000	1	PCE o			litto	
Mar.1998		LASER PRINTER 'laserJet 6L AC100V"	49,000	[1	SET o	litto	ditto (	litto	
Mar.1998	10-37	TONNER CARTIRIDGE "C3906A"	· T				T	T	
	لحينيا	// :	35,000					litto	
Mar.1998		RAM CARD "4MB C3148A	21,000					litto	
Mar_1998		VITRONICS CABLE "C2951A (3M)"	3,500					litto	
Mar.1998		SOFTWARE "MS-OFFICE 97 Standard"	48,000				3 11 11 17	litto	
Mar. 1998	10-41	// "NORTON ANTI VIRUS 4. OJ"	7,500					itto	
Mar. 1998 Mar. 1998		FLOPPY DISC" (3.5") 2HD" (10PCS/SET)	900	2	SETS C	litto (	itto c	litto	
. 1996	10-43	FD DRIVE HEAD CLEANING DISC "NEEDS HC-35 WI"	350	. ],	PCE d	litto d	litta	litto	İ
		CD-ROM LENS CLEANER "CK-CDLI"	300		, CE	icto (C	litto (c	11110	
Mar 1009	110 44 )		680	·	PCE d	itto d	litto d	litto	İ
Mar.1998	] ]	PI PLUN							
		ELECON  CR-ROM CLEANING KIT "CK-CDI"	000	<del></del>				-	
Mar.1998 Mar.1998	10-45	CR-ROM CLEANING KIT "CK-CDI"							
	10-45	CR-ROM CLEANING KIT "CK-CDI"	990					litto	

Revised: JULY 2002 JP/No. | Description (Name of Production, Model) | Amount (Yen) | Amount (Birr) | Quantity Condition Condition Remarks Utility of Utility (Store) Maintena nce Маг.1998 10-47 AUTOMATIC VOLTAGE REGULATOR MATSUNAGA ditto "SVC-1000ND AC170 260/100V 1KVA" 2 PCS ditto ditto 52,000 TRANSFORMER SUGANO Mar 1998 10-48 "SE200 AC220 240/100V 2A"
UNINTERRUPTED POWER SUPPLY ditto 5,000 1 PCE ditto ditto Маг. 1998 10-49 NIHON-DENKL-SEIKI 54,000 1 PCE ditto ditto ditto "UPS PERSONAL OCO9 Mar. 1998 10-50 PERSONAL COMPUTER ditto ditto 198,000 1 SET ditto COMPAQ DESKPRO400 1 PCE MEMORY MODULE "16MB ditto 9,000 ditto lditto MODEM "56KBPS" M.O.DRIVE "MOS640PH" SCANNER "GT5500WINS (100V) 14,000 ditto ditto iditto Mar.1998 - 10-51 1 SET ditto ditto ditto 66,000 Mar.1998 10-52 dîtto ditto 40,000 1 SET ditto **EPSON** Mar.1998 10-53 17" MONITOR "MT8617E (100V)" ditto ditto 63,000 ditto <u>IIYAMA</u> 3,800 1 SET ditto ditto ditto Mar.1998 SPEAKER WITH MICROPHONE HP 1 SET ditto 223,000 ditto ditto PRINTER "DESKJET 694C Mar.1998 10-55 PRINTER CABLE FOR DESKJET 6940 ditto 2,000 1 PCE ditto ditto 10-56 Mar. 1998 Mar. 1998 UNINTERRUPTED POWER SUPPLY 10-57 ditto ditto ditto OMRON 1 PCE 26,000 ditto ditto ditto BX-510 100V/500VA SOFTWARE "MS-OFFICE 97 PRO 56,000 1 PCE ditto ditto ditto 10-58 Mar. 1998 "NETSCAPE COMMUNICATOR Mar. 1998 10-59 -// <u>win</u>" ditto ditto 1 PCE ditto 5,000 CANVAS FOR WIN' 46,800 1 PCE ditto ditto ditto Mar.1998 10-60 11 1 PCE ditto VISUAL BASIC 5.0 PRO FOR 69,000 ditto ditto Mar.1998 10-61 1 PCE ditto ditto NORTON ANTI VIRUS FOR 8,800 ditto Mar.1998 10-62 // "ADOBE PHOTO SHOP FOR
// "MAPINFO FOR WIN"
SCSI CABLE (M0 SCANNER) 1 PCE ditto 105,000 ditto ditto Mar. 1998 10-63 100,000 1 PCE ditto ditto ditto 10-64 Mar.1998 ditto 4,400 1 PCE ditto ditto Mar. 1998 10-65 AUTOMATIC VOLTAGE REGULATOR Mar. 1998 10-66 MATSUNAGA "SVC-1000ND AC170 260/100V 1KVA" INK CARTRIDGE "BLACK 0330230XJAII 48,000 2 PCS ditto ditto Маг. 1998 10-67 10 PCS. ditto ditto ditto 45,000 **FUJITSU** ditto "COLOR 0330240XJ II" 23,800 5 PCS. ditto ditto 10-68 FLOPPY DISC "MF2HD CLOPES/SET) Mar.1998 10-69 ditto 1,400 2 SETS ditto ditto MAXELL MO DISC "EDM-230CDF" Mar. 1998 10-70 ditto 10 PCS ditto 6,500 ditto SONY INK CARTRIDGE "BLACK 51629A" Mar.1998 10-71 2 PCS ditto ditto 6,120 ditto HΡ // CLOR 51649A" //
PERSONAL COMPUTER "GATEWAY 2 PCS ditto ditto ditto 6.460 10-72 Mar.1998 Mar.1998 10-73 ditto ditto 451,300 1 SET Solo2300 233XL "CUDI 12,600 1 PCE ditto ditto ditto CARRYING CASE Mar.1998 1 SET 40,300 ditto ditto Mar.1998 10-75 PRINTER BIC-80V NET SCAPE SOFTWARE Mar. 1998 10-76 1 PCE ditto ditto ditto COMMUNICATOR" 5,400 O.H.P. PAPER Q60HPA4N Mar. 1998 10-77 ditto 2 SETS ditto ditto 14,060 (50PCS/SET)" UNIVERSAL ADAPTER "AD-360U" 5,700 1 PCE ditto lditto Iditto Маг.1998 10-78 LIEPE87B 1,200 1 PCE ditto ditto ditto Mar.1998 | 10-79 | CABLE MAIN UNIT SET "STING RI JUL. 1998 10-80 ditto 160,000 1 SET ditto ditto S/N S72085144 ditto ELECTRIC CURRENT CABLE "400M" 172,000 4 PCS ditto ditto JUL. 1998 10-81 4 PCS ditto ditto ditto JUL. 1998 10-82 ELECTRIC POTENTIAL CABLE "400M 256,000 5 PCS ELECTRODE (STAINLESS) ditto ditto ditto 37,500 JUL 1998 10-83 HAMMER 2,000 ditto ditto ditto JUL. 1998 10-84 1.1KG 24,500 1 SET ditto ditto ditto TOOL SET (W/TESTER) JUL. 1998 10-85 "100M 18,000 2 PCS ditto ditto ditto 10-86 MEASURING TAPE JUL. 1998 ELECTRO MAGNETIC EXPLORAIN IUL. 1998 ditto ditto ditto INSTRUMENT APEX 6,090,000 1 SET ditto ditto ditto JUL. 1998 | 10-87 | MAXMINI-8 SET

Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of Utility (Store)	Condition of Utility	l .	
								nce	
		SET CONSISTING OF AS FOLLOWS:				ditto		ditto	
	<u> </u>	MAIN UNIT				ditto	ditto	ditto	
	ļ	S/N 8802				ditto		ditto	
	<del> </del>	(TRANSMITTER UNIT X1)				ditto	ditto	ditto	
		(REFERENCE COIL X1)				ditto	ditto	ditto	
	ļ	(EM RECEIVER UNIT X1)				ditto ditto	ditto ditto	ditto ditto	
	<del> </del>	STANDARD ACCESSORIE  (MMC DATA MODULE X1)	<u> </u>			ditto	ditto	ditto	
	<del></del>	(TRANSMITTER COIL CABLE X1)				ditto	ditto	ditto	
	<del> </del>	(RECEIVER UNIT CABLE X1)				ditto	ditto	ditto	
	<del> </del>	(BATTERY CHARGER X1)				ditto		ditto	
	┼──	(DRY BATTERY (4pcs.) X1)				ditto		ditto	
		(TECHNICAL MANUAL X2)				ditto	ditto	ditto	
	<del> </del>	STANDARD ACCESSORIE (SPARE)				ditto		ditto	
	<del> </del>	(TRANSMITTER COIL CABLE X1)				ditto		ditto	
ί,		(RECEIVER UNIT CABLE X1)				ditto		ditto	
<u>.</u>	T	(BATTERY CHARGER XI)				ditto		ditto	
		(DRY BATTERY (4pcs.) X2)				ditto		ditto	
JUL. 1998	10-88	REFERENCE CABLE "10M"	40,000		1 PCE	ditto		ditto	
	10-89	REFERENCE CABLE "20M"	48,000			ditto		ditto	
	10-90	REFERENCE CABLE "40M"	62,000		1 PCE	ditto	ditto	ditto	
JUL. 1998	·	SOFTWARE "EM134 PLUS" (MAXMINIPRO FOR WIN.95) S/N	470,000		1 PCE	ditto	ditto	ditto	
JUL. 1998	10-92	NOTE-BBOK TYPE PERSONAL COMPUTER "300CDS/2.1" (IBM	_	·					
JUL. 1998	10-93	CONVERTIBLE TYPE) S/N 38017649 MAIN UNIT "MS27" SOKKIA	350,000			ditto		ditto	
		S/N 28632	116,000			ditto		ditto	
JUL. 1998	10-94	ILLUMINATION SYSTEM "LA3"	54,000			ditto		ditto	<del></del> -
		W/TRANSFORMER				ditto		ditto	
		PARALLEL MOTION STAGE "TRA2"	67,000			ditto		ditto	
		SPARE FLUORESCENT LAMP "4W"	2,500			ditto		ditto	
	10-97	SPARE LAMP "1.5V"	1,500		5 PCS	ditto	ditto	ditto	
JUL. 1998	1.0-98	G.P.S RECEIVER "NAVDLX-10"	350,000	ļ.	2 SETS	4744.0	ditto	ditto	
		MAGELLAN S/N 1KO12001, 1KO12079 MULTI PARAMENTER SET SET CONSISTING OF AS FOLLOWS:	350,000		2 36 13	ditto	ditto	ano	· · · · · ·
JUL. 1998	10-99	MAIN UNIT "MP-TROLL8000"							
JUE. 1990	10-33	IN-SITU S/N 40145	520,000		1 SET	ditto	ditto	ditto	
JUL. 1998	10-100		90,000			ditto		ditto	
		COMMUNICATION/POWER-PACKAGE	20,000			ditto		ditto	
JOE: 1330		SPARE PARTS SET CONSISTING OF AS FOLLOWS	70,000		I SET				
JUL. 1998	10-102	(PH CALIBRATION KIT				ditto	ditto	ditto	
11.1 1000		XI) (ELECTRIC CONDUCTIBILITY	<del></del>			33660	unito	LILLO	
JUL. 1330	10-103	CALIBRATION KIT XI)	1	į	i.	ditto.	ditto	ditto	
JUL. 1998	10-104	(SPARE PH SENSOR						ditto	
IUL. 1998	10-105	X1) (SPARE CONDUCTIBILITY ELECTRIC				uitto	UILLY !	untto	
		SENSOR X1)				ditto	ditto	ditto	
JUL. 1998		ALTITUDE-METER "MM-1"	250 000	1.	SET		J:04.5	ditto	
		AMERICAN PAULIN S/K KL910 PERSONAL COMPUTER SET	350,000		I SEI	ditto	ditto	dirro	
		SET CONSISTING OF AS FOLLOWS;							
JUL. 1998	10-107	MAIN UNIT "GATERWAY 2000 GP6- 300" GATEWAY S/N 429105.	-				ŀ		
		W/21" SVGA COLOR DISPLAY S/N 2AABBD804025828	450,000		SET o	litto	ditto (	ditto	
JUL. 1998	10-108	U.P.S "SMARTUPS2200I 2.2KVA"   S/N GS9801084786	245,000		SET o	litto	ditto e	ditto	
-		PRINTER SET SET CONSISTING OF AS FOLLOWS:							
JUL. 1998		MAIN UNIT "BJC-4550"							
		CANON S/N BAP33635	90,000	li	SET C	litto	ditto d	litto	
UL. 1998		PRINTER CABLE "2M"	3,000		PCE d	litto	ditto c	litto	

Revised: JULY 2002 JP/No. Description (Name of Production, Model) Amount (Yen) Amount (Birr) Quantity Place of Condition Condition Remarks Utility of Utility of (Store) Maintena nce 30,000 10 PCS ditto ditto ditto 110 PCS 50,000 ditto ditto ditto JUL. 1998 | 10-113 | SOTWARE "MS-OFFICE PRO 1 PCE S/N 3134-0444943 80,000 ditto ditto ditto SOFTWARE CONTENTS AS | IUL. 1998 | 10-114 | "RESIXPLUS VERS" | IUL. 1998 | 10-115 | "SURFEWINDOWS" | IUL. 1998 | 10-116 | "AQUIFER TEST" | IUL. 1998 | 10-117 | "VISUAL MODFLOW S/N 4158 362,000 1 PCE ditto ditto ditto 106,000 1 PCE ditto S/N 27281 ditto ditto I PCE 148,000 ditto ditto ditto ditto PW+MT3D96+VISUAL GW\* 664,000 PCI ditto ditto JUL. 1998 10-118 "AQUACHEM" JUL. 1998 10-119 "SITEGIS+MAPINFO 1 PCE 105,000 ditto ditto ditto 515,000 ditto ditto ditto MEASURE TOOL
CONTENTS AS FOLLOWS:
"N20" MEASURE TOOL IUL. 1998 10-120 7,000 1 PCE ditto ditto ditto MITSUTOYO OUTSIDE MICROMETER YABW03-JUL. 1998 10-121 164,500 1 SET ditto M" NIHON SOKUTEI ditto "P01-M" JUL. 1998 INSIDE MICRIMETER 18,500 ditto ditto 1 SET ditto NIHON SOKUTEL "CC-160" JUL. 1998 10-123 CLYINDER GUAGE 35,700 1 PCE ditto ditto ditto TECHROCK STRAIGHT RULE "NO.13013" JUL. 1998 1 PCE ditto ditto ditto 300 SHINWA JUL. 1998 MEASUREING TAPE "NO-DEN19" 1 PCE ditto ditto 1,000 ditto **GENDOKI** JUL. 1998 THICKNESS GUAGE "NO-100MZ" ditto ditto ditto 5,300 1 PCE SAN-EI STRAIGHT EDGE "NO-140-500" JUL. 1998 7,700 1 PCE ditto ditto ditto OHNISHI "OS--148A-220" JUL. 1998 SQUARE ditto ditto 6,200 1 PCE ditto OHNISHI TORQUE WRENCH ~2800QL3-N JUL. 1998 ditto ditto 26,600 1 PCE ditto TOHNICHI 10-130 INFRARED THERMOMETER "THI-440N JUL. 1998 TASCO 68,000 PCE ditto ditto ditto JUL. 1998 10-131 TACHEOMETER 18,000 1 PCE ditto ditto di<u>tto</u> TECHROCK 10-132 HYDRAULIC TEST GUAGE "CT-3S IUL. 1998 61,000 PCE ditto ditto ditto TOYO-TECH "NO.156 JUL. 1998 10-133 SCREW PITCH GAUGE <u>2,5</u>00 ditto ditto PCE ditto FUJI-TOOL JUL. 1998 VACCUM TESTER BA2 ditto ditto 41,000 PCE ditto T0YO-TECH JUL. 1998 DC VOLT/AMPERE METER "EM-95B" ditto ditto ditto 7,700 PCE BANZAI 10-136 CIRCUIT TESTER "CT-100B" JUL. 1998 ditto ditto <u>OKUDA</u> 9,000 ditto TOOL SET W/CABNET SET JUL. 1998 JUL. 1998 1,221,000 ditto CABINET SET "WRS-305r MAEDA 3UNITS/SET (SIZ W686XD457457XH1488MM) SET CONSISTING OF AS FOLLOWS JUL. 1998 ditto ditto ditto JUL. 1998 | 10-137 | (LOW UNIT WR276 X1) JUL. 1998 | 10-138 | (MIDDLE UNIT WX262 X1) ditto ditto ditto ditto JUL. 1998 | 10-139 | (UPPER UNIT ditto ditto JUL. 1998 10-140 (SINGLE-OPEN SPANNER ditto ditto ditto JUL. 1998 | 10-141 | (DUAL-OPEN SPANNER JUL. 1998 | 10-142 | (ALEN WRENCH ditto ditto ditto X10) ditto ditto ditto JUL. 1998 | 10-143 | (DUAL-OPEN SPANNER <u>X3)</u> ditto lditto Iditto ditto JUL. 1998 | 10-144 | (WRENCH HOOK ditto lditto JUL. 1998 10-145 (WRENCH BOX ditto ditto ditto ditto ditto ditto 1998 10-146 (HALF-MOON WRENCH JUL. 1998 10-147 (BOX WRENCH X6) ditto ditto ditto JUL. 1998 | 10-148 | (ADJUSTABLE WRENCH ditto ditto <u>X4)</u> ditto ditto ditto JUL. 1998 [10-149] (FILTER WRENCH\_  $\chi_1)$ ditto

Revised: JULY 2002 JP/No. Description (Name of Production, Model) Amount (Yen) Amount (Birr) Quantity Place of Condition Condition Remarks Utility of Utility of (Store) Maintena nce ditto ditto ditto JUL. 1998 10-150 (SOCKET WRENCH X11) (EXTENSION-BAR FOR SOCKET JUL. 1998 10-151 ditto ditto ditto WRENCH X3) ditto ditto 10-152 (HANDLE ditto JUL. 1998 X6) JUL. 1998 10-153 (COMBINATION WRENCH ditto ditto ditto (IMPACT WRENCH-SOCKET JUL. 1998 10-154 ditto ditto ditto X21) (IMPACT WRENCH- SOCKET (DEEP) JUL. 1998 10-155 ditto ditto ditto (EXTENSION-BAR FOR IMPACT JUL. 1998 ditto WRENCH X2)
(WRENCH-SOCKET ADAPTOR ditto ditto JUL. 1998 ditto ditto ditto JUL. 1998 10-158 (PIPE-WRENCH L. ditto ditto ditto IUL. 1998 | 10-159 | (COMBINATION PRAYER | JUL. 1998 | 10-160 | (CUTTING PRAYER ditto ditto ditto X1) ditto ditto ditto ditto ditto JUL. 1998 10-161 (LONG-NOSE PRAYER ditto JUL. 1998 | 10-162 | (CUTTING DIAGONAL PRAYER ditto ditto ditto ditto ditto ditto JUL. 1998 | 10-163 | (WATER-PUMP PRAYER ditto ditto JUL. 1998 10-164 (BALL-PIN HUMMER X2) ditto ditto ditto ditto JUL. 1998 10-165 (TEST HUMMER JUL. 1998 | 10-166 | (SCREW DRIVER (-) ditto X4) ditta ditto JUL. 1998 10-167 (SCREW DRIVER (+) JUL. 1998 10-168 (SCREW DRIVE (BOX ditto ditto ditto ditto ditto ditto X3) 
 IUL.
 1998
 10-169
 (PLASTIC HUMMER

 IUL.
 1998
 10-170
 (COPPER HUMMER

 IUL.
 1998
 10-171
 (VICE-GLIP PRAYER

 JUL.
 1998
 10-172
 (SNAP PRAYER FOR RING SET
 ditto X2) ditto ditto ditto ditto iditto ditto ditto ditto ditto ditto ditto 
 JUL.
 1998
 10-173
 (CHISEL

 JUL.
 1998
 10-174
 (CENTER-PUNCH

 JUL.
 1998
 10-175
 (MEASURE 2M. 5.5M.
 ditto ditto ditto ditto ditto ditto ditto ditto X2) ditto ditto ditto JUL. 1998 | 10-176 | (NONIUS JUL. 1998 | 10-177 | (OILSTONE ditto X1, ditto ditto ditto | UL. 1998 | 10-178 | (FILE SET (5pcs/set) | UL. 1998 | 10-179 | (NEEDLE FILE SET | UL. 1998 | 10-180 | (OILER 180cc | UL. 1998 | 10-181 | (PRAY-BAR ditto ditto ditto X1) ditto ditto ditto <u>X1)</u> ditto ditto X1) ditto ditto ditto ditto X1) ditto JUL. 1998 10-182 (PINCH-BAR X1) ditto ditto ditto JUL. 1998 | 10-183 | (WIRE-BRUSH lditto Iditto IUL. 1998 10-184 (I-BOLT X4) ditto ditto ditto JUL. 1998 10-185 (SCRAPPER JUL. 1998 10-186 (UNIVERSAL SCISSORS ditto ditto ditto X1) ditto ditto ditto JUL. 1998 | 10-187 | (MAGNETIC FINGER JUL. 1998 | 10-188 | (STEEL-RULE X1) ditto ditto lditto ditto lditto ditto ditto ditto ditto JUL. 1998 | 10-189 | (BRASS BAR JUL. 1998 | 10-190 | (SOCKET WRENCH ditto X14) ditto ditto ditto ditto ditto JUL. 1998 | 10-191 | (POWER WRENCH X3) ditto ditto ditto X1) JUL. 1998 | 10-192 | (TAP/DIE SET (20/set) ditto ditto ditto JUL. 1998 10-193 (TAP/SET for PIPE X6) IUL. 1998 10-194 (AIR BREEDER WRENCH IUL. 1998 10-195 (SNAP-RING SET PRAYER ditto ditto ditto lditto ditto ditto OCT. 1998 10-196 GASKET SET ENG (1-87811078ditto ditto ditto 53,000 (9-82513928-9, OCT. 1998 10-197 PLUG; GLOW ditto ditto 12,000 ditto 9-82513928-<u>8</u>) 3:570 3,570 (8-94397310ditto ditto ditto OCT. 1998 10-198 THERMOSTAT ditto ditto ditto (8-94397311-OCT. 1998 10-199 THERMOSTAT OCT. 1998 10-200 HOSE; RUBBER, WA (8-94390400ditto ditto 3,500 ditto 0, 8-94394535-1) OCT. 1998 10-201 BELT; COOLING P OCT. 1998 10-202 NOZZLE; INJ ditto (1-13671194-8,480 ditto ditto 6 ditto ditto ditto (8-94390383-0) 28,200 (8-94394079-OCT. 1998 10-203 ELEMENT; FUEL F ditto 3,500 ditto ditto ditto ditto ditto (1-13240132-12,000 OCT, 1998 10-204 ELEMENT; OIL F1

Revised: JULY 2002

									Revised: J	ULY 2002
Үеаг	JP/No.	Description (Name of	Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of Utility (Store)	Condition of Utility	of Maintena	
				0.000			1144	174.4	nce	
		ELEMENT; OF F1	(1-87810372-1)	3,920		4	ditto	ditto	ditto	
		ELEMENT; OUTER 0)	(1-14215172-	30,000		2	dîtto	ditto	ditto	-
OCT. 1998	10-207	HOSE: WATER, RAD 0, 1-21437560-0)	(1-21437676-	4,860		1	ditto	ditto	ditto	
OCT. 1998	10-208	HOSE; WATER, RA 0, 1-21437450-0)	(1-21437675-	5,000		1	ditto	ditto	ditto	
OCT. 1998	10-209	ELEMENT; FUEL F 0, 1-13240192-0)	(1-13240194-	1,500		1	ditto	ditto	ditto	
OCT 1998	10-210	DISC, CLUTCH	(1-31240661-0)	3,000		1	ditto	ditto	ditto	
		LINING SET; PRT	(1-88302996-0)	20,000		1	ditto	ditto	ditto	
		LINING SET; PRT	(1-88302996-0)	36,000		2	ditto	ditto	ditto	
		CUP SET; FRT; WH	(1~87830560-	6,520		4	ditto	ditto	ditto	
		CUP SET; RR WHE	(1-87830562-	8,000		2	ditto	ditto	ditto	
		CUP SET; RR WHE	(1-87830645-	10,000		2	ditto	ditto	ditto	ļ
OCT. 1998	10-216	SHOE; PARKING B	(1-46220024-	11,000		2	ditto	ditto	ditto	ļ
OCT. 1998	10-217	KING PIN SET	(1-87830716-0)	2,000		1	ditto	ditto	ditto	
		KING PIN SET	(1-87830717-0)	3,000		1	ditto	ditto	dîtto	
OCT. 1998	10-219	BEARING; HUB OU	(1-09812049-	10,900		2	ditto	ditto	ditto	
OCT 1000	10 220	CEAL OIL HUB O	(1-09625331-0)			2	ditto	ditto	ditto	
		SEAL; OIL, HUB O BEARING; HUB IN	(9-00093161-	1,010			0,110			
001.1996	10 221	0, 1-09812044-0)	(0 00000101	18,000		2	ditto	ditto	ditto	i
OCT 1998	10-222	SEAL; OIL, RR HU	(1-09625569-0)	2,340		2	ditto	ditto	ditto	
		BEARING; HUB OU	(1-09812065-							
		0)		10,700		2	ditto	ditto	ditto	
OCT, 1998	10-224	BEARING: HUB IN	(9-00093205-	50,800		2	ditto	ditto	ditto	
OCT. 1998	10-225	SEAL; OIL, FRT H	(1-09625568-0)	1,460		2	ditto	ditto	ditto	
OCT. 1998	10-226	SEALED BEAM; HE	(1-82113015-	10,000		2	ditto	ditto	ditto	
OCT. 1998	10-227	SEALED BEAM; HE	(1-82113016-	10,000		2	ditto	ditto	ditto	
OCT. 1998	10-228	BULB; FRT TURN	(1-82194036-	5,000		10	ditto	ditto	ditto	
		BULB; MARKER LA	(8-94135397-	3,000		10	ditto	ditto	ditto	
OCT 1998	10-230	BULB: 10W	(1-82194037-0)	5,400		10	ditto	ditto	ditto	
		BULB; 24V 21W	(8-94125956-0)	4,000		10	ditto	ditto	ditto	
OCT 1998	10-232	BULB; 24V 21/5W	(8-94125957-0)	3,600		10	ditto		ditto	
		FUSE UNIT; FUSE	(8-94468662-0)	6,000		10	ditto		ditto	
		FUSE: 60A	(8-94468669-0)	4,000		10	ditto		ditto	
OCT. 1998	10-235	BLADE; WIPER	(1-86810019-0)	9,640		2	ditto		ditto	
OCT. 1998	10-236	BLADE; WIPER	(1-86810020-0)	6,000		2	ditto		ditto	
OCT. 1998	10-237	THERMOSTAT	(1-13770044-	18,800		2.	ditto		ditto	
OCT. 1998	10-238	BELT; COOLING P	(1-13671400-	7,060	<del></del>	1	ditto		ditto	
OCT. 1998	10-239	NOZZLE; INJ	(1-15311180-0)	47,000	<del>- •</del>	10.	ditto		ditto ditto	
OCT. 1998	10-240	ELEMENT KIT; FU	(1-87810976-	14,400		6	ditto ditto		ditto	
		ELEMENT; OIL FI	(1-13240211-0) (1-13240205-0)		-	12	ditto		ditto	
OCT. 1998 OCT. 1998	10-242 10-243	ELEMENT; OIL FI HOSE; WATER. RAD	(1-21437489-			•				
OCT, 1998	10-244	1) HOSE; WATER, RA	(1-21437489-	6,200		1	ditto	ditto	ditto	
		1)		3,500	·	1	ditto		ditto	
OCT. 1998	10-245	FILTER; ACL, INN	(1-14215089-1)			6 ·	ditto		ditto	
OCT. 1998	10-246	FILTER; ACL, INN	(1-14215184-1)			6	ditto		ditto	
OCT. 1998	10-247	DISC, CLUTCH	(1-31240700-0)			1	ditto		ditto	
OCT. 1998	10-248	LINING SET; FRT	(1-88310345-0)			1	ditto		ditto	
OCT. 1998	10-249	CUP SET; RR WHE	(1-87830525-	1,550		1	ditto		ditto	
		LINING SET; RR	(1-88310347-0)	30,000		1			ditto ditto	
OCT. 1998	10-251	LINING SET, RR	(1-88302994-0)	17,000		1			ditto	
OCT. 1998	10-252	CUP SET; RR WHE	(1-87830528-	1,630	<del></del>	2			ditto	
		SHOE; PARKING B BEARING; HUB OU	(1-46220022- (1-09812085-	9,000						
		0)		40,000		2	ditto		ditto ditto	
OCT. 1998	10-255	BEARING; HUB IN	(1-09812143-	40,000		2	ditto		ditto	
OCT. 1998	10-256	SEAL; OIL, FRT H	(1-09625041-0).	2,600		4	ditto	ditto	uittu	

		List of Maci	ninery and Equ	ibmenr (Jai	panese mse	Jai i ea.	1330	55)	Revised: J	1.11 V 2002
Year	JP/No.	Description (Name o	of Production Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition		
Year	JP/ NO.	Description (Name C	ir Froudction, Model	/Amount (1 en/	/ inodite (Bill)	Qualitity	Utility	of Utility	of	Trumum, in
	ŀ						(Store)	0. 0,	Maintena	
1							,	l	nce	
OCT, 1998	10-257	BEARING; HUB OU	(1-09812079-							
1	1	0)		33,000		2	ditto	ditto	ditto	
OCT. 1998	10-258	SEAL: OIL, HUB O	(1-09625444-0)	3,500			ditto	ditto	ditto	
OCT. 1998	10-259	BEARING: HUB IN	(1-09812077-	51,000		2	ditto	ditto	ditto	
		SEAL; OIL, HUB I	(1-09625350-0)	3,260		2	ditto	ditto	ditto	
OCT. 1998	10-261	LAMP ASM, HEAD	(1-82110256-	15.000		,	274.4	15.4	37	
0.000	10000	2)	/1 001100E3	15,000		<u>+</u>	ditto	ditto	ditto	
OC1. 1998	10-262	LAMP ASM, HEAD	(1-82110257-	15,000		1	ditto	ditto	ditto	
OCT 1000	10-262	BULB; FOG LAMP	(1-82194079-	22,000			ditto	ditto	ditto	
		BLUB; LOW	(1-82194037-0)	3,400			ditto	ditto	ditto	
		BULB, FRT TURN	(1-82194036-	2,100			ditto	ditto	ditto	
OCT. 1998	10-266	BULB, TALL & STO	(1-82194038-	2,700		10	ditto	ditto	ditto	
OCT, 1998			(8-94468669-0)	1,600			ditto	ditto	ditto	
OCT. 1998	10-268	BLADE; WIPER	(1-83315049-0)	15,000			ditto	ditto	ditto	
		BLADE; WIPER	(1-86810029-0)	8,700		3	ditto ·	ditto	ditto	· ·
OCT. 1998	10-270		(366-526-75010,	0.010		, 1	dista	ditto	ditto	
0.07	10.001	530-635-51010)	/200 ED7 15040\	2,310				ditto ditto	ditto ditto	
OCT. 1998			(366-507-15040) (366-507-15050)	3,040 3,040					ditto	
OCT. 1998 OCT. 1998			(366-708-60000	32,320					ditto	
OCT. 1998			(531-560-05010)	4,960					ditto	
		PACKING SET	(531-560-05020)						ditto	
OCT. 1998			(361-003-65020)	1,080		2	ditto	ditto	ditto	
OCT. 1998			(910-028-01800)	• 700					ditto	
OCT. 1998			(910-028-01400)	700					ditto	
OCT. 1998	10-279		(370-024-43600)	14,520					ditto	
OCT. 1998			(370-024-49140)	. 10,220					ditto ditto	
OCT. 1998	10-281		(370-025-11010)	5,321 15,328					ditto	
OCT. 1998	10-282	SLIP RING & BRUSH	(316-308- (915-312-09000)	3,460					ditto	
OCT. 1998			(913-312-09000)	- 7,560					ditto	
OCT. 1998			(370-024-60490)	7,560		·			ditto	
OCT. 1998			(370-024-60500)	-7,310		1	ditto	ditto	ditto	
OCT. 1998	10-287		(910-028-01400)	700		10	ditto		ditto	
OCT. 1998		O-RING	(910-028-01800)	350					ditto	
OCT. 1998			(370-024-57660)	5,039					ditto	
OCT. 1998			(370-024-57690)	17,222					ditto ditto	
OCT, 1998			(370-025-01990)	· 580 · 300					ditto	
OCT. 1998			(910-028-00800) (910-028-01400)	- 300 700					ditto	
OCT. 1998 OCT. 1998			(910-028-01400)	350	<del></del>				ditto	
OCT. 1998			(910-028-01100)	· 350					ditto	
OCT. 1998			(910-028-02400)	100	·				ditto	
OCT. 1998			(370-024-14100)	10,960					ditto	
OCT. 1998	10-298	O-RING	(910-028-01100)-	700		10	ditto	ditto	ditto	
OCT. 1998	10-299	PACKING KIT .	(360-342-39900,		į	.	, I		J:44 -	ł
		360-306-39910)	7010 000	32,200					ditto	
OCT. 1998			(313-220-50510)	840					ditto :	
OCT. 1998	10-301	SEAL OIL	(912-160-60001)	4,980 30,000					ditto	
		PACKING KIT	(360-250-79900) (360-250-89900,	30,000		<del>*                                    </del>	4,110	5,000		
OCT. 1998	10-303	PACKING KIT 360-250-79900)	(300-230-03300,	30,000	1	1	ditto	ditto	ditto	
OCT. 1998	10-204		(912-160-70001)	. 3,160					ditto	
OCT. 1998			(912-160-35001)	. 940		-,			ditto	
OCT. 1998			360-706-05090)	2,640					ditto	
OCT. 1998		91.11	360-706-05060)	370					ditto	]
OCT. 1998			(360-902-79530)	4,960					ditto	
OCT. 1998	10-309	PIN SPLIT	(801-363-63040)	200		5 (	ditto	ditto	ditto	
OCT. 1998	10-310	CLIP (	831-514-11000 831-			.	<u>,,,                                   </u>			-
{I		514-11002)		1,060					ditto	
		SHEAVE ASSY	(370-010-	5,850					ditto	
OCT. 1998			(313-712-22000)	· 2,490			<del></del>		ditto ditto	
		SWITCH ASSY	(313-712-	6,390 5,620					ditto	<del></del> †
OCT. 1998			(136-151-01010)	440					ditto	
OCT. 1998	10-315	O-KING	(124-133-05460)	1017		<u> </u>		l'		

Revised: ILLY 2002

		•						Revised: ]	
Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition	Condition	Remarks
1 007	3. ,		1			Utility	of Utility	of	
						(Store)	}	Maintena	
							<u> </u>	nce	
OCT. 1998	10~316	O-RING (910-012-12000)	390		1	ditto	ditto	ditto	
OCT. 1998			3,000		1	ditto	ditto	ditto	
OCT. 1998		30 12 23	330		1	ditto	ditto	ditto	
OCT. 1998			310		1	dîtto	ditto	ditto	
OCT. 1998			340		l	ditto	ditto	ditto	
OCT. 1998			7,170		1	ditto	ditto	ditto	
OCT. 1998			120		1	ditto	ditto	ditto	
OCT. 1998		7.33.7	400	-	l	ditto	ditto	ditto	
OCT. 1998	10-323		210		3	ditto	ditto	ditto	
OCT. 1998	10-324	O-RING (910-010-01000)	70		1	ditto	ditto	ditto	
OCT. 1998 OCT. 1998	10-323	O-RING (910-028-03400)	130		1	ditto	ditto	ditto	
OCT. 1998	10-320		1,300		1	ditto	ditto	ditto	
OCT. 1998	10 327		310		1	ditto	ditto	ditto	
			120		1	ditto	ditto	ditto	
OCT. 1998			130		1	ditto	ditto	ditto	
OCT. 1998	10-330	O-RING (910-013-01600)	60		1	ditto	ditto	ditto	
OCT. 1998.	10-331	O-RING (910-028-01000)	120		1	ditto	ditto	ditto	
		RING BACK-UP (914-100-	120		1	ditto	ditto	ditto	
OCT. 1998	10-333	O-RING (910-012-03500)	70		1	ditto	ditto	ditto	
OCT. 1998	10-334	O-RING (910-028-01600)	70		1	ditto	ditto	ditto	
OCT. 1998			120		2	ditto	ditto	ditto	
OCT. 1998					4		ditto	ditto	
OCT. 1998			280		2	ditto ditto	ditto	ditto	
OCT. 1998			120		2	ditto	ditto	ditto	
OCT. 1998			7,100		2	ditto	ditto	ditto	
OCT. 1998	10~340	KNOB (313-505-50560)	840		1	ditto	ditto	ditto	
OCT. 1998	10-341	SWITCH (316-505-30100)	1,650		1	ditto	ditto	ditto	
		Truck-mount Waterwell Drilling Machine	42 430 000		1	ditto	ditto	ditto	
NOV. 1998		T300M Rotadrill-Truck-mount Rig	47,430,000		1		ditto	ditto	
NOV. 1998		Specifications:			<del></del>	ditto	aitto	untro	
NOV. 1998	1	Power Swivel: Hydraulic driven Power				ـ د د د د	ما دها	ditto	1
		Swivel	<u> </u>			ditto	ditto	ditto	
NOV. 1998		RPM: 0-75rpm Low Speed	ļ			ditto	ditto	ditto	
NOV. 1998		RPH: 0-150rpm High Speed	ļ			ditto	ditto ditto	ditto	~
NOV. 1998		Max Torque: 1000kg-m				ditto			
NOV. 1998		Loading Capacity: 8100kg	ļ <u> </u>	<u> </u>		ditto	ditto	ditto ditto	
NOV. 1998		Pulldown: Hydrulic Cylinder, Roller Chain				ditto	ditto	ditto	
NOV. 1998		Wireope etc.	<u> </u>			ditto	ditto	ditto	
NOV. 1998		Max. Balance : 8100kg		L	<u>.                                    </u>	ditto	ditto	ditto	
NOV. 1998		Max Bit Pressure : 5400kg		ļ		ditto	ditto	ditto	
NOV. 1998		Feed Length : 7.16M				ditto	ditto	ditto	
NOV. 1998		Mast: Square Steel Pipe, Welded				ditto	ditto		
NOV. 1998		Double-Cylinder Raising system				ditto	ditto	ditto ditto	
NOV. 1998		Loading Capacity: 15000kg				ditto	ditto		
NOV. 1998		Height: 9.6M form gorund level	ļ	ļ. <u> </u>		ditto	ditto	ditto	
NOV. 1998		Hoist: Hydraulic Motro-driven Single Drur	n			ditto	ditto	ditto	
NOV. 1998		Hoist Capacity: 3400kg (Single Wire)	-			ditto	ditto	ditto	
NOV. 1998		Spooling Capacity: 100M by 14mm wire				عدداد	ـ د داد	ditto	1
		rope				ditto			
NOV. 1998		Sandline: Hydraulic Motor-driven	<del> </del> -	<u> </u>		ditto	ditto	ditto	
NOV. 1998		Hoist Capacity: 750kg				ditto	ditto	ditto	
NOV. 1998		Spooling Capacity: 270M by 9mm wire					<b>]</b> ,,	1*	1
	l	rope				ditto	ditto	ditto	
NOV. 1998	Γ	Leveling Jack: Hyd. Jack Front x.2,					l.,		
	.	Rear x 2	<u> </u>			ditto	ditto	ditto	
NOV. 1998		Break-out System: Hydraulic Break-out			!		l		1
		system				ditto	ditto	ditto	
NOV. 1998	1	Control Gauges at the Control Console				ditto	ditto	ditto	
NOV. 1998		Mud pump: Duplex Piston Pump				ditto	ditto	ditto	
NOV. 1998		Hydraulic driven Truck-mount type	1			ditto	ditto	ditto	
NOV. 1998		Max, Output: 750 L/min.				ditto	ditto	ditto	
		Max. Pressure: 15-21kg/cm2		·		ditto	ditto	ditto	
NOV. 1998			<del> </del>			ditto	ditto	ditto	
NOV. 1998		Injection Pump	<del> </del>	<del> </del>		ditto	ditto	ditto	
NOV. 1998		Output Volume: 34L/min,	+			ditto	ditto	ditto	
NOV. 1998		Pressure : 28kg/cm2	+			ditto		ditto	
NOV. 1998		Night Lighting: Truck Engine PTO type						ditto	<del></del>
NOV. 1998	1	Truck: Heavy Duty Diesel Engine	<u> </u>	L	<u> </u>	ditto	ditto	uitio	

Ye	ar	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of		Revised: J Condition	
			•				Utility (Store)	of Utility	Maintena	
	1000	<del></del>					****	<del>                                      </del>	nce	
NOV.			Left-side Steering Wheel 4x4	<del> </del>		<u> </u>	ditto ditto	ditto	ditto -	
NOV.			G.V.W. 15,000kg approx.  Wheel Base Length: 5000mm approx.				ditto	ditto	ditto	
NOV.			Engine: Water-cooled Diesel Engine				ditto	ditto	ditto	
NOV.		<del></del>	Max Output: 250 PS				ditto	ditto	ditto	
NOV.			Spare Parts (Details as per attached sheet)				uicto	unco	GILLO	
1401.	1330		Break-Down of T300M Rotadrill Spare		•					
NOV.	1998	10-343	Cylinder Kit 4-1/2"x2-1/2" 3030-							
			0214	32,400		Ι.	ditto	ditto	ditto	
NOV.	1998	10-344	Guide Roller Assy 2-1/4" 0465-							
			0105	101,200		4	ditto	ditto	ditto	
			Cylinder Kit 2x1 3030-0237	20,000		1	ditto	ditto	ditto	
NOV.	1998	10-346	"O" Ring .070x6.52 2764-							
			0150	2,600			ditto	ditto	ditto	
NOV.	1998	10-347	Pinion Input 0038-0005	77,000		1	ditto	ditto	ditto	
NOV.	1998	10-348	Cylinder Kit 3x1.5 3030-0043	15,300		1	ditto	ditto	ditto	
NUV.	1998	10-349	Sealed Bean Lamp 2103-	10,600		2	ditto	ditto	ditto	
NOV	1900	10-250	0054 Safety Cable 1-1/2" to 3" 0045-	10,000		4	uiteU	OIL LO	unitio )	·····
NUV.	סמפו	10-220	0019 Safety Cable 1-1/2 to 3 0045-	10,900		2	ditto	ditto	ditto	
NOV	1998	10-351	Service Kit 3030-0252	48,000					ditto	· <del></del>
		10-352		16,100					ditto	
			Air Spindle Breather 2298-0005	4,590					ditto	<del> </del>
			Oil Level Sight Gauge 0598-	23,000		1			ditto	
			Flow Control Valve 2261-0013	53,700		1	ditto	ditto	ditto	
NOV.	1998	10-356	Gauge 2065-0056	50,400					ditto	
NOV.	1998	10-357	Service Kit 3030=0190	40,000					ditto	
NOV.	1998	10-358	Relef Valve 2767-0073	67,600					ditto	
NOV.	1998	10-359	Switch - 0049-0025	34,500					ditto	
			Level Switch - 0049-0027	7,200					ditto	
		10-361		. 1,200					ditto	
NOV.	1998	10-362	Lock Wire Assy 1153-0224	28,000 8,100					ditto ditto	
NOV.	1998	10-363	Lamp Assy 2103-0055	700					ditto	
		10-364	Bulb         2103-0006           Level Indicator         2525-0008	12,100					ditto	
NOV.	1000	10-365	Check Valve . 2250-0010	30,000					ditto	·
NOV.	100R	10-367	Section Valve 2259-0060	23,600					ditto	
			Releaf Valve 2767-0059	19,400					ditto	
			Check Valve : 2250-0067	14,800					ditto	
NOV.	1998	10-370	Releaf Valve 5000-8751	19,200				ditto	ditto	
			Section Valve 2259-0061	23,000		1	litto	ditto	ditto	
VOV.	1998	10-372	"O" Ring 2764-0079	200		2	ditto	ditto	ditto	
VOV.	1998	10-373	Section Valve 2259-0064	41,800					ditto	
			Check Valve Spring 5000-	110					ditto	
VOV.	1998	10-375	Level Kit V 2916-0110	15,600					ditto	
			Hydraulic Regular 2253-0040	25,400				11.	ditto	
			Level Kit 450 2916-0111	14,400					ditto	
			Filter Element 2295-0036	49,200					ditto	
			Bent Breather 2298-0004	2,900					ditto	
			Air Filter Element 5001-1043	16,300					ditto	· ··· -
VOV.	1998	10-381	Maintenance Kit 5001-1044	8,900			ditto	ditto	ditto	
VUV.	1998		Tri-Cone Bit 14-3/4" S. 6-5/8" Reg(P)	351,000	-	, 1.	ditto d	ditto	ditto	
1001	1000	0.000	conn Tri-Cone Bit 12-1/4" S. 6-5/8" Reg(P)	337,000			11110	4,550		
NUV.	ווספבו			201,000	• • •	, ],	litto	ditto	ditto	
inv/	1000	0-204	conn Tri-Cone Bit 10-5/8" MS, 6-5/8"Reg(P)	201,000		· '				
۱UV.	12201		conn	163,000	. :	، ا	litto	ditto	ditto	
iov.	1992 1	0-385	Tri-Cone Bit 9-5/8" MS, 6-5/8" Reg(p)	100,000				<del></del>		
٠, v.	12301		conn	1,168,000	l:	2	litto	ditto d	ditto	
NOV.	1998 1		Tri-Cone Bit 8-1/2" MS. 4-1/2" Reg (P)	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			· ·	· · · · · · · · · · · · · · · · · · ·		
, O F .	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		conn	864,000		: la	litto	ditto	litto	
NOV.	1998 1		DTH Hammer Bit Button type 9-5/8"	226,800					itto	
			DTH Hammer Bit Button type 5 3/2"	164,000					litto	
			Down-the-Hall Hammer Model SD-8	1,080,000					litto	
<u>~</u>			O.D. 172mm for 7-5/8-11" drilling					litto (	irtto	
			Operating Pressure: 10-24kg/cm2		- 1		litto d	litto [	litto	

Revised: JULY 2002 Description (Name of Production, Model) Amount (Yen) Amount (Birr) Quantity Condition Condition Remarks Place of JP/No. Year Utility of Utility of (Store) Maintena nce NOV. 1998 10-390 Drilling Pipe 4-3/4" F.J.x6M, 3-1/2" API 25 ditto 1,662,500 ditto ditto IF w/Protect 10-391 Drilling Pipe 4-3/4" F.J.x1.5M, 3-1/2" NOV. 1998 ditto 130,000 ditto ditto API IF w/Protect 10-392 Drill Collar 6-3/4"ODx3M 4"API IF Box 222,000 ditto ditto ditto NOV. 1998 NOV. 1998 10-393 Cross-over Sub 3-1/2" IF(B) x4"IF(P) ditto 55,000 ditto ditto NOV. 1998 10-394 Hammer Sub, 3-1/2" IF(b)x 4-1/2"Reg(B) NOV. 1998 10-395 Bit Sub, 4"IF(B) x 4-1/2"Reg (B) 55,000 ditto ditto ditto ditto 110,000 ditto ditto 142,000 ditto ditto ditto 1998 10-396 Bit Sub. 4"IF(B) x 6-5/8"Reg (B) 228,000 ditto ditto ditto NOV. 1998 10-397 | Hoisting Swivel for 4-3/4" Drill Pipe ditto NOV. 1998 10-398 Lifting Plug for 6-3/4" Drill Collar 89,000 ditto ditto ditto ditto 243,000 ditto 1998 10-399 Dumper 4-3/4 INOV. NOV. 1998 10-400 Break-Out-Tong for 4-3/4" Drill Pipe NOV. 1998 10-401 Break-Out-Tong for 6-3/4" Drill Collar 323.000 ditto ditto ditto ditto 454,000 ditto ditto 1998 10-402 Back-up Wrench for 4-3/4" Drill Pipe 92,000 ditto ditto ditto NOV. NOV. 1998 10-403 Back-up Wrench for 6-3/4" Drill Collar NOV. 1998 10-404 Bit Breaker for 14-3/4" Bit ditto ditto ditto 111,000 62,000 ditto ditto ditto 40,000 ditto ditto ditto 1998 10-405 Bit Breaker for 12-1/4" Bit NOV. ditto ditto 40,000 ditto NOV. 1998 10-406 Bit Breaker for 10-5/8" ditto 1998 10-407 Bit Breaker for 9-5/8" Bit 40,000 ditto ditto NOV. ditto ditto ditto 40,000 1998 10-408 Bit Breaker for 8-1/2" Bit NOV ditto ditto NOV. 1998 10-409 Travelling Block I wheel 10 ton 49,000 lditto ditto 1998 10-410 Drill Pipe Trolley & Handling Cap 222,000 ditto ditto NOV. 1998 10-411 High Pressure Delivery Hose 50mmx6M 164,000 ditto ditto ditto NOV. 119,000 ditto ditto lditto NOV. 1998 10-412 High Pressure Air Hose 2 NOV. 1998 10-413 Suction Hose w/Filling 100mm x 9M 180,000 ditto ditto ditto 18,000 ditto ditto ditto NOV. 1998 10-414 Foot valve with Fitting 100mm NOV. 1998 10-415 High-Pressure Return Mixing Hose 50MM ditto ditto 82,000 ditto x 6M ditto 65,000 ditto ditto NOV. 1998 10-416 Jet Hopper Mixer Hoisting Wire Rope W/Safety Clevis NOV. 1998 10-417 60,000 ditto ditto ditto 14MMx50M 31,000 ditto ditto ditto 1998 10-418 Sandling Wire 9mm x 200m NOV. 1998 10-419 Dart valve Beiler for 6-5/8" Casing & Fiat 148,500 ditto ditto ditto Valve NOV. 1998 10-420 Casing Elevator w/Link for 6-5/8" API ditt<u>o</u> ditto ditto 1,390,000 Casing ditto 12 ditto ditto 1998 10-421 Casing Elevator w/Link for 4" PVC Pipe 1,310,000 NOV. ditto NOV. 1998 10-422 Elevator Ring (2 pcs set) 236,000 l ditto lditto NOV. 1998 10-423 Casing Band for 6-5/8" API Casing NOV. 1998 10-424 Casing Band for 10" Conductor Pipe NOV. 1998 10-425 Casing Band for 12" Conductor Pipe ditto 174,000 ditto lditto 240,000 ditto ditto lditto 288,000 ditto ditto ditto ditto 250,000 10 ditto ditto NOV. 1998 10-426 Casing Centralizer for 4"PVC Pipe x8-NOV. 1998 10-427 Casing Centralizer for 6-5/8" casing x 9ditto ditto 270,000 10 ditto 5/8" 1998 10-428 Casing Swivel 6-5/8" API(P)x3-1/2" IF(B) 1998 10-429 Inside Tap for 4-3/4" Drill Pipe ditto 72,000 ditto ditto 126,000 ditto ditto ditto NOV. ditto ditto ditto 126,000 1998 10-430 Outside Tap for 4-3/4" Drill Pipe NOV ditto ditto ditto 1998 10-431 Fishing Magnet 92,000 NOV. 1998 10-432 Band for 4-3/4" Drill Pipe ditto 188,000 ditto ditto NOV. 2 ditto 1998 10-433 Hydraulic Jack Manual type (50ton) 360,000 lditto ditto NOV. 1998 10-434 Knocking Block for 4-3/4" Drill Pipe ditto ditto ditto 101,000 NOV. ditto ditto ditto 1998 10-435 Drive Hammer 150kg for 4-3/4" Drill Pipe 101,000 Conductor Pipe 10"STPG Sch 40. 5.5M NOV. 1998 10-436 ditto ditto ditto 87,000 w/Sleeve Conductor Pipe 12" STPG Sch 40, 5.5M NOV. 1998 10-437 ditto ditto ditto 129,600 w/Sleeve PVC Casing 4" Pin x Box 2.9M Flush Joint NOV. 1998 10-438 ditto ditto ditto 35 259,000 Type PVC Casing 4" Pin x Box 2.9M Flush Joint NOV. 1998 10-439 ditto 35 392,000 ditto ditto Type ditto Screen with 1.5mm Slots
API Casing 6-5/8", 20lb/ft about 6M ditto ditto 1,650,000 50 ditto ditto ditto NOV. 1998 10-440 ditto ditto ditto with API short threads ditto ditto ditto Drilling Accessories

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Year	JP/N	o. Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition		Remarks
				ļ		Utility	of Utility		İ
						(Store)		Maintena	
								uce	
NOV. 19	198   10-4	1 Mud Measuring Apparatus							
		Mud Balance, Funnel Viscosimeter &	115 000			ditto	ditto	ditto	İ
		Sandglass	116,000		1	unto	ditto	iditto	<del> </del>
NOV. 19	98 10-4	2 Special Disassembling Tools for Rig & Mud	749 500	ŀ	1	ditto	ditto	ditto	
		Pump	742,500 474,000		1	ditto	ditto	ditto	
NOV. 19	98 10-4	3 Special Disassembling Tools for Air	69,000		1	ditto	ditto	ditto	
		4 Air Grinder for Hammer Bit	65,000		1	ditto	ditto	ditto	
		5 Mechanical Tool Set (40 pcs/set)	106,000		2	ditto	ditto	ditto	
		6 Pipe Wrench 1200mm	84,000		4	ditto	ditto	ditto	
		7 Pipe Wrench 900mm	43,200		4	ditto	ditto	ditto	<u> </u>
		8 Piper Wrench 600mm	30,000		2	ditto	ditto	ditto	
NOV. 19	98 10-4	9 Piper Wrench 450mm	26,000		2	ditto	ditto	ditto	
NOV. 19	98110-4	0 Chain Tong-Super Tong ST-2	100,000			ditto .	ditto	ditto	
		1 Chain Tong-Super Tong ST-3	17,000		10	ditto .	ditto	ditto	
NOV. 19	98 10-4	2 Wire Sling 3/8" xIM	7,200		4	ditto	ditto	ditto	
		3 Wire Sling 3/8" x3M	10,400		4	ditto	ditto	ditto	
		4 Wire Sling 9mm x6M	16,000		4	ditto	ditto	ditto	
		5 Wire Sling 1/2" x3M	25,200		4	ditto	ditto	ditto	
		6 Wire Sling 12mm x6M	12,000		5	ditto	ditto	ditto	·
NOV. 19	90110-4	7 Shackle SC16N	12,000		5	ditto	ditto	ditto	
NOV. 19	98110-4	8 Shackle SC24N	27,000		1	ditto	ditto	ditto	
NOV. 19	98 10-4	9 Manila Rope 18mm x 30M 0 Steel Bar 750mm	5,600		2	ditto	ditto	ditto	
			11,000		1	ditto	ditto	ditto	
		1 Tape Measure 100M	7,700		Î	ditto	ditto	ditto	
		2 Wire Cutter 600mm	1,900		10	ditto	ditto	ditto	
		3 Wire Brush	7,900		1	ditto	ditto	ditto	
NOV. 19	98 10-4	4 Flier Flat 5 Flier Semi-Round	7,900		1	ditto	ditto	ditto	
NOV. 19	09 10-4	6 Filer Trainagle	7,900		1	ditto	ditto	ditto	
NOV. 19	98 10-4	7 Flat Chisel 200mm	1,100		1	ditto	ditto	ditto	•
		8 Oiler 200mL	12,000		4	ditto	ditto	ditto	
		9 Oil Pitcher 5L	.3,400		2	ditto	ditto	ditto	
NOV 10	08 10-4	0 Steel Saw 250mm (with 20 spare saws)	-2,400		1	ditto	ditto	ditto	
NOV 19	98 10-4	1 Steel Tool Box	10,800		1	ditto	ditto	ditto	
NOV 19	98 10-4	2 Operating Oil, Shell (unit = liter)	68,000		400	ditto	ditto	ditto	
NOV 19	98 10-4	3 Oil for Hammer Mobil (unit=Liter)	29,000		100	ditto	ditto	ditto	
		4 Compound Grease (unit=kg)	80,000		50	ditto	ditto	ditto	
NOV 19	98 10-4	5 Bentonito Kunimine V1 (25kg/sack)							
		(unit=ton)	141,000		3	ditto	ditto	ditto	
NOV. 19	98 10-4	6 CMC Telselrose (20kg/sack)	54,000		100	ditto	ditto	ditto	
NOV. 19	98 10-4	7 Foaming Agent (unit=kg)	35,000		100	ditto	ditto	ditto	
NOV. 19	98 10-4	8 Water Pump (Gasoline Pump)					]		-
		Output O.D. 50mm, Output Valume	Į				1		
	1	500L/min. Suction Hose 8M		. *					
	i	Deliver Hose 15M			•				
	1	Suction Valve	325,600		1	ditto		ditto	
NOV. 19	98 10-4	9 Viny Fabricating Tank 5M3	540,000		2	ditto		ditto	
NOV. 19	98 10-4	0 Viny Fabricating Tank 1M3	45,000		1	ditto		ditto	
NOV 19	98 10-4	1 Electric Welding/Generator	742,500		1	ditto		ditto	
	- - <del></del>	Diesel Engine type, output 300A 10kVA				ditto	ditto	ditto	
	1	Accessories:				ditto	ditto	ditto	
		Earth Cable 20M, Welding Mask, Leather					i		
		Glove -	L			ditto	ditto	ditto	
		Holder				ditto	ditto	ditto	
NOV. 19	98 10-4	2 Gas Welding/Cutting Machine w/Hoses	183,600		11	ditto	ditto	ditto	
		incl. Glasses, Lighter, Empty Cylinder for					- 1		
		Oxygen	<u> </u>			ditto	ditto	ditto	
	1	and Acetylene				ditto	ditto	ditto	
NOV 19	98 10-4	3 Air Lift Tools	114,000		20	ditto	ditto	ditto	
		4 Air Pipe, 1-1/2" x5.5M with Socket	9,600		4	ditto	ditto	ditto	
NOV 10	98 10-4	5 Air Pipe, 1-1/2" x1.5M with Socket	38,000		I	ditto	ditto	ditto	
	ANTO 4	6 Air Pipe Swivel, 1-1/2"	97,200		2	ditto	ditto	ditto	
NOV 19	agi ta_4							10.	
NOV. 19			135,000		2	ditto .	ditto	ditto	
NOV. 19 NOV. 19	98 10-4	7 Air Pipe Elevator, 1-1/2"				ditto . ditto		ditto	
NOV. 19 NOV. 19 NOV. 19	98 10-4 98 10-4		135,000 90,000 386,000		1		ditto		

						,		Revised: J	
Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity		Condition		Remarks
	3.,				į	Utility	of Utility	of	
ı					İ	(Store)		Maintena	
			1					nce	
NOV/ 1008	10-400	for 6-5/m" AP Casing, Height 50cm.							
MOA' 1880	10-490		338,000	-	1	ditto	ditto	ditto	
	<u> </u>	W/4" Valve	000,000		l*	ditto	ditto	ditto	
		Air Lift Hole Opening Apparatus			<u> </u>	useco	unto	ditto	
		for 4" API Casing, Height 40cm, w/4"				م ده: د	4:44	مه:د	i
		Valve				ditto	ditto	ditto	<del></del>
		Special Tool Set for Sharmm T-300M Rig	265,000		1	ditto	ditto	ditto	
		Consisting of:	<u> </u>			ditto	ditto	ditto	
APR. 1999	10-491	Socket Hex, 6th type				ditto	ditto	ditto	<u> </u>
APR. 1999					}	ditto	ditto	ditto	
APR. 1999						ditto	ditto	ditto	
APR. 1999						ditto	ditto	ditto	
						ditto	ditto	ditto	
APR. 1999				<del></del>		ditto	ditto	ditto	
APR. 1999			<u> </u>			ditto	ditto	ditto	
APR. 1999		No. 303 Speed T-Handle							
APR. 1999	10-498					ditto	ditto	ditto	
APR. 1999	10-499	No.321 Extension Bar (150mm)				ditto	ditto	ditto	
APR. 1999						ditto	ditto	ditto	·
APR. 1999	10-501	Spannner (Long type) 7th Type				ditto	ditto	ditto	
APR. 1999		Duble Ring Spanner (45 Deg C Long							-
VEW 1999	10 002	type) 6th Type	1			ditto	ditto	ditto	
1000	10 500	Double Disa Seemen (45 Dog C Short				27212			
APR. 1999	10-503			_		ditto	ditto	dītto	
		type) 4th Type		<del></del>		dicto	GIELO	01110	
APR. 1999	10-504	i .				1:44	J:	ditto	
		Type	,			ditto	ditto	uitto	
APR. 1999	10-505	No. MW-300 Adjustable Angle Wrench	1					,	
		(w/measuring)				ditto	ditto	ditto	
APR. 1999	10-506	No. CP-200 Combination Piler				ditto	ditto	ditto	
APR. 1999									
11. (4. 1000		duty)	1			ditto	ditto	ditto	
ADD 1000	10-509	No.CT-175 Side Cutting Plier				ditto	ditto	ditto	
ADD 1000	10-500	No. RP-150 Radio Plier				ditto	ditto	ditto	
APR. 1999	10-509	No. KN-150 Diagonal Cutting Nipper				ditto		ditto	
APR. 1999	10-510	No. Kiv-150 Diagonal Cutting Nipper	<del> </del>		- :	3.1.1			
APR. 1999	10-211	Through-Out Handle Screw Driver (-)	l			ditto	ditto	ditto	
		3rd Type				GILLO	direc	dice	
APR. 1999	10-512					J:44 -	2:44	ditto	
		3rd Type				ditto			
APR. 1999	10- <u>513</u>	Stabi-Driver (-), (+)				ditto		ditto	
APR. 1999	10-514	Split-Handle Driver (-), (+)	<u></u>			ditto		ditto	
APR 1999	10-515	One-Hand Hammer I Lbs.			·	ditto	ditto	ditto	
APR 1999	10-516	Thickness Gauage 70mm x 9 sheets	•			ditto	ditto	ditto	
ADD 1000	10-517	Center Punch 125mm	,			ditto	ditto	ditto _	
APR. 1999	10 517	Medium File (Flat, Semi-							
APR. 1999	10-010	Medium File (Flat, Seim			1	ditto	ditto	ditto	
		Round, Round, Square, Triangle)				ditto		ditto	
APR. 1999	10-519		<del>                                     </del>		· · · · · ·	ditto		ditto	
		Hammer Disassembling Stand	1.500.000		<del> </del>	aice	GILLO	41110	
		Hammer Disassembling Stand Set	1,560,000		1		<del> </del>		
		Consisting of:			L	34		17.1	
APR, 1999	10-520	1)Main Pole Assembly (of steel)				ditto	ditto	ditto	·
APR. 1999	10-521	Arm: 2.5M approx. Height:3.425M			•				
	-	approx				ditto	ditto	ditto	
A DD 1000	IO_EOO	2) Trolley Max. Load: 0.5 ton, Material:	1						
APR. 1999	10-522		1			ditto	ditto	ditto	
- <del>:</del>	TA -42	Steel	<del>                                     </del>			_,,,,			
APR. 1999	10-523	3) Chain Block Max. Load: 0.5 ton	(			ditto	ditto	ditto	
		Mateial: Steel				dîtto	uitto	UILLU	
APR. 1999	10-524	4) Work Table (W1500xD1200xH900)					<sub>10</sub> .	1	
		Material: Wood				ditto	ditto	ditto	
APR. 1999	10-525	5) Base Frame (W2750xD1750)						ļ	
1555		Material: Steel	1			ditto		ditto	
	10-506	Accessories				ditto		ditto	
100	10-526	ment and (Western Parent Toront 1 and 1	625,000		1	ditto		ditto	
	10-527	Tool set (Wremch 2 sets,Level 1 set)	020,000		-	~13.5			
APR. 1999		Drilling Tools	1.040.000			2:44.0	ditto	ditto	
APR. 1999	10-528	Tri-Cone Bit 14-3/4" S. 6-5/8" Reg(P)	1,040,000	<u>.</u>	2	ditto		ditto	
APR. 1999	10-529	Tri-Cone Bit 12-1/4" S. 6-5/8" Reg(P)	600,000		2			ditto	
APR 1000	10-530	Tri-Cone Bit 10-5/8" MS, 6-5/8"Reg(P)	516,000		2	ditto		ditto	
ADD 1000	10-531	Tri-Cone Bit 9-5/8" MH,6-5/8" Reg(P)	1,680,000		2 .	ditto	ditto	ditto	
ADD 1000	10 501	T-: Cone Dit 9-1/9" MIL: 4-1/9" Doc(D)	1,240,000			ditto		ditto	
APK. 1999	10-532	Tri-Cone Bit 8-1/2" MH, 4-1/2" Reg(P)	1,570,000	L	<del></del>			اســــــان تـــــــــا	

		Lina	1 D	[ 4	I A (P:)		D1	10. 20.	Revised: 1	
Yea	ar ·	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity		1	Condition	Remarks
1		1	ĺ		1		Utility	of Utility		
		ì			1		(Store)		Maintena	f
ADD I	000	10-533	DTH Hammer Bit Button type 9-5/8"	734,000	*	2 .	ditto	ditto	nce ditto	
APR 1	000	10-534	DTH Hammer Bit Button type 8-1/2"	558,000	· · · · · · · · · · · · · · · · · · ·	2	ditto	ditto	ditto	
			Down-the-Hall Hammer Model SD-8	1,500,000		1	ditto	ditto	ditto	
/11 11. 1	1000	10 000	O.D. 172mm for 9-5/8"-8-1/2" drilling	2,000,000			ditto	ditto	ditto	
APR. 1	999	10-536	Drill Pipe 4-3/4" F.J.x6M,3-1/2"API IF						4-12-7	
		i	w/protect -	810,000		9 -	ditto	ditto	ditto	
APR. 1	999	10-537	Drill Pipe 4-3/4" F.J.x6M,3-1/2"API IF		1			[		
			w/protect	182,400	,	2	ditto	ditto	ditto	
APR. I	999	10-538	Drill Collar 6-3/4"ODx3M 4"API IF Pin	408,000		2	ditto	ditto	ditto	
APR. 1	999	10-539	Hoisting Wire Rope W/Safety Clevis	25.000						
<u> </u>	000		14MMx50M	85,000		1	ditto	ditto	ditto	
APR. 1	999	10-540	Sandle Wire 9mm x 200M	44,000 700,000	ļ	20	ditto	ditto	ditto ditto	
APR. I	999.	10-541	Casing Centralizer for 4"PVC Pipe x8-	700,000		20	ditto	ditto	anto	
APR. I	999	10-542	Casing Centralizer for 6-5/8" API Casing x 9-5/8	760,000		20	ditto	ditto	ditto	
ADD 1	ορο	10-542	Conductor Pipe 12" STPG Sch 40, 5.5M	700,000	· · ·	20	aicco	UILLO	unto	
AFK. I	יוויט ככ	10.043	w/Sleeve	244,000		4	ditto	ditto	ditto	
APR 1	990	10-544	Conductor Pipe 10"STPG Sch 40. 5.5M					-1119		
	555	20 044	w/Sleeve	164,000		4	ditto	ditto	ditto	
APR. 1	999	10-545	API Casing 6-5/8", 20lb/ft about 6M	2,450,000				ditto	ditto	
			with API short threads				ditto	ditto	ditto	
APR. 1	999	10-546	Operating Oil, for drilling rig (unit=Liter)	96,000		400		ditto	ditto	
			(EQUIVALENT TO SHELL-TERRACE 58)		•				ditto	
APR. 19	999	10-547	Oil for Air Hammer (unit=Liter) .	40,000					ditto	<del></del>
			Equivalent to Rockdrill Oil)				ditto	ditto	ditto	
APR. 19	999	10-548	Bentonito Kunimine V1 (25kg/sack) .	040.000						
	222	15 715	(unit=ton)	268,000			ditto		ditto	
			CMC Telselrose (20kg/sack)	76,000 400,000					ditto ditto	
APR. 19	999	10-550	Water Pump (Gasoline Pump)	400,000			ditto	ditto	anto j	
I			Output O.D. 50mm, Output Volume : 500L/min.				ditto	ditto .	ditto	
			Suction Hose 5M						ditto	
			Suction Valve					ditto	ditto	-,
APR 10	999	10-551	Viny Fabricating Tank 5M3	373,000					ditto	
APR. 15	999	10-552	Mirror Stereo Scope Model:MS-27	145,000					ditto	
		20, 40,	Accessories:				ditto	ditto	ditto	
APR. 19	999	10-553		85,000		1	ditto	ditto	ditto	
APR. 19	999	10-554	Illumination Unit Model: LA3	72,000					ditto	
			Spare flouresecent Lamp 4W	3,000					ditto	
<u>APR. 19</u>	999	10-556	Spare Lamp 1.5V	2,000					ditto	
APR. 19	999	10-557	GPS Receiver Model: NAV6500	573,000					ditto	
			Consisting of:						ditto	
			GPS Receiver Main Unit (1 unit)						ditto ditto	
			Face Cover (1 pce)						ditto ·	<del></del>
			Antenna with Cable 12m (1 pce) Power Supply Unit and NMEA Data Cable				ditto	ditto	uitto .	
	1				j	1	ditto	ditto	ditto	
			(1 set) Mount Blacket (1 pce)						ditto	
APR. 19	200	10-558	Water Level Meter Model: MP-TROLLE			'				
CH IV. 12	000	10 000	8000	713,000	f	1	ditto	ditto	ditto	
			Accessories:						-	
APR. 19	999	10-559	Polyurethan Cable 70m	129,000		1	ditto .	ditto	ditto	
		10-560	Polyurethan Cable 90m	310,000		1	ditto •	ditto (	ditto	
APR. 19		10-561	Communication/Power Package	20,000	-	1	ditto	ditto (	ditto	
			Sapre Parts						ditto	
APR. 19	999	10-562	pH Calibration Kit	10,000					ditto	
APR. 19		10-563	Electric Conductivity Calibration Kit	10,000					litto	
ADD IC		10-564	Spare pH Sensor	000,08					litto	
	300	10-565	Spare Electric Conductivity Sensor	90,000					litto	
	199 [		Altimeter Model: MM-1	440,000	•				litto	
APR. 19 APR. 19	999	10-566								
APR. 19	999	10-566	Resistivity Meter STING R1	1,914,000		1 (	litto (	ditto (	litto	<del></del>
APR. 19 APR. 19 (2) APR. 1	999 1999		Resistivity Meter STING R1 Consisting of:	1,914,000						
APR. 19 APR. 19 (2) APR. 1	1999 1999	10-567	Resistivity Meter STING R1 Consisting of: Sting R1 Basic Unit	1,914,000		l Unit	litto e	ditto d	litto	
APR. 19 APR. 19 (2) APR. 1 (2) APR. 1 (2) APR. 1	1999 1999 1999	10-567	Resistivity Meter STING R1 Consisting of: Sting R1 Basic Unit Clip on Battery Pack, NiCd cells	1,914,000		l Unit d	litto e	litto d		

Vear   JP/No.   Description (Name of Production, Mode)   Amount (Ven)   Amount (Wen)   Control (Ven)   Contr			List of Macinilery and Equi					00,	Revised: J	ULY 2002
CJ APR 1999   10-571   Standard Resistor for chiefs	Year	IP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition	Condition	Remarks
Constitute   Con	1	J- 1					Utility	of Utility	of	
G. APR, 1999   10-571   Standard Resistor for check   1 pcc   ditto	1 1			j			(Store)			
Apr. 1999   0-572   Carring cape   57,000   1 unit ditto ditto ditto ditto ditto diversity   20 APR. 1999   0-573   Carring cape   30,000   1 unit ditto d						-	16.			
	(2) APR. 1999	10-571				1 pce	ditto	ditto	ditto	<u> </u>
23 APR   1999   10-573   Chenerat, Upgrade   20,000   1 unit ditto ditto ditto ditto   23 APR   1999   10-574   Connecting Cable for Bettern PC12V   20,000   2 nols ditto ditto   24 APR   1999   10-575   Certemt Cable 400m with Plastic Reel   120,000   2 nolls ditto   ditto   25 APR   1999   10-575   Potential Cable 400m with Plastic Reel   120,000   10 pes ditto   ditto   ditto   25 APR   1999   10-577   Stanless Steel Electrode   70,000   10 pes ditto   ditto   ditto   25 APR   1999   10-577   Stanless Steel Electrode   70,000   10 pes ditto   ditto   ditto   25 APR   1999   10-578   Testers and Tools   22,000   15 pes ditto   ditto   ditto   25 APR   1999   10-579   Measuring Tape 100m   25 APR   1999   10-579   Measuring Tape 100m   25 APR   1999   10-579   Measuring Tape 100m   25 APR   1999   10-580   Batters Electrode   25 APR   1990   10-580   Batters Electrode   25 APR   1990   10-580   Stanless Steel Electrode   25 APR   1990				F7 000		1	ditto	ditto	ditto	
Graph   10-574   Connecting Cable for Battery DC12V   20,000   1 nee   ditto										
(2) APR 1999   10-575   Current Cable 400m with Plastic Reel   120,000   2 rolls ditto dit			Charger, Upgrade							
Gr. Apr. 1999   10-576   Potential Cable 400m with plastic Reel   120,000   2 rolls   ditto	(2) APR. 1999	10-574	Connecting Cable for Battery DC12V							
17.78   1987   10-577   Sambles Steel Electrode   70,000   10 ccs   ditto   ditto   ditto   17.78	(2) APR. 1999 (2) APR 1999	10-5/5	Descript Cable 400m with plastic Real							
173 APR 1999   10-578   Tester and Tools   23,000   1 set   ditto										
167-078   1997   10-5179   Measuring Type 100m   128,000   1.0pc ed ditto di										
								ditto	ditto	
Good   Process   Content						1 pce	ditto	ditto	ditto	
CG APR, 1999   10-582   Stainless Steel Electrode   28,000   5 ppcs				360,000		1 unit	ditto	ditto	ditto	
Constitute   Con										
Soare Parts   Site   Steinless Steel Electrode   28,000   Junit   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site   Soare Parts   Site										
Spare Perts Kit	(2) APR. 1999	10-582	Stainless Steel Electrode	28,000			ditto	ditto	ditto	
(2) APR, 1999   10-589   Battery Element   1 pce ditto ditto ditto ditto   1 pce   1	1			180,000		1 unit				
20 APR 1999   10-585   Dust Cap for External Power Connector   1 set ditto ditto ditto   1 set dit			Consisting of:	ļ	<u></u>		11	19	17.4	
27 APR. 1999   10-585   Barnan Plus, Red   2 pos ditto   dit	(2) APR. 1999	10-583	Battery Element	· · ·						
2   2   2   2   2   2   2   2   2   2										
2										
Column   C				<b></b>						
23 APR, 1999   10-589   LCD with Cable and Connector   1 set ditto ditto ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 connector   1 set ditto   1 set ditto   1 connector   1 set ditto   1 s										
2 APR. 1999   10-591   Rubber Boot for Night Light Switch   2 sets ditto ditto ditto   2 APR. 1999   10-592   Binding Post, Red   2 sets ditto ditto   2 APR. 1999   10-593   Binding Post, Black   2 sets ditto ditto   2 APR. 1999   10-593   Binding Post, Black   2 Sets ditto ditto   2 APR. 1999   10-593   Binding Post, Black   2 Sets ditto   2 APR. 1999   10-593   Binding Post, Black   2 Sets   3 APR. 1999   Main Unit   5,295,000   1 unit   3 APR. 1999   10-595   Receiver   1 unit   4 APR. 1999   10-595   Receiver   1 unit   4 APR. 1999   10-595   Receiver   1 unit   4 APR. 1999   10-596   Transmitter   2 Des ditto   4 APR. 1999   10-596   Transmitter   2 Des ditto   4 APR. 1999   10-597   Belt Battery   2 Des ditto   4 APR. 1999   10-598   Connecting Cable   1 set   4 APR. 1999   10-598   Connecting Cable   1 set   4 APR. 1999   10-599   Connecting Cable   1 set   4 APR. 1999   10-599   Connecting Cable   1 set   4 APR. 1999   10-599   Connecting Cable   1 set   4 APR. 1999   10-600   Battery Charger   1 unit   4 APR. 1999   10-600   Battery Charger   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 unit   4 APR. 1999   10-600   Carring Container   1 Unit   4 APR. 1999   10-600   Carring Container   1 Unit   4 APR. 1999   10-600   Carring Container   1 APR. 1999   10-600   Carring Cable 600   Carri										
(2) APR, 1999   10-593   Binding Post, Black   2 sets   ditto   ditto   ditto   (2) APR, 1999   0-595   Receiver   1 unit   ditto   ditto   ditto   ditto   (3) APR, 1999   10-595   Receiver   1 unit   ditto   ditto   ditto   ditto   (3) APR, 1999   10-595   Receiver   1 unit   ditto   ditto   ditto   ditto   (3) APR, 1999   10-595   Transmitter   1 unit   ditto	(2) APR 1999	10-592		· · · · · · · · · · · · · · · · · · ·					ditto	
	(2) APR. 1999	10-593	Binding Post, Red				ditto	ditto	ditto	
C2 APR. 1999   Main Unit							ditto			
C   APR   1999   10-595   Receiver				5,295,000		1 unit	ditto	ditto		
C2 APR 1999   10-595   Tansmitter										
2 pcs   ditto   ditt										
Carrier   1999   10-598   Coil For Transmitter   1 unit ditto ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto ditto   1 set ditto ditto   1 set ditto ditto   1 set ditto ditto   1 set di	(2) APR. 1999	10-596	Transmitter							
(2) APR. 1999   10-600   Battery Charger   1 unit ditto ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit ditto ditto   1 unit d										
1   1   1   1   1   1   1   1   1   1										
1										
1 unit   ditto   dit	(2) APR. 1999	10-600	Battery Charger							
Accessories										:
C2 APR. 1999   10-603   MMC Data Recording Module   800,000   1 unit   ditto   ditto   ditto   (2) APR. 1999   10-605   Reference Cable 40m   61,300   1 roll   ditto   ditto   ditto   (2) APR. 1999   10-606   Reference Cable 60m   151,600   2 rolls   ditto   ditto   ditto   (2) APR. 1999   10-606   Reference Cable 80m   180,000   2 rolls   ditto   ditto   ditto   (2) APR. 1999   10-607   Reference Cable 100m   208,000   2 rolls   ditto   ditto   ditto   ditto   (2) APR. 1999   10-608   Software for Analusis MaxMin Pro for   windows   470,000   1 unit   ditto   ditto   ditto   ditto   (2) APR. 1999   10-609   Personal Computer Notebook Type   347,000   1 unit   ditto   ditto   ditto   ditto   Dynabook TOSHIBA   ditto   ditt	(2) APR. 1999	10-602								
(2) APR. 1999   10-604   Reference Cable 40m   151,600   2 rolls   ditto   ditto   ditto   (2) APR. 1999   10-605   Reference Cable 60m   151,600   2 rolls   ditto   ditto   ditto   (2) APR. 1999   10-606   Reference Cable 80m   180,000   2 rolls   ditto   ditto   ditto   (2) APR. 1999   10-607   Reference Cable 100m   208,000   2 rolls   ditto   ditto   ditto   ditto   (2) APR. 1999   10-608   Software for Analusis MaxMin Pro for   windows   470,000   1 unit   ditto   ditto   ditto   ditto   (2) APR. 1999   10-609   Personal Computer Notebook Type   347,000   1 unit   ditto   ditto   ditto   ditto   Dynabook TOSHIBA   1 unit   ditto   ditto   ditto   ditto   ditto   Dynabook TOSHIBA   1 unit   ditto	(2) APR 1999	10-603	MMC Data Recording Module	800,000						
C2 APR. 1999   10-605   Reference Cable 60m   151,600   2 rolls   ditto   di								ditto	ditto	
C2 APR. 1999   10-605   Reference Cable 80m   180,000   2 rolls   ditto   di							ditto	ditto	ditto	
C2) APR. 1999   10-607   Reference Cable 100m   208,000   2 rolls   ditto				180,000		2 rolls	ditto	ditto	ditto	
C2 APR. 1999   10-608   Software for Analusis MaxMin Pro for windows   470,000   1 unit   ditto   ditto   ditto   ditto   Dynabook TOSHIBA   1 unit   ditto   ditto   ditto   Dynabook TOSHIBA   1 unit   ditto   di	(2) APR. 1999	10-607	Reference Cable 100m	208,000		2 rolls	ditto	ditto	ditto	
(2) APR. 1999 10-609 Personal Computer Notebook Type 347,000 1 unit ditto ditto ditto ditto Dynabook TOSHIBA 1 unit ditto dit				,			[		ļ., l	]
Dynabook TOSHIBA   10-610   Dynabook TOSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIBA   1   Dynabook ToSHIB	1		windows		·					
22) APR. 1999   10-610   Printer Inkjet Type 5000 CANON   133,000   1 unit   ditto	(2) APR. 1999	10-609								
With Ink Cartridge Black 10, Color 10   With Ink Cartridge Black 10, Color 10   With Ink Cartridge Black 10, Color 10   With Ink Cartridge Black 10, Color 10   2 pcs   ditto   ditto   ditto   ditto   Spare Parts   ditto   ditto   ditto   ditto   ditto   Spare Parts   ditto			Dynabook TOSHIBA		L					
(2) APR. 1999 10-612 Carrying Case for PC 85,000 12 pcs ditto ditto ditto 10 pce parts 20,000 13 pce ditto 10 d	(2) APR. 1999	10-610	Printer Inkjet Type 5000 CANON	133,000	<u> </u>	ı unit				
Spare Parts   Spare Parts				95.000	<u> </u>	2				
22 APR. 1999   10-612   Transmitter Gel-Cell Battery 12V-13Ah   78,000   1 pce   ditto   ditto   ditto	(2) APR. 1999	10-611		85,000		∠ pcs -				
(2) APR. 1999         10-613         Receiver Battery 9V Alkaline         5,600         8 pcs         ditto         ditto         ditto           (2) APR. 1999         10-614         Reference Cable Extension Connector         11,000         1 pce         ditto			Spare Parts	70 000						
10-615   Reference Cable Extension Connector   11,000   1 pce   ditto   ditto   ditto   ditto   (2) APR. 1999   10-615   Sunto Inclinometer   20,000   1 pce   ditto   ditto   ditto   ditto   (2) APR. 1999   10-616   Transmitter Frequency Switch Knob   1,500   1 pce   ditto   ditto   ditto   ditto   (2) APR. 1999   10-617   Tx/Rx Intercom Switch with Rubber   13,000   1 set   ditto   ditto   ditto   (2) APR. 1999   10-618   Tx/Rx On/Off Switch with Rubber   Cover   4,000   1 set   ditto   ditto   ditto   (2) APR. 1999   10-618   Tx/Rx On/Off Switch with Rubber Cover   4,000   1 roll   ditto   ditto   ditto   (2) APR. 1999   10-620   Reference Cable 40m   61,000   1 roll   ditto   ditto   ditto   ditto   (2) APR. 1999   10-620   Reference Cable 60m   75,000   1 roll   ditto   dit										
(2) APR. 1999       10-615       Sunto Inclinometer       20,000       1 pce       ditto       ditto       ditto         (2) APR. 1999       10-616       Transmitter Frequency Switch Knob       1,500       1 pce       ditto       ditto       ditto         (2) APR. 1999       10-617       Tx/Rx Intercom Switch with Rubber       13,000       1 set       ditto       ditto       ditto         (2) APR. 1999       10-618       Tx/Rx On/Off Switch with Rubber Cover       4,000       1 set       ditto       ditto       ditto         (2) APR. 1999       10-619       Reference Cable 40m       61,000       1 roll       ditto       ditto       ditto         (2) APR. 1999       10-620       Reference Cable 60m       75,000       1 roll       ditto       ditto       ditto         MAR. 1998       10-621       Computer, UPS & Surge Arrest       54,572.004       SETS       ditto       ditto       ditto         MAR. 1998       10-623       Computer, UPS & Surge Arrest       122,580.006       SETS       ditto       ditto       ditto										
(2) APR. 1999 10-616 Transmitter Frequency Switch Knob 1,500 1 pce ditto ditto ditto (2) APR. 1999 10-617 Tx/Rx Intercom Switch with Rubber 13,000 1 set ditto ditto ditto (2) APR. 1999 10-618 Tx/Rx On/Off Switch with Rubber Cover 4,000 1 set ditto ditto ditto (2) APR. 1999 10-619 Reference Cable 40m 61,000 1 roll ditto ditto ditto (2) APR. 1999 10-620 Reference Cable 60m 75,000 1 roll ditto ditto ditto (2) APR. 1998 10-621 Computer, UPS & Surge Arrest 60,860.00 2 SETS ditto ditto ditto ditto MAR. 1998 10-622 Computer, UPS & Surge Arrest 54,572.00 4 SETS ditto ditto ditto ditto MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto										
(2) APR. 1999 10-617 Tx/Rx Intercom Switch with Rubber 13,000 1 set ditto ditto ditto (2) APR. 1999 10-618 Tx/Rx On/Off Switch with Rubber Cover 4,000 1 set ditto ditto ditto (2) APR. 1999 10-619 Reference Cable 40m 61,000 1 roll ditto ditto ditto (2) APR. 1999 10-620 Reference Cable 60m 75,000 1 roll ditto ditto ditto ditto (2) APR. 1998 10-621 Computer, UPS & Surge Arrest 60,860.00 2 SETS ditto ditto ditto ditto MAR. 1998 10-622 Computer, UPS & Surge Arrest 54,572.00 4 SETS ditto ditto ditto ditto MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto d			Tenemitter Programmy Switch Vech							· · · ·
(2) APR. 1999       10-618       Tx/Rx On/Off Switch with Rubber Cover       4,000       1 set       ditto       ditto       ditto         (2) APR. 1999       10-619       Reference Cable 40m       61,000       1 roll       ditto       ditto       ditto         (2) APR. 1999       10-620       Reference Cable 60m       75,000       1 roll       ditto       ditto       ditto         MAR. 1998       10-621       Computer, UPS & Surge Arrest       60,860.00 / 2 SETS       ditto       ditto       ditto         MAR. 1998       10-622       Computer, UPS & Surge Arrest       54,572.00 / 4 SETS       ditto       ditto       ditto         MAR. 1998       10-623       Computer, UPS & Surge Arrest       122,580.00 / 6 SETS       ditto       ditto       ditto       ditto			Tu/Py Intersem Switch with Publics							
(2) APR. 1999 10-619 Reference Cable 40m 61,000 1 roll ditto ditto ditto (2) APR. 1999 10-620 Reference Cable 60m 75,000 1 roll ditto ditto ditto (2) APR. 1998 10-621 Computer, UPS & Surge Arrest 60,860.00 2 SETS ditto ditto ditto MAR. 1998 10-622 Computer, UPS & Surge Arrest 54,572.00 4 SETS ditto ditto ditto MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto ditto ditto ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto (3) MA			Tu/Pu On/Off Switch with Rubbar Cover							
(2) APR. 1999 10-620 Reference Cable 60m 75,000 .1 roll ditto ditto ditto			Reference Cable 40m							
MAR. 1998 10-621 Computer, UPS & Surge Arrest 60,860,00 2 SETS ditto ditto ditto MAR. 1998 10-622 Computer, UPS & Surge Arrest 54,572,00 4 SETS ditto ditto ditto MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580,00 6 SETS ditto ditto										
MAR. 1998 10-622 Computer, UPS & Surge Arrest       54,572.00 4 SETS ditto ditto ditto         MAR. 1998 10-623 Computer, UPS & Surge Arrest       122,580.00 6 SETS ditto ditto	MAR 1009	10-621	Computer, UPS & Surge Arrest							
MAR. 1998 10-623 Computer, UPS & Surge Arrest 122,580.00 6 SETS ditto ditto	MAR 1009	10-622	Computer, UPS & Surge Arrest		54,572.00	4 SETS		ditto	ditto	
197 St. 1550 (10 000 COMPACE) 17.	MAR 1009	10-623	Computer, UPS & Surge Arrest		122,580.00	6 SETS				
MAR. 1998 10-624 link let Color Printer 37,800.00[4 SETS   ditto   lditto	MAR. 1998	10-624	Ink Jet Color Printer		37,800.00	4 SETS	ditto	ditto	ditto_	

Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition	Revised: J	
1 691	JETINO.	Description (Name of Froduction, Model)	/ sinounc (1 en)	' antoure (Dill)	~unitity	Utility	of Utility	of	Mennark
			`			(Store)	O Chiny	Maintena	
						(20016)		nce	
3.4A D : 1000	10-625	Laser let Printer		36,160.00	8 PCS	ditto	ditto	ditto	
MAR. 1998			<del> </del>	21,500.00		ditto		ditto	
MAR. 1998				29,475.00		ditto	ditto	ditto	
MAR. 1998 MAR. 1998				1,450.00		ditto	ditto	ditto	
MAR. 1998				2,236.00		ditto		ditto	
		Video Cassette Recorder		4,925.00		ditto		ditto	
				26,860.00		ditto		ditto	
MAR. 1998			<del></del>	7,100.00		ditto		ditto	
		Radio Cassette Player		19,375.00		ditto		ditto	
		Digital Video Camera		7,644.00		ditto		ditto	
		Digital Camera		10,500.00		ditto		ditto	
		FM Cordless Microphone		1,138.00		ditto		ditto	
		Electric Drill		1,130.00				ditto	
MAR. 1998				1,126.00					<del></del>
		Mini Grinder						ditto ditto	
		Disc of Mini Grinder Set		1,650.00				ditto	
		Disc Grinder	<u> </u>					ditto	<del></del>
		Disc of Disc Grinder						ditto	<u> </u>
MAR. 1998									
MAR. 1998								ditto	
		Booster Cable						ditto	
		Garage Jack		9,000.00				ditto	
		Injection Nozzle		3,150.00				ditto	
		Portable electric generator		5,800.00				ditto	
		Used Diesel Engine		39,000.00				ditto	
		OHP (Over-Head Projector)		14,274.00				ditto	
		Tripod Screen		6,900.00				ditto	
		Slide-Projector		5,800.00				ditto	
		Data / Video Projector		95,751.00				ditto	
		Slide Projection		39,995.00				ditto	
		Data / Video Projector		45,000.00				ditto	
иAR. 1998	10-655	Photocopier		135,400.00				ditto	
		Digital Telephone System and PBX		64,842.00	1 2F.1	ditto	ditto	ditto	
FEB. 1999		Toyota Hi-Lux, Pic-up D/ Cabin LWB,		100 000 00			,,,		
		4WD, Diesel, Model: LN166L-PRMDS	·	192,898.20	I UNIT	ditto	ditto	ditto	<del></del>
FEB. 1999		Toyota Land Cruiser St Wagon LWB,	†	005.50		,			
		4WD, Diesel (GX), Model: HZJ105L-		307,170.46	I CINIT	ditto	ditto	ditto	
FEB. 1999		Toyota Coaster Bus, LWB, 2WD, Diesel,		0.15 000 10		,	,	17	
		Model: HZBN50L-BGMRS		345,662.42	I UNIT	ditto	ditto (	ditto	
		Total	121.404.220	1 758 784 081					

Revised: JULY 2002

Vear   JP/No   Description (Name of Production, Model)   Amount (Ven)   Amount (Eltr)   Visity   Condition   Con					(6)			Les III	Revised: 1	CLY 2002
ALG. 1999   11-1   2 ENGINE STAND 1750A	Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition	Condition	Remarks
ALG. 1999 11-1 2 ENGINE STAND 1750A 1.476,000 2 Nahitti Hight. Good ALG. 1999 11-2 11-1 VENNER CALIFER 10,800 2 ditto di								of Utility		
ALG. 1999 11-1 2 FNORME STAND 1750A ALG. 1999 11-2 11-1 VENNER CALIPER 10,800 2 ditto ditt							(Store)	ŀ		,
AIC. 1999 11-2 11-1 VERNIER CALIFER 13.900 2 6 61to ditto di										
ALG. 1999 11-2 11-1 VERNIER CALIFER 19.800 2 ditto ditto ditto ditto (1.10 ditto ditto ditto (1.10 ditto ditto ditto ditto (1.10 ditto ditto ditto ditto (1.10 ditto ditto ditto ditto ditto (1.10 ditto dit	AUG. 1999	11-1	2 ENGINE STAND 1750A							
ALG. 1999 11-3 11-2 OLTSIDE MICROMETER SET 290.000 2 ditto d		11-2	11-1 VERNIER CALIPER							
ALG. 1999 11-5 11-6 CYNDDER CUAGE  44.00. 1999 11-5 11-6 CYNDDER CUAGE  45.00. 2 ditto dit			11-2 OUTSIDE MICROMETER SET	290,000		2	ditto	ditto		:
AGG. 1999 11-5 11-4 CYVINDER GUAGE 48.000 2 2 sitto ditto ditto AGG. 1999 11-7 11-6 MEASURING TAPE 2.400 2 2 sitto ditto			11-3 INSIDE MICROMETER	32,000		2	ditto	ditto	ditto	
ALG. 1999 11-6	AUG 1999	11-5		48,000	•	2	ditto	ditto	ditto	
ALG. 1999 11-7 11-6 MEASURING TAPE 2.400 2 ditto ditto ditto ditto (1991 11-8) 11-7 THICKNESS CAUGE 7.000 2 ditto ditto ditto ditto (1991 11-8) 11-7 THICKNESS CAUGE 10.000 2 ditto ditto ditto ditto (1991 11-8) 11-8 STRAIGHT EDGE 10.000 2 ditto ditto ditto ditto (1991 11-8) 11-8 STRAIGHT EDGE 10.000 2 ditto ditto ditto ditto (1991 11-1) 11-9 SQUARE WERNCH: 1.000 2 ditto ditto ditto (1991 11-1) 11-9 SQUARE WERNCH: 1.000 2 ditto ditto ditto (1991 11-1) 11-9 SQUARE WERNCH: 1.000 2 ditto ditto ditto (1991 11-1) 11-1 11-1 11-1 11-1 11-1 11-1	AUG 1999	11-6		700		2	ditto	ditto	ditto	
AUG. 1999 11-9 11-3 STANES CAUGE 7.000 2 ditto d	AUG 1999	11-7	11-6 MEASURING TAPE	2,400		2	ditto	ditto	ditto	
AUG. 1999 11-10 11-19 SUDBLE END WERNCHE 11,000 2 distue d	AUG 1999	11-8	11-7 THICKNESS CAUGE	7,000		2	ditto	ditto	ditto	
ALIC, 1999 11-10 11-9 SQUARE  ALIC, 1999 11-11 11-10 TORGUE WRENCH  ALIC, 1999 11-12 11-11 INFRARED THERNOMETER  \$4,600 2 ditto ditt				10,000		2	ditto	ditto	ditto	
AUG. 1999 11-12 11-10 TORCULE WERNCH 44,600 2 ditto di	AUC 1999			14,000		2	ditto	ditto	ditto	
ALIG. 1999 11-12 11-11 INFRARED THERMOMETER 59.000 2 ditto ditto ditto ditto (1995) 11-13 11-12 TACHOMETER 59.000 2 ditto ditto ditto ditto (1995) 11-13 INFORMATICA (1995) 11-15 11-14 SCREW PITCH GAUGE 5,100 2 ditto ditto ditto ditto (1995) 11-15 11-14 SCREW PITCH GAUGE 7,1000 2 ditto ditto ditto ditto (1995) 11-15 11-14 SCREW PITCH GAUGE 7,1000 2 ditto ditto ditto (1995) 11-15 11-14 SCREW PITCH GAUGE 7,1000 2 ditto ditto ditto (1995) 11-15 11-14 SCREW PITCH GAUGE 7,1000 2 ditto ditto ditto (1995) 11-17 11-16 DC. VOLT AMPERE METER 7,1000 2 ditto ditto ditto (1995) 11-17 11-16 DC. VOLT AMPERE METER 8,1000 2 ditto ditto ditto (1995) 11-17 11-16 DC. SCREW PITCH GAINENTS) 1,935,000 2 ditto ditto (1995) 11-18 11-17 CIRCUIT TESTER 122,000 2 ditto ditto ditto (1995) 11-10 SPANNERS 13-500M (1995) 1,935,000 2 ditto ditto ditto (1995) 11-10 SPANNERS 13-500M (1995) 1,935,000 2 ditto ditto ditto (1995) 11-20 (10) DUGBLE END WEENCHES M3-M14 (1995) 11-20 (10) DUGBLE END WEENCHES M3-M14 (1995) 11-20 (10) URBLE END WEENCHES M3-M14 (1995) 11-20 (10) URBLE END WEENCHES (2) ditto ditto ditto ditto ditto (1995) 11-20 (1995) 1	AUG. 1999	11-11	11-10 TORGUE WRENCH			2	ditto	ditto	ditto	
AUG. 1999 11-13 11-12 TACHOMETER	AUG. 1999	11-12	11-11 INFRARED THERMOMETER			2	ditto	ditto :	ditto	
AUC. 1999   11-14   11-15   YYDRAULC TEST CALGE SET   95,600   2   ditto ditto ditto ditto   ditto	AUG. 1999	11-12	11-12 TACHOMETER			2	ditto	ditto	ditto	
AUG. 1999 11-16 11-15 XCREW PITCH GAUGE 7,1000 2 6 ditto ditto ditto dution 11-16 11-15 VACUUM TESTER 71,000 2 6 ditto ditto ditto dution 11-16 11-15 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto dution 11-16 11-15 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto dution 11-16 11-15 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto dution 11-16 11-15 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto dution 11-16 11-15 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto dution 11-16 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto dution 11-16 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto ditto dution 11-16 VACUUM TESTER 71,000 2 1 ditto ditto ditto ditto ditto dution 11-16 VACUUM TESTER 71,000 2 1 ditto d	AUG. 1999	11-14	11-12 HYDRAULIC TEST CALIGE SET					ditto	ditto	
AGC   1999   11-16   11-15   VACIUM TESTER   71,000   2   ditto   di	AUG. 1999	11-14	11-14 COPEW PITCH CALICE							
AUC. 1999   11-17   11-16 D.C. VOLT AMPERE METER   34,000   2 ditto ditto ditto   ditt	AUG. 1999	11-10	11-14 SCREW FITCH GAUGE							
AUG. 1999   11-18   11-17 CIRCUIT TESTER   124.000   2 ditto ditto ditto ditto ditto   12 TOOL SET (WITH CABINENTS)   1,936,000   2 ditto ditto ditto   10 DOUBLE END WRENCHES MG-MI4   ditto ditto   10 DOUBLE END WRENCHES MG-MI4   ditto ditto   10 DOUBLE END WRENCHES MG-MI4   ditto ditto   10 DOUBLE END WRENCHES MG-MI4   ditto ditto   10 DOUBLE END WRENCHES (2)   ditto ditto   10 DOUBLE END WRENCHES (2)   ditto ditto   10 DOUBLE END WRENCHES (2)   ditto ditto   10 DOUBLE END WRENCHES (2)   ditto ditto   10 DOUBLE END WRENCHES (2)   ditto ditto   10 DOUBLE END WRENCHES (3)   ditto ditto   10 DOUBLE END WRENCHES (4)   ditto ditto   10 DOUBLE END WRENCHES (5)   ditto ditto   10 DOUBLE END WRENCHES (6)   ditto ditto   10 DOUBLE END WRENCHES (7)   ditto ditto   10 DOUBLE END WRENCHES (8)   ditto ditto   10 DOUBLE END WRENCHES (9)   ditto ditto   10 DOUBLE END WRENCHES (9)   ditto ditto   10 DOUBLE END WRENCHES (9)   ditto ditto   10 DOUBLE END WRENCHES (9)   ditto   10 DOUBLE END WRENCHES (1)   ditto	AUG. 1999	11-10	11 16 D.C. VOLT AMPERE METER						ditto	
AUG. 1999   11-10   12 TOOL SET (WITH CABINENTS)   1936,000   2 ditto   ditto   ditto   ditto   SPANNERS 13-560MM   (39)   DOUBLE END WERNCHES MS-M14   ditto   ditt	AUG. 1999	11-17	11 17 CIDCUIT TECTED							
AUG. 1999 11-20 (10)  AUG. 1999 11-20 (10)  DOUBLE END WERNCHES M3-M14  AUG. 1999 11-21 DOUBLE END WERNCHES (2) ditto ditto ditto ditto ditto AUG. 1999 11-22 HOOK SPANNER WERNCHES (2) ditto ditto ditto ditto AUG. 1999 11-22 HOOK SPANNER WERNCHES (3) ditto ditto ditto ditto AUG. 1999 11-23 BOX WERNCH AUX IVIMM (1) ditto ditto ditto ditto AUG. 1999 11-25 BOX WERNCH AUX IVIMM (1) ditto ditto ditto ditto ditto AUG. 1999 11-26 AUG. 1999 11-27 PILTER WERNCHES (4) ditto	AUG. 1999	11-18	10 TOOL CET (MITH CARINENTS)					<del></del>		
AUG. 1999 11-20 (10)  AUG. 1999 11-21 DUBLE END WRENCHES (2) ditto	1110 1000	11 10	CDANNEDS 12 COMMA (20)	1,335,000						
AUG. 1999 11-20 (10)   ditto	AUG. 1999	11-19	SPAINNERS IS-OUMIN (33)				-		3.33.3	
AUG. 1999   11-21   DOUBLE END WEENCHES   22   ditto			DOORTE END MKENCHES MIS-MILA				ditto	ditto	ditto	
AUG. 1999 11-22 HOOK SPANNER WRENCHES AUG. 1999 11-22 HOOK SPANNER WRENCHES AUG. 1999 11-23 BOX WRENCH 14X17MM (1) AUG. 1999 11-24 WRENCH (HALFMON) (2) AUG. 1999 11-25 BOX WRENCH, OFFSET (6) AUG. 1999 11-26 ADUSTABLE WRENCHES (4) AUG. 1999 11-26 ADUSTABLE WRENCHES (1) SOCKET WRENCHES 13-36MM AUG. 1999 11-27 FILTER WRENCHES (1) SOCKET WRENCHES 13-36MM AUG. 1999 11-28 ADUSTABLE WRENCHES (1) SOCKET WRENCHES 13-36MM AUG. 1999 11-28 ADUSTABLE WRENCHES (1) SOCKET WRENCHES 13-36MM AUG. 1999 11-29 MARDLES (5) AUG. 1999 11-30 HANDLES (5) AUG. 1999 11-30 HANDLES (5) COMBINATION WRENCHES 7-60MM AUG. 1999 11-31 (26) SOCKET FOR IMPACT WRENCHES AUG. 1999 11-32 (21) SOCKET FOR IMPACT WRENCHES AUG. 1999 11-32 (21) SOCKET FOR IMPACT WRENCHES AUG. 1999 11-33 WRENCHES (3) AUG. 1999 11-34 (MPACT AUG. 1999 11-35 WRENCHES (3) AUG. 1999 11-36 WRENCHES (3) AUG. 1999 11-37 (21) AUG. 1999 11-38 (21) SOCKET FOR IMPACT WRENCHES AUG. 1999 11-36 (31) SOCKET FOR IMPACT WRENCHES (31) AUG. 1999 11-37 (31) AUG. 1999 11-38 (31) SOCKET FOR IMPACT (31) AUG. 1999 11-36 (31) SOCKET FOR IMPACT (32) AUG. 1999 11-36 (33) SOCKET FOR IMPACT (34) AUG. 1999 11-36 (34) AUG. 1999 11-37 (35) SOCKET ADAPTER FOR SOCKET (34) AUG. 1999 11-36 (34) AUG. 1999 11-37 (35) SOCKET ADAPTER FOR SOCKET (35) AUG. 1999 11-36 (34) AUG. 1999 11-37 (34) AUG. 1999 11-38 (34) AUG. 1999 11-38 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-36 (34) AUG. 1999 11-37 (34) AUG. 1999 11-38 (34) AUG. 1999 11-38 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-31 (34) AUG. 1999 11-31 (34) AUG. 1999 11-31 (34) AUG. 1999 11-35 (34) AUG. 1999 11-36 (34) AUG. 1999 11-37 (34) AUG. 1999 11-38 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG. 1999 11-39 (34) AUG	AUG. 1999	11-20	(10)		<del></del>					
AUG. 1999   11-23   BOX WRENCH (14X17MM   (1)			DOUBLE END WRENCHES (2)							
AUG. 1999   11-24   WRENCH (HALFMON)	AUG. 1999	11-22			<del></del>					
AUG. 1999 11-25 BOX WRENCH, OFISET (6) ditto ditto ditto AUG. 1999 11-26 ADUSTABLE WRENCHES (4) ditto	AUG. 1999	11-23				,				
AUG. 1999   11-25   ADJUSTABLE WRENCHES   (4)   ditto   ditt	AUG. 1999	11-24	(1118) (411 <u>(1118)</u>							
AUG. 1999 11-27 FILTER WRENCHES (1)  AUG. 1999 11-27 FILTER WRENCHES 13-36MM  AUG. 1999 11-28 (11)  AUG. 1999 11-29 WRENCHES 13-36MM  AUG. 1999 11-30 HANDLES (5)  AUG. 1999 11-30 HANDLES (5)  AUG. 1999 11-30 HANDLES (5)  AUG. 1999 11-31 (26)  AUG. 1999 11-32 (21)  AUG. 1999 11-32 (21)  AUG. 1999 11-32 (21)  AUG. 1999 11-32 (21)  AUG. 1999 11-32 (21)  AUG. 1999 11-33 WRENCHES (3)  AUG. 1999 11-34 (36)  AUG. 1999 11-35 WRENCHES (2)  AUG. 1999 11-36 WRENCHES (2)  AUG. 1999 11-37 WRENCHES (2)  AUG. 1999 11-38 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 WRENCHES (2)  AUG. 1999 11-30 WRENCHES (2)  AUG. 1999 11-31 (36)  AUG. 1999 11-36 WRENCHES (2)  AUG. 1999 11-37 WRENCHES (2)  AUG. 1999 11-38 (20)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-39 (21)  AUG. 1999 11-40 (31)  AUG. 1999 11-40 (31)  AUG. 1999 11-40 (31)  AUG. 1999 11-40 (31)  AUG. 1999 11-41 (31)  AUG. 1999 11-42 (31)  AUG. 1999 11-43 (41)  AUG. 1999 11-44 (41)  AUG. 1999 11-45 (41)  AUG. 1999 11-46 (A1)  AUG. 1999 11-47 (41)  AUG. 1999 11-47 (41)  AUG. 1999 11-48 (41)  AUG. 1999 11-49 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-41 (41)  AUG. 1999 11-42 (41)  AUG. 1999 11-43 (41)  AUG. 1999 11-44 (41)  AUG. 1999 11-45 (41)  AUG. 1999 11-46 (A1)  AUG. 1999 11-47 (41)  AUG. 1999 11-48 (41)  AUG. 1999 11-49 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-41 (41)  AUG. 1999 11-45 (41)  AUG. 1999 11-46 (A1)  AUG. 1999 11-47 (41)  AUG. 1999 11-48 (41)  AUG. 1999 11-49 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  AUG. 1999 11-40 (41)  A		11-25			<del></del>					
AUG. 1999 11-32 (21)  AUG. 1999 11-32 (28)  AUG. 1999 11-30 (ABD. 1999 11-30)  AUG. 1999 11-30 (ABD. 1999 11-30)  AUG. 1999 11-30 (ABD. 1999 11-30)  AUG. 1999 11-31 (26)  AUG. 1999 11-32 (21)  AUG. 1999 11-33 (21)  BEF SOCKET FOR IMPACT WRENCHES  AUG. 1999 11-33 (21)  BEF SOCKET FOR IMPACT  AUG. 1999 11-34 (ABD. 1999 11-35)  AUG. 1999 11-35 (21)  BEF SOCKET FOR IMPACT  WRENCHES (3)  BEXTNESION BAR FOR SOCKET OF  AUG. 1999 11-35 (WRENCHES (3))  BEXTNESION BAR FOR SOCKET OF  AUG. 1999 11-36 (ABD.		11-26	ADJUSTABLE WRENCHES (4)	<del>-</del>						
AUG. 1999   11-28   (11)   ditto   d	AUG. 1999	11-27					ditto	ши	aicto	
AUG. 1999 11-29   MENCHES (3)   ditto							dies	d:+4 c	طنهم	ļ
AUG. 1999   11-30   WRENCHES (3)   ditto   d	AUG. 1999	11-28	(11)				aitto	diffo	ditto	
AUG. 1999   11-30   HANDLES (5)   ditto   ditt		l		·			2:44.	طنده.	ما:ووم	}
AUG. 1999 11-31 (26)  AUG. 1999 11-32 (21)  DEEP SOCKET FOR IMPACT  AUG. 1999 11-33 (26)  AUG. 1999 11-34 (26)  EXTNESION BAR FOR SOCKET OF  AUG. 1999 11-35 (26)  WRENCHES (3)  EXTNESION BAR FOR SOCKET OF  AUG. 1999 11-36 (26)  WRENCHES (2)  AUG. 1999 11-37 (26)  AUG. 1999 11-38 (26)  AUG. 1999 11-38 (26)  AUG. 1999 11-38 (26)  AUG. 1999 11-39 (27)  AUG. 1999 11-36 (27)  AUG. 1999 11-37 (27)  AUG. 1999 11-38 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-39 (27)  AUG. 1999 11-31 (37)  AUG. 1999 11-31 (37)  AUG. 1999 11-32 (37)  AUG. 1999 11-34 (37)  AUG. 1999 11-35 (37)  AUG. 1999 11-36 (37)  AUG. 1999 11-37 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-31 (37)  AUG. 1999 11-31 (37)  AUG. 1999 11-32 (37)  AUG. 1999 11-34 (37)  AUG. 1999 11-35 (37)  AUG. 1999 11-35 (37)  AUG. 1999 11-36 (37)  AUG. 1999 11-37 (37)  AUG. 1999 11-38 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-31 (37)  AUG. 1999 11-31 (37)  AUG. 1999 11-31 (37)  AUG. 1999 11-32 (37)  AUG. 1999 11-34 (37)  AUG. 1999 11-35 (37)  AUG. 1999 11-36 (37)  AUG. 1999 11-37 (37)  AUG. 1999 11-38 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-39 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)  AUG. 1999 11-30 (37)	AUG. 1999	11-29		·						
AUG. 1999 11-32 (21)  AUG. 1999 11-32 (21)  AUG. 1999 11-33 (21)  AUG. 1999 11-33 (WRENCHES (3)  EXTRESION BAR FOR SOCKET OF AUG. 1999 11-34 (MPACT  AUG. 1999 11-35 (WRENCHES (2))  SOCKET ADAPTER FOR SOCKET  AUG. 1999 11-36 (WRENCHES (2))  SOCKET ADAPTER FOR SOCKET  AUG. 1999 11-37 (PIPE WRENCHES (2))  AUG. 1999 11-38 (COMBINATION PLIERS (2))  AUG. 1999 11-39 (OUTTING PLIERS (1))  AUG. 1999 11-39 (UTTING PLIERS (1))  AUG. 1999 11-40 (LONG NOSE PLIERS (1))  AUG. 1999 11-41 (DIAGONAL CUTTING PLIERS (1))  AUG. 1999 11-42 (WATER PUMP PLIERS (1))  AUG. 1999 11-43 (BALL PEIN HAMMERS (2))  AUG. 1999 11-44 (WATER PUMP PLIERS (1))  AUG. 1999 11-45 (SCREWDRIVER (-))  AUG. 1999 11-45 (SCREWDRIVER (-))  AUG. 1999 11-46 (SCREWDRIVER SOON (+,))  AUG. 1999 11-47 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-40 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-41 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-40 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-41 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-41 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-41 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-40 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-41 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-45 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-46 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-47 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-49 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-40 (SCREWDRIVERS COOS POINT)  AUG. 1999 11-40 (S	AUG. 1999	11-30		ļ <del> </del>			aitto	ditto	ditto	
AUG. 1999 11-32 (21)  AUG. 1999 11-33 (21)  AUG. 1999 11-33 WRENCHES (3)  EXTNESION BAR FOR SOCKET OF  AUG. 1999 11-34 IMPACT  AUG. 1999 11-35 WRENCHES (2)  AUG. 1999 11-36 WRENCHES (2)  SOCKET ADAPTER FOR SOCKET  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-38 COMBINATION PLIERS (2)  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-38 COMBINATION PLIERS (2)  AUG. 1999 11-39 CUTTING PLIERS (1)  AUG. 1999 11-40 LONG NOSE PLIERS (1)  AUG. 1999 11-41 DIAGONAL CUTTING PLIERS (1)  AUG. 1999 11-42 WATER PUMP PLIERS (1)  AUG. 1999 11-43 BALL PEIN HAMMERS (2)  AUG. 1999 11-44 SCREWDRIVER (-) (4)  AUG. 1999 11-45 SCREWDRIVER (-) (4)  AUG. 1999 11-46 SCREWDRIVERS BOX (+) (3)  AUG. 1999 11-47 COPPER HAMMERS (2)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-41 SCREWDRIVER (-) (4)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-41 SCREWDRIVER SEAS (1)  AUG. 1999 11-45 SCREWDRIVER SEAS (2)  AUG. 1999 11-47 SCREWDRIVER SEAS (2)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-41 SCREWDRIVER SEAS (1)  AUG. 1999 11-45 SCREWDRIVER SEAS (1)  AUG. 1999 11-45 SCREWDRIVER SEAS (2)  AUG. 1999 11-46 SCREWDRIVER SEAS (1)  AUG. 1999 11-47 SCREWDRIVER SEAS (2)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-50 SCREWDRIVER SEAS (1)  AUG. 1999 11-51 SNAP PLIERS (2)  AUG. 1999 11-55 CHIBELS (1)  AUG. 1999 11-56 CHIBELS (1)  AUG. 1999 11-57 SNAP PLIERS (2)  AUG. 1999 11-58 MARAURE STALLERS (1)  AUG. 1999 11-59 SNAP PLIERS (2)  AUG. 1999 11-50 SNAP PLIERS (2)  AUG. 1999 11-51 SNAP PLIERS (2)  AUG. 1999 11-54 MASURE IRON STEEL 2M, 5M (EACH  AUG. 1999 11-55 CENTER PUNCHES (1)  AUG. 1999 11-55 CENTER PUNCHES (1)  AUG. 1999 11-56 OUL STONE (1)  AUG. 1999 11-56 OUL STONE (1)  AUG. 1999 11-56 OUL STONE (1)  AUG. 1999 11-57 OUL STONE (1)  AUG. 1999 11-56 OUL STONE (1)  AUG. 1999 11-57 OUL STONE (1)  AUG. 1999 11-56 OUL STONE (1)  AUG. 1999 11-56 OUL STONE (1)							Tax.	ـ دداد	مانده	1
AUG. 1999   11-32   (21)	AUG. 1999	11-31	(26)				aitto	ditto	airco	
AUG. 1999 11-33 WRENCHES (3)  DEEP SOCKET FOR IMPACT  AUG. 1999 11-34 WRENCHES (3)  EXTNESION BAR FOR SOCKET OF  AUG. 1999 11-35 WRENCHES (2)  MINPACT  AUG. 1999 11-36 WRENCHES (2)  MURENCHES (5)  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-38 COMBINATION PLIERS (2)  AUG. 1999 11-39 COMBINATION PLIERS (1)  AUG. 1999 11-40 LONG NOSE PLIERS (1)  AUG. 1999 11-41 DIAGONAL CUTTING PLIERS (1)  AUG. 1999 11-42 WATER PUMP PLIERS (1)  AUG. 1999 11-43 BALL PEIN HAMMERS (2)  AUG. 1999 11-44 TESTING HAMMERS (2)  AUG. 1999 11-45 SCREWDRIVER (1)  AUG. 1999 11-46 SCREWDRIVER (-)  AUG. 1999 11-47 SCREWDRIVER SCROOS POINT  AUG. 1999 11-46 SCREWDRIVERS CROOS POINT  AUG. 1999 11-47 SCREWDRIVERS SOX (+,-)  AUG. 1999 11-47 SCREWDRIVERS BOX (+,-)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 PLASTIC HAMMERS (2)  AUG. 1999 11-41 SCREWDRIVERS CROOS POINT  AUG. 1999 11-45 SCREWDRIVERS CROOS POINT  AUG. 1999 11-47 SCREWDRIVERS BOX (+,-)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 PLASTIC HAMMERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (3)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 11-50 VISE CRIP PLIERS (1)  AUG. 1999 1		l	SOCKET FOR IMPACT WRENCHES					10.4	3:44	1
DEEP SOCKET FOR IMPACT   ditto   dit	AUG. 1999	11-32	(21)				ditto	anto	aitto	
AUG. 1999 11-34 IMPACT AUG. 1999 11-35 WRENCHES (2) AUG. 1999 11-36 WRENCHES (2)  AUG. 1999 11-36 WRENCHES (2)  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-38 COMBINATION PLIERS (2)  AUG. 1999 11-39 CUTTING PLIERS (1)  AUG. 1999 11-40 LONG NOSE PLIERS (1)  AUG. 1999 11-41 DIAGONAL CUTTING PLIERS (1)  AUG. 1999 11-42 WATER PUMP PLIERS (1)  AUG. 1999 11-43 BALL PEIN HAMMERS (2)  AUG. 1999 11-44 TESTING HAMMERS (2)  AUG. 1999 11-45 SCREWDRIVER (-) (4)  AUG. 1999 11-46 SCREWDRIVER SOX (+,-) (3)  AUG. 1999 11-47 SCREWDRIVERS SOX (+,-) (3)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 PLASTIC HAMMERS (2)  AUG. 1999 11-49 PLASTIC HAMMERS (2)  AUG. 1999 11-49 PLASTIC HAMMERS (2)  AUG. 1999 11-40 SCREWDRIVERS BOX (+,-) (3)  AUG. 1999 11-49 PLASTIC HAMMERS (2)  AUG. 1999 11-41 SCREWDRIVERS CROOS POINT  AUG. 1999 11-45 COPPER HAMMERS (2)  AUG. 1999 11-46 SCREWDRIVERS CROOS POINT  AUG. 1999 11-47 SCREWDRIVERS CROOS POINT  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (3)  AUG. 1999 11-50 VISE CRIP PLIERS (4)  AUG. 1999 11-50 VISE CRIP PLIERS (4)  AUG. 1999 11-50 VISE CRIP PLIERS (4)  AUG. 1999 11-50 VISE CRIP PLIERS (4)  AUG. 1999 11-50 VISE CRIP PLOCHES (1)  AUG. 1999 11-50 VERNIER CALIPERS 150-200MM (2)  AUG. 1999 11-50 VERNIER CALIPERS 150-200MM (2)  AUG. 1999 11-50 VISE CRIP CALIPERS 150-200MM (2)  AUG. 1999 11-50 VISE CRIP CALIPERS 150-200MM (2)  AUG. 1999 11-50 VISE CRIP CALIPERS 150-200MM (2)  AUG. 1999 11-50 VISE CRIP CALIPERS 150-200MM (2)  AUG. 1999 11-50 VISE CRIP CALIPERS 150-200MM (2)  AUG. 1999 11-50 VISE CRIP CALIPERS 150-200MM							Pro c	1.4	1:44-	-
EXTRESION BAR FOR SOCKET OF   ditto	AUG. 1999	11-33	WRENCHES (3)				ditto	ditto	aitto	
AUG. 1999 11-35 WRENCHES (2)  AUG. 1999 11-36 WRENCHES (5)  AUG. 1999 11-36 WRENCHES (2)  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-38 COMBINATION PLIERS (2)  AUG. 1999 11-39 CUTTING PLIERS (1)  AUG. 1999 11-40 LONG NOSE PLIERS (1)  AUG. 1999 11-41 DIAGONAL CUTTING PLIERS (1)  AUG. 1999 11-42 WATER PUMP PLIERS (1)  AUG. 1999 11-42 WATER PUMP PLIERS (1)  AUG. 1999 11-45 BALL PEIN HAMMERS (2)  AUG. 1999 11-46 SCREWDRIVER (-) (4)  AUG. 1999 11-45 SCREWDRIVER (-) (4)  AUG. 1999 11-46 SCREWDRIVER SOOS POINT (3)  AUG. 1999 11-47 SCREWDRIVER SOOS POINT (4)  AUG. 1999 11-47 SCREWDRIVER SOOS POINT (5)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (3)  AUG. 1999 11-50 VISE CRIP PLIERS (4)  AUG. 1999 11-50 VISE CRIP PLIERS (5)  AUG. 1999 11-50 VISE CRIP PLIERS (6)  AUG. 1999 11-50 VISE CRIP PLIERS (6)  AUG. 1999 11-50 VISE CRIP PLIERS (6)  AUG. 1999 11-50 VISE CRIP PLIERS (6)  AUG. 1999 11-50 VISE CRIP PLIERS (6)  AUG. 1999 11-50 VISE CRIP PLIERS (6)  AUG. 1999 11-50 VISE CRIP PLIERS (6)  AUG.							be	,	17.	Ī
AUG. 1999   11-35   WRENCHES   (2)   ditto   ditto   ditto   ditto   AUG. 1999   11-36   WRENCHES (5)   ditto   ditto   ditto   AUG. 1999   11-37   PIPE WRENCHES   (2)   ditto   ditto   ditto   AUG. 1999   11-38   COMBINATION PLIERS   (2)   ditto   ditto   ditto   AUG. 1999   11-39   CUTTING PLIERS   (1)   ditto   ditto   ditto   AUG. 1999   11-40   LONG NOSE PLIERS   (1)   ditto   ditto   ditto   AUG. 1999   11-41   DIAGONAL CUTTING PLIERS   (1)   ditto   ditto   ditto   AUG. 1999   11-42   WATER PUMP PLIERS   (1)   ditto   ditto   ditto   AUG. 1999   11-43   BALL PEIN HAMMERS   (2)   ditto   ditto   ditto   AUG. 1999   11-44   TESTING HAMMERS   (2)   ditto   ditto   ditto   AUG. 1999   11-45   SCREWDRIVER (-)   (4)   ditto   ditto   ditto   AUG. 1999   11-46   SCREWDRIVER SOX (+,-)   (3)   ditto   ditto   ditto   AUG. 1999   11-47   SCREWDRIVERS BOX (+,-)   (3)   ditto   ditto   ditto   AUG. 1999   11-48   PLASTIC HAMMERS   (2)   ditto   ditto   ditto   AUG. 1999   11-49   PLASTIC HAMMERS   (2)   ditto   ditto   ditto   AUG. 1999   11-47   SCREWDRIVERS BOX (+,-)   (3)   ditto   ditto   ditto   AUG. 1999   11-49   COPPER HAMMERS   (2)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (2)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (2)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (2)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (3)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (3)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (3)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (4)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (5)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (5)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (5)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (5)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS   (5)   ditto   ditto   ditto   AUG. 1999   11-50   VISE CRIP PLIERS	AUG. 1999	11-34	IMPACT •							
AUG. 1999 11-36 WRENCHES (5)  AUG. 1999 11-37 PIPE WRENCHES (2)  AUG. 1999 11-38 COMBINATION PLIERS (2)  AUG. 1999 11-39 CUTTING PLIERS (1)  AUG. 1999 11-40 LONG NOSE PLIERS (1)  AUG. 1999 11-41 DIAGONAL CUTTING PLIERS (1)  AUG. 1999 11-42 WATER PUMP PLIERS (1)  AUG. 1999 11-43 BALL PEIN HAMMERS (2)  AUG. 1999 11-44 TESTING HAMMERS (2)  AUG. 1999 11-45 SCREWDRIVER (-) (4)  AUG. 1999 11-45 SCREWDRIVERS BOX (+,-) (3)  AUG. 1999 11-47 SCREWDRIVERS BOX (+,-) (3)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-50 CIPER RING SETS (1 SET)  AUG. 1999 11-51 SNAP PLIER RING SETS (1 SET)  AUG. 1999 11-55 CHISELS (1)  AUG. 1999 11-55 VERNER CALIPERS 150-200MM (2)  AUG. 1999 11-56 OIL STONE (1)		11-35	WRENCHES (2)				ditto	ditto		
AUG. 1999 11-37 PIPE WRENCHES (2) ditto ditto ditto ditto AUG. 1999 11-38 COMBINATION PLIERS (1) ditto ditto ditto ditto ditto AUG. 1999 11-39 CUTTING PLIERS (1) ditto ditto ditto ditto ditto AUG. 1999 11-40 LONG NOSE PLIERS (1) ditto			SOCKET ADAPTER FOR SOCKET						1	-
AUG. 1999   11-37   PIPE WRENCHES   (2)   ditto   ditto   ditto   AUG. 1999   11-38   COMBINATION PLIERS   (1)   ditto	AUG. 1999	11-36	WRENCHES (5)							
AUG. 1999 11-38 COMBINATION PLIERS (2) ditto dit	ALIC: 1999	11-37	PIPE WRENCHES (2)							
AUG. 1999 11-39 CUTTING PLIERS (1) ditto ditto ditto AUG. 1999 11-40 LONG NOSE PLIERS (1) ditto ditto ditto AUG. 1999 11-41 DIAGONAL CUTTING PLIERS (1) ditto ditto ditto ditto AUG. 1999 11-42 WATER PUMP PLIERS (1) ditto ditto ditto AUG. 1999 11-43 BALL PEIN HAMMERS (2) ditto ditto ditto AUG. 1999 11-44 TESTING HAMMERS (2) ditto ditto ditto AUG. 1999 11-45 SCREWDRIVER (-) (4) ditto ditto ditto AUG. 1999 11-46 SCREWDRIVERS CROOS POINT ditto ditto ditto ditto AUG. 1999 11-47 SCREWDRIVERS BOX (+, -) (3) ditto ditto ditto ditto AUG. 1999 11-47 SCREWDRIVERS BOX (+, -) (3) ditto ditto ditto ditto AUG. 1999 11-49 COPPER HAMMERS (2) ditto ditto ditto AUG. 1999 11-49 COPPER HAMMERS (2) ditto ditto ditto AUG. 1999 11-50 VISE CRIP PLIERS (2) ditto ditto ditto AUG. 1999 11-51 SNAP PLIER RING SETS (1 SET) ditto ditto ditto AUG. 1999 11-52 CHISELS (1) ditto ditto ditto ditto AUG. 1999 11-54 MEASURE IRON STEEL 2M, 5M (EACH ditto dit	AUG. 1999	11-38	COMBINATION PLIERS (2)							
AUG. 1999 11-40 LONG NOSE PLIERS (1) ditto	AUG. 1999	11-39	CUTTING PLIERS (1)							
AUG. 1999 11-41 DIAGONAL CUTTING PLIERS (1) ditto ditt	AUG. 1999	11-40	LONG NOSE PLIERS (1)		<u>.                                    </u>					
AUG. 1999 11-42 WATER PUMP PLIERS (1) ditto ditt			DIAGONAL CUTTING PLIERS (1)		<u> </u>					
AUG. 1999 11-43 BALL PEIN HAMMERS (2) ditto ditt										
AUG. 1999 11-44 TESTING HAMMERS . (2)  AUG. 1999 11-45 SCREWDRIVER (-) (4)  AUG. 1999 11-46 SCREWDRIVERS CROOS POINT  AUG. 1999 11-47 SCREWDRIVERS BOX (+,-) (3)  AUG. 1999 11-47 SCREWDRIVERS BOX (+,-) (3)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS . (2)  AUG. 1999 11-51 SNAP PLIER RING SETS (1 SET)  AUG. 1999 11-52 CHISELS (1)  AUG. 1999 11-53 CENTER PUNCHES (1)  AUG. 1999 11-54 MEASURE IRON STEEL 2M, 5M (EACH  AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2)  AUG. 1999 11-56 OIL STONE (1)										
AUG. 1999 11-45 SCREWDRIVER (-) (4) ditto ditto ditto ditto ditto AUG. 1999 11-46 SCREWDRIVERS CROOS POINT ditto d						-	ditto			
AUG. 1999 11-46 SCREWDRIVERS CROOS POINT  AUG. 1999 11-47 SCREWDRIVERS BOX (+,-) (3)  AUG. 1999 11-48 PLASTIC HAMMERS (2)  AUG. 1999 11-49 COPPER HAMMERS (2)  AUG. 1999 11-50 VISE CRIP PLIERS (2)  AUG. 1999 11-51 SNAP PLIER RING SETS (1 SET)  AUG. 1999 11-52 CHISELS (1)  AUG. 1999 11-53 CENTER PUNCHES (1)  AUG. 1999 11-53 CENTER PUNCHES (1)  AUG. 1999 11-54 MEASURE IRON STEEL 2M, 5M (EACH  AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2)  AUG. 1999 11-56 OIL STONE (1)  AUG. 1999 11-56 OIL STONE (1)							ditto			
AUG. 1999 11-47 SCREWDRIVERS BOX (+,-) (3) ditto ditto ditto ditto AUG. 1999 11-48 PLASTIC HAMMERS (2) ditto ditto ditto AUG. 1999 11-49 COPPER HAMMERS (2) ditto ditto ditto AUG. 1999 11-50 VISE CRIP PLIERS .(2) ditto ditto ditto ditto AUG. 1999 11-51 SNAP PLIER RING SETS (1 SET) ditto ditto ditto ditto AUG. 1999 11-52 CHISELS (1) ditto ditto ditto ditto AUG. 1999 11-53 CENTER PUNCHES (1) ditto ditto ditto AUG. 1999 11-54 MEASURE IRON STEEL 2M, 5M (EACH ditto ditto ditto ditto AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2) ditto ditto ditto AUG. 1999 11-56 OIL STONE (1) ditto ditto ditto			SCREWDRIVERS CROOS POINT				ditto	ditto	ditto	
AUG. 1999 11-48 PLASTIC HAMMERS (2) ditto ditto ditto AUG. 1999 11-49 COPPER HAMMERS (2) ditto ditto ditto AUG. 1999 11-50 VISE CRIP PLIERS .(2) ditto ditto ditto AUG. 1999 11-51 SNAP PLIER RING SETS (1 SET) ditto ditto ditto AUG. 1999 11-52 CHISELS (1) ditto ditto ditto AUG. 1999 11-53 CENTER PUNCHES (1) ditto ditto ditto AUG. 1999 11-54 MEASURE IRON STEEL 2M, 5M (EACH ditto ditto ditto ditto ditto AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2) ditto ditto ditto AUG. 1999 11-56 OIL STONE (1)	ALIC 1000	11-47	SCREWDRIVERS BOX (+ -) (3)				ditto	ditto	ditto	
AUG. 1999 11-48   COPPER HAMMERS (2)   ditto	ALIC 1999		0010112111				ditto	ditto	ditto	
AUG. 1999 11-50 VISE CRIP PLIERS .(2) ditto ditt	ALIC 1000	11-40	121011011011					ditto	ditto	
AUG. 1999 11-51 SNAP PLIER RING SETS (1 SET)  AUG. 1999 11-52 CHISELS (1)  AUG. 1999 11-53 CENTER PUNCHES (1)  AUG. 1999 11-53 CENTER PUNCHES (1)  AUG. 1999 11-54 MEASURE IRON STEEL 2M, 5M (EACH  AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2)  AUG. 1999 11-56 OIL STONE (1)  AUG. 1999 11-56 OIL STONE (1)		11-50								
AUG. 1999 11-51   GINAF FEIE NAME SETS (1)   ditto   d		11-50	CNAD DUED DINC CETC (1 CET)	·						
AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2)  AUG. 1999 11-56 OIL STONE (1)  ditto				<del> </del>						
AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2) ditto ditto ditto  AUG. 1999 11-56 OIL STONE (1) ditto ditto ditto  AUG. 1999 11-56 OIL STONE (1)			CHISELS (1)	<del> </del>	<del></del>					
AUG. 1999 11-54 MEASORE INON STREET 2M, SIN (2507)  AUG. 1999 11-55 VERNIER CALIPERS 150-200MM (2)  AUG. 1999 11-56 OIL STONE (1)  ditto ditto ditto		11-53	CENTER PUNCHES (1)							
AUG. 1999 11-56   OIL STONE (1)   ditto   ditto   ditto			MEASURE IRON STEEL 2M, 5M (EACH							
AUG. 1999   11-56   OIL 3 TOINE   (1)	AUG. 1999			ļ						<del></del> -
AUG. 1999   11-57   FILE SETS (1 SET)	AUG. 1999	11-56		<del> </del>						
	AL'G. 1999	11-57	FILE SETS (1 SET)	l	L	L	anto .	ditto -	uiii0	

Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity				Remarks
						Utility (Store)	of Utility	Maintena	
ALIG 1990	11-58	NEEDLE FILE SETS (1 SET)				ditto	ditto	nce ditto	
		OILERS PISTOL TYPE (1)				ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999	11-61	PINCH BARS (I)				ditto	ditto	ditto	
AUG. 1999		WIRE BRUSHES (1)				ditto	ditto	ditto	
AUG. 1999		EYE BOLT M10-M11 (1)	· · ·			ditto	ditto	ditto	
AUG. 1999	11-64	SCRAPERS (1)				ditto	ditto	ditto	
	11-65	UNIVERSAL SCISSORES (1)					ditto	ditto	
AUG. 1999		MAGNETIC FINGER (1)				ditto	ditto	ditto	
AUG. 1999	11-67	IRON STEEL RULE 300MM (1)				ditto	ditto	ditto	
AUG. 1999	11-68	PLASTIC BARS 20X200MM (1)				ditto ditto	ditto ditto	ditto ditto	
AUG. 1999	11-69	SOCKET WRENCHES (14) POWER WRENCHES (3)				ditto	ditto	ditto	
						ditto	ditto	ditto	
AUG. 1999	11-71	TAP DIES SETS (20) TAP SETS FOR PIPE (6)				ditto	ditto	ditto	
		AIR BREEDER				ditto		ditto	
AUG. 1999	11-74	WRENCHES FOR BRAKE (2)				ditto		ditto	
,,00, 1999	11 11	1 WATER QUALITY TEST KIT FOR							
AUG. 1999	11-75	DRINKING WATER	223,000	· ·	_ 2	ditto	ditto	ditto	
AUG. 1999	11-76	WATER TESTER WAS-D2						ditto	
AUG. 1999	11-77	DETAILS						ditto	
AUG. 1999	11-78	WATER OF TURBIDITY & COLOR 0 (1)						ditto	
AUG. 1999	11-79	TEST TUBES (2)				ditto	ditto	ditto	
AUG. 1999		STANDARD SHEET FOR TRIBIDMIETER (3)				ditto	ditto	ditto	
AUG. 1999	11-81	FOR COLORMETER (3)						ditto	
AUG. 1999		BRUSH			· ·	ditto	ditto	ditto	
AUG. 1999		SMELLMETER						ditto	
AUG. 1999								ditto	
AUG. 1999		SOLD FUEL (1)						ditto	
AUG. 1999	11-86	DRIVER (1)						ditto	
AUG. 1999	11-87	THERMOETER (1)						ditto	
AUG. 1999	11-88	ASBESTOS WIRE NET (1)						ditto	
AUG. 1999	11-89	TRIPOD (1)						ditto ditto	
AUG. 1999	11-90	PAPER CUB (BOX) (1) TEST SET FOR KMN CONSUMPTION						ditto	
AUG. 1999		PACK TEST (9)						ditto	
AUG. 1999   AUG. 1999		DROP TEST (2)	<del>-                                    </del>					ditto	
AUG. 1999	11-99	STANDARD COUNT BACTERIAL PAPER				0.1.0	4,660	.,,,,	
AUG. 1999	11-94	(BOX) (2)				ditto	ditto	ditto	
AUG. 1999	11-95	COLIFORM TEST PAPER (BOX) (2)				ditto	ditto	ditto	
AUG. 1999		BEAKERS, PLASTIC (1)						ditto	
AUG. 1999	11-97	CASE (1)						ditto	
		CONSUMPTION				<del></del>		ditto	
AUG. 1999	11-98	SUPPLEMENTAL REAGENT SET	93,000					ditto	
AUG. 1999	11-99	3 TRIANGULAR WEIR	567,000				ditto	ditto	
AUG. 1999   1	11-100	4 WATER LEVEL MEASURE .	97,200					ditto	
AUG. 1999 1	11-101	8 WORKING WEAR I SIZE	13,000 26,000					ditto ditto	
110 1000	1 100	LI SIZE ·	22,500					ditto	
AUG. 1999	11-102	9 HELMET 10 CAMPING APPARATUS	22,500					ditto	
ALIC TOOD			209,250					ditto	
AUG. 1999 1		TENT CAMPING BED	60,000					ditto	
AUG. 1999   1	11-104	CAMPING BED SLEEPING BAGS	150,000					ditto.	
AUG. 1999   1			79,500				1011	ditto	
AUG. 1999   AUG. 1999	11-100	5 TRIPOD	47,350					ditto	
AUG. 1999 1 AUG. 1999 1	11-108	6 WINCH	72,000					ditto	
1,00, 1000 1	1 100	WITH STANDARD ACCESSARIES						ditto	
		(WIRE ROPE 8MMX50M 1)						ditto	
AUG. 1999 1	1-109	7 CHAIN BLOCK	73,000				ditto (	litto	
AUG. 1999 1	11-110	Submerssible Motor Pump				ditto	ditto d	ditto	
		Consisting of:				litto (	ditto (	itto	
AUG. 1999	1-111	Main Unit Model: FZ621/9-65-7.5	1,538,000		l unit	litto (	ditto (	itto	
		accessories			To	litto (	ditto d	ditto	
ALC: 1999 1	1-112	Power Cable 3.5mm x 80m (1)						litto	
100, 1001		Discharge Frame 65A (JIS10K) (1)			7	litto (	ditto d	litto	

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							1 =	Revised: J	
Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity		Condition	1	Remarks
1					ļ	Utility	of Utility	of	
		•				(Store)		Maintena	
1 .								nce	
AUG. 1999	11-114	Compound Gauge 50kgf/cm2 (1)				ditto	ditto	ditto	
		Air Vent Valve 15A (1)				ditto	ditto	ditto	
		Check Valve 65A (JIS10K) (1)				ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999		Bidle (director)				ditto	ditto	ditto	
						ditto	ditto	ditto	
AUG. 1999							ditto	ditto	
AUG. 1999		Discharge Pipe 65Ax10kX90o (1)				ditto	\$		
AUG. 1999						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999	11-123	Foundation Bolt/Nut L-m12x200L (4)		•		ditto	ditto	ditto	
AUG. 1999	11-124	Packing 65A x JIS10K (3)		•		ditto	ditto	ditto	
		Control Panel No. 99517-380V 50Hz							
AUG. 1999	11-125	7.5kW (1)		•		ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
700. 1993	11 120	foundation Bolt/Nut Galvanized L-							
AUG 1008	11-127					ditto	ditto	ditto	
ACG. 1999	11-121	M12x200 (4)		· · · · · · · · · · · · · · · · · · ·		ditto	arteo	шисо	
	,, ,,,,	CV Cable CV 5.5mm2 x 3c x 10m				ditto	ditto	ditto	
AUG. 1999	11-128	<u>(1)</u>	<b></b>			ditto			
		Submerssible Motor Pump				ditto	ditto	ditto	
		Consisting of:				ditto		ditto	
AUG. 1999	11-131	Main Unit Model: FZ621/9-65-11	2,975,000		1 unit	ditto	ditto	ditto	
		accessories				ditto	ditto	ditto	
AUG. 1999	11-132	Power Cable 3.5mm x 80m (1)				ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999	11-125					ditto	ditto	ditto	
						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999		Sluic Valve 65A (JISTOK) (1)				ditto	ditto	ditto	
AUG. 1999			<u></u>		•			ditto	
AUG. 1999						ditto			
AUG. 1999		Discharge Pipe 65Ax10kX90o (1)				ditto		ditto	
AUG. 1999	11-141	Bolt/Nut Galvanized M16x60 (10)				ditto		ditto	
AUG. 1999	11-142	Sstud Bott Nut Galvanized N16x75 (2)				ditto	-	ditto	
AUG. 1999	11-143	Foundation Bolt/Nut L-m12x200L (4)				ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
7100. 1555		Control Panel No. 99517 380V 50Hz					٠.		
AUG. 1999	11-145	111/1/ (1)				ditto	ditto	ditto	
AUC 1000	11-146	Stand for Control Panel (1)				ditto		ditto	
AUG. 1999	11-140	Foundation Bolt/Nut L-m12x200L (4)				ditto		ditto	
AUG. 1999	11-147	Foundation Boil/Nut L-M12X200L (4)				unto	unceo	unco	
1 !		Spare parts for Submerssible Motor Pump				1		ditto	
AUG. 1999	11-148	compount Guage				ditto			
AUG. 1999	11-149	20kf/om2 (2)				ditto		ditto	
AUG. 1999	11-150	3E Relay for 7.5kw K2CM-2L (1)				ditto		ditto	
AUG. 1999	11-151	3E Relay for 7.5kw K2CM-2L (1)			•	ditto	ditto	ditto	
		Electromagnetic Contactor SC-1N for	]	. 1					
AUG. 1999	11-152	7.5KW (1)				ditto	ditto	ditte	
		Electromagnetic Contactor SC-1N x2							
		Sc-5-1x1 (3)	ļ ļ			ditto	ditto	ditto	·
								ditto	
						ditto		ditto	
AUG. 1999	11-155	Fuse for 220V (6)				unto	GILLO	GILLO.	
j	İ	Lamp Set Red x2, Whitex2, Orange X 2				3,	3711	ا	
AUG. 1999			<b> </b>					ditto	
AUG. 1999	11-157	Hand Pump		<u>`</u>		ditto		ditto	
		Consisting of:				ditto		ditto	
AUG. 1999	11-158	Main Unit OPA-4	2,734,000		2 units	ditto	ditto	ditto	
, 100, 100	100	accessories				ditto	ditto	ditto	
AUG. 1999	11-150					ditto		ditto	
								ditto	
AUG. 1999								ditto	
AUG. 1999			<b></b>						
AUG. 1999								ditto	
AUG. 1999	11-163		ļ					ditto	
AUG. 1999	11-164	Wire (2)				ditto	ditto	ditto	
AUG. 1999		Safety Cover (2)	٠.			ditto	ditto	ditto	
AUG. 1999								ditto	
								ditto	
AUG. 1999		Cymraer Pump unit (2)	<del>                                     </del>	-				ditto	·
AUG. 1999	111-168	Foot Valve with Strainer SUS304 (2)				ditto	uitto	uitto	

		List of Machinery and Equ						Revised: J	ULY 2002
Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity		Condition		Remarks
-			<b> </b> ·			Utility	of Utility	of	
1						(Store)	1	Maintena	
AUG. 1999	11-160	Balance Weight (2)		* . ** **		ditto	ditto	nce ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999	11-173	Hexagonal Nut M12x50L (50)				ditto	ditto	ditto	
AUG. 1999	11-174					ditto	ditto	ditto	
	<u> </u>	Spare Parts				ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999 AUG. 1999	11-176	Piston (Standing Valve) (1)				ditto	ditto	ditto ditto	
AUG. 1999 AUG. 1999						ditto ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999							ditto	ditto	
AUG. 1999						dítto	ditto	ditto	
AUG. 1999		Electric Generator SDG35S-3A2 (1)				ditto		ditto	
		30KVA 50HZ AC220V(SP) 380V (3P)	,			ditto		ditto	
<u> </u>		Electric Generator SDG35S-3A2	1.510.005			ditto		ditto	
		Main Unit	1,513,000			ditto		ditto	
ALC 1000	11, 107	Spare Parts for Electric Generator 3214311800 Element (2)				ditto		ditto ditto	
AUG. 1999		3214311800 Element (2) 4693900600 Bulb, Illuminator (1)				ditto ditto		ditto	
		8943212191 Cartridge, Oil Filter (4)						ditto	
AUG. 1999						ditto		ditto	
AUG. 1999								ditto	
		9153390510 Dust Cover, Nozzle (4)				ditto		ditto	
AUG. 1999	11-190	5136710450 Belt, Cooling Fan (2)				ditto		ditto	
AUG. 1999	11-191	Portable Bore Hole Logging System MGX				ditto		ditto	
		Consisting of	1 000 000					ditto	
AUG. 1999	11-192		4,020,000					ditto ditto	
		including Power winch with Display of Depth		<del>  </del>				ditto	
		Armerd Cable 300m (Single)						ditto	
		Tripod						ditto	
		Shieve						ditto	
		Carrying Container				ditto		ditto	
		Software (LOGSHELL, POLYLOG) ·						ditto	
AUG. 1999		Combination Polyplobe	2,589,000					ditto	
AUG. 1999		Water Qulaity Assemble Option 2WQA-1	746,000					ditto ditto	
AUG. 1999	11-195	Personal Computer Not Book Type TOSHIBA DYNABOOK	420,000					ditto	
AUG. 1999	11-196			•				ditto	
AUG. 1999		Auto Line Scrolling Option (for winch)	79,700	•				ditto	
	401	Three Arm Caliper Plobe with Extension					1		
AUG. 1999	11-198	Arm	610,000		l unit	ditto		litto	
AUG. 1999	11-199	Carrying Container for Plobe	1,493,000					litto	
		Carrying Container for PC and Plotter	25,000					ditto	
AUG. 1999	11-201	Software for Data Processing	46,000					litto	
4110 1000	11 000	WELLCAD FOR WINDOWS	199,000					litto litto	
AUG. 1999	11-202	Inverter 12VDC 500W Electric Generator EM4500SX Main Unit	280,000					litto	
700. 1999	11-203	Spare Parts	28,000					litto	
<del> </del>		consisting of		•	<del></del>			litto	
AUG. 1999	11-204	Plug Spare 98079-55846 (10)						litto	
		Gasket, Sylinder Head 12251-ZE3-W00			-				
AUG. 1999	11-205	(1)				ditto (	ditto d	litto	
		Washer, Drain Plug 12M/M 94109-12000	.*	T	T	T	T		1
AUG. 1999		(10)						litto	
AUG. 1999		Cap, Oilfiller 15620-ZE2-700 (1)						litto	
AUG. 1999	11-208	O-Ring 26 x 2.7 91301-805-000 (1(				litto (	litto c	litto	
AUG 1000		Starter Assembly, Recoil 28400-ZE3-				litto (	litto d	litto	
AUG. 1999 AUG. 1999	11-210	Element, Air Cleaner 17211-899-000 (1)						litto	
VOO. 1999	11-210	Cock Assembly, Fuel 16950–2B4-015							
AUG. 1999	11-211				lc	litto d	litto d	litto	
1,00,1727		151						ماست تت	

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Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition	Condition	Remarks
						Utility	of Utility		
1						(Store)	ļ	Maintena	
								nce	-
		Coil Assembly, Ignission 30500-ZE2-023							
AUG. 1999	11-212	(1)				ditto	ditto	ditto	
		Cap Assembly, Noise Surpresser 30700-							į
AUG. 1999	11-213	ZEI-013 (1)				ditto	ditto	ditto	
		Spare parts	151,300		1 unit	ditto	ditto	ditto	
		consisting of				ditto	ditto	ditto	
AUG. 1999	11-214					ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
ALIC 1999	11-218	Cartridge, Oil Filter 8943212191 (16)				ditto	ditto	ditto	
AUG. 1999	11-219	Cartridge, Oil Filter 8944147963 (16)				ditto	ditto	ditto	
		Packing Nozzle 5153150030 (28)				ditto	ditto	ditto	
AUG. 1999	11-221	Packing Nozzle Lead off 1096300820 (56)				ditto	ditto	ditto	
AUG. 1999						ditto	ditto	ditto	
AUG. 1999	11 202	Packing, Head cover 894109120 (2)				ditto	ditto	ditto	
AUG. 1999	11-223	Packing, Head cover 634103120 (2)				ditto	ditto	ditto	
AUG. 1999	11-224	Belt, Cooling Fan 5136710450 (6)				dicto	unco	aitty.	
		24 MR-2916 Surface Plate	506 000		2 200	d:++ a	ditto	ditto	
AUG. 1999	11-225	1000X1000X125mm	526,000	<del></del>	2 pcs	ditto	ditto	ditto	
AUG. 1999	11-226	14 kQ-6553 Gear Puller (2 Jaws), 6 ton	7,200		1 pc	ditto	ditto	ditto	
AUG. 1999	11-227	15 KQ-6555 Gear Puller (2 Jaws), 12 ton	27,000		1 pc	ditto	ditto		
		16 KQ-6616 Gear Puller (3 Jaws), 7ton	25,000		1 set	ditto	ditto	ditto	
		17 kQ-6617 Gear Puller, 5ton	9,000		1 set	ditto	ditto	ditto	
		19 CY-0101 Hand Operated Pump.	490,000			ditto	ditto	ditto	
AUG. 1999	11-231	20 CY-0401 Puller, 50 ton	320,000			ditto	ditto	ditto	
AUG. 1999	11-232	21 CY-0402 Puller, 50 ton (short travie)	180,000			ditto		ditto	
AUG. 1999	11-233	22 CY-0403 Puller, 30 Ton	160,000		2 units	ditto		ditto	
AUG. 1999	11-234	23 CY-0404 Puller, 30 ton (short travel)	168,000			ditto		ditto	
AUG. 1999	11-235	25 BS-1002 Rigid Rack 10ton, 2pcs/set	56,000		2 sets	ditto	ditto	ditto	
AUG 1999	11-236	26 BS-1101 Service Creeper:	34,000		4 pcs	ditto	ditto	ditto	
		27 MR-0504 Dial Indicator, 0-5mm	50,000		2 pcs	ditto	ditto	ditto	
		28 MR-0602 Magnetic Base	8,000		2 pcs	ditto	ditto	ditto	
700.1000	11 200	29 MR-3701 firm Joint Caliper for inside,							
AUG. 1999	11-230	150mm	1,800		2 pcs	ditto	ditto	ditto	
AUG. 1333	11 200	30 MR-3704 Firm Joint Caliper For		•					
ALIC 1000	11-240	outside, 150mm	1,800	* .	2 pcs	ditto	ditto	ditto	
AUG. 1999	11-241	31 MR-3305 V Block	28,000	······································				ditto	
AUG. 1999 I	11-242	32 MR-3404 Surface Gauge (300m)	19,000			ditto		ditto	
ACG. 1999	11-242	35-1 TSEZTOOO01-1 Video Pap for				451.35			
AUG. 1999	11_949	Tesising	22,000	i	1 set	ditto	ditto	ditto	
AUG. 1999	11-243	(Check Point for KOMATSU Engine)	22,000					ditto	
AUG. 1999	11-244	CHECK FOIRT OF NOMATISC Engine				ditto		ditto	
AUG. 1999	11-245	35-2 TSEZ4901-Video Tape for	29,000			ditto		ditto	
		Training (Dieser Engine)	25,000					ditto	
		TSEZTE4902-1 Video Tape for						ditto	
		Training (Replacing Nozzle holder)		<u> </u>				ditto	
		TSEZTE4902-1 Video Tape for	<del></del>	, ,				ditto	<del></del>
		Training (Adjusting Injection Nozzle)	00.000						
AUG. 1999	11-246	36-1 SEEZ1004 Video Tape for Training	23,000	•				ditto	
		(Hyd. Excavator operation)						ditto	
AUG. 1999	11 - 247	36-2 TSEZT 20601 Video Tape for	38,000	ļ				ditto	
		Training (Testing and Adjusting)						ditto	<del></del>
AUG. 1999	11-248	36-3 SEEZ1001 Video Tape for Training	9,000					ditto	
		(Mechatronics system)						ditto	
AUG. 1999	11-249	36-4 SEEX1002 Video Tape for Training	9,000		1 set			ditto	
		(Troubleshooting guide)						ditto	
AUG 1990	11-249	6 cutway model for diesel engine S6D125	2,790,000		1 set	ditto	ditto	ditto	
		7 cutway model for plunger type oil							
ALIC 1000	11-250	pressure pump HPV95+95	550,000		1 set	ditto	ditto	ditto	
1100. 1995	_1 400	10 cutway model for oil pressure cylinder							
AUG. 1999	11_051		550,000		1 set	ditto	ditto	ditto	
			126,000					ditto	
AUG. 1999	11-252	1 Water Lvel meter sT	67,500					ditto	
AUG. 1999	11-253	2 Cilnometer clinocompas No.4431						ditto	
		3 International pocket transit	48,000						
AUG. 1999			20,000					ditto	
AUG. 1999	11-256	5 Rock pick 33360	30,000					ditto	
	11 057	6. Cutway model for gear type	390,000	•	1 set	ditto	ditto	ditto	

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Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition		Remarks
	3.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Utility	of Utility	of	
	1					(Store)		Maintena	
	l						L	nce	
ALG. 1999	11-258	Oil pressure pump KAL140				ditto	ditto	ditto	
ALG 1999	11-259	9 Cutway model for injection pump SSD125	300,000		1 set	ditto	ditto	ditto	
AUG 1999	11-260	11 Cutway model for starter motor S6D125	300,000		1 set	ditto	ditto	ditto	
ALIC 1999	11-261	12 Cutway model for generator S6D125	300,000		l set	ditto	ditto	ditto	
AUG. 1999	11-262	13 Cutway model for water pump SP5A-12	1,140,000		1 set	ditto	ditto	ditto	
AUG 1999	11-263	33-1 Videotape for training WTW011	60,000		1 set	ditto	ditto	ditto	
ALIC 1000	11-264	33-2 Videotape for training WTW045	112,000		1 set	ditto	ditto	ditto	
AUG. 1999	11-265	33-3 Videotape for training WTW077	17,000		l set	ditto	ditto	ditto	
AUG. 1999	11 200	33-4 Slide film & cassette tape for training							
AUG. 1999	11_966		65,000		1 set	ditto	ditto	ditto	
AUG. 1999	11-200	33-5 Slide film & cassete tape for Training					i		
W.C 1000	11-967		50,000		l set	ditto	ditto	ditto	
AUG. 1999		33-6 Slide film & cassete tape for training	30,000		1 301	ances .	unces.	UII.U	
1000	11 000	133-6 Since min & cassere tape for training	61,100		l set	ditto	ditto	ditto	
AUG. 1999	11-268	W.I WU93	108,000		30 sets	ditto	ditto	ditto	
AUG. 1999	11-209	34-1 OHP Sheet, 50 pcs VF-1100	72,000		20 sets	ditto	ditto	ditto	
		34-2 OHP sheet, 100 pcs VF-1	27,500		10 sets	ditto		ditto	
AUG. 1999	11-2/1	34-3 OHP sheet, 100 pcs BG-34 .	11,000		10 sets	ditto	ditto	ditto	
AUG. 1999	11-272	34-4 OHP sheet, 100 pcs VF-10	16,000		40 pcs	ditto	ditto	ditto	
AUG. 1999	11-273	34-5 Markingpen PM-H2126S	16,000		40 pcs	ditto		ditto	
AUG. 1999	11-274	34-6 Markingpen PM-H3026S	10,000		40 pcs	HILLO	ditto	ustro	
1		34-7 Color adhesive sheet, FC3B 6	2,500		40 pcs	ditto	ditto	ditto	
AUG. 1999	11-275	colorsx5pcs	15,600		40 pcs	ditto		ditto	
AUG. 1999	11-276	34-8 Lettering sheet				ditto	ditto	ditto	
AUG. 1999	11-277	34-9 Logarithm Plotting paper S52S 50 pcs	30,000 12,000			ditto	ditto	ditto	
AUG. 1999	11-278	34-10 Tracing paper, 100 pcs T69N				ditto	ditto	ditto	
AUG. 1999	11-279	34-11 Paper for plotter, 100 pcs A3-T100	6,000					ditto	
AUG. 1999	11-280	34-12 Plotter pen, 2pcs/sel SD-35 BK	28,500			ditto		ditto	
AUG. 1999	11-281	34-13 Plotter Pen 2 pcs/set SD-35 BL	9,500			ditto	ditto	ditto	
AUG. 1999	11-282	34-14 Plotter Pen 2 pcs/set SD-35-GR	9,000			ditto	ditto		
AUG. 1999	11-283	34-15 Plotter Pen 4 pcs/set HC-35 YE	10,500			ditto	ditto ditto	ditto ditto	
AUG. 1999	11-284	34-18 Plotter Pen 2 pcs/set SD-35-RD	9,500			ditto		ditto	
AUG. 1999	11-285	34-17 Plotter Pen 2 pcs/set SD-35 vl	9,500			ditto	ditto ditto	ditto	
AUG. 1999	11-286	34-18 Plotter 2 pcs/set SD-35-OR	9,500			ditto	ditto	ditto	
AUG. 1999	11-287	18 KQ-7218 Hydraulic Puller Set	1,100,000			ditto	anto	ditto	
		TRI-CON BIT 14-3/4" FOR SOFT ROCK	0.605.000		5 PCS	3144	ditto	ditto	į
OCT, 1999	11-288	FORMATION 6-5/8" REG(P)	2,625,000		o res	ditto	uitto	uitto	
-	1	DITTO - 12-1/4" FOR SOFT ROCK			E DCC	3:44	J****	3:44	
OCT. 1999	11-289	FORMAITON 6-5/8" REG(P)	1,640,000	<del></del>	5 PCS	ditto	ditto	ditto	
		DITTO - 10-1/4" FOR SOFT MEDIUM		•	F 000	17.4	3545	ا ــــــددا	
OCT. 1999	11-290	HARD FORMAITON 6-5/8" REG(P)	1,385,000		5 PCS	ditto	ditto	ditto	
	ļ	DITTO - 9-5/8" FOR MEDIUM HARD	4 850 000		F DCC	2	324	3:44.	
OCT. 1999	11-291	FORMATION 4-1/2" REG(P)	4,250,000		5 PCS	ditto	ditto	ditto	
		DITTO - 8-1/2" FOR MEDIUM HARD	5 515 500		r nor		3744	د ا	į
OCT. 1999	11-292	FORMATION 4-1/2" REG(P)	3,215,000		5 PCS	ditto	ditto	ditto	
	1	CONSTRUCTION PIPI 12"STPG SCH40	600 000		10 0000	3:44	مانده	ditto	
OCT. 1999	11-293	5.5M	600,000		10 SETS				
OCT. 1999	11-294	WITH WELDING SLEEVE	110 000					ditto	<del></del> -
OCT. 1999	11-295	DITTO 10" STPG SCH40 5.5M	410,000		10 SETS	airro	ditto	ditto	
		OPERATING OIL, FOR DRILLING RIG	,,,,,,,		a per	J	J:44 -		
OCT. 1999	11-296	(200L/DRUM) '	92,000	·	2 PCS	ditto	ditto	ditto	
		BENTONIE KUNIMINE VI		* .			ļ.,,		
OCT. 1999	11-297	25KGX40SACKS/SET	258,000		4 SETS	ditto	ditto	ditto	
		SPARE PARTS FOR DTH HAMMER						ditto	
	,	REPAIR PARTS FOR DTH HAMMER	. 463,800		6 SETS	ditto		ditto	
		COSISTING OF (PER SET)			·			ditto	
OCT, 1999	11-298	MAKE-UP RING				ditto		ditto	
OCT 1999	11-299	ICHOKET SET						ditto	
OCT. 1999	11-300	BIT RETAINER RING W/O-RING (2PCS)						ditto	
OCT 1000	11-301	O-RING OF EACH PORTION						ditto	
OCT 1999	11-302	FOOT BALVE	-	•		ditto	ditto	ditto	
OCT 1000	11-202	MAKE UP SHIM	·			ditto	ditto	ditto	
OCT. 1999 OCT. 1999	11-204	TOP SUB	666,000		2 PCS			ditto	
OCT. 1999	11-205	DRIVER SUB	718,000	- :				ditto	
OCT. 1999	11 200	DADT .	47,400					ditto	
OCT. 1999	11-306	IDAKI	45,000					ditto	
OCT. 1999	11-30/	CHECK VALVE GUIDE	440,000					ditto .	
IOC1, 1999	111-308	ICHECK VALVE GUIDE	1 10,000						

								Revised: J	
Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of	Condition	Condition	Remarks
	i					Utility	of Utility	of	
	1					(Store)	1	Maintena	
								nce	
		RIGID VALVE WITH O-RING	816,000			ditto	ditto	ditto	
OCT. 1999			920,000			ditto	ditto	ditto	
		PISTON CASE	2,392,000			ditto	ditto	ditto	
OCT. 1999	11-312	PISTON RENTAINER RING	16,800			ditto	ditto	ditto	
DEC. 1999		LINER PULLER P/N 1FG284	321,000		1 PC	ditto	ditto	ditto	
		PIPE BRAKE OUT WRENCH P/N 2264-							
(2) DEC. 1999.	11-314	0011	634,800		3 SETS	ditto .	ditto	ditto	
		Toyota Land Cruiser Har Top LWB, 4WD,							
FEB. 2000	11-315	Diesel, Model: HZJ75LV-MR		227,461.60	1 UNIT	Kalitti	Hight	Good	
		Toyota Land Cruiser Har Top LWB, 4WD.							
FEB. 2000	11-316	Diesel, Model: HZJ76LV-MR		227,461.60	1 UNIT	ditto	ditto	ditto	
		Toyota Land Cruiser St Wagon LWB,	-						
FEB. 2000.	11-317	4WD, Diesel (GX), Model: HZJ105L-		329,498.40	1 UNIT	ditto	ditto	ditto	
		Toyota Land Cruiser St Wagon LWB,							
FEB. 2000	11-318	4WD, Diesel (GX), Model: HZJ106L-		329,498.40	1 UNIT	ditto	ditto	ditto	
·		Total	58,134,400	1.113.920.00					

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Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of Utility (Store)	Condition of Utility	of Maintenance	Remarks
MAY.2000	12-1	SUBMARSIBLE MOTOR POMP FZ621/9-65-7.5	826,700		ISET	Kaliti	Hight	Good	
MAY.2000		ACCESSORIES :				ditto	ditto	ditto	
MAY,2000	12-2	POWER CABLE FOR 3.5MM2 X 80M (1)	-			ditto	ditto	ditto	
MAY.2000	12-3	CABLE CLIP FOR 65MM-(80)				ditto	ditto	ditto	
MAY.2000	l	ELECTRODE FOR WATER LEVEL DETECTOR 80M (2PCS/1SET)				ditto	ditto	ditto	
MAY.2000		DISCHARGE PIPE FOR 65MM X 0.5M (1)				ditto	ditto	ditto	
MAY.2000		CV CABLE FROM GENERATOR TO CONTROL PANEL FOR 10M (2)	-		•	ditto	ditto	ditto	
MAY.2000	12-7	SUBMARSIBLE MOTOR POMP FZ621/13-65-11	1,078,000	•		ditto	ditto	ditto	
MAY.2000		ACCESSORIES :				ditto	ditto	ditto	
MAY.2000°		POWER CABLE FOR 3.5MM2 X 110M				ditto	ditto	ditto	
MAY.2000		ELECTRODE FOR WATER LEVEL DETECTOR 110M (2PCS/1SET)				ditto	ditto	ditto	
		DISCHARGE PIPE FOR 65MM X 0.5M (1)				ditto		ditto	
MAY.2000	12-11	RISER PIPE 65MM X 2.75M/PC	440,000		40PCS			ditto	
		CONTROL PANEL FOR 7.5KW	444,600		1PCE	ditto		ditto	
		CONTROL PANEL FOR 11KW	568,100		1PCE	ditto		ditto	
		VALVE SET	115,000		1SET	ditto		ditto	
		CONSISTS OF :				ditto		ditto	
		DISCHARGE FRAME 65MM (2)	<u>-:</u>			ditto		ditto	<del> </del>
		AIR VENT VALVE (2)						ditto	
MAY.2000		COMPOUND GAUGE (2)				ditto		ditto	
MAY.2000	12-19	SLUICE VALVE 65MM (2)				ditto		ditto	
MAY.2000		CHECK VALVE 65MM (2)	2,518,000					ditto	
MAY.2000	12-21	GENERATOR SDG35S SPARE PARTS FOR SUBMARSIBLE	157,700	<del> </del>				ditto ditto	
MAY.2000 MAY.2000	12-22	SPARE PARTS FOR SUBMARSIBLE SPARE PARTS FOR GENERATOR	251,800					ditto	·············
MAY.2000 MAY.2000	12-24	HAND OPERATED DEEP WELL PUMP OPA-4	2,318,000					ditto	
MAY.2000		ACCESSORIES :				ditto	ditto	ditto	
MAY.2000		ROD SHAFT, HEXAGONAL NUT, SPIDER (25PCS/SET)		·				ditto	
MAY.2000	12-26	RISER PIPE WITH SOCKET ( $\phi$ 65 X 4.0M) (12PCS/SET)	_		•	ditto	ditto	ditto	
MAY.2000	12-27	RISER PIPE WITH SOCKET ( $\phi$ 65 X 2.0M) (1PCS/SET)				ditto	ditto	ditto	
MAY.2000	12-28	SPARE PARTS FOR HAND OPERATED DEEP WELL PUMP	231,800		2SETS	ditto	ditto	ditto	
MAY.2000	12-29	VERNIER CALIPER, 200MM MR-0102	9,900		1PCE	ditto	ditto	ditto	
MAY.2000	12-30	OUTSIDE MICROMETER SET, 0-300MM 12PCS/SET	238,600					ditto	
MAY.2000		INSIDE MICROMETER CALIPER, 50- 150MM MR-0302	26,300		1PCE	ditto	ditto	ditto	
MAY.2000		CYLINDER GAUGE WITH CASE, 100-160MM AA-3411	50,800		ISET	ditto	ditto	ditto	
MAY.2000	12-33	STRAIGHT RULE, 0-300MM MR-0905.	500		IPCE	ditto	ditto	ditto	-
MAY.2000		MEASURE TAPE, 0-3.5M MR-0806 '	1,400					ditto	
MAY.2000	12-35	THICKNESS GAUGE, 0.03-1.00MM	7,800					ditto	
MAY.2000		STRAIGHT EDGE, 500MM MR-3002	11,300	· · · · ·	IPCE (	ditto	ditto	ditto	
MAY.2000		SQUARE MR-3203	- 8,900					ditto	
MAY.2000	12-38	TORQUE WRENCH, 40-280N.M KQ-6125	. 38,400					ditto	
MAY.2000	12-39	INFRARED THERMOMETER THI-440N	98,000		IPCE (	litto	ditto d	ditto	
MAY.2000		HAND TACHOMETER MR-1902	25,700					ditto	
MAY.2000	12-41	HYDRAULIC TEST GAUGE SET EH-0301	87,100			<del></del>		ditto	
MAY.2000	12-42	SCREW PITCH GAUGE MR-1502	3,600	-	IPCE (	litto	ditto	litto	
MAY.2000	12-43	MULTI PURPOSE VACUUM TESTER AC-1701	58,500					litto	
MAY.2000	10 44	D.C. VOLT AMPERE METER DI-0801	10,900		IPCE (	litto	ditto	litto	

JP/No. Description (Name of Production, Model) Amount Amount Quantity Place of Condition Year (Yen) (Birr) Utility of Utility Maintenanc (Store) 12-45 CIRCUIT TESTER DI-0907 ditto MAY.2000 12,800 1PCE ditto ditto MAY.2000 12-46 DELUXE TYPE MECHANIC TOOL SET 1,552,000 1SET ditto ditto ditto KQ-6012 GEAR PULLER (2 JAWS), 150MM 6.900 1PCE ditto ditto MAY.2000 ditto 1PCE MAY.2000 12-48 GEAR PULLER (2 JAWS), 250MM 26,100 ditto ditto ditto KQ-6555 MAY.2000 GEAR PULLER (3 JAWS), 266MM 15,000 1PCE ditto ditto ditto KQ-6616 GEAR PULLER (3 JAWS), 177MM 9.200 1PČE MAY.2000 12-50 ditto ditto ditto KQ-6617 12-51 HYDRAULIC PULLER SET KQ-7218 548,400 MAY.2000 ditto ditto ditto 12-52 HAND OPERATED PUMP CY-0101 228,000 1SET MAY.2000 ditto ditto ditto WITH STANDARD ACCESSORIES 1PCE 153,700 MAY.2000 12-53 PULLER, 50T CY-0401 ditto ditto ditto 12-54 PULLER, 50T (SHORT TRAVEL) CY-92,500 **IPCE** MAY.2000 ditto ditto ditto 12-55 PULLER, 30T CY-0403 MAY.2000 76,400 ditto ditto ditto 12-56 PULLER, 30T (SHORT TRAVEL) CY-80,300 1PCE ditto MAY.2000 ditto ditto 12-57 SURFACE PLATE, 1000X1000X125MM IPCE MAY.2000 250,200 ditto ditto ditto MR-2916 12-58 SERVICE CREEPER BS-1101 8,400 1PCE ditto MAY.2000 ditto dītto 12-59 DIAL INDICATOR MR-0504 1PCE 24,400 ditto ditto ditto MAY.2000 4,100 12-60 MAGNETIC BASE R-0602 MAY.2000 ditto ditto lditto 12-61 FIRM JOINT CALIPER FOR INSIDE, 1PCE MAY.2000 900 ditto ditto ditto 0-150MM MR-3701 MAY.2000 FIRM JOINT CALIPER FOR OUTSIDE, 900 1PCE ditto ditto ditto 0-150MM MR-3704 12-63 V BLOCK 27,400 2PCS ditto ditto ditto MAY.2000 12-64 DISASSEMBLING TOOLS FOR MUD 280,000 ISET MAY.2000 ditto ditto ditto PUMP 1AUX545 PARTS FOR MUD PUMP 850,000 1SET MAY.2000 ditto ditto ditto MAY.2000\_ CONSISTS OF: ditto ditto ditto MAY.2000 12-65 CYLINDER LINER FG45650 (2PCS) \* MAY.2000 12-66 PISTON ASSY 219TBA045A (2SETS) ditto ditto ditto ditto ditto iditto MAY.2000 | 12-67 INSERT GROUP TBA76002 (2PCS) ditto ditto ditto MAY.2000 12-68 PISTON ROD 25FXG183 (2PCS) ditto ditto ditto MAY.2000 12-69 NUT(FUL) 50V2 (2PCS) ditto ditto ditto MAY.2000 12-70 NUT(CROSSHEAD) 50T67 (2PCS) ditto ditto ditto MAY.2000 12-71 VALVE SEAT 11FG39 (8PCS) ditto ditto ditto MAY.2000 12-72 SPEING 78A171 (8PCS) ditto ditto lditto MAY.2000 12-73 FOAR MATERIAL (TELEFORMER), 18L 96,000 12PCS ditto ditto ditto MAY.2000 12-74 HAMMER BIT (BUTTON TYPE) 9-5/8" 844,000 2PCS ditto ditto ditto MAY.2000 12-75 CEMENTING SHOE 12 170,000 1PCE ditto ditto ditto MAY.2000 | 12-76 | CEMENTING HEAD 12 103,000 **IPCE** ditto ditto ditto MAY.2000 12-77 CEMENTING PLUG 12" MAY.2000 12-78 SPINDLE PROTECT (PxB) 3-1/2"IF 42,400 1PCE ditto ditto ditto 270,000 MAY.2000 3PCS ditto ditto ditto MAY.2000 12-79 INLINE SUB 3-1/2 570,000 3PCS ditto ditto ditto 12-80 CHAIN TONG (ST-1) 300MM MAY.2000 16,400 2PCS ditto ditto ditto MAY.2000 12-81 CHAIN TONG (ST-4) 1200MM 195,000 2PCS ditto lditto ditto 190,000 10PCS MAY.2000 12-82 FLANGE (10K) 12 . ditto ditto ditto MAY.2000 12-83 FLANGE (10K) 10"STPG 170,000 10PCS ditto ditto ditto MAY.2000 | 12-84 | FLANGE (10K) 6-5/8 10PCS 152,000 ditto ditto ditto MAY.2000 12-85 NIPPLE (2") NPTxPF MAY.2000 12-86 NIPPLE (2") NPTxPF 60,800 2PCS ditto ditto ditto MAY.2000 98,800 12PCS ditto ditto ditto 12-87 NIPPLE (2") PTxPF 60,800 2PCS MAY.2000 ditto ditto ditto 12-88 NIPPLE (2") PTxNPF 98,800 2PCS ditto ditte ditto MAY.2000 20,000 5PCS ditto MAY.2000 | 12-89 | HAMMER OIL 20L ditto ditto MAY.2000 12-90 CONDUCTOR PIPE 12"STPG IOPCS 1,010,000 ditto ditto ditto 12-91 CONNECTING HEAD FOR CONDUCTOR 152,000 2PCS MAY.2000 ditto ditto ditto PIPE 12"STPG 50,000 1PCE ditto JUL. 2000 12-92 FIELD PLOTTER DIONIX 180 Si ditto ditto 1 PCE 12-93 SOFRWARE WINDOWS 2000 PRO 38,800 ditto ditto ditto JUL. 2000 12-94 DITTO SYSTEM WORK 2000 12-95 PRINTER CARTRIDGE 51F04A 17,400 1 PCE JUL. 2000 ditto ditto ditto 19,200 10 PCS ditto ditto ditto

	[15/8]	15 111 (1)					,	Revised: J	
Year	JP/No.	Description (Name of Production, Model)	Amount	Amount	Quantity		Condition		Remarks
	ł		(Yen)	(Birr)		Utility	of Utility	of Maintenance	
<u> </u>			ļ <u>.</u>	ļ		(Store)			
(2) JUL. 2000		Empty Bomb for Oxygen	57,000		<u> </u>	ditto	ditto	ditto	
(2) JUL. 2000		Empty Bomb for Acetylene Gas	61,000			ditto	ditto	ditto	
(2) JUL. 2000	12-98	Bentonite Mixer main unit	1,153,300	<u> </u>		ditto	ditto	ditto	
(2) JL'L. 2000		Spare parts for above	93,000			ditto	ditto	ditto	
(2) JUL. 2000		consisting of		<u> </u>		ditto	ditto	ditto	
(2) JUL. 2000		Propeller (2)	<u> </u>			ditto	ditto	ditto	
(2) JUL. 2000			<u></u>			ditto	ditto	ditto	· · · · ·
(2) JUL. 2000						ditto	ditto	ditto	
(2) JUL. 2000						ditto		ditto	
		Grafite Buffer (1)				ditto		ditto	
(2) JUL. 2000	12-104	Tool Set for Diesel Engine (1)				ditto		ditto	
(2) JUL. 2000	12-105	Saction Valve (1)						ditto	
		Exhoust Valve (1)						ditto	
(2) JUL. 2000	12-107	Air cleaner element (5)						ditto	
		F.O. Strainer element (6)						ditto	
(2) JUL. 2000.								ditto	
(2) JUL. 2000 "	12-110	V-belt for Engine (1)						ditto	
(2) JUL. 2000	12-111	Cable Drum Model: lp-502M	86,000		2 pcs	ditto		ditto	
(2) JUL. 2000	12-112	Mirror Sterescope Model: MS27	427,800		3 sets	ditto		ditto	
(2) JUL. 2000		Accessories				ditto		ditto	
(2) JUL. 2000	12-113	Tracking Device Model: TRA2	248,400					ditto	
(2) JUL. 2000	12-114	Illumination Unit Model: LA 3 .	207,000					ditto	<del> </del>
(2) JUL. 2000	12-115	**Spare Parts**						ditto	
		Spare Fluoresecent Lamp, 6V 4W	9,000					ditto	
(2) JUL. 2000	12-117	Sapare Lamp, 1.5V	7,500					ditto	
		PHOTOCOPY CANON FC 200		5,000.00	1 PCE			ditto	•
		COMPUTER DEWOO 700MHZ		25,030.00	1 SET			ditto	
JAN. 2001	12-120	GATEWAY SOLO5300 COMPUTER	300,000					litto	
JAN. 2001	12-121	CANON BJ M40 PRINTER	45,000					litto	
JAN. 2001	12-122	CANON CANOSCAN	25,000					litto	
		TOTAL	21.040.400	20 020 00		<u>_</u>			

Revised: JULY 2002 JP/No. Description (Name of Production, Model) Amount Amount Quantity Condition Remarks Year (Birr) Utility of Utility (Yen) Maintenan 366,000 APR. 2001 13-1 RELIEF VALVE 2267-0074 KALITI Hight Good 13-2 FLOAT VALVE 2258-0288 528,000 2SET APR. 2001 ditto ditto ditto 13-3 LEVER KIT 64,000 ditto APR. 2001 2SE ditto ditto APR. 2001 13-4 FLOAT CONTROL VALVE 410,000 2SET ditto ditto ditto OXYGEN WELDING APPARATUS FOR 92,000 1SET APR. 2001 13-5 ditto ditto ditto T300M RIG APR. 2001 CONSISTING OF ditto ditto ditto REGULATOR FOR OXYGEN 1pcs 1PCS APR. 2001 ditto ditto ditto REGULATOR FOR ACETYLENE 1pcs 1PCS ditto APR. 2001 ditto ditto APR. 2001 NOZZLE 10pcs 10PCS ditto ditto ditto COCK FOR GAS CYLINDER 2pcs 1PCS APR. 2001 lditto ditto ditto BURNER 1pcs IPCS ditto ditto APR. 2001 ditto APR. 2001 HOSE (20M) 1 pcs 1PCS ditto ditto ditto ELECTRIC WELDING APPARATUS FOR 146,000 1SET dítto APR. 2001 13-6 ditto ditto T300M CONSISTING OF APR. 2001 ditto ditto ditto 1PCS 1PCS 1PCS HOLDER 1pcs APR. 2001 ditto ditto ditto APR. 2001 EARTH CLIP 1pcs ditto ditto ditto WELDING CABLE 1pcs
WELDING MAST (W/SPARE GLASS) APR. 2001 ditto ditto ditto APR. 2001 1SET ditto ditto ditto APR. 2001 WELDING BAR (50kg) 1set 11SET ditto ditto ditto 185,000 AIR-LINE DECOMPRESSION APPRATUS APR. 2001 13-7 ISET ditto ditto ditto CONSISTING OF; ditto ditto ditto AIR-LINE DECOMPRESSION APPRATUS 1SET APR. 2001 lditto ditto ditto LOW PRESSURE OUTLET (6bar) 1set -ISET ditto APR. 2001 ditto ditto GLIDING STONE FOR AIR GLINDER CONDUCT PIPE 300A STEEL SHOE FOR CONNECTION TO APR. 2001 13-8 225,000 ditto ditto ditto APR. 2001 13-9 606,000 lditto ditto ditto 6PCS ditto 13-10 462,000 APR. 2001 ditto ditto CONDUCTOR PIPE APR. 2001 1,670,000 2PCS ditto ditto ditto 9-5/8 TRI-CONE BIT APR. 2001 | 13-12 | 10-5/8 HAMMER BIT .335,000 3PC lditto lditto ditto CEMENTING SHOE 549,000 3PCS 13-13 ditto ditto ditto APR. 2001 APR. 2001 13-14 CEMENTING PLUG
APR. 2001 13-15 WELD BLADE STABILIZER 14-3/4
APR. 2001 13-16 WELD BLADE STABILIZER 9-5/8
APR. 2001 13-17 WELD BLADE STABILIZER 8-1/2 123,000 3PC ditto ditto ditto 893,000 IPCS ditto ditto ditto 550,000 1PCS ditto lditto ditto 520,000 1PCS ditto ditto ditto APR. 2001 13-20 DRILL PIPE X HAMMER
APR. 2001 13-20 DRILL PIPE 6.0M
APR. 2001 APR. 2001 238,000 **IPCS** ditto ditto ditto 238,000 2PCS ditto ditto ditto 2,300,000 25PCS ditto ditto ditto MUD CIRCULATION & NIGHT 6,800,000 ISET ditto ditto ditto APR. 2001 LIGHTING SYSTEM ditto ditto' ditto APR. 2001 CONSISTING OF: APR. 2001 13-21 APR. 2001 13-22 GENERATOR, SILENCER TYPE 50KVA IUNITditto Iditto lditto 13-22 CONTROL PANEL, WATER PROOF NIGHT LIGHTING, WITH LAMP, 30M: 1UNIT ditto ditto ditto **IUNIT** ditto ditto ditto APR. 2001 13-23 CABLE, AC220V APR. 2001 13-24 CABLE FOR SAND PUMP, 22MM2 X APR. 2001 13-25 CABLE FOR MUD SCREEN, 2MM2 X IROLL ditto ditto ditto 1ROLL ditto ditto ditto 13-26 SAND PUMP, AC380V, 50HZ, 3-PHASE APR. 2001 2SETS ditto ditto ditto 13-27 CONNECTION HOSE FOR SAND PUMP 2SETS APR. 2001 ditto ditto ditto APR. 2001 13-28 MUD SCREEN **1UNIT** ditto ditto ditto ACCESSORIES OF MUD CIRCULATION ISET ditto ditto ditto APR. 2001 13-29 & LIGHTING SYS. APR. 2001 13-30 ditto ditto ditto CONSISTING OF: 13-31 SPAREPARTS FOR GENERATOR 1KIT APR. 2001 ditto ditto ditto SPARE LAMPS FOR LIGHTING SPARE CABLE 30M FOR LIGHTING APR. 2001 13-32 ditto ditto ditto APR. 2001 13-33 ditto ditto ditto APR. 2001 SPAREPARTS FOR SCHRAMM T300M 8,680,000 1SET ditto ditto ditto APR. 2001 CONSISTING OF; APR. 2001 13-34 SERVICE KIT FOR 2813-0239 ditto ditto ditto ditto ditto ditto APR. 2001 13-35 PUMP HYD. PVH98C-LAF-2S11-C25V ditto ditto ditto

Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of Utility (Store)	Condition of Utility	Revised: J Candition of Maintenanc	
APR. 2001	13-36	PUMP HYD. TRIPLE TANDEM P315L			1PCS	ditto	ditto	ditto	
APR. 2001	13-37	BREATHER AIR SPIN ON			2PCS	ditto	ditto	ditto-	
APR. 2001	13-38	ELEMENT, FILTER			4PCS	ditto	ditto	ditto	
APR. 2001	13-39	VALVE, CHECK 3/4 400PSI			1PCS	ditto	ditto	ditto	ļ!
APR. 2001		GUAGE, PRESSURE 0-60 PSI 1/2NPT	·	ļ <del></del>	1PCS	ditto	ditto	ditto	<u> </u>
APR. 2001	13-41	INDICATOR, DIFF. PRS 25 PSI			1PCS 3PCS	ditto	ditto	ditto	
APR. 2001	13-42	LIGHT ARMORED CLEARANCE RED SLIP GUIDE LINER 3-1/2			1PCS	ditto ditto	ditto	ditto ditto	
APR. 2001 APR. 2001	13~44	HOSE SUCTION 100R 4 16X46	<del></del>		1PCS	ditto	ditto	ditto	
APR. 2001		HOSE SUCTION 100R 4 20X40			1PCS	ditto	ditto	ditto	
APR. 2001		HOSE SUCTION 100R 4 20X21			1PCS	ditto	ditto	ditto	
APR. 2001	13-47	HOSE SUCTION 100R 4 20X23			1PCS	ditto	ditto	ditto	
APR. 2001		HOSE SUCTION 100R 4 24X26			IPCS	ditto	ditto	ditto	
APR. 2001	13-49	HOSE SUCTION 100R 4 24X46			1PCS	ditto	ditto	ditto	
APR. 2001	13-50	CYLINDER SERVICE KIT 4-1/2X2-1/2			1PCS	ditto	ditto	ditto	
APR. 2001	13-51	PULLEY LEAF CHAIN 6.5		-	IPCS	ditto	ditto	ditto	
APR. 2001		PULLEY LEAF CHAIN 6.25			1PCS	ditto	ditto	ditto	
APR. 2001	13-53	PULLEY LEAF CHAIN 9			1PCS	ditto	ditto	ditto	
APR. 2001		SHAFT IDLER SPROCKET			1PCS	ditto	ditto	ditto	
		LINK LEAF CHAIN CONN 6X6 1			6PCS	ditto		ditto	
		LINK LEAF CHAIN CONN 4X6 1			6PCS 2PCS	ditto ditto	ditto ditto	ditto ditto	
		GUIDE ROLLER ASSY 2-1/2 GAUGE PR 3000 PSI/BAR 3.5 PNL			3PCS	ditto		ditto	
APR. 2001 APR. 2001		GAUGE PR 600 PSI/BAR 2-1/2		-	1PCS	ditto		ditto	
	13-60	VALVE RELEAF ASSY 300-5000				ditto		ditto	
	13-61	VALVE CHECK 1/2			1PCS	ditto		ditto	
	13-62	VALVE BALL 3WAY 3000PSI 1/4			1PCS	ditto		ditto	
	13-63	BOOT RUBBER HRC			6PCS	ditto		ditto	
	13-64	KIT, VALVE REPAIR HUSCO HRC				ditto		ditto	
	13-65	KIT, HRC FRICTION LOCK REPAIR	_		2PCS	ditto	ditto	ditto	
APR. 2001	13-66	SHOE, FRICTION LOCK HRC			2PCS	ditto		ditto	
	13-67	BOLT-HRC VALVE			2PCS			ditto	
APR. 2001	13-68	REGULATOR HYD. PRESS PILOT OPERATED	•		1PCS			ditto	
APR. 2001	13-69	LEVER KIT 5000 VERTICAL			2PCS	ditto	ditto	ditto	
APR. 2001		LEVER KIT 5000 45 DEG.	<u> </u>					ditto	
		LOOM AND WIRE ASSY T300						ditto	<u>: '</u>
	13-72_	LOOM AND WIRE ASSY 500AT				ditto		ditto	
		LAMP SEALED BEAN 5-3/4 50W 12V						ditto	
		LAMP ASSY 12V-10W w/CHROME RIM						ditto ditto	
		BULB 12V-10W FOR 2103-0055 CIRCUIT BREAKER 20A						ditto	
	13-76 13-77	BEARING CAMROL 2-1/4 DIA.	•					ditto	
	13-78	KIT, SERVICE CYLINDER 2X1 2813-0225						ditto	
	13-79	VALVE CHECK 3/8 NPT 2000 PSI						ditto	
		PINION INPUT 23T 4.6PD 5P						ditto	
		BEARING CUP 7.0866 OD						ditto	
	13-82	BEARING CONE 4.3307 ID	·					ditto	
	13-83	SHAFT DRIVE FLANGED T300						ditto	
APR. 2001	13-84	GEAR DRIVEN 70T 14.0PD KEY						ditto	
		NUT LOCK AFBMA AN-21 4.122-12						ditto	
APR. 2001	i	WASHER BEARING LOCK W-21 4-3/16" ID		•		ditto		ditto	•
APR. 2001	13-87	SEAL, OIL 3-7/8X5-1/8X1/2						ditto	
APR. 2001		PACKING 2-5/8 ID-80 DURO						ditto	
		BUSHING, WEAR 2-5/8						ditto	
		KIT, SHAFT SEAL						ditto	
	13-91	KIT, MOTOR REAR SEAL						ditto	
		SUB 3.500REG(B) X 2-375 IF(P) X 10-						ditto	
		SWIVEL, HYDRAULIC 16FP-16M37						ditto	
		KIT, REPAIR GRACO LUBRICATOR						ditto	
		KIT, CYLINDER PACKING KIT, VALVE	· · · · · · · · ·					ditto	
		PIN SLIPBOX T300/A800						ditto	
CT D. AUUL		PIN SAFETY SNAP 5/16 X 2-1/2						ditto	
		I HY OLD DIT I ON IN O/ TO N & T/ &							
APR. 2001		PIN SLIPBOX UNIVERSAL	i		IPCS L	ditto l	ditto la	ditto	
APR. 2001 APR. 2001	13-99	PIN SLIPBOX UNIVERSAL PIN SLIP RETAINING T300		·				ditto	
APR. 2001 APR. 2001 APR. 2001	13-99 13-100	PIN SLIPBOX UNIVERSAL PIN SLIP RETAINING T300 KIT, SERVICE CYLINDER 2X1-1/4			2PCS	ditto	ditto (		

Revised: JULY 2002 JP/No. Description (Name of Production, Model) Amount Amount Quantity Year Condition | Remarks Utility of of Utility (Yen) (Rirr) (Store) Maintenan APR. 2001 13-103 HOSE AIR/MUD ASSY 2-1/2 X 190 1PCS ditto ditto ditto 13-104 HOSE AIR/MUD ASSY 2-1/2 X 228 1PCS ditto ditto ditto IAPR. 2001 13-105 SPUD MALE 2-1/2 APR. 2001 1PCS ditto ditto ditto APR. 2001 13-106 SPUD FEMALE 2-1/2 APR. 2001 13-107 NIPPLE 2-1/2 X 11 APR. 2001 13-108 WRAP HOSE 21 FT 2PCS ditto ditto ditto ditto ditto ditto 1PCS ditto ditto ditto APR. 2001 13-109 SLEEVE NYLON 2-7/8 ID 17PC ditto ditto ditto APR. 2001 13-110 SLEEVE NYLON 2-1/8 ID APR: 2001 13-111 HOOK 'S' 1-1/2 17PC ditto ditto ditto 4P€S 1PCS 2PCS ditto ditto ditto APR. 2001 13-112 TACH-HOURMETER 12V 662-1324 HZ ditto ditto ditto APR. 2001 | 13-113 | TUBE FLOATING SUB ditto ditto ditto APR. 2001 13-114 O-RING, 210 X 1.850 SPECIAL-328 6PCS ditto ditto ditto APR. 2001 | 13-115 | STRIP ROD WIPER 6PCS ditto ditto ditto APR. 2001 13-116 SCREW CAP SKT 5/8 -16UNRF X 1-3/4 10PCS ditto ditto ditto 3PCS 1PCS ditto 13-117 SCREW CAP NF 5/8 X 1-1/4 ditto ditto 13-118 KIT, SEAL BG WINCH ditto ditto APR. 2001 ditto APR. 2001 13-119 KIT, SEAL M30A ditto ditto ditto SPARE PARTS FOR PUMP, SCHRAMM ditto ditto ditto T300M RIG APR. 2001 13-120 OIL STOP HEAD ASSY INCLUDING 136,000 2PCS ditto ditto ditto STUD & NUT 2FXG495 APR. 2001 13-121 GLAND, OIL STOP HEAD AXG238 29,000 2PCS ditto ditto ditto APR. 2001 13-122 PACKING, OIL STOP HEAD 60BG24 6PCS 33,000 ditto ditto ditto 2001 13-123 WASHER, OIL STOP HEAD AG318 21.000 6PC ditto ditto ditto 2PCS ditto APR. 2001 13-124 GASKET, OIL STOP HEAD 25C656 2,000 ditto ditto APR. 2001 13-125 GLAND FG21 38,000 ditto ditto ditto 13-126 STUFFING BOX ASSY INCLUDES STUD 82,000 APR. 2001 ditto & NUT 1FG1538 PACKING, MOLDED RUBBER & DUCK 30,000 6PCS ditto ditto ditto 60DA310 APR. 2001 | 13-128 RING-JUNK FG317 APR. 2001 | 13-129 GASKET, STUFFING BOX 25C658 ditto 27,000 6PCS ditto ditto 4,000 2PC\$ ditto ditto ditto 13-130 GLAND ASSY 200FXG008A 98,000 2PCS ditto ditto APR. 2001 ditto 13-131 DONGLE KEY Resix-Plus Ver. 2 1,008,900 3PCS ditto ditto ditto MAY, 2001 MAY. 2001 13-132 DONGLE KEY EMIX-MMP Ver. 3 1,460,400 3PCS ditto ditto ditto ditto 2001 | 13-133 | PRESSURE REGULATOR 2252-0495-55 221,300 1PCS ditto ditto MINIMUM PRESSURE VALVE 2255-1972-1.593,000 IPCS . ditto ditto ditto MAY. 2001 13-135 OIL STOP VALVE 2255-2809-50 159,300 1PCS ditto ditto ditto 1<u>PCS</u> MAY. 2001 13-136 OIL LIST RECUTER 1202-5869-01 203,600 ditto ditto ditto ditto . 2001 13-137 RODING SOLENOID PARTS 1089-0451 115,100 11PCS ditto ditto MAY. 2001 13-138 OHP ANIMATED MECHANISM SHEET .94,000 2PCS ditto ditto ditto A033-SPGOS MAY. 2001 13-139 -ditto- A034-DPGOS MAY. 2001 13-140 -ditto- A093-VPPOS 99,200 2PCS ditto ditto ditto 88,600 2PCS ditto ditto ditto 62,000 2PCS ditto ditto MAY. 2001 13-141 -ditto- A094-TPPOS ditto 62,000 2PCS ditto ditto MAY. 2001 13-142 -ditto- A095-GPGOS ditto MAY. 2001 13-143 FAN BELT 0367-0100-37 MAY. 2001 13-144 SEPARATE ELEMENT 1615-6038-00 15,600 2PCS ditto ditto ditto 190,300 1PCS ditto ditto ditto 28,400 2PCS ditto ditto ditto MAY. 2001 13-145 GASKET 1615-5504-00 1PCS MAY. 2001 13-146 O RING 0663-7144-00 1,100 ditto ditto ditto MAY, 2001 13-147 UNROAD VALVE KIT 2910-3003-00 24,800 1SET ditto ditto ditto 4PCS MAY, 2001 13-148 FERR HOSE 0071-8402-90 32,000 ditto ditto ditto 6,200 MAY. 2001 13-149 OIL STOP VALVE KIT 2910-3001-00 ISET ditto ditto ditto MAY. 2001 13-150 SPEED REGULATOR KIT 2910-3006-00 7,600 ISET ditto ditto ditto MAY. 2001 13-151 REGULATOR VALVE KIT 2910-3005 11,600 ISET ditto ditto ditto 186,000 2SET ditto ditto MAY. 2001 13-152 REPAIR KIT ditto 148,800 6PCS ditto ditto ditto MAY. 2001 13-153 DIRT 25,800 6PCS ditto ditto ditto MAY 2001 13-154 SPRING MAY. 2001 13-155 PISTON RETURNER RING 19,200 6PCS ditto ditto ditto 1SET 83,200 ditto ditto MAY. 2001 13-156 DISK GRINDER LP-1329 ditto MAY. 2001 13-157 GRINDER LP-1102 89,400 ISET lditto ditto ditto 1SET MAY. 2001 13-158 ELECTRIC DRILL LP-0108 85,000 ditto lditto lditto MAY. 2001 13-159 CUTTING MACHINE SU-1606 163,800 ditto ditto ditto MAY. 2001 13-160 VERNIER CALIPER MR-0104 42,600 2PCS ditto ditto ditto MAY. 2001 13-161 FIRM-JOINT CALIPER SET MR-3703 10,400 2SET ditto ditto ditto 219,600 2SET MAY. 2001 13-162 MICROMETER SET MR-0215(6PCS/SET) ditto ditto ditto MAY. 2001 13-163 MECHANIC TOOL SET KQ-6010 324,000 ditto ditto

								Revised: J	
Year	JP/No.	Description (Name of Production, Model)	Amount	Amount	Quantity	Place of	Condition	Condition	Remarks
	i		(Yen)	(Birr)		Utility	of Utility	ol ol	İ
MAY 2001	13-164	CHAIN BLOCK Y II -80	308,400		6PCS	(Store) ditto	ditto	Maintenanc ditto	
		WIRE SLING	93,000		10PCS	ditto	ditto	ditto	
		1000 HOURS MAINTENANCE KIT 2912-	566,400		2SET	ditto	ditto	ditto ·	
MAY. 2001	13-100	1000 HOORS MAINTENANCE KIT 2912-			43E1	ditto	ditto	altto ·	
MAY. 2001	13-167	COMPRESSOR OIL 1615-5951-00 20L	425,000		10SET	ditto	ditto	ditto	
MAY. 2001	13-168	FORMING AGENTS TEL-FOAMER23-L (18kg)	107,000		10SET	ditto	ditto	ditto	
MAY. 2001	13-169	COMPRESSOR OIL N0627 200L	97,400		1PCS	ditto	ditto	ditto	
JUN. 2001		GIS SYSTEM	11,000,000		1UNIT	ditto	ditto	ditto	
JUN. 2001		CONSISTING OF:				ditto	ditto	ditto	
JUN. 2001	13-170	COMPAQ DESKPRO ENP866/128/20/NT			1PCS	ditto	ditto	ditto	
	1	INCLUDING : COMPAQ DUAL IN-LINE							
		MEMORY MODULES, COMPAQ					Ì	1	
	1	HARDDISK DRIVE					L		
JUN. 2001	13-171	COMPAQ 21INCH COLOR DISPLAY			1PCS	ditto	ditto	ditto	
JUN. 2001	13-172	SMART UPS			1PCS	ditto	ditto	ditto	
JUN. 2001	13-173	DRAWING BOARD III 34480SER			1PCS	ditto	ditto	ditto	
JUN. 2001	13-174	POWER LIFT			1PCS	ditto	ditto	ditto	
JUN. 2001 "	13-175	ARC/INFO VER. 8			1PCS	ditto		ditto	
JUN. 2001	13-176	ARC SCAN			1PCS	ditto		ditto	
JUN. 2001	13-177	ARC TIN			1PCS	ditto		ditto	
JUN. 2001	13-178	AEC GRID			1PCS	ditto	ditto	ditto	
JUN. 2001	13-179	ARC VIEW VER. 3. 2				ditto	ditto	ditto	
JUN. 2001	13-180	NORTON ANTIVIRUS			1P@S	ditto	ditto	ditto	
JUN. 2001	13-181	CORDED 16-BUTTON CURSOR			2PCS	ditto	ditto	ditto	
JUL. 2001	13-182	MO DRIVE I-O DATA MOA-	63,600		2SETS				
		FILM SCANNER NIKON COOLSCAN IV							
JUL. 2001	13-183	ED LS-40ED W/CABLE	92,800		1SET				
FEB. 2002		TSUKASA CD ROM FOR EDUCATION							
		BRAKE SYSTEM OIL PRESSURE							
FEB. 2002	13-184	MZ013-BRK	35,000		IPCE				
FEB. 2002	13-185	4CYCLE ENGINE MZ011-205	25,000		1PCE				
FEB. 2002	13-186	2CYCLE ENGIN MZ041-TCE	25,000		1PCE				
		DIESEL ENGINE MZ0B1-D1P	25,000		1PCE				
		TOTAL	48.226,400	0.00					

								Revised: J	JLY 2002
Year	JP/No.	Description (Name of Production, Model)	Amount (Yen)	Amount (Birr)	Quantity	Place of Utility (Store)	Condition of Utility	Condition of Maintenance	Remarks
APR. 2002	<del> </del>	**BOOKS**				KALITI	Hight	Good	
APR. 2002	14-1	HYDRAULIC AND PNEUMATIC POWER FOR PRODUCTION	14,564		2VOLS	ditto	ditto	ditto	<b>-</b>
APR. 2002	14-2	FUNDAMENTALS OF APPLIED PHYSICS 3RD EDITION	28,476		2VOLS	ditto	ditto	ditto	
APR, 2002	14-3	MACHINERY'S HANDBOOK 26TH	33,102		2VOLS	ditto	ditto	ditto	
APR, 2002	14-4	GROUND AND WLLS 2ND EDITION	10,269		IVOLS	ditto	ditto	ditto	
	14-5	NEW TRAINING DESIGN FOR LOCAL SOCIAL DEVELOPMENT VOL. 1	11,070		5VOLS	ditto	ditto	ditto	
APR. 2002	14-6	POWER PROGRESS & PARTICIPATION	23,465		5VOLS	ditto	ditto	ditto	
APR. 2002	14-7	HANDBOOK OF GRAVITY-FLOW WATER SYSTEMS	9,693		3VOLS	ditto	ditto	ditto	-
APR. 2002	14-8	WATER TREATMENT AND SANITATION	11,160		5VOLS	ditto	ditto	ditto	
APR. 2002	14-9	DEVELOPING AND MANAGING COMMUNITY WATER SUPPLIES	12,375		5VOLS	ditto	ditto	ditto	
APR. 2002	14-10	HYGIENE EVALUATION PROCEDURES	8,280		5VOLS	ditto	ditto	ditto	
APR. 2002	14-11	THE WORTH OF WATER	19,035		5VOLS	ditto	ditto	ditto	
APR. 2002	14-12	SOCIAL SURVEY METHODS	12,375		5VOLS	ditto	ditto	ditto	
		HYGIENE PROMOTION	12,420		3VOLS	ditto	ditto	ditto	
	14-14	COMMUNITY ASSESSMENT. GUIDELINES FOR DEVELOPING	8,424		3VOLS	ditto	ditto	ditto	
APR: 2002	14-15	TRAINING FOR TRANSFORMATION (A HANDBOOK FOR COMMUNITY WORKERS SERIES)	18,846		3VOLS	ditto	ditto	ditto	
APR. 2002	14-16	TRAINING FOR TRANSFORMATION (A HANDBOOK FOR COMMUNITY WORKERS SERIES VOL. 4)	12,420		3\/OLS	ditto	ditto	ditto	
APR. 2002	14-17	RUNNING WATER: MORE TEDHNICAL BRIEFS FOR HEALTH WATER AND SANITATION	19,035		5VOLS	ditto		ditto	
APR. 2002	14-18	THE OXFAM GENDER TRAINING	37,260		5VOLS		ditto	ditto	
APR. 2002		THE REFLECT MOTHER MANUAL, A NEW APPROACH TO ADULT	8,748			ditto		ditto	
APR. 2002	14-20	RESERVED REALITIES: GENDER HIERARCHIES IN DEVELOPMENT THOUGHT	18,225		5VOLS	ditto	ditto.	ditto	
APR. 2002	14-21	GENDER PLANNING AND DEVELOPMENT: THEORY, PRACTICE	24,840		5VOLS	ditto	ditto	ditto	
	<u> </u>	TOTAL :	354 082	0.00	<del></del>	<b></b>	L		

#### Counterpart Training in Japan

		<del></del>	the state of the s
NAME	FIELD	PERIOD	POSITION
1) Afework Abraha	Training Management	31/03/1998~19/04/1998	Former Project Manager
2) Markos Tefera	Training Management	31/03/1998~19/04/1998	Head of Training Center
3) Tsegaye Haile	Regional Development	25/01/1999~31/05/1999	Counterpart of Local Social
716 T			Development
4) Eyasu Gebru	Training Management	18/03/1999~22/04/1999	Head of Administration and
	·		Finance, MoWR
5) Endris Mohammed	Maintenance of Machinery	11/05/1999~14/08/1999	Counterpart of Drilling
			Machinery Maintenance
			Technology
6) Atakelt Teferie	Water Resource Management	13/09/1999~05/12/1999	Counterpart of Groundwater
	·		Investigation
7) Dr. Mohamed Hago	s Training Management	16/09/2000~02/10/2000	Former Project Director
8) Tefera Asefa	Human Resource Development	05/09/2000~12/11/2000	Project Manager
	Administration		
9) Lakech Haile	Empowerment of Rural Women	08/11/2000~18/12/2000	Counterpart of Women in
			Development
10) Markos Tefera	Training Management	11/06/2001~ 05/08/2001	Head of Training Center
11) Girum Admassu	Water Resource Management	14/08/2001~04/11/2001	Former Counterpart of
			Drilling Technology
12) Fikre Melaku	Drilling Technology	18/08/2001~28/10/2001	Drilling Supervisor
13) Samson Tsewames	skel Waterworks Engineering	18/10/2001~24/11/2001	Senior Expert of Water
			Quality Control







#### List of the Assignment of Personnel

(1) Counterparts

(1)	Counterparts	
No.	Post	Name
1	Project Director	Ato Abera Mekonnen
2	Project Manager	Ato Tefera Assefa
3	Technical Advisor	Ato Yohannes G/Medhin
4	Head of Training Center	Ato Markos Tefera
5	Course Coordinator (WID)	W/t Lakech Haile
		Ato Yeneshet Tsemiru
6	Course Coordinator (LSD)	Ato Tsegaye Haile
		Ato Mateos Tefera
7:00	Course Coordinator (DMMT)	Ato Endris Mohammed
		Ato Mekete Ababulgo
8 hrs	Course Coordinator (DT)	Ato Tesfaye Tadesse
9	Course Coordinator (GWI)	Ato Tamiru Fekadu
10	Course Coordinator (EMT)	Ato Melaku Nesibu
11	Course Coordinator (WSE)	Ato Abenet Alemayahu
12	Course Coordinator (WSM)	Ato Samson Tsewameskel
		· · · · · · · · · · · · · · · · · · ·

(2) Technical Assistant

No.	Post	Name
1	Chief Driller	Ato Fikre Melaku
2	Driller	Ato Girma Mitaw
3	Driller	Ato Mekonnen Aweke
4	Mechanic	Ato Feleke Timekete

(3) Office Staff

No.	Post	Name
1	Secretary	W/ro Zelalem Giruma
2	ditto	W/ro Ketuela Wagayehu
3	Clerk	Ato Tewoderos Tadesse
4	Casher	Ato Tenagne Getachew
5	Store Keeper	W/o Yergedu Asfaw
6	Office Assistant	W/ro Lulit Egeta
7	Janitor	W/ro Bayush Molla
8	ditto	W/ro Yesharege Dagne
9	ditto	W/ro Meslework Mekonnen







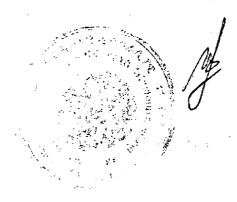
(4) Drivers

No.	Post	Name	
1	Driver	Ato Temesegn Tesema	
2	ditto	Ato Mekuria Lingereh	
3	ditto	Ato Tadesse Mulat	
4	ditto	Ato Dereje W/mariam	
5	ditto	Ato Esayas Shiferaw	
6	ditto	Ato Negussie Ayele	
7	ditto	Ato Bereket Gaitom	
8	ditto	Ato Teshome Desta	
9	ditto	Ato Sahlemariam Gizachew	
10	ditto	Ato Teshome Tachbale	

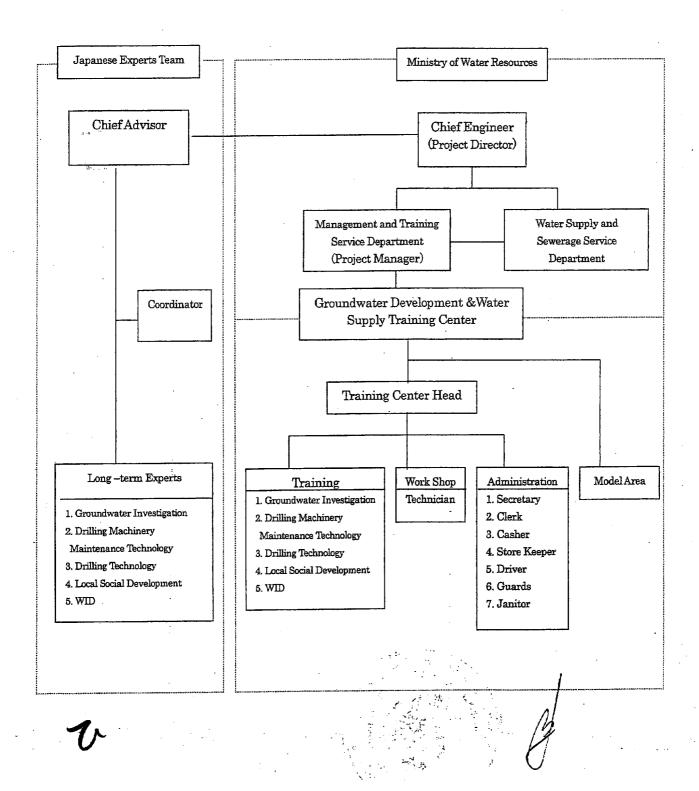
(5) Security Guards

No.	Post	Name
1	Security Guards	Ato Sisay Mekonnen
2	ditto	Ato Lemessa Merech
3	ditto	Ato Dinekesa Ejeta
4	ditto	W/t Konjit Negash
5	ditto	Ato Adugna Alemu
6	ditto	Ato Hailu Feleke
7	ditto	Ato Kebede Aragaw
8	ditto	Ato Yimer Adem
9	ditto	Ato Ayana Kenate
10	ditto	Ato Nessro Mehammed
11	ditto	Ato Negash Demisse
12	ditto	Ato Ayalew Andualem
13_	ditto	Ato Demisse Begashaw
14	ditto	Ato Alemu Tuji
15	ditto	Ato Tesfaye Taye
16	ditto	Ato Takele Tadesse
17	ditto	W/t Shewaget Shiferaw
18	ditto	Ato Dibba Hurisa
19	ditto	Ato Ararso Gutema
20	ditto	Ato Shimeles Adula
21	ditto	Ato kebede Faris
22	ditto	Ato Wondu Kebede
23	ditto	Ato Temesgen Bulcha





#### Organizational Diagram of the GD&WST Project



## **Local Cost Expenses Covered by the MoWR**

Ethiopian Fiscal Year1991 (July 8,1998 \_ July 7,1999) (Unit: Ethiopian Birr)

No.	Component and activities	Annual Budget
1	Project administration & running expense	791,700.00
2	Miscellaneous expenses (Tax & other related expenses)	1,853,800.00
	Total	2,645,500.00

Ethiopian Fiscal Year1992 (July 8,1999 July 7,2000) (Unit: Ethiopian Birr)

No.	Component and activities	Annual Budget
1	Project administration & running expense	966,800.00
2	Miscellaneous expenses	100,000.00
	Total	1,066,800.00

Ethiopian fiscal Year 1993(July 8,2000 \_ July 7,2001) (Unit: Ethiopian Birr)

No.	Component and activities	Annual Budget
1	Dormitory Construction	123,735.00
2	Dormitory facilities	84,165.00
3	Project administration cost	64,449.00
4	Project running expense	191,167.00
5	Miscellaneous expense (Tax related expense)	2,923,789.00
	Total	3,387,305.00

Ethiopian fiscal Year 1994 (July 8,2001 \_ July 7,2002) (Unit: Ethiopian Birr)

No.	Component and Activities	Annual Budget
1	Dormitory Construction	401,507.00
2	Salary for contract employee	125,242.00
3	Perdium & Transportation	524,997.00
4	Material Supply (Office fast moving items, Fuel &	182,953.00
5	Maintenance Service	40,950.00
6	Miscellaneous expense	141,058.00
7	Purchase of Two new Drilling	12,640,105.00
	Total // 2	14,056,812.00



# Summary of the Training Courses

August 15, 2002

	No.	Course Name	Course Outline	Duration	Admission Criteria	Seat Capacity	Japanese Expert	Ethiopian C/P	Remark
	1	Course	Detailed introduction on construction & function of drilling machinery and relevant equipment, and its maintenance method	12weeks (3 month)	Below 46years old, 12 complete graduate or above with 5 years or above work experiences.	10	Mitsuyoshi Sagawa	Mohammed Ato	For aiming effect, the training was targeted for senior class technicians.
	2	Drilling Technology Course	Advanced drilling technique through lectures and practice.	About 12 weeks	High school graduates or Higher background, with at least 2 years drilling experience.	10	Takashi Suzuki	Ato Tesfaye Tadesse	
gen.	3 75.	Groundwater Investigation Course	To acquire the groundwater exploration techniques by obtaining the basic knowledge of groundwater and through the theory and practice of aerial photo analysis, geophysical survey and logging and pumping test.	12 weeks	the University graduates or equivalents who has more than 1 year experience in groundwater development in the State Government.	10	Atsusa Kikawada	Ato Tamiru Fekadu	
"《漢法學	2000	Local Social Development Course:	Participatory local social development and planning: concepts and practices.	9weeks (2 months)	12 complete graduate and above (preferably BA or Diploma holder) with work experiences	10	Masanobu Ninomiya	Ato Tsegaye Haile Ato Mateos Tefera	
4	ie je	Gender and Development Module for LSD Course	Lectures and exercises on the basic knowledge on GAD, Gender issues in water supply projects. Introduction and practice of gender/social analysis methods.	5 days	Subject to the criteria for the admission of Local Social Development Course	10	Akino Kitazume	Wt. Lakech Haile Ato Yeneshet Tsemiru	It is included in the regular Local Social Development Course. The exercise on gender analysis method is partly incorporated into the main course field exercise.
	5-2	Gender and Development Seminar for GI Course	Lectures and exercises on the basic knowledge on GAD, Gender issues in water supply projects.	1 day	Subject to the criteria for the admission of Groundwater Investigation Course	10	Akino Kitazume		It is included in the regular Groundwater Investigation Course.



The evaluation on five criterion is based on the result of survey questionnaire and interviews to those in the Project both as Ethiopian and Japanese sides.

#### 1. RELEVANCE

#### Overall Result: Very high

implementation to the needs of training in water sector    Soal is consistent with the development policy/sector policy of Ethiopia   Development and water supply is very high, therefore the overall goal of the Project is highly consistent to development policy and sectors policy of Ethiopia.    1.1.2 Whether the project purpose is responding to the needs in Ethiopia   Development Program issued in March 2002, Ministry of Water Resource the issue of water supply.	Evaluation Points	Points to be Checked	Evaluation Results	Description
purpose is responding to the needs in Ethiopia  1.1.3 Whether training courses and model area activities are consistent with the sectoral priority in capacity building  1.2 Relevance of the Project limplementation as the Japanese Technical Assistance  purpose is responding to the needs of the regions.  Capacity building is high. The purpose of the Project is highly consistent to the needs of the regions.  Many regional governments have expressed that training in the Center has improvement of participants ability, which is shown in the report of analy by MoWR.  The demand from the regional water bureau for training of increasing capacity.  Many regional governments have expressed that training in the Center has improvement of participants ability, which is shown in the report of analy by MoWR.  The demand for human resource development in the water sector is in difference on the regions.  The demand for human resource development in the water sector is in difference on the regions.  The demand for human resource development in the water sector is in difference on the regions.	implementation to the needs of training in water sector	goal is consistent with the development policy/sector policy of Ethiopia	development and water supply is very high, therefore the overall goal of the Project is highly consistent to development policy and sectors	Water supply ranks among one of top priorities in the country. In draft Water Sector Development Program issued in March 2002, Ministry of Water Resources deals with the issue of water supply.
courses and model area activities are consistent with the sectoral priority in capacity building  Courses and model area activities is consistent to the needs of the regions.  Courses and model area activities is consistent to the needs of the regions.  Courses and model area activities is consistent to the needs of the regions.  Courses and model area activities is consistent to the needs of the regions.  The project purpose is consistent with JICA's Technical Cooperation policy for human resource  The demand for human resource development in the water sector is in diffusion one of which is capacity building in the area of groundwater development in this respect, the assistance by the Japanese Technical Co-operation to the needs of the regions.	The state of the s	purpose is responding to the	capacity building is high. The purpose of the Project is highly consistent to the needs of the	Water supply ranks among one of top priorities in the country. Therefore there is growing demand from the regional water bureau for training of increasing their capacity.
implementation as the relevant as Japanese with JICA's Technical Cooperation one of which is capacity building in the area of groundwater development one of which is capacity building in the area of groundwater development on the policy for human resource. In this respect, the assistance by the Japanese Technical Co-operation to the policy for human resource.	Ett. opis "	courses and model area activities are consistent with the sectoral priority in capacity building	capacity building is high. The content of training courses and model area activities is consistent to the needs of the regions.	Many regional governments have expressed that training in the Center has made improvement of participants ability, which is shown in the report of analysis compiled by MoWR.
need in the water sector in Ethiopia.	implementation as the	relevant as Japanese	with JICA's Technical Cooperation policy for human resource development and relevant to the	The demand for human resource development in the water sector is in different fields, one of which is capacity building in the area of groundwater development activities. In this respect, the assistance by the Japanese Technical Co-operation to the implementation of the project is appropriate and significant.



#### 2. EFFECTIVENESS

# Overall Result: high

	Evaluation Point	Points to be Checked	Evaluation Results	Description
	achievement of the human resource	training courses in the Centre and its contribution to the regional governments	performance of the graduates has been appreciated by the regional bureau and enterprises as it has been stated in the report of analysis compiled by MoWR.	
1		courses in the center	All training courses have been conducted effectively to the achievement of the Project Purpose.	All courses have been conducted very effectively by the Center. All participant have graduated from the Center. In some cases, level of experience and qualification of trainees have been different.
		2.1.3 Implementation of model area activities	The model area activities were implemented effectively and those who participated effectively exercised.	Water supply facility was installed and Water committee was organised as a part of training. The model area activities contributed the accumulation of field experience for trainees who participated. Also, graduates from Local Social Development course would be able to exercise the knowledge in their field activities. Difficulty of synchronising conducting training courses and implementation of model area activities was recognised.
C.	The Regional Government recognize the importance of gender issue in groundwater development and water supply	2.2.1 Gender issue is emphasised in the regional government for groundwater development and water supply project.	The Center has contributed emphasising gender issue in groundwater development and water supply.	Some regions have started to emphasis gender aspect on water supply project. However, the effect in gender and water supply would take time and the results cannot be seen immediately.

## 3. EFFICIENCY

# 4

## Overall Result: high

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	Evaluation Point	Points to be Checked	Evaluation Results	Description
ar qu	e reasonable as	3.1.1 Appropriateness of the Japanese input in terms of number, profession, timeliness	Japanese input as dispatch of experts, counterpart training in Japan, and provision of equipment have been appropriate and efficent.	Long-term experts made high performance in the training as well as short- term experts. Counterpart training in Japan and provision of equipment have been effectively implemented. Customs clearance and transportation for those equipment took time.
		3.1.2 Appropriateness of the Ethiopian input in terms of number, profession, timeliness	equipment and land have been	Allocation of Ethiopian staff for the Centre has been made according to discussion of the mid-term evaluation except second counterpart of DT has not been assigned. MoWR's effort has been highly recognised. There were a few exceptional cases where recognition on counterpart eligibility was argued by MoWR and Japanese experts.
	2 Appropriateness of stal cost of input	3.2.1 Local cost support by Japanese side	Appropriate and efficient	Local cost support for training and building the infrastructure was efficiently used for ongoing project activities. The support for the hiring external instructors was appropriate.
	inger Marije	3.2.2 Allocation of operational cost by Ethiopian side	Appropriate and efficient	MoWR has increased its budget for operation of the Center. Expenditure for participants perdiem and transportation have been efficiently disbursed from the latter half of JFY 2001.
	3 Whether input are ffectively utilised	3.3.1 Utilisation of input for the training in the Centre	Appropriate and efficient	Personnel, facilities/equipment, operational expense for the Center was utilised efficiently to manage training course.
*	A. C. C. C. C. C. C. C. C. C. C. C. C. C.	3.3.2 Utilisation of input for the model area activities	Appropriate and efficient	The project staff were well utilised to implement model area activities. All equipment were fully utilised. It requires continuous monitoring regularly.
a . 0	.4 Degree of chievement that utput of the project re made by the input	3.4.1 Appropriateness of input to achieve project output	Appropriate	The Center is only organisation for offering practical training to regional staff in groundwater development and water supply. By July 2002, number of graduates from the Center counts 325 including workshops totally, and all of them graduated.



## 4.IMPACT

#### Overall Result: high

	Evaluation Points	Points to be Checked	Evaluation Results	Description
	to the enhancement of	4.1.1 Impact on the promotion of groundwater development and water supply in the regions	oroundwater development and water	The Project could have impact to increase capacity of regional water bureau. It improves the activity of staff for groundwater development and water supply project. Such improvement is observed in the report of analysis done by MoWR.
		4.1.2 Impact on gender aspect for the groundwater development and water supply in the regions	Participants recognised the concept and how to consider the issue of gender in groundwater development and water supply. However, consideration of gender issue by all stakeholder in regions would take time and the results cannot be seen immediately.	The Center is the only training organization which provides lessons on gender issue on groundwater development and water supply. It could be realised that impact of gender and development on rural water supply.
NA CONTRACTOR	4.2 Contribution by the project into which the efficiency of groundwater development and water supply project is improved in the Regional governments	4.2.1 Impact on efficiency of groundwater development and water supply project	The project has contributed the efficiency of groundwater development and water supply projects through training of staff of regional bureau and enterprises.	The Project could have impact to increase efficiency of groundwater development and water supply project in regions. It improves the utilisation of machinery and facility, which is observed in the report of analysis done by MoWR. However, there is no quantitative data to prove that such contribution is directly linked to increase of the number of water supply project.
<sup>(</sup> 0/	4.3 Degree in which the model area activities contribute to the improvement of rural people's livelificod/attitudes	4.3.1 Impact on change in attitude and action of community in the model area	The Project has contributed to give positive attitude and action of the people in the model area. They are motivated for development activities.	The model area activities gave the impact on awareness of local community through participatory approach done by the Project.
	414: Unexpected positive and negative impacts by the project	4.4.1 Unintended positive impact produced by the project	The project have produced positive impact on activities and attitude of regional staff.	Some graduates have tried to organize workshop to extend their knowledge and skills to other regional staffs. Also, the Centre has gradually established reliability among stakeholders in water supply sector, that regional governments and other organisation such as NGO have requested to have opportunity of to be trained.
		4.5.2 Unintended negative impact caused by the project	Some graduates have left regional governments for finding job outside.	Some graduates tend to search higher salary and leave the regional government.

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#### 5. SUSTAINABILITY

## Overall Result: Probability is high

Evaluation Point	Points to be Checked	Evaluation Results	Description
5.1 Sustainable support for the management of the Center by Ethiopian government	5.1.1 Whether MoWR has intention to sustain the Center as focal point of capacity building for water supply.	MoWR has intended to sustain the Center for coming years.	MoWR has strong intention that the status of the Center will be improved from project to semiautonomous entity accountable to Ministry.
5.2 Institutional capacity of MoWR/the Center	5.2.1 Whether technological transferee from Japanese expert to Ethiopian Staff has proceeded properly or not.		In order to manage the Center properly, continued efforts of capacity building of Ethiopian staff is encouraged for improving teaching skills and broadening their knowledge.
	5.2.2 Whether administrative and operational system of the centre will be well maintained or not.		MoWR will keep allocation of budget for the Center.
	5.2.3 Whether the facilities and equipment in the Center will be used and well maintained or not.	The facilities and equipment in the Center will be used and well maintained by MoWR.	MoWR will allocate the budget for maintenance of facilities and equipment in the Center. Maintenance Section in the MoWR has provided maintenance service to maintain facilities and equipment.
5.3 Institutional arrangement for the Center to keep personnel who transferred technologies through the project.	5.3.1 Whether the trained Ethiopian staff will keep working in the Center appropriately posted or not	MoWR will consider capacity building of staff in the Center.	MoWR will consider capacity building of staff in the Center.

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