

付 属 資 料

1. 協議議事録M/M

**MINUTES OF MEETING
ON
THE MID-TERM REVIEW
ON
TECHNICAL COOPERATION
FOR
FORMULATION AND TRAINING OF THE DADP GUIDELINES
ON IRRIGATION SCHEME DEVELOPMENT
IN
THE UNITED REPUBLIC OF TANZANIA**

The Japanese Mid-term Review Team (hereinafter referred to as “the Japanese Team”), organized by the Japan International Cooperation Agency (hereinafter referred to as “JICA”) and headed by Mr. Kiyoshi Masumoto, reviewed the progress of the Technical Cooperation for Formulation and Training of the DADP Guidelines on Irrigation Scheme Development (hereinafter referred to as “the TC”) from 16th to 24th February, 2009 together with the Tanzanian review team in the form of joint review.


The Joint Review Team (hereinafter referred to as “the Team”), which consists of three members from JICA and three members from the Government of Tanzania, was organized for the purpose of conducting the Mid-term review and for preparation of necessary recommendations to the respective governments.

After intensive study and analysis of the activities and achievements of the TC, the Team prepared the Mid-term Review Report (hereinafter referred to as “the Report”), and presented it to the Joint Coordinating Committee (hereinafter referred to as “the Committee”).

The Committee discussed the major issues pointed out in the Report, and agreed to report to their respective Governments the matters referred to in the document attached hereto.

Dar es Salaam, 25th February, 2009


Mr. Kiyoshi Masumoto
Team Leader
Mid-term Review Team,
Japan International Cooperation Agency
Japan


Eng. Mbogo Futakamba
Director
Irrigation and Technical Services Division,
Ministry of Water and Irrigation
United Republic of Tanzania

Major Points of Discussions

1. The Team presented the Mid-term Review Report to the Committee, and the Committee approved the Report. The Report is in APPENDIX 1.
2. The modification of the tentative logical framework was proposed by the joint review team, because some of the indicators and expressions were not appropriate for monitoring and evaluating the Project. Both the Tanzanian and Japanese sides agreed to modify the logical framework as proposed in the Mid-term Review Report. The logical framework agreed is in APPENDIX 2.
3. The tentative Plan of Operation was reviewed and revised. Both the Tanzanian and the Japanese sides agreed on modification of the Plan of Operation as in APPENDIX 3.
4. The Japanese Team confirmed that the implementing agency of the TC, that is Irrigation and Technical Services Division (it was named the Department of Irrigation and Technical Services, when the TC started), has been transferred to the Ministry of Water and Irrigation since February, 2008 because of the reorganization of ministries.
5. The Tanzanian side requested that JICA assist to disseminate the DADP guidelines on Irrigation Scheme Development to the three zones which were not the target area of the TC. The Japanese side responded that the Japanese side would consider it examining the achievements of the TC in detail roughly six month before terminating the TC.

APPENDIX 1: Mid-term Review Report

APPENDIX 2: Logical Framework (as of February, 2009)

APPENDIX 3: Plan of Operation (as of February, 2009)



APPENDIX 1: Mid-term Review Report

Mid-term Review Report
on
Technical Cooperation
for
Formulation and Training of the DADP Guidelines
on Irrigation Scheme Development

February, 2009

Irrigation and Technical Services Division,
Ministry of Water and Irrigation
Japan International Cooperation Agency

R

gtw

1. Objectives and Method of Mid-term Review

1-1. Objectives of Mid-term Review

The objectives of the mid-term review are as follows:

- (1) To visit the sites of the Technical Cooperation for Formulation and Training of the DADP Guidelines on Irrigation Scheme Development (hereinafter referred to as “the TC”), and to review the TC’s activities and progress, and to exchange opinions with the Tanzanian authorities concerned.
- (2) To make comments and advice on the plan of activities based on the results of the review.
- (3) To participate in the Joint Coordinating Committee (hereinafter referred to as “the Committee”) in order to present and discuss the result of review with the Tanzanian authorities concerned.

1-2. Schedule of Review

The Mid-term Review was undertaken from 16th to 24th February, 2009.

1-3. Members of Review

(Japanese side)

- | | | |
|-------------------------|-----------------------------|--|
| 1. Mr. Kiyoshi Masumoto | Team Leader | Chief Representative
JICA Tanzania Office
Japan International Cooperation Agency |
| 2. Mr. Koji Sunazaki | Cooperation
Coordination | Representative
JICA Tanzania Office
Japan International Cooperation Agency |
| 3. Ms. Keiko Mizoe | Cooperation
Planning | Program Officer
East & Southern Africa Division,
Rural Development Department,
Japan International Cooperation Agency |

(Tanzanian Side)

- | | |
|---------------------------|---|
| 1. Eng. Raphael L. Daluti | Assistant Director, Construction and Supervision
Irrigation and Technical Services Division, |
|---------------------------|---|



Ministry of Water and Irrigation

2. Eng. Ally H. Simba

Principal Irrigation Engineer,
Irrigation and Technical Services Division,
Ministry of Water and Irrigation

3. Eng. Othman O. Shaame

Principal Irrigation Engineer,
Irrigation and Technical Services Division,
Ministry of Water and Irrigation

1-4. Method of Review

The TC was reviewed jointly by the Japanese and Tanzanian sides. Both sides examined the Logical Framework (hereinafter referred to as “the L/F”) of the TC. The L/F is a summary table of the overall description of the TC with its objectives, activities and environments.

Both sides confirmed the progress of the TC in terms of its purpose, outputs, activities and inputs stated in the L/F. Both sides reviewed the progress based on the five criteria, namely, Relevance, Effectiveness, Efficiency, Impact, and Sustainability. The descriptions of these criteria are given below.

- 1) Relevance: The relevance is a measure for determining whether the outputs, the purpose and the overall goal of the TC are still in line with the priority needs and concerns at the time of review.
- 2) Effectiveness: The effectiveness is concerned with the extent to which the purpose of the TC has been achieved, or is expected to be achieved, in relation to the outputs produced by the TC.
- 3) Efficiency: The efficiency is a measure for productivity of the implementation process: how efficiently the various inputs are converted into the outputs.
- 4) Impact: The impact is intended or unintended, direct or indirect, positive or negative changes that occur as a result of the TC.
- 5) Sustainability: The sustainability is a measure for determining whether or not the



outcomes of the TC are likely to continue after the external aid comes to an end.

2. Outline of the TC

2-1. Background of the TC

As a result of “The Study on the National Irrigation Master Plan in the United Republic of Tanzania” assisted by JICA, the Guideline on Irrigation Scheme Formation for District Agricultural Development Plans (hereinafter referred to as “DADP”) was formulated in order to promote irrigation development by districts under the Agriculture Sector Development Programme (hereinafter referred to as “ASDP”) in 2004. However, sensitization of the guideline such as training was not conducted, and the guideline was not fully utilized. Besides, it became obvious that implementation, and operation and maintenance (hereinafter referred to as “O&M”) for proper irrigation development should also be covered by the guideline. Therefore, the Government of Tanzania (hereinafter referred to as “GoT”) requested the Government of Japan to provide technical assistance for formulating a comprehensive guideline for irrigation development under District Agricultural Development Plan (hereinafter referred to as DADP), and assisting training of the guideline.

The TC started in February, 2007 for the purpose of capacity development of zonal and districts’ staff in planning, implementation, and O&M. The TC with the stakeholders’ involvement is engaged in formulating a comprehensive guideline and carrying out verification studies, conducting training, and strengthening technical backstopping from Zonal Irrigation and Technical Services Units (hereinafter referred to as “ZITSU”) to districts’ officials.

2-2. Summary of the TC

The grand design of the TC is drawn in the L/F (refer to ANNEX 1). Its summary is as follows.

Table 1. Summary of the TC

Overall Goals:	<ol style="list-style-type: none">1. The TC contributes to the ASDP Objectives of improving and expanding irrigated agriculture.2. Irrigation scheme development under DADPs is improved and promoted.
----------------	---



Project Purpose:	Capacities of the target Districts and Zonal Irrigation Technical Service Units for planning, implementation and O&M of irrigation schemes are enhanced.
Outputs:	<ol style="list-style-type: none"> 1. Technical guidelines on planning, implementation of irrigation scheme development, and O&M under DADPs (“Comprehensive G/L”) are developed. 2. Technical support systems for irrigation technicians at district level are strengthened.

2-3. Duration of the TC

Three years from 1st February 2007 to 31st January 2010.

2-4. Implementing Agencies

Irrigation and Technical Services Division, Ministry of Water and Irrigation. (Until February, 2008, Irrigation and Technical Services Division was in the Ministry of Agriculture, Food Security and Cooperatives)

2-5. Target Area

Morogoro, Kilimanjaro, Mbeya, and Mtwara Irrigation Zones.

2-6. Target Groups

Zonal and District staff in the four Irrigation Zones.

3. Proposed Revision of Logical Framework

The Joint Mid-term Review Team (hereinafter referred to as “the Team”) proposes revision of the L/F on overall goal, verifiable indicators, measures of verification etc. as described in the following table.

Table 2. Major modifications on the Logical Framework

Item	Original Version (Version 1)	Proposed revision (Version 2)	Reason of change
Super Goal		The TC contributes to the	The first overall goal,

	—	ASDP objectives of improving and expanding irrigated agriculture.	which is “to contribute to expanding irrigated agriculture,” will be achieved after the second overall goal is achieved.
Overall Goal 1	The TC contributes to the ASDP Objectives of improving and expanding irrigated agriculture.	Deleted.	To see above reason
Activities 2-1	To provide irrigation technicians/engineers in the target Districts and ZITSUs with training on the Comprehensive G/L in Morogoro and Kilimanjaro Irrigation Zones.	To provide irrigation technicians/engineers in the target Districts and ZITSUs with training on the Comprehensive G/L.	The target Districts and the phrase of “in Morogoro and Kilimanjaro Irrigation Zones” are partially overlapped, so that the latter phrase is deleted.
Objectively Verifiable Indicators	Some of the Objectively Verifiable Indicators for the Super Goal, the Overall Goal, the Purpose, and the Outputs are modified to be more appropriate and clear. (Please refer to the L/F version 1 and 2 in ANNEX 1 and 2)		
Means of Verification	Measures of Verification for the Super Goal, the Overall Goal, the Purpose, and Outputs are modified reflecting on actual situations. (Please refer to the L/F version 1 and 2 in ANNEX 1 and 2)		
Important Assumptions	Some important assumptions are added and modified to reflect on actual conditions.		

4. Progress and Achievement of the TC

4-1. Inputs

4-1-1. Inputs by Japanese Side

- Experts (ANNEX 3)
- Equipment (ANNEX 4)
- Training in Japan (ANNEX 5)
- Local cost allocated by the Japanese side (ANNEX 6)

4-1-2. Inputs by Tanzanian Side

- Counterpart personnel (ANNEX 7)
- Two offices for the long-term experts in Headquarters

- Four offices for the short-term experts in each four ZITSU
- Local cost allocated by the Tanzanian side (ANNEX 8)

4-2. Progress and Achievement of the TC

4-2.1. DADP Guidelines on Irrigation Scheme Development

4-2-1-1. Guideline on Irrigation Scheme Formulation for DADP

The Guideline on Irrigation Scheme Formulation for DADP (hereinafter referred to as “the formulation G/L”) was formulated during the implementation of “The Study on the National Irrigation Master Plan in the United Republic of Tanzania” supported by JICA in 2004. However, the formulation G/L had not been fully utilized by district staff. Therefore, the TC conducted the applicability tests of the formulation G/L in four districts in each four targeted zones, which are Songea in Mtwara Zone, Morogoro Rural in Morogoro Zone, Kilolo in Mbeya Zone, and Monduli in Kilimanjaro Zone, from March to July 2007. The applicability tests have successfully been implemented with active participation of zonal and districts’ staff, and various points have been found to improve the formulation G/L. In July 2007, the formulation G/L was publicized in the workshop in which stakeholders of irrigation development participated. The formulation G/L has been revised reflecting the results of the applicability tests and the stakeholders’ opinions given in the workshop.

According to the evaluation sheets of the formulation G/L training, 83% of the participants, who were the district officers in the target area, answered the training was successful, and 99% of the participants answered the contents of the formulation G/L were useful. Before the TC started, there were 8 proposals for the District Irrigation Development Fund (hereinafter referred to as “DIDF”) from 3 districts in the Tanzanian fiscal year 2006/07. The number increased up to 145 proposals in the Tanzanian fiscal year 2007/08 after the training on the formulation G/L. Approximately 80% of them (111 proposals) were submitted by the districts in the target area who took part in the trainings organized by the TC. The ratio of the districts in four target zones in obtaining DIDF was significantly larger than that of the districts in non-target zones.

4-2-1-2. Implementation Guideline on Irrigation Scheme Development for DADP

The draft Implementation Guideline on Irrigation Scheme Development for DADP (hereinafter referred to as “the implementation G/L”) was formulated, and two workshops were held with the stakeholders in December, 2007 and February 2008. The draft implementation G/L has been revised reflecting the stakeholders’ opinions and the results of the verification studies. The training programmes of “planning and design,” “tender and

contract” were conducted. Training on “construction management” will be conducted soon. According to the evaluation after the training, 72-73% of the participants answered that they understood the contents of the training well. Although there was still some room for improvement, all of the participants (district staff) stated that the implementation G/L was useful. The implementation G/L will be finalized after reflecting the results of verification studies, which will be completed around June, 2009.

4-2-1-3. Operation and Maintenance Guideline on Irrigation Scheme Development for DADP
The draft Operation and Maintenance Guideline on Irrigation Scheme for DADP (hereinafter referred to as “the O&M G/L”) was formulated as a part of the implementation G/L, and the verification study was implemented until December 2008. The workshop was held to present the results of the verification study and to collect the stakeholders’ opinions in December 2008. The training on O&M G/L will be held in sometime in the year 2009.

4-2-1-4. Comprehensive Guideline on Irrigation Scheme Development for DADP
The comprehensive Guideline on Irrigation Scheme Development for DADP (hereinafter referred to as “the comprehensive G/L”) will be formulated consolidating the formulation G/L, the implementation G/L, and the O&M G/L. According to the tentative Plan of Operation (hereinafter referred to as “PO”), the comprehensive G/L plans to be completed by the end of June, 2009. However, modification of the tentative PO is proposed, and the comprehensive G/L will be finalized in September, 2009 to fully reflecting the results of the verification studies.

4-2-2. Verification Studies

The verification studies have been taking place for checking feasibility of the implementation G/L in Mbalangwe in Morogoro Zone, and Mahande in Kilimanjaro Zone. The verification studies are now in the last step of implementation, which is construction. The verification studies are behind the schedule, because of the various factors such as a work load of Zonal officers and the timing of budget expenditure. The findings from the verification studies were shared in the workshops and reflected in the implementation G/L. The verification studies will be completed around June, 2009.

The verification study for the O&M G/L has been implemented in Mkindo Irrigation Scheme in Morogoro Zone. The verification study was conducted from August to December 2008 and the findings were shared in the workshop in December, 2008 and reflected in the O&M G/L.

According to the interviews to officers of districts, Irrigation and Technical Services Division

including ZITSU, and the Japanese experts, the verification studies were effective in making the guidelines more practical and in enhancing Tanzanian side's ownership on the guidelines. In addition, zonal and districts' staff has grown their confidence in utilizing guidelines through experience of verification studies.

4-2-3. Technical Support to District Staff

The TC implemented training of trainers regarding the formulation G/L and the implementation G/L for the officers of ZITSU and the instructors of the Ministry of Agriculture Training Institutes (MATI). Trainings on project formulation, planning and design, tender and contract have so far been conducted. The list of trainings and seminars conducted by the TC is in ANNEX 9.

In the guidelines, the consultation issues that district officers need to know from the ZITSU officers are explained. In the evaluation of the training, the vast majority of the district officers responded that they need some assistance from officers of ZITSU when they do their work following the guidelines. In fact, both zonal and district's officers confirmed that consultations between zones and districts have increased. The TC has steadily formed the base of the technical support system from ZITSU to districts.

4-2-3. Dissemination Plan of Guidelines

The dissemination plan of the comprehensive G/L will be made after the comprehensive G/L is finalized. Since the Irrigation and Technical Service Division was transferred from Ministry of Agriculture, Food Security and Cooperatives to Ministry of Water and Irrigation, it has not been decided which section is in charge of dissemination of the comprehensive G/L. The organizational arrangement for dissemination should be made as soon as possible.

5. Results of Review

5-1. Relevance

The relevance of the TC remains high in terms of following context;

(1) In the context of Tanzanian policy

This TC is relevant in accordance with Tanzanian policy. Irrigation development is one of the main priorities in the agriculture sector. In order to further promote irrigation development, the Tanzanian side is currently in the process of making National Irrigation Policy.

(2) In the context of Japan's development assistance policy

Agricultural sector is one of three priority areas of Japanese assistance to the United Republic of Tanzania. In addition, in TICAD IV held in May, 2008, JICA and AGRA (Alliance for a Green Revolution in Africa) launched CARD (Coalition for African Rice Development), which aims to double rice production in Sub-Sahara Africa within ten years. For doubling rice production, irrigation development is crucial.

5-2. Effectiveness

The Effectiveness of the TC is expected to be high. According to the evaluation sheets after trainings and the opinions at workshops, almost all the district officers in the target areas responded the contents of the formulation G/L and the implementation G/L are useful for the districts. In addition, the ratio of the districts in target zones in obtaining the DIDF is larger than that of the non-target areas, and this proves that capacities of the districts have been enhanced and the technical support system in target zones has been strengthened.

6-3. Efficiency

The efficiency of the TC is expected to be high. The TC utilizes and improves the already existing DADP irrigation formulation guideline formulated during "The Study on the National Irrigation Master Plan in the United Republic of Tanzania" supported by JICA. The dispatched Japanese short-term experts, who are familiar with the activities of the TC, made it possible for them to prepare and work efficiently. The inputs of Tanzanian and Japanese sides are appropriate generally in terms of quantity, quality and timing, and have been utilized well for the activities of the TC.

5-4. Impact

The impact of the TC is expected to be high as far as the dissemination plan of the comprehensive G/L is properly implemented, and the technical supports for district irrigation technicians by officers of ZITSU are provided in all zones.

5-5. Sustainability

The sustainability of the TC depends on the following points:

(1) Technical point of view

Some of the districts have already started to practice the guidelines learned in the training.

The technical level of the Irrigation and Technical Service Unit and ZITSUs would be enough to carry out training and technical supports to district irrigation technicians. However, the number of officers in ZITSU is inadequate to strengthen the technical supports to district officers.

Although the technical level of the Irrigation and Technical Service Unit and ZITSUs would be enough to revising the guidelines in the future, the system of revising and improving the guidelines needs to be established.

(2) Institutional point of view

Coordination and collaboration among three organizations (the Irrigation and Technical Services Division, ZITSUs and districts) are being promoted under the TC and the collaboration has been improved. In order to further disseminate the guideline, the dissemination plan need to be implemented with a proper organizational arrangement. Therefore, an organization in charge of dissemination of the guidelines should be designated, and the roles and responsibility of each three organization should be clarified in the dissemination plan.

(3) Financial point of view

The Tanzanian side needs to secure budget for disseminating the comprehensive G/L and for fostering and allocating human resources to strengthen the technical support system to districts.

In terms of irrigation development, sufficient budget for DIDF need to be allocated in order to utilize the outcome of the TC.

6. Conclusion

The Team observed that most of the TC's activities have been smoothly implemented in line with the plan. The followings are some highlights from the review findings.

- The guidelines have been made with various stakeholders such as zonal and districts' officers, so that ownership and recognition of the guidelines among the stakeholders are high.
- The districts officers were able to easily understand the guidelines, since the guidelines



were made in simple and understandable way.

- The Team observed that both zonal and districts' officers were more aware of effectiveness of consultation by ZITSU than before. They stated that consultation between zones and districts has increased.
- The verification studies on implementation are behind the schedule due to various reasons such as a work load of Tanzanian officials and timing of budget allocation.
- Irrigation development under DADP has increased. However, the amount of DIDF decreased this year, and the number of the approved projects fell even though the number of the proposal from districts rose.

The Team concluded that the purpose of the TC, that is to say "Capacities of the target Districts and Zonal Irrigation Units for planning, implementation and O&M of irrigation schemes are enhanced" will be achieved at the completion of the cooperation period, as long as momentum and spirit gained so far by all concerned parties is maintained.

7. Recommendation

The Team recommends that the following measures be taken by the end of the TC's period.

- Although the newsletters of the TC have been sent to the stakeholders, the activity of 2-1, which is "to send information on irrigation development from DITS to Districts and other stakeholders including the progress of the activities," need to be further strengthened. Information that should be shared among stakeholders needs to be clarified, and the means of sharing information need to be considered.
- The stakeholders and the Japanese experts recognized that the part of construction management in the implementation G/L needs to be amended. JICA need to consider dispatching a short-term expert in the area of construction management to support reflection of the verification studies in the guideline.
- The Irrigation and Technical Services Division should ensure dissemination of these guidelines for sustainability of planning and implementation of irrigation scheme development along with O&M. The Division will designate the implementation of this

task by the time of final evaluation of the TC.

- Frequent revision of the guidelines for ensuring conformity with the ongoing changes of irrigation development is required. The system of revising the guidelines needs to be considered and be looked upon with all relevant stakeholders presumably the District Authorities in collaboration with Agricultural Lead Ministries (ASLMs).
- It is required that budget by the Tanzanian side is disbursed as soon as possible to prevent further delays of the verification studies.
- Irrigation scheme development adopted as DIDF projects decreased in the Tanzanian fiscal year 2008/09. It is recommended that the Tanzanian side make the best effort to secure the budget for DIDF enough to utilize the outcome of the TC.
- Through the mid-term review, it was confirmed that the technical backstopping of ZITSU to districts has been gradually strengthened. However, human resources in the irrigation sector are still limited at all levels. It is recommended that the Tanzanian side take necessary measures to foster human resources and enhance capacities of existing staff.

ANNEX 1: The Logical Framework (Original version: Version 1)

ANNEX 2: The Logical Framework (Proposed version: Version 2)

ANNEX 3: Assignment of the Japanese Experts

ANNEX 4: List of Equipment

ANNEX 5: Acceptance of Tanzanian Counterpart Personnel for Training in Japan

ANNEX 6: Local Cost allocated by the Japanese Side

ANNEX 7: Assignment of Tanzanian Counterpart personnel

ANNEX 8: Local Cost Allocated by the Tanzanian Side

ANNEX 9: List of Trainings and Workshops

ANNEX 1: The Logical Framework (Original version: Version 1)

Logical Framework

Title: Technical Cooperation for Formulation and Training of the DADP Guidelines on Irrigation Scheme Development

Target Area: Morogoro, Kilimanjaro, Mbeya, and Mtwara Irrigation Zones Target Groups: Zonal/District staff in the four Irrigation Zones

Period: February, 2007 to January, 2010 (3.0 years)

ver. 1 as of December, 2006

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions (Externalities)
Overall Goals 1) The TC contributes to the ASDP Objectives of improving and expanding irrigated agriculture. 2) Irrigation scheme development under DADPs is improved and promoted.	A number of irrigation schemes developed in accordance with the Comprehensive G/L in the whole country with an emphasis on techniques, socio-economic conditions, financial sustainability, profitability, and environmental conservation.	ASLM's M&E Reports on DADPs	Budget for irrigation development at District level does not substantially decrease.
Purpose Capacities of the target Districts and Zonal Irrigation Technical Service Units for planning, implementation and O&M of irrigation schemes are enhanced.	A number of irrigation schemes developed in accordance with the Comprehensive G/L in the target area.	> Monitoring reports of the TC. > ASLM's M&E Reports on DADPs	Comprehensive G/L is disseminated to other irrigation zones based on the dissemination plan under the initiative of MAFC.
Outputs 1. Technical guidelines on planning, implementation of irrigation scheme development, and O&M under DADPs ("Comprehensive G/L") are developed. 2. Technical support systems for irrigation technicians at district level are strengthened.	1-1. Quantity and quality of the information in the Comprehensive G/L. 2-1. A level of understanding of trained District irrigation technicians on the Comprehensive G/L. 2-2. A number of plans on irrigation schemes development under DADPs. 2-3. Quantity and quality of technical supports to District irrigation technicians 2-4. A dissemination plan submitted to the PS, MAFC	> Monitoring reports of the TC. > Annual Reports prepared by the ASCOs in the 4 Irrigation Zones, > Semi-Annual Reports prepared by the Sub-Component monitoring team, and > Annual Financial Reports prepared by the SCO for auditing.	Zonal irrigation engineers/technicians and District irrigation technicians trained under the TC are continuously assigned to the same positions.

Activities 1-1. To conduct applicability tests of the Guidelines for Irrigation Scheme Formulation for DADP ("Formulation G/L"). 1-2. To carry out residential training on the revised Formulation G/L. 1-3. To develop draft Implementation Guidelines on irrigation scheme development ("Implementation G/L"). 1-4. To verify the draft Implementation G/L through assisting the target Districts with construction and/or rehabilitation of irrigation schemes in Morogoro and Kilimanjaro Irrigation Zones. 1-5. To develop the Comprehensive G/L by revising and consolidating the revised Formulation G/L and Implementation G/L. 2-1. To provide irrigation technicians/engineers in the target Districts and ZITSUs with training on the Comprehensive G/L in Morogoro and Kilimanjaro Irrigation Zones. 2-2. To provide technical supports to District staff in the above four Irrigation Zones. 2-3. To send information on irrigation development from DITS to Districts and other stakeholders including the progress of the activities. 2-4. To hold sensitization seminars on the Comprehensive G/L for other Irrigation Zones. 2-5. To propose a dissemination plan of the Comprehensive G/L including training programmes and institutional arrangements for capacity building and technical supports for District irrigation technicians.	Inputs Japanese Side 1. Dispatch of Expert > Chief Advisor/ Irrigation Development > Coordinator/ Training Planning > Short-term Experts in the following areas may be dispatched upon necessity: -Civil engineering; -Water management -Participatory planning; -Engineering works; and -O&M 3. Provision of Equipments 4. Training of the task members in Japan and/or in third countries 5. Allocation of operational costs for the TC	Inputs Tanzanian side 1. Assignment of task members 2. Provision of working spaces and necessary facilities in DITS, ZITSUs, and target Districts 3. Allocation of implementation costs for the TC including recurrent costs, DADG/DIDE	The TC is accepted by the authorities involved in the NIDSC. Pre-condition 1. Irrigation development is ranked a top priority in the agriculture policy in Tanzania. 2. Security conditions in the target areas are maintained.
---	--	---	---

ANNEX 2: Logical Framework (Proposed version: Version 2)

Logical Framework

Title: Technical Cooperation for Formulation and Training of the DADP Guidelines on Irrigation Scheme Development

Target Area: Morogoro, Kilimanjaro, Mbeya, and Mtwara Irrigation Zones Target Groups: Zonal/District staff in the four Irrigation Zones

Period: February, 2007 to January, 2010 (3.0 years)

ver. 2 as of February, 2009

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions (Externalities)
Super Goals The TC contributes to the ASDP Objectives of improving and expanding irrigated agriculture.	Irrigation areas developed, rehabilitated, and maintained in accordance with the Comprehensive G/L.	<ul style="list-style-type: none"> ➤ ASLM's M&E Reports on DADPs ➤ DITS's reports 	
Overall Goals Irrigation scheme development under DADPs is improved and promoted.	Irrigation areas are expanded at least 10,000 ha per year in line with the Comprehensive G/L.	<ul style="list-style-type: none"> ➤ DITS's reports 	
Purpose Capacities of the target Districts and Zonal Irrigation Technical Service Units for planning, implementation and O&M of irrigation schemes are enhanced.	<ul style="list-style-type: none"> ➤ More than 80 % of the target groups use the guidelines to improve irrigation development. ➤ At least two persons per each zone are qualified as trainers of the guidelines. 	<ul style="list-style-type: none"> ➤ DITS's reports ➤ Monitoring reports of the TC. 	Comprehensive G/L is disseminated to other irrigation zones based on the dissemination plan under the initiative of DITS. Budget for irrigation development at District level increase.
Outputs 1. Practical technical guidelines on planning, implementation of irrigation scheme development, and O&M under DADPs ("Comprehensive G/L") are developed with stakeholders. 2. Technical support systems for irrigation technicians at district level are strengthened.	<p>1-1. At least six times of meeting are held for presenting and discussing draft/concepts of the Guidelines to stakeholders</p> <p>1-2. More than 80 % of the target group considers guidelines useful.</p> <p>2-1. Technical services that Zonal irrigation staff provides are clarified.</p> <p>2-2. Number of technical support to Districts by Zonal staff increase.</p>	<ul style="list-style-type: none"> ➤ Monitoring reports of the TC. ➤ Evaluation reports of trainings ➤ Evaluation reports of workshops ➤ Contents of comprehensive G/L 	Zonal Irrigation engineers/technicians and District irrigation technicians trained under the TC are continuously assigned to the same positions.
Activities 1-1. To conduct applicability tests of the Guidelines for Irrigation Scheme Formulation for DADP ("Formulation G/L"). 1-2. To carry out residential training on the revised Formulation G/L. 1-3. To develop draft Implementation Guidelines on irrigation scheme development ("Implementation G/L"). 1-4. To verify the draft Implementation G/L through assisting the target Districts with construction and/or rehabilitation of irrigation schemes in Morogoro and Kilimanjaro Irrigation Zones. 1-5. To develop the Comprehensive G/L by revising and consolidating the revised Formulation G/L and Implementation G/L. 2-1. To provide irrigation technicians/engineers in the target Districts and ZITSUs with training on the Comprehensive G/L. 2-2. To provide technical supports to District staff in the above four Irrigation Zones. 2-3. To send information on irrigation development from DITS to Districts and other stakeholders including the progress of the activities. 2-4. To hold sensitization seminars on the Comprehensive G/L for other Irrigation Zones. 2-5. To propose a dissemination plan of the Comprehensive G/L including training programmes and institutional arrangements for capacity building and technical supports for District irrigation technicians.	<p>Inputs Japanese Side</p> <p>1. Dispatch of Expert</p> <ul style="list-style-type: none"> ➤ Chief Advisor/ Irrigation Development ➤ Coordinator/ Training Planning ➤ Short-term Experts in the following areas may be dispatched upon necessity: <ul style="list-style-type: none"> -Civil engineering; -Water management -Participatory planning; -Engineering works; and -O&M <p>3. Provision of Equipments</p> <p>4. Training of the task members in Japan and/or in third countries</p> <p>5. Allocation of operational costs for the TC</p>	<p>Inputs Tanzanian side</p> <p>1. Assignment of task members</p> <p>2. Provision of working spaces and necessary facilities in DITS, ZITSUs, and target Districts</p> <p>3. Allocation of implementation costs for the TC including recurrent costs, DADG/DIDF</p>	<p>The TC is accepted by the authorities involved in the NIDSC</p> <p>Pre-condition</p> <ol style="list-style-type: none"> 1. Irrigation development is ranked a top priority in the agriculture policy in Tanzania. 2. Security conditions in the target areas are maintained.

ANNEX 3 ASSIGNMENT OF JAPANESE EXPARTS

Long Term experts

Name	Subject	Period	Company
Michihiko Sakaki	Chief Advisor/ Irrigation Development	1/2/2007-	Japan International Publishing Co., Ltd.
Taku Seo	Coordinator/ Training	15/5/2007-	Junior Expert, JICA

Short Term Experts (JPY 2006-2007)

Name	Subject	Period	From
Fumika Nakamura	Coordinator/ Training	28/2/2007-27/5/2007	N/A
Shigeru Nakada	Civil Engineering/ River Basin Management/ water Management	21/3/2007-16/6/2007	Taiyo Consultants Co., Ltd.
Akihiro Abe	O&M/ Farmers' Organization	28/3/2007-23/6/2007	Taiyo Consultants Co., Ltd.

Short Term Experts (JPY 2007-2008)

Ryosuke Sakanashi	Design/ Tender/ Construction Management	8/4/2007-4/7/2007	Taiyo Consultants Co., Ltd.
Yasushi Osato	Civil Engineering/ River Basin Management/ water Management	12/11/2007- 23/12/2007	Taiyo Consultants Co., Ltd.
Ryosuke Sakanashi	Design/ Tender/ Construction Management	8/12/2007-24/3/2008	Taiyo Consultants Co., Ltd.
Akihiro Abe	O&M/ Farmers' Organization	21/10/2007-17/2/2008	Taiyo Consultants Co., Ltd.

Short Term Experts (JPY 2008-2009)

Ryosuke Sakanashi	Design/ Tender	9/6/2008-6/9/2008	NTC International Co., Ltd
Ryosuke Sakanashi	O&M/ Farmers' Organization(1)	7/9/2008-30/9/2008	NTC International Co., Ltd
Kenichiro Kondo	O&M/ Farmers' Organization(2)	13/10/2008-16/1/2009	NTC International Co., Ltd
Isaburo Takemoto	Construction Management	13/10/2008-30/1/2009	NTC International Co., Ltd
Ryosuke Sakanashi	Irrigation Technology	7/1/2009-7/3/2009	NTC International Co., Ltd

ANNEX 4 LIST OF EQUIPMENTS

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
JPY2006-2007									
18-DS100	27/04/2007	Vehicle	Patrol	Nissan	40,793,750	Kilimo2	Kilimo2	Japan	Daily Activities
18-DS101	27/04/2007	Vehicle	Patrol	Nissan	40,793,750	Kilimo3	Kilimo2	Japan	Daily Activities
18-DS102	27/04/2007	Vehicle	Patrol	Nissan	40,793,750	Kilimo4	Kilimo2	Japan	Daily Activities
18-KL100	30/03/2007	Motorcycle	FT125	Suzuki	3,100,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	For Formulating DADP
18-MT100	30/03/2007	Motorcycle	FT125	Suzuki	3,100,000	Mtwara ZIU	Mtwara ZIU	Tanzania	For Formulating DADP
18-MG100	30/03/2007	Motorcycle	FT125	Suzuki	3,100,000	Morogoro ZIU	Morogoro ZIU	Tanzania	For Formulating DADP
18-MB100	30/03/2007	Motorcycle	FT125	Suzuki	3,100,000	Mbeya ZIU	Mbeya ZIU	Tanzania	For Formulating DADP
18-MB19	03/05/2007	Photocopier	SHARP	M351N	9,665,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL19	03/05/2007	Photocopier	SHARP	M351N	9,665,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT19	03/05/2007	Photocopier	SHARP	M351N	9,665,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS19	03/05/2007	Photocopier	SHARP	M351N	9,665,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG01	30/03/2007	Desktop Computer	Compaq DX7300MT	HP	1,054,300	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB01	30/03/2007	Desktop Computer	Compaq DX7300MT	HP	1,054,300	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL01	30/03/2007	Desktop Computer	Compaq DX7300MT	HP	1,054,300	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT01	30/03/2007	Desktop Computer	Compaq DX7300MT	HP	1,054,300	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG02	30/03/2007	Laptop Computer	HP 510	HP	1,279,200	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB02	30/03/2007	Laptop Computer	HP 510	HP	1,279,200	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL02	30/03/2007	Laptop Computer	HP 510	HP	1,279,200	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT02	30/03/2007	Laptop Computer	HP 510	HP	1,279,200	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG16	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG17	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Morogoro ZIU	Morogoro ZIU		Daily Activities, Supporting Related Activities for DADP
18-MB16	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB17	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Mbeya ZIU	Mbeya ZIU		Daily Activities, Supporting Related Activities for DADP
18-KL16	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL17	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Kilimanjaro ZIU	Kilimanjaro ZIU		Daily Activities, Supporting Related Activities for DADP
18-MT16	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT17	30/03/2007	Application Software	Office Professional	Microsoft	380,900	Mtwara ZIU	Mtwara ZIU		Daily Activities, Supporting Related Activities for DADP
18-MG03	30/03/2007	Laser Printer	HP1022n	HP	437,600	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
18-MB03	30/03/2007	Laser Printer	HP1022n	HP	437,600	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL03	30/03/2007	Laser Printer	HP1022n	HP	437,600	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT03	30/03/2007	Laser Printer	HP1022n	HP	437,600	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG04	30/03/2007	Inkjet Printer	HP1280	HP	339,300	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB04	30/03/2007	Inkjet Printer	HP1280	HP	339,300	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL04	30/03/2007	Inkjet Printer	HP1280	HP	339,300	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT04	30/03/2007	Inkjet Printer	HP1280	HP	339,300	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG05	30/03/2007	Portable Inkjet Printer	HP460cb	HP	431,600	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB05	30/03/2007	Portable Inkjet Printer	HP460cb	HP	431,600	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL05	30/03/2007	Portable Inkjet Printer	HP460cb	HP	431,600	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT05	30/03/2007	Portable Inkjet Printer	HP460cb	HP	431,600	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG06	30/03/2007	Scanner	HP5590c	HP	648,700	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB06	30/03/2007	Scanner	HP5590c	HP	648,700	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL06	30/03/2007	Scanner	HP5590c	HP	648,700	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT06	30/03/2007	Scanner	HP5590c	HP	648,700	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS05	30/03/2007	Digital Video Camera	DCR HC36	SONY	617,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG23	30/03/2007	Digital Camera	DSC W30	SONY	455,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB23	30/03/2007	Digital Camera	DSC W30	SONY	455,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL23	30/03/2007	Digital Camera	DSC W30	SONY	455,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT23	30/03/2007	Digital Camera	DSC W30	SONY	455,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS08	30/03/2007	Multimedia Projector	XR-10S	SHARP	1,430,000	Kilimo2	Kilimo2	Tanzania	For Workshop and Training
18-DS09	30/03/2007	Multimedia Projector	XR-10S	SHARP	1,430,000	Kilimo2	Kilimo2	Tanzania	For Workshop and Training
18-MG07	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG08	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB07	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB08	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
18-KL07	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL08	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT07	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT08	30/03/2007	Tranceiver	GP340	MOTOROLA	635,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS12	30/03/2007	GIS Software	ArcView	ESRI	2,301,250	Kilimo2	Kilimo2	Tanzania	To build up data base at DITS
18-DS15	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS16	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG12	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG13	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB12	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB13	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL12	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL13	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT12	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT13	30/03/2007	EC meter	waterproof EC Testr	Eutee Instruments	199,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG15	30/03/2007	Uninterrupted Power Supply(UPS)	APC 650VA	APC	117,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB15	30/03/2007	Uninterrupted Power Supply(UPS)	APC 650VA	APC	117,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL15	30/03/2007	Uninterrupted Power Supply(UPS)	APC 650VA	APC	117,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT15	30/03/2007	Uninterrupted Power Supply(UPS)	APC 650VA	APC	117,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS10	30/03/2007	GPS	Explorist 100	Magelan	317,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS11	30/03/2007	GPS	Explorist 100	Magelan	317,500	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG10	30/03/2007	GPS	Explorist 100	Magelan	317,500	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MG11	30/03/2007	GPS	Explorist 100	Magelan	317,500	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB10	30/03/2007	GPS	Explorist 100	Magelan	317,500	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MB11	30/03/2007	GPS	Explorist 100	Magelan	317,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-KL10	30/03/2007	GPS	Explorist 100	Magelan	317,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP

PA

[Handwritten signature]

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
18-KL11	30/03/2007	GPS	Explorist 100	Magelan	317,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT10	30/03/2007	GPS	Explorist 100	Magelan	317,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-MT11	30/03/2007	GPS	Explorist 100	Magelan	317,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS27	30/03/2007	Ranging Pole	2m		28,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS28	30/03/2007	Ranging Pole	2m		28,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS29	30/03/2007	Ranging Pole	2m		28,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS30	30/03/2007	Ranging Pole	2m		28,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS31	30/03/2007	Ranging Pole	2m		28,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS32	30/03/2007	Ranging Pole	2m		28,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS33	30/03/2007	Ranging Pole	2m		28,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS34	30/03/2007	Ranging Pole	2m		28,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS35	30/03/2007	Ranging Pole	2m		28,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS36	30/03/2007	Ranging Pole	2m		28,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS37	30/03/2007	Ranging Pole	2m		28,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS38	30/03/2007	Ranging Pole	2m		28,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS39	30/03/2007	Ranging Pole	2m		28,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS40	30/03/2007	Ranging Pole	2m		28,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS41	30/03/2007	Ranging Pole	2m		28,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS42	30/03/2007	Ranging Pole	2m		28,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS43	30/03/2007	Ranging Pole	2m		28,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS44	30/03/2007	Ranging Pole	2m		28,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS45	30/03/2007	Ranging Pole	2m		28,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS46	30/03/2007	Ranging Pole	2m		28,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS47	30/03/2007	Steel Tape Nylon Coated	100m		307,450	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS48	30/03/2007	Steel Tape Nylon Coated	100m		307,450	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
18-DS49	30/03/2007	Steel Tape Nylon Coated	100m		307,450	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS50	30/03/2007	Steel Tape Nylon Coated	100m		307,450	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS51	30/03/2007	Steel Tape Nylon Coated	50m		161,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS52	30/03/2007	Steel Tape Nylon Coated	50m		161,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS53	30/03/2007	Steel Tape Nylon Coated	50m		161,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS54	30/03/2007	Steel Tape Nylon Coated	50m		161,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS55	30/03/2007	Staff Aluminium	5m		199,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS56	30/03/2007	Staff Aluminium	5m		199,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS57	30/03/2007	Staff Aluminium	5m		199,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS58	30/03/2007	Staff Aluminium	5m		199,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS59	30/03/2007	Staff Aluminium	5m		199,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS60	30/03/2007	Staff Aluminium	5m		199,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS61	30/03/2007	Staff Aluminium	5m		199,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS62	30/03/2007	Staff Aluminium	5m		199,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS63	30/03/2007	Survey Umbrella	2m diameter		270,300	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS64	30/03/2007	Survey Umbrella	2m diameter		270,300	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS65	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS66	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS67	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS68	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS69	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS70	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS71	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS72	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS73	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
18-DS74	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS75	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS76	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS77	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS78	30/03/2007	Water Stream Gauge	StyleM Graduation		90,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS 79	30/03/2007	Digital Planimeter	KP-90N		1,180,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS 80	30/03/2007	Digital Planimeter	KP-90N		1,180,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS 81	30/03/2007	Digital Planimeter	KP-90N		1,180,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS82	30/03/2007	Automatic Level	Sokkia C-130	Sokkia	1,125,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS83	30/03/2007	Automatic Level	Sokkia C-130	Sokkia	1,125,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS84	30/03/2007	Tripod	Aluminum, For C-130		300,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS85	30/03/2007	Tripod	Aluminum, For C-130		300,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
18-DS86	30/03/2007	Laser Rangefinder	M138P-ULSE200	Laser Tech	1,486,310	Kilimo2	Kilimo2	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS87	30/03/2007	Digital Laser Rangefinder	M180ST0A6	Leica	1,303,780	Kilimo2	Kilimo2	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS88	30/03/2007	Tripod			274,000	Kilimo2	Kilimo2	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS89	30/03/2007	Release for Digital Laser Rangefinder	M180EL-5B	Murakami	9,800,000	Kilimo2	Kilimo2	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS90	30/03/2007	Sonar Sounder	SSM-5	Hondex	444,000	Kilimo2	Kilimo2	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS93	30/03/2007	pH/ Conductivity Tester	pH/Conductivity tester	Hanna Instruments	157,000	Kilimo2	Kilimo2	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS91	30/03/2007	pH Tester	SPH-5011/5011A	Custom	248,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS92	30/03/2007	pH Tester	SPH-5011/5011A	Custom	248,000	Kilimo2	Kilimo2	Japan	Daily Activities, Supporting Related Activities for DADP
18-DS94	30/03/2007	Electro Magnetic Current Meter	VE10/VET-200-10P	Kenek	6,390,000	Morogoro ZIU	Morogoro ZIU	Japan	Daily Activities, Supporting Related Activities for DADP
JPY2006-2007 Total (Tsh)					244,130,491				
JPY2007-2008									
19-DS11	10/10/2007	Desktop Computer	HP DS2300	HP	884,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS12	10/10/2007	CRT Monitor	HP 17"	HP	169,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS13	10/10/2007	Application Software	Professional	Microsoft	409,500	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS14	10/10/2007	Generator	CQ1000	Briggs	85,000	Kilimo2	Kilimo2	Tanzania	For Workshop and Training
19-DS15	10/10/2007	Generator	CQ1000	Briggs	85,000	Kilimo2	Kilimo2	Tanzania	For Workshop and Training

MR

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
19-DS16	16/11/2007	Plotter	HP500	HP	6,325,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS17	16/11/2007	Plotter	HP500	HP	6,325,000	Kilimo3	Kilimo3	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL00	10/01/2007	Electro Current Meter	VE 20	Kenek	8,669,440	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL01	10/01/2007	Soil Chart	Munsel	Munsel	406,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL02	11/01/2007	Soil Chart	Munsel	Munsel	406,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MT01	10/01/2007	Soil Chart	Munsel	Munsel	406,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MT02	11/01/2007	Soil Chart	Munsel	Munsel	406,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MB01	10/01/2007	Soil Chart	Munsel	Munsel	406,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MB02	11/01/2007	Soil Chart	Munsel	Munsel	406,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG01	10/01/2007	Soil Chart	Munsel	Munsel	406,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG02	11/01/2007	Soil Chart	Munsel	Munsel	406,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL03	10/01/2007	Auger			432,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MT03	10/01/2007	Auger			432,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MB03	10/01/2007	Auger			432,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG03	10/01/2007	Auger			432,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL04	10/01/2007	Cross Handle	for Auger		120,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MT04	10/01/2007	Cross Handle	for Auger		120,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MB04	10/01/2007	Cross Handle	for Auger		120,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG04	10/01/2007	Cross Handle	for Auger		120,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL05	10/01/2007	Extension	for Auger		202,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MT05	10/01/2007	Extension	for Auger		202,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MB05	10/01/2007	Extension	for Auger		202,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG05	10/01/2007	Extension	for Auger		202,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL09	19/02/2007	Digital Video Camera	DCR HC36	SONY	698,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MT06	19/02/2007	Digital Video Camera	DCR HC36	SONY	698,000	Mtwara ZIU	Mtwara ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
19-MB06	19/02/2007	Digital Video Camera	DCR HC36	SONY	698,000	Mbeya ZIU	Mbeya ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG09	19/02/2007	Digital Video Camera	DCR HC36	SONY	698,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL06	10/01/2007	Penetrometer	29-3729	ELE International	209,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG06	10/01/2007	Penetrometer	29-3730	ELE International	209,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL07	10/01/2007	Laser Rangefinder	1000XT	Opti-Logic	1,125,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG07	10/01/2007	Laser Rangefinder	1000XT	Opti-Logic	1,125,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL08	10/01/2007	Handheld Sounder	PS-7	Speedtech	459,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG08	10/01/2007	Handheld Sounder	PS-7	Speedtech	459,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL10	03/10/2007	Concrete Test Hammer	EL 35-1480	ELE International	1,550,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG10	03/10/2007	Concrete Test Hammer	EL 35-1480	ELE International	1,550,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL11	03/10/2007	motorcycle	FT125	Suzuki	3,000,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-KL12	03/10/2007	motorcycle	FT125	Suzuki	3,000,000	Monduli District	Monduli District	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG13	03/10/2007	motorcycle	FT125	Suzuki	3,000,000	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG14	03/10/2007	motorcycle	FT125	Suzuki	3,000,000	Morogoro Rural District	Morogoro Rural District	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-MG11	03/10/2007	photocopier	M350N	SHARP	9,515,583	Morogoro ZIU	Morogoro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS01	18/05/2007	Bulbar for the Vehicle			460,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS02	18/05/2007	Bulbar for the Vehicle			460,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS03	18/05/2007	Bulbar for the Vehicle			460,000	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS04	18/05/2007	Winch for the Vehicle		Nissan	1,827,540	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS05	18/05/2007	Winch for the Vehicle		Nissan	1,827,540	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP

MR

Serial Number	Delivered	Name	Type/ Model	Manufacturer	Price (Tsh.)	Used at	Stored at	Procured Japan/ Tanzania	Purposes
19-DS06	18/05/2007	Winch for the Vehicle		Nissan	1,827,540	Kilimo2	Kilimo2	Tanzania	Daily Activities, Supporting Related Activities for DADP
19-DS18	30/03/2008	Server	HP ML350 G5	HP	7,300,000	Kilimo2	Kilimo2	Tanzania	To build up data base at DITS
JPY2007-2008 Total (Tsh)					74,372,143				
JPY2008-2009									
20-DS01	01/02/2009	Total Station	SET520K	Sokkia	17,856,000	Kilimo2	Kilimo2	Tanzania	for Assisting Formulation and Implementation of DADP Irrigation Schema Development
Under Consideration	Under Consideration	Plotter	HP500	HP	6,325,000	Kilimanjaro ZIU	Kilimanjaro ZIU	Tanzania	Daily Activities, Supporting Related Activities for DADP
JPY2008-2009 Total (Tsh)					24,181,000				

hr

ANNEX 5 ACCEPTANCE OF TANZANIAN COUNTERPARTS PERSONNEL FOR TRAINING IN JA

JPY 2007-2008

Name	Period	Subject of Training and	Previous Position	Current Position
Eng. Imani Nzobonaliba	26/02/2007- 23/11/2007	Sustainable management of Irrigation and Drainage/ TBIC	Agro- Engineer II, Morogoro ZIU	Agro- Engineer II, Morogoro ZIU
Eng. Gabriel Kalinga	01/09/2007- 15/09/2007	Irrigation Policy/ TBIC	Assistant Director of DITS	Assistant Director of DITS
Mr. Ronald Komanga	01/09/2007- 15/09/2007	Irrigation Policy/ TBIC	Sociologist, DITS	Sociologist, DITS
Eng. January Kayumbe	20/01/2008- 19/04/2008	It System Techniques for Agriculture/ Obihiro International Centre	Data&Information Specialist, DITS	Data&Information Specialist, DITS
Eng. Kessy Maeda	11/02/2008- 17/11/2008	Irrigation and Drainage for Rural Development	Civil Engineer II, Kilimanjaro ZIU	Civil Engineer II, Kilimanjaro ZIU

JPY 2008-2009

Name	Period	Subject of Training and	Previous Position	Current Position
Eng. Fredrick Magusi	24/06/2008- 22/11/2008	Sustainable management of Irrigation and Drainage/ TBIC	Agro- Engineer II, Mwanza ZIU	Agro- Engineer II, Mwanza ZIU
Eng. Severine A. Mkaenda	24/6/2008- 22/11/2008	Sustainable management of Irrigation and Drainage	Civil Engineer II, Mbeya ZIU	Civil Engineer II, Mbeya ZIU
Eng. Juma H. Mndeme	8/7/2008- 16/11/2008	Irrigation Water Resources in Arid & Semi-arid Region and EIA Sustainable Development	Civil Engineer II, Mtwara ZIU	Civil Engineer II, Mtwara ZIU
Mr. Gregory G. Chigwiye	9/2/2009- 30/10/2009	Irrigation and Drainage for Rural Development	Civil Engineer II, Central ZIU	Civil Engineer II, Central ZIU

R

[Signature]

ANNEX 6 LOCAL COST ALLOCATED BY JAPANESE

JPY 2006-2007 (Tsh)	
Air Fare	958,000
Travel Expences (Except Air Fare)	1,482,700
General Expences	20,085,420
Total	22,526,120

JPY 2007-2008 (Tshs)	
Air Fare	1,645,000
Travel Expences (Except Air Fare)	61,705,700
Reward, Salary	13,554,400
Meeting Cost	5,724,690
General Expences	127,844,770
Total	210,474,560

JPY 2008-2009(up to December) (Tshs)	
Air Fare	299,000
Travel Expences (Except Air Fare)	83,912,400
Contract (NPO)	3,190,000
Reward, Salary	13,585,100
Meeting Cost	4,710,830
General Expences	40,594,330
Total	146,291,660

FY2006-2008 Total	233,000,680
--------------------------	--------------------

NR

36

ANNEX 7 ASSIGNMENT OF TANZANIAN COUNTERPART PERSONNEL

Name	Designation	Speciality	Assigned Period	Expert who is working with	Remarks
Eng. Mbogo Futakamba	DITS, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. Ally Simba	DITS, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Hamis Medadi	DITS, MOWI	Crop	2.2007-	Taku Seo	
Eng A. Ruhangisa	ZIU Morogoro, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. S. Kamugisha	ZIU Morogoro, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. J. Omari	ZIU Kilimanjaro, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. Kulwa	ZIU Kilimanjaro, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. Kweka	ZIU Mbeya, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. Kimaro	ZIU Mbeya, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. Chikoleka	ZIU Mtwara, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Eng. Makaka	ZIU Mtwara, MOWI	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Libuhi	ZIU Mtwara, MOWI	Crop	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Lema	Monduri District, Arusha Region	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Huba	Monduri District, Arusha Region	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Kwayu	Monduri District, Arusha Region	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Pyumpa	Morogoro Rural District, Coast region	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Omari	Morogoro Rural District, Coast region	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Solomon	Mvomero District, Coast Region	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	
Mr. Shimba	Mvomero District, Coast Region	Irrigation	2.2007-	Michihiko Sakaki and All Short Term Experts	

12

ANNEX 8 LOCAL COST ALLOCATED BY TANZANIA SIDE

FY2007

	Month	Amount (Tsh.)
1st Workshop on Formulation GL	Jun	6,000,000
Formulation GL Training (Under Mbeya, Mtwara ZIU)	Nov	34,792,750
2nd Workshop on Implementation GL	Feb	6,805,000
	Total	47,597,750

FY2008

	Month	Amount(Tsh.)
Training on Implementation GL: Planning&Design (Kilimanjaro Zone)	Sep	3,234,000
Training on Implementation GL: Planning&Design (Morogoro Zone)	Oct	2,977,000
Training on Implementation GL: Planning&Design (Mbeya Zone)	Oct	5,554,000
Training on Implementation GL: Planning&Design (Mtwara Zone)	Oct	3,975,000
Training on Implementation GL: Tender&Contract (Mbeya, Morogoro, Mtwara, Kilimanjaro Zone)	Nov	13,776,000
Workshop on O&M Guidelines	Dec	2,700,000
3rd Workshop on Implementation GL	Jan	1,600,000
Implementation GL Verification Work (Morogoro)	Mar	300,000,000
Implementation GL Verification Work (Kilimanjaro)	Mar	266,000,000
	Total	599,816,000
FY 2006-2008 Total		647,413,750

Handwritten mark

Handwritten signature

ANNEX 9 LIST OF TRAININGS AND WORKSHOPS

Year	Title (Topics)	Date	Period	Participants	Target	Remarks
2007	Workshop on Formulation Guidelines	6/7-8	2days	40	DITS, ZIU, PMO-RALG, MOWI	
2007	Formulation GL Training for Trainers	10/16-17	2days	30	Trainers for Trainings on Formulation GL	
2007	Formulation GL Training	11/5-9	5days	44	DALDO, SMS Crop, SMS Irrigation Under Mbeya, Mtwara ZIU	
2007	Formulation GL Training	11/12-16	5days	39	DALDO, SMS Crop, SMS Irrigation Under Mbeya, Mtwara ZIU	
2007	Formulation GL Training	12/3-7	5days	40	DALDO, SMS Crop, SMS Irrigation Under Kilimanjaro ZIU	
2007	Formulation GL Training	12/10-14	5days	36	DALDO, SMS Crop, SMS Irrigation Under Morogoro ZIU	
2007	Workshop on Implementation Guidelines (1)	12/18-28	2days	40	DITS, ZIU, PMO-RALG, MOWI	
2007	Workshop on Implementation Guidelines (2)	2/7-8	2days	40	DITS, ZIU, PMO-RALG, MOWI	
2008	Implementation GL Training for Trainers	7/3	1day	15	Trainers for Trainings on Implementation GL	
2008	Implementation GL Planning & Design Training	9/22-26	4days	25	SMS Irrigation Under Kilimanjaro ZIU	
2008	Implementation GL Planning & Design Training	10/6-9	4days	22	SMS Irrigation Under Morogoro ZIU	
2008	Implementation GL Planning & Design Training	10/26-29	4days	36	SMS Irrigation Under Mbeya, Mtwara ZIU	
2008	Tender&Contract Training	11/18-20	3days	70	SMS under Mbeya, Mtwara, Kilimanjaro, Morogoro	
2008	Workshop on O&M Guidelines	12/16-17	2days	36	DITS, ZIU, PMO-RALG, MOWI	
2008	Workshop on Implementation Guidelines (3)	1/14-15	2days	40	DITS, ZIU, PMO-RALG, MOWI	
2008	Construction Management Training	March	4days	37	SMS Irrigation Under Kilimanjaro, Mtwara ZIU	Planned
2008	Construction Management Training	March	4days	35	SMS Irrigation Under Morogoro, Mbeya ZIU	Planned

APPENDIX 2: Logical Framework (as of February, 2009)

Logical Framework

Title: Technical Cooperation for Formulation and Training of the DADP Guidelines on Irrigation Scheme Development

Target Area: Morogoro, Kilimanjaro, Mbeya, and Mtwaru Irrigation Zones Target Groups: Zonal/District staff in the four Irrigation Zones

Period: February, 2007 to January, 2010 (3.0 years)

ver. 2 as of February, 2009

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions (Externalities)
Super Goals The TC contributes to the ASDP Objectives of improving and expanding irrigated agriculture.	Irrigation areas developed, rehabilitated, and maintained in accordance with the Comprehensive G/L.	<ul style="list-style-type: none"> ➤ ASLM's M&E Reports on DADPs ➤ DITS's reports 	
Overall Goals Irrigation scheme development under DADPs is improved and promoted.	Irrigation areas are expanded at least 10,000 ha per year in line with the Comprehensive G/L	<ul style="list-style-type: none"> ➤ DITS's reports 	
Purpose Capacities of the target Districts and Zonal Irrigation Technical Service Units for planning, implementation and O&M of irrigation schemes are enhanced.	<ul style="list-style-type: none"> ➤ More than 80 % of the target groups use the guidelines to improve irrigation development. ➤ At least two persons per each zone are qualified as trainers of the guidelines. 	<ul style="list-style-type: none"> ➤ DITS's reports ➤ Monitoring reports of the TC. 	Comprehensive G/L is disseminated to other irrigation zones based on the dissemination plan under the initiative of DITS. Budget for irrigation development at District level increase.
Outputs 1. Practical technical guidelines on planning, implementation of irrigation scheme development, and O&M under DADPs ("Comprehensive G/L") are developed with stakeholders. 2. Technical support systems for irrigation technicians at district level are strengthened.	<p>1-1. At least six times of meeting are held for presenting and discussing draft/concepts of the Guidelines to stakeholders</p> <p>1-2. More than 80 % of the target group considers guidelines useful.</p> <p>2-1. Technical services that Zonal irrigation staff provides are clarified.</p> <p>2-2. Number of technical support to Districts by Zonal staff increase.</p>	<ul style="list-style-type: none"> ➤ Monitoring reports of the TC. ➤ Evaluation reports of trainings ➤ Evaluation reports of workshops ➤ Contents of comprehensive G/L 	Zonal irrigation engineers/technicians and District irrigation technicians trained under the TC are continuously assigned to the same positions.
Activities 1-1. To conduct applicability tests of the Guidelines for Irrigation Scheme Formulation for DADP ("Formulation G/L"). 1-2. To carry out residential training on the revised Formulation G/L. 1-3. To develop draft Implementation Guidelines on irrigation scheme development ("Implementation G/L"). 1-4. To verify the draft Implementation G/L through assisting the target Districts with construction and/or rehabilitation of irrigation schemes in Morogoro and Kilimanjaro Irrigation Zones. 1-5. To develop the Comprehensive G/L by revising and consolidating the revised Formulation G/L and Implementation G/L. 2-1. To provide irrigation technicians/engineers in the target Districts and ZITSUs with training on the Comprehensive G/L. 2-2. To provide technical supports to District staff in the above four Irrigation Zones. 2-3. To send information on irrigation development from DITS to Districts and other stakeholders including the progress of the activities. 2-4. To hold sensitization seminars on the Comprehensive G/L for other Irrigation Zones. 2-5. To propose a dissemination plan of the Comprehensive G/L including training programmes and institutional arrangements for capacity building and technical supports for District irrigation technicians.	<p>Inputs Japanese Side</p> <p>1. Dispatch of Expert</p> <ul style="list-style-type: none"> ➤ Chief Advisor/ Irrigation Development ➤ Coordinator/ Training Planning ➤ Short-term Experts in the following areas may be dispatched upon necessity: <ul style="list-style-type: none"> -Civil engineering; -Water management -Participatory planning; -Engineering works; and -O&M <p>3. Provision of Equipments 4. Training of the task members in Japan and/or in third countries 5. Allocation of operational costs for the TC</p>	<p>Inputs Tanzanian side</p> <p>1. Assignment of task members 2. Provision of working spaces and necessary facilities in DITS, ZITSUs, and target Districts 3. Allocation of implementation costs for the TC including recurrent costs, DADG/DIDF</p>	<p>The TC is accepted by the authorities involved in the NIDSC.</p> <p>Pre-condition</p> <p>1. Irrigation development is ranked a top priority in the agriculture policy in Tanzania. 2. Security conditions in the target areas are maintained.</p>

