

付 属 資 料

1. 調査日程
2. 主要面談者一覧
3. PDM 和文案（R/D 署名時）
4. 事前調査ミニッツ
5. 実施協議議事録
6. 実施協議ミニッツ

調査日程

2006年9月4日(月)～9月15日(金)

日数	月日	内容			
		総括、協力計画、評価分析	灌漑農業	普及システム	農業セクタープログラム
	9/3 (日)			移動(→キリマンジャロ)	
1	9/4 (月)	移動(羽田→)		現地踏査(ローアモシ地域現況調査)	
2	9/5 (火)	移動(→ダルエスサラーム) 在タンザニア日本国大使館表敬 JICA タンザニア事務所打合せ(調査方針説明、意見交換)		移動(→ダルエスサラーム) 調査団合流	調査団合流
3	9/6 (水)	MAFC 表敬 MAFC 関係者との意見交換会(プロジェクトの枠組み、ASDP 進捗、各 MATI の活動等)			
4	9/7 (木)	移動(ダルエスサラーム→モロゴロ) 現地踏査(ARI-KATRIN の現況確認)	移動(ダルエスサラーム→ムベヤ)		
5	9/8 (金)	現地踏査(MATI-Ilonga、ARI-Ilonga 現況確認、近隣灌漑スキーム現況確認)	現地踏査(MATI-Igurisi、MATI-Uyole 現況確認)		
6	9/9 (土)	現地踏査(近隣灌漑スキーム現況確認) 移動(→ダルエスサラーム)	現地踏査(ARI-Uyole 現況確認、近隣灌漑スキーム現況確認)		
7	9/10 (日)	データ整理	移動(ムベヤ→ダルエスサラーム)		
8	9/11 (月)	現地踏査(近隣灌漑スキーム現況確認) 団内打合せ(プロジェクト計画案修正、M/M 案作成)			
9	9/12 (火)	第1回 M/M 協議			
10	9/13 (水)	第2回 M/M 協議			
11	9/14 (木)	M/M 署名 在タンザニア日本国大使館報告 JICA タンザニア事務所報告 移動(ダルエスサラーム→)		移動(ダルエスサラーム→)	
12	9/15 (金)	移動(→日本)			

■案件名称：灌漑農業技術普及支援体制強化計画
 ■責任監督機関：農業・食糧安全保障・協同組合省 研究・研修局 (DRT、MAFC)
 ■協力機関：農業研究機関 (ARI)、灌漑ゾーン事務所、県関係者
 ■ターゲットグループ：小規模農家 (約15,000)
 ■実施期間：2007年～2012年 (5年間)
 ■実施機関：KATC及び農業研修所 (イグルシ、イロンガ、ウキリグル)
 ■対象地域：タンザニア国内40カ所の灌漑地区
 ■作成日：2006年9月14日

Version 0		外部条件	
プロジェクト要約		入手手段	
上位目標	指標	前提条件	
1. 灌漑農業の質的向上と面的拡大という ASDP の目標に貢献する。 2. 貧困稲作農家の生計が向上する。	貧困稲作農家の所得の増加	・ ASDP/DADP 報告書	
プロジェクト目標 灌漑農業サービス支援体制の強化を通じて、灌漑地区の稲作の生産性が向上する。	1. 対象灌漑地区の稲作の単位当たり収量の増加 2. 対象灌漑地区の稲作生産面積の増加	・ MATI/ARI 年次報告書 ・ プロジェクト・モニタリング報告書 ・ 営農調査	
成果 1. 農民間普及を通じて、灌漑地区における稲作技術が改善する。 2. 稲作の生産性向上に向けて、研究・研修・普及機関の連携が強化される。	1-1. 普及員の稲作栽培技術に係る理解度 1-2. 対象灌漑地区における農民の稲作栽培技術の活用数 1-3. DADP 予算による県の研修実施数 2-1. 各種会合、技術セミナー開催数 2-2. 農家圃場における稲品種試験数	・ MATI/ARI 年次報告書 ・ プロジェクト・モニタリング報告書 ・ 研修参加者報告 ・ 営農調査	
活動 0. 関係者との協議を通じて対象灌漑地区を特定する。 1-1. 関係者を対象としたワークショップを開催する。 1-2. 灌漑稲作に係る集約研修及び現地研修を実施する。 1-3. モニタリング、評価を実施する。 2-1. 研究・研修・普及機関の定期会合を支援する。 2-2. NERICA を含む稲品種選定のための農家圃場試験を実施する。 2-3. 稲栽培技術に係る指針を作成する。	投入 (日本国側) 1. 専門家 (長期及び短期) 長期専門家及び短期専門家の担当分野は次を計画 (チーフアドバイザー、栽培/営農、灌漑、業務調整/農民研修。陸稲、ジェンダー/生計向上、情報管理、ポストハーベスト処理加工/マーケティングその他個別技術分野) 2. 在外事業強化経費 (技術プロジェクト実施に必要な費用等) 3. 活動に必要な機材 4. 本邦あるいは第3国研修 (タンザニア国側) 1. C/P 及び事務要員の配置 2. ローカルコスト (技術プロジェクト実施に必要な費用、例：C/P の給与や研修に必要な経費等) 3. 専門家の執務スペース及び必要な備品 4. 受益農家の自発的協力	・ 研修に係る件の予算が大幅に減少しない。 前提条件 ・ MAFC において研究、研修、普及機関の連携強化の必要性が認識される。 ・ 対象地域での安全が保たれる。	

**MINUTES OF MEETINGS
OF
TECHNICAL COOPERATION
FOR
SUPPORTING SERVICE DELIVERY SYSTEMS OF IRRIGATED AGRICULTURE
UNDER
THE AGRICULTURAL SECTOR DEVELOPMENT PROGRAMME (ASDP)
IN
THE UNITED REPUBLIC OF TANZANIA AGREED UPON
BETWEEN
THE MINISTRY OF AGRICULTURE, FOOD SECURITY AND COOPERATIVES
AND
JAPAN INTERNATIONAL COOPERATION AGENCY**

In response to a request from the Government of the United Republic of Tanzania (hereinafter referred to as "GoT"), the Preparatory Study Team (hereinafter referred to as "the Team") headed by Dr. NISHIMAKI Ryuzo was sent to the United Republic of Tanzania by the Japan International Cooperation Agency (hereinafter referred to as "JICA") from 5 September to 14 September, 2006.

The Team held a series of discussions in relation to the scope of "Technical Cooperation for Supporting Service Delivery Systems of Irrigated Agriculture" (hereinafter referred to as "the TC") with representatives of the Ministry of Agriculture, Food Security and Cooperatives (MAFC) and other relevant organizations. As a result of the discussion, both sides reached common understanding concerning the matters in the documents attached hereto.

Dar es Salaam, 14 September, 2006



Dr. NISHIMAKI Ryuzo
Team Leader,
Preparatory Study Team
Japan International Cooperation Agency



Mr. Peniel M. Lyimo
Permanent Secretary,
Ministry of Agriculture, Food Security and
Cooperatives

THE ATTACHED DOCUMENT

I. ACRONYMS AND ABBREVIATION

ASFT	Agricultural Services Facilitation Team
ASDP	Agricultural Sector Development Programme
ATI	Agricultural Training Institute
DADP	District Agricultural Development Plan
DALDO	District Agricultural and Livestock Development Officer
DCD	Department of Crop Development, MAFC
DITS	Department of Irrigation and Technical Services, MAFC
DED	District Executive Director
DPP	Department of Policy and Planning, MAFC
DRT	Department of Research and Training, MAFC
FTC	Farmer Training Centre
GoT	the Government of the United Republic of Tanzania
JCC	Joint Coordinating Committee
JICA	Japan International Cooperation Agency
KATC	Kilimanjaro Agricultural Training Centre
KATC II	Kilimanjaro Agricultural Training Centre Phase II project
KATRIN	Kilombero Agricultural Training and Research Institute
MAFC	Ministry of Agriculture, Food Security and Cooperatives
M/M	Minutes of Meeting
NERICA	New Rice for Africa
NGO	Non-Governmental Organization
PMO-RALG	Prime Minister's Office, Regional Administration and Local Government
PO	Plan of Operation
R/D	Record of Discussion
TC	Technical Cooperation
ZIELO	Zonal Information and Extension Liaison Officer
ZITSU	Zonal Irrigation & Technical Services Unit

II. RESULTS OF DISCUSSIONS

1. Title of the TC

Both sides agreed the title of the TC to be "Supporting Service Delivery Systems of Irrigated Agriculture."

2. Framework of the TC

The TC will be implemented as streamlined activities within the DRT normal operations under the ASDP.

Both sides agreed that the framework of the TC will be given as the Tentative Narrative Summary of the TC (Annex I), the Tentative Logical Framework (Annex II) and the Tentative Plan of Operation (PO) (Annex III). The framework of the TC will be confirmed when the Record of Discussions (R/D) is signed.

3. Target area for the TC

Both sides agreed that the number of irrigation schemes will be at least forty (40). The priority schemes will be decided, by referring to those identified in the KATC II, through a dialogue between Tanzanian and Japanese sides.

4. Duration of the TC

Both sides agreed that the TC period will be five (5) years, which starts at the day of arrival of the Japanese Experts.

5. Equipment and Facilities

The Tanzanian side agreed to provide the Japanese Experts with suitable office space and furniture in Department of Research and Training (DRT), ATI-KATC, ATI-Ilonga, ATI-Igurusi and ATI-Ukiriguru and access to use telephone services (Annex IV).

6. Responsible Organizations and Personnel

Both sides confirmed that DRT is responsible for coordinating and implementing the TC with the assistance by the Japanese Experts and JICA. Expected task members' organizations and personnel are proposed as Annex VI.

7. Joint Coordinating Committee

For smooth and effective implementation of the TC, both sides agreed to establish the Joint Coordinating Committee (JCC) chaired by the Permanent Secretary of MAFC in the course of the TC. Functions and expected participants

of the JCC are proposed as Annex VII.

8. Steering Committee

For smooth and effective implementation of the TC, both sides agreed to establish a Steering Committee chaired by the Director of Research and Training (DRT) in the course of the TC. Functions and expected participants of the committee are proposed as Annex VIII.

III. JUSTIFICATION OF THE TC

The Team and Tanzanian side assessed the proposed TC with five criteria (i.e., Relevance, Effectiveness, Efficiency, Impacts, and Sustainability). The following describe them briefly:

(1) Relevance:

The TC addresses issues that are within the Tanzanian's policies, the farmers' needs and JICA's development strategies to Tanzania.

(2) Sustainability:

The TC activities are considered to continue and produce intended outputs for a long time even after its termination, based on the commitments of the Tanzanian government towards the TC, current institutional capacities of ATIs, and foreseeable government supports continuously in future, etc.

(3) Effectiveness:

The TC is considered to achieve its purposes effectively when implemented since (i) The TC plan has been logically prepared, (ii) Establishment of effective delivery system on service providers is assured, (iii) Levels of the TC goals are reasonable, and (iv) No serious assumption is foreseen, etc.

(4) Efficiency:

The efficiency will be assessed after all the inputs are clarified.

(5) Impact:

The TC is foreseen to have certain positive impact on long term and no serious negative impact.

Therefore, it is recommended that the TC be implemented in accordance with the framework as mentioned above.

IV. MEASURES TO BE TAKEN BY BOTH GOVERNMENTS

1. Measures to be taken by Tanzanian side

- 1-1. Provision of buildings and facilities of DRT, ATI-KATC, ATI-Ilonga, ATI-Igurusi and ATI-Ukiriguru, necessary for the implementation of the TC
 - 1-2. Nomination of the task members from DRT, ATI-KATC, ATI-Igurusi, ATI-Ilonga, ATI-Ukiriguru, KATRIN and other Research institutes with clear mandates for the TC
 - 1-3. Agreed budget ceilings for the TC activities should be reflected in the Medium Term Expenditure Framework of the DRT, MAFC
2. Measures to be taken by Japanese side
- 2-1. Dispatch of Japanese Experts (Annex V)
 - 2-2. Provision of machinery and equipment (Annex V)
 - 2-3. Training of task members in Japan and/or in third countries
 - 2-4. Share the cost with Tanzanian side to implement the TC on issues to be mutually agreed

V. PREPARATION OF THE DOCUMENT OF THE TC

JICA will prepare the document of the TC jointly with the authorities concerned of the GoT for the following purposes.

(1) Sharing information

The document is used to share detailed information including the problems to be solved, its strategies and goals, among the people concerned of the TC, such as JICA, the authorities of GoT, Japanese experts, task Members and other related personnel.

(2) Analyzing the TC strategies

The document describes the methodology to maximize impact of the TC and measures to maintain the TC activities after the end of cooperation.

(3) Verifying relevance of the TC

The document shows the impact that the TC is expected to create and logically derive the relevance of the TC.

(4) Strengthening publicity of the TC

After both sides approve the document, it will be disclosed to the public. The aim of the document disclosure to the public is to announce and gain people's understanding of the TC.

The document will be finalized when the R/D is signed. Its outline is shown in Annex IX.

ANNEXES

- I TENTATIVE NARRATIVE SUMMARY OF THE TC
- II TENTATIVE LOGICAL FRAMEWORK
- III TENTATIVE PLAN OF OPERATION
- IV LIST OF BUILDINGS AND FACILITIES
- V LIST OF JAPANESE EXPERTS, MACHINERY AND EQUIPMENT
- VI LIST OF TANZANIAN TASK MEMBERS AND ORGANIZATIONS CONCERNED
- VII JOINT COORDINATING COMMITTEE
- VIII STEERING COMMITTEE
- IX OUTLINE OF DOCUMENT OF TC

ANNEX I: TENTATIVE NARRATIVE SUMMARY OF THE TC

1. Overall Goals

- (1) The TC contributes to ASDP objectives of improving and expanding irrigated agriculture.
- (2) Profitability and incomes of smallholder rice farmers are increased.

2. Purpose of the TC

Productivity of rice cultivation in the irrigation schemes is increased through strengthening service delivery systems of irrigated agriculture.

3. Outputs of the TC

- (1) Rice cultivation practices are improved in the irrigation schemes through the Farmer-to-Farmer extension approach.
- (2) Cooperative links among Research, Training and Extension Institutes are strengthened for improving rice productivity.

4. Activities of the TC

- (0) To identify priority irrigation schemes through dialogue with the stakeholders.
- (1-1) To conduct workshops for the stakeholders.
- (1-2) To conduct residential training and field training.
- (1-3) To conduct monitoring and evaluation.
- (2-1) To facilitate periodical meetings among research, training and extension institutes.
- (2-2) To conduct on-farm trials for rice varieties including NERICA.
- (2-3) To prepare basic guidelines on rice cultivation technologies.

Note: In cases where the Narrative Summary is to be modified due to changes in the conditions of the TC, both sides should confirm the modifications in the form of the Minutes of Meeting.



ANNEX II TENTATIVE LOGICAL FRAMEWORK

Title: The Technical Cooperation for Supporting Service Delivery Systems of Irrigated Agriculture Prepared: 14 September, 2006 Version 0
 Target Area: Forty(40) irrigation schemes in Tanzania Target Groups: Smallholder rice farmers (15,000 farmers) Responsible agency: DRT, MAFC
 Implementing Agencies: KATC and other ATIs (Igurusi, Ilonga, Ukiriguru) Collaborating Agencies: ARIs, ZITSUs and Districts. Duration: 2007 to 2012 (5 years)

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
<p>Overall Goals</p> <ol style="list-style-type: none"> The TC contributes to ASDP objectives of improving and expanding irrigated agriculture. Profitability and incomes of smallholder rice farmers are increased. 	<p>Increase of incomes among benefiting farmers.</p>	<p>ASDP/DADP Reports</p>	
<p>Purpose</p> <p>Productivity of rice cultivation in the irrigation schemes is increased through strengthening service delivery systems of irrigated agriculture.</p>	<ol style="list-style-type: none"> Increased rice yield per unit area in the irrigation schemes. Increased areas under rice production in the irrigation schemes. 	<p>ATIs & ARIs Annual Report Monitoring Reports of the TC Farming Survey Report</p>	<p>Rice price is stable. Inputs for farming are available and affordable.</p>
<p>Outputs</p> <ol style="list-style-type: none"> Rice cultivation practices are improved in the irrigation schemes through the Farmer-to-Farmer extension approach. Cooperative links among Research, Training and Extension Institutes are strengthened for improving rice productivity. 	<ol style="list-style-type: none"> Degree of understanding of extension officers on rice cultivation technology. Number of rice cultivation technology adopted by the farmers in the irrigation schemes. Number of the training implementation under DADPs. Number of meetings and technical seminars among the stakeholders. Number of on-farm trials for rice varieties. 	<p>ATIs & ARIs Annual Report Monitoring Reports of the TC Ex-participants' Report Farming Survey Report</p>	<p>A serious drought does not occur.</p>
<p>Activities</p> <ol style="list-style-type: none"> To identify priority irrigation schemes through dialogue with the stakeholders. To conduct workshops for the stakeholders. To conduct residential training and field training. To conduct monitoring and evaluation. To facilitate periodical meetings among research, training and extension institutes. To conduct on-farm trials for rice varieties including NERICA. To prepare basic guidelines on rice cultivation technologies. 	<p>Inputs Japanese side</p> <ol style="list-style-type: none"> Dispatch of experts (Long-term and Short-term) (Experts in the following areas will be dispatched upon necessity: Chief Advisor, Rice Cultivation/Farm Management, Irrigation and Coordinator/Farmers training, Upland Rice Cultivation, Post-harvest Processing and Marketing etc.). Allocation of operational costs for the TC. Provision of machinery and equipment. Training of task members. 	<p>Inputs Tanzanian side</p> <ol style="list-style-type: none"> Assignment of task members and administrative personnel. Allocation of implementation costs for the TC such as salaries of task members and necessary expenses for training (DADP funds). Provision of working spaces and necessary facilities for Japanese experts. Contribution from the irrigation schemes for on-farm activities. 	<p>Budget for capacity building at district level does not substantially decrease.</p> <p>Pre-condition MAFC recognizes the necessity of cooperation among research, training and extension institutes.</p> <p>Security conditions in the target areas are maintained.</p>

ANNEX IV: LIST OF BUILDINGS AND FACILITIES

1. Land, buildings and facilities necessary for implementation of the TC
2. Rooms and space necessary for installation and storage of equipment
3. Office space and necessary facilities for the Japanese Experts and the related staff members
4. Other facilities mutually agreed upon as necessary



ANNEX V: LIST OF JAPANESE EXPERTS, MACHINERY AND EQUIPMENT

<Long-term Experts >

- Chief Advisor
- Rice Cultivation/Farm Management
- Irrigation
- Coordinator/Farmers Training

<Short-term Experts >

Short-term experts will be dispatched in those areas below as necessary.

- Upland Rice Cultivation
- Gender and Livelihood Improvement
- Information Management
- Post-harvest Processing and Marketing
- Other Subject Matter Experts as necessary

<Machinery and Equipment >

1. Vehicles
2. Office equipment
3. Other equipment to support activities of the TC

ANNEX VI: LIST OF TANZANIAN TASK MEMBERS AND ORGANIZATIONS CONCERNED

1. Head of the TC: Permanent Secretary of MAFC
2. Assistant Head of the TC: Director of Research and Training
3. Leader of the Task: Assistant Director of Research and Training (Training)
4. Assistant Leader of the Task: Principal of KATC
5. Task Members:
GoT will provide necessary personnel to ensure the smooth operation of the TC as follows.
 - (1) Members of ATI-KATC, ATI-Igurusi, ATI-Ilonga and ATI-Ukiriguru
 - (2) Members of Rice Research Programme
(Suitably qualified personnel shall be assigned continuously to work with Japanese experts as specified in ANNEX V.)
6. Other personnel mutually agreed upon as necessary

ANNEX VII: JOINT COORDINATING COMMITTEE

The JCC will be held once a year and whenever the necessity arises.

1. Functions

- (1) To approve the Annual Work Plan of the TC
- (2) To review the overall progress and annual expenditure of the TC
- (3) To review and exchange views on major issues arising from or in connection with the TC

2. Chairperson: Permanent Secretary of MAFC

3. Secretary: Director of Research and Training

4. Members

(1) Tanzanian side:

1) MAFC representatives

- Assistant Director of Research and Training (Training)
- Representatives of DPP, DRT, DITS, DCD, concerned zonal research institutes and ZITSU
- Representatives of ATI-KATC, ATI-Igurusi, ATI-Ilonga and ATI-Ukiriguru

2) Other Ministries

- Representatives of Ministry of Finance
- Representatives of Ministry of Water
- Representatives of Ministry of Natural Resources and Tourism
- Representatives of PMO-RALG

(2) Japanese side:

- i) Experts of the TC
- ii) Resident Representative of the JICA Tanzania Office
- iii) Personnel concerned to be dispatched by JICA, if necessary

Notes:

- 1) Officials of the Embassy of Japan may attend the JCC meetings as observers.
- 2) Persons who are invited by the Chairperson may attend the JCC meeting.

ANNEX VIII: STEERING COMMITTEE

The Steering Committee will be held regularly and whenever the necessity arises.

1. Functions

- (1) To develop and improve detailed TC activities**
- (2) To monitor, coordinate and evaluate TC activities**
- (3) To summarize the proceedings of TC activities and report it to Joint Coordination Committee**

2. Chairperson: Assistant Director of Research and Training

3. Co-chairperson: Chief Advisor

4. Members

(1) Tanzanian side:

- i) Principals of ATI-KATC, ATI-Igurusi, ATI-Ilonga and ATI-Ukiriguru**
- ii) Heads of Departments of ATI-KATC, ATI-Igurusi, ATI-Ilonga and ATI-Ukiriguru**
- iii) Representatives of Rice Research programme**

(2) Japanese side:

Experts of the TC

Note: Persons who are invited by the Chairperson may attend the Steering Committee meeting.

ANNEX IX OUTLINE OF THE DOCUMENT OF TC

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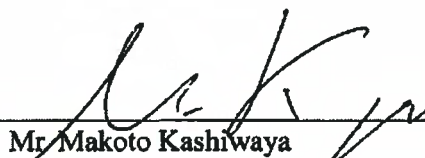
Chapter 1	Introduction
Chapter 2	Background of the TC
2-1	General Situations of the Country
2-2	Current Situations of the Agricultural Sector
2-3	Policies and Strategies of the Agricultural Sector
2-4	Prior and On-going TC
Chapter 3	Institutional Framework and Problems of Service Delivery Systems of Irrigated Agriculture
3-1	Institutional Framework
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Chapter 4	Strategies of the TC
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6-1	Relevance
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6-5	Sustainability
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**RECORD OF DISCUSSIONS
BETWEEN
JAPAN INTERNATIONAL COOPERATION AGENCY AND
AUTHORITIES CONCERNED OF THE GOVERNMENT OF
THE UNITED REPUBLIC OF TANZANIA
ON
TECHNICAL COOPERATION IN
SUPPORTING SERVICE DELIVERY SYSTEMS OF IRRIGATED AGRICULTURE**

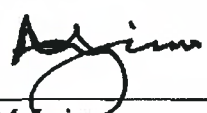
The Japan International Cooperation Agency (hereinafter referred to as "JICA"), through the Resident Representative in Tanzania had a series of discussions with the Tanzanian authorities concerned with respect to desirable measures to be taken by JICA and the Government of the United Republic of Tanzania for the successful implementation of the Technical Cooperation in Supporting Service Delivery Systems of Irrigated Agriculture (hereinafter referred to as "the TC").

As a result of the discussions, and in accordance with the provisions of the Agreement on Technical Cooperation between the Government of Japan and the Government of the United Republic of Tanzania, which was signed in Dar es Salaam on November 2, 2004 (hereinafter referred to as "the Agreement"), JICA and Tanzanian authorities concerned agreed to recommend to their respective Governments the matters referred to in the document attached hereto.

Dar es Salaam, 8, May, 2007



Mr. Makoto Kashiwaya
Resident Representative,
JICA Tanzania Office
Japan International Cooperation Agency



Mr. Peniel M. Lyimo
Permanent Secretary,
Ministry of Agriculture, Food Security
and Cooperatives

THE ATTACHED DOCUMENT

I. ACRONYMS AND ABBREVIATIONS

For the purpose of this Attached Document, the following acronyms and abbreviations are used:

ASDP	Agricultural Sector Development Programme
ARIs	Agricultural Research Institutes
MATIs	Ministry Agricultural Training Institutes
DADPs	District Agricultural Development Plans
DCD	Department of Crop Development, MAFC
DITS	Department of Irrigation and Technical Services, MAFC
DPP	Department of Policy and Planning, MAFC
DRT	Department of Research and Training, MAFC
GOT	Government of the United Republic of Tanzania
GOJ	Government of Japan
JCC	Joint Coordinating Committee
JICA	Japan International Cooperation Agency
KATC	Kilimanjaro Agricultural Training Centre
KATC II	Kilimanjaro Agricultural Training Centre Phase II project
KATRIN	Kilombero Agricultural Training and Research Institute
MAFC	Ministry of Agriculture, Food Security and Cooperatives
M/M	Minutes of Meeting
NERICA	New Rice for Africa
PO	Plan of Operation
TC	Technical Cooperation in Supporting Service Delivery Systems of Irrigated Agriculture
ZITSUs	Zonal Irrigation & Technical Services Units

II. COOPERATION BETWEEN JICA AND THE GOVERNMENT OF TANZANIA

1. The GOT will implement the TC in cooperation with JICA.
2. The TC will be implemented in accordance with the summary given in Annex I.



III. MEASURES TO BE TAKEN BY JICA

In accordance with the laws and regulations in force in Japan and the provisions of Article III of the Agreement, JICA, as the executing agency for technical cooperation by the GOJ, will take, at its own expense, the following measures according to the normal procedures of its technical cooperation scheme.

1. DISPATCH OF JAPANESE EXPERTS

JICA will assign Japanese experts to the TC as listed in Annex II hereof. The provision of Article III of the Agreement will be applied to the above-mentioned experts.

2. PROVISION OF MACHINERY AND EQUIPMENT

JICA will provide such machinery, equipment and other materials (hereinafter referred to as "the Equipment") necessary for the implementation of the TC as listed in Annex III hereof. The provision of Article III of the Agreement will be applied to the Equipment.

3. TRAINING OF TANZANIAN PERSONNEL IN JAPAN AND/OR IN THIRD COUNTRIES

JICA will receive Tanzanian personnel connected with the TC for technical training in Japan and/or in third countries.

IV. MEASURES TO BE TAKEN BY THE GOVERNMENT OF THE UNITED REPUBLIC OF TANZANIA

1. The GOT will take necessary measures to ensure that the self-reliant operation of the TC will be sustained during and after the period of Japanese technical cooperation, through full and active involvement in the TC by all related authorities, beneficiary groups and institutions.
2. The GOT will ensure that the technologies and knowledge acquired by the Tanzanian nationals as a result of Japanese technical cooperation contribute to the economic and social development of Tanzania.
3. In accordance with the provisions of Article V of the Agreement, the GOT will grant privileges, exemptions and benefits to the Japanese experts specified in III-1 hereof and their families as well.



4. In accordance with the provisions of Article IV and VII of the Agreement, the GOT will take the measures necessary to receive and use the Equipment provided by JICA under III-2 hereof and equipment, machinery and materials carried in by the Japanese experts specified in III-1 hereof.
5. The GOT will take necessary measures to ensure that the knowledge and experience acquired by the Tanzanian personnel from technical training in Japan will be utilized effectively in the implementation of the TC.
6. In accordance with the provision of Article V of the Agreement, the GOT will set up a Tanzanian Task Group and provide administrative personnel as listed respectively in Annex IV hereof.
7. In accordance with the provision of Article V of the Agreement, the GOT will provide the buildings and facilities as listed in Annex IV hereof.
8. In accordance with the laws and regulations in force in Tanzania, the GOT will take necessary measures to supply or replace at its own expense machinery, equipment, instruments, vehicles, tools, spare parts and any other materials necessary for the implementation of the TC other than the Equipment provided by JICA specified in III-2 hereof.
9. In accordance with the laws and regulations in force in Tanzania, the GOT will take necessary measures to meet the running expenses necessary for the implementation of the TC.

V. ADMINISTRATION OF THE TC

1. The Permanent Secretary of the MAFC will bear overall responsibility for the administration and the implementation of the TC.
2. The Director of the DRT will oversee the managerial and technical matters of the TC.
3. The Assistant Director in charge of training of the DRT will be responsible for the managerial and technical matters of the TC.
4. The Chief Adviser that appears in the list of Japanese Experts in Annex II hereof will provide necessary recommendations and advice to the Permanent Secretary of the MAFC and the Director of the DRT on any matters pertaining to the implementation of the TC.





5. The Japanese experts will provide necessary technical guidance and advice to the Tanzanian Task Group members on technical matters pertaining to the implementation of the TC.
6. For the effective and successful implementation of the TC, a Joint Coordinating Committee will be established whose functions and composition are described in Annex V hereof.

VI. JOINT EVALUATION

Evaluation of the TC will be conducted jointly by JICA and the Tanzanian authorities concerned at the middle and during the last six months of the cooperation term in order to examine the level of achievement.

VII. CLAIMS AGAINST JAPANESE EXPERTS

In accordance with the provision of Article VI of the Agreement, the GOT undertakes to bear claims, if any arises, against the Japanese experts engaged in the TC resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in Tanzania except for those arising from the willful misconduct or gross negligence of the Japanese experts.

VIII. MUTUAL CONSULTATION

There will be mutual consultation between JICA and the GOT on any major issues arising from, or in connection with this Attached Document.

IX. MESURES TO PROMOTE UNDERSTANDING OF AND SUPPORT FOR THE TC

For the purpose of promoting support for the TC among the people of Tanzania, the GOT will take appropriate measures to make the TC widely known to the people of Tanzania.

X. TERM OF COOPERATION

The duration of the Japanese technical cooperation in the TC under this Attached Document will be five (5) years from the date of the first Japanese expert's arrival in Tanzania.



LIST OF ANNEX

- ANNEX I SUMMARY OF THE TC
- ANNEX II LIST OF JAPANESE EXPERTS AND EQUIPMENT
- ANNEX III LIST OF MACHINERY AND EQUIPMENT
- ANNEX IV LIST OF TANZANIAN TASK MEMBER AND ADMINISTRATIVE
PERSONNEL
- ANNEX V LIST OF BUILDINGS AND FACILITIES
- ANNEX VI JOINT COORDINATING COMMITTEE

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ANNEX I SUMMARY OF THE TC

1. Overall Goals

- (1) The TC contributes to ASDP objectives of improving and expanding irrigated agriculture.**
- (2) Profitability and incomes of rice smallholders are increased.**

2. The Purpose

Productivity of rice cultivation in priority irrigation schemes is increased through strengthening service delivery systems of irrigated agriculture.

3. Outputs

- (1) Rice cultivation practices are improved in priority irrigation schemes through the Farmer-to-Farmer extension approach.**
- (2) Cooperative linkages between Research, Training and Extension Institutes is strengthened for improving rice productivity.**

4. Activities

- (1-1) To identify priority irrigation schemes through dialogues with the stakeholders.**
- (1-2) To conduct trainers training.**
- (1-3) To conduct residential and field training.**
- (1-4) To conduct monitoring and evaluation.**
- (1-5) To plan, conduct and monitor the technical training of irrigated rice production with gender consideration.**
- (2-1) To conduct workshops for the stakeholders.**
- (2-2) To provide Districts with technical support for planning training programmes of irrigated rice production as part of DADPs.**
- (2-3) To test new rice varieties including NERICA.**
- (2-4) To conduct on-farm trials for rice varieties including NERICA.**
- (2-5) To prepare basic guidelines on rice cultivation technologies.**

Note: In cases where the Summary of the TC needs to be modified due to changes of the circumstances or progress of activities, the modifications shall be determined and agreed by the GOT and JICA.



ANNEX II

LIST OF JAPANESE EXPERTS

1. Long-term Experts

The long-term experts shown in the table below will be assigned to the TC. Any assignment title may be held concurrently by plural experts.

	Assignment Title	Duties and Job Description
(1)	Chief Adviser	i) To provide necessary recommendations advice to the Permanent Secretary of MAFC and the Task Group members on matters with the implementation of the TC.
(2)	Coordinator / Rice Cultivation / Farm Management	i) To coordinate the TC activities in cooperation with the TC Task Group members. ii) To support the Chief Adviser iii) To provide technical guidance and advice to the Task Group members on issues pertaining to the rice cultivation and farm management
(3)	Irrigation/ Farmers Training	i) To provide technical guidance and advice to the Task Group members on issues pertaining to the irrigation and farmer training

2. Short-term Experts

The short-term experts shown in the table below will be assigned to the TC.

Assignment Title	Duties and Job Description
<ul style="list-style-type: none">• Upland Rice Cultivation• Gender• Livelihood Improvement• Information Management• Post-harvest Processing• Marketing	i) To provide technical guidance and advice to the Task Group members on issues pertaining to the expertise shown in assignment titles.

Additional assignment of Japanese experts shall be determined and agreed by the GOT and JICA when it is needed. Accordingly, the annual plan of the TC shall be amended to reflect it.



ANNEX III

LIST OF THE EQUIPMENT

The Equipment shown in the table below, if necessary for the implementation of the TC, will be provided.

	Name	Quantity	Specification
(1)	Vehicle	5 cars	Four 4WD cars, and One mini-bus
(2)	Office equipment	1 lot	PCs, printers, stabilizers, fax machines, projectors, satellite data transmission systems, scanners, and photocopiers.
(3)	Other equipment to support activities of the TC	1 lot	GPS, measurement tool, and cameras.

Provision of additional Equipment shall be determined and agreed by the GOT and JICA when it is needed. Accordingly, the annual plan of the TC shall be amended to reflect it.



ANNEX IV

LIST OF TANZANIAN TASK GROUP MEMBER AND ADMINISTRATIVE PERSONNEL

1. Head of the TC: Permanent Secretary of MAFC
2. Assistant Head of the TC: Director of the DRT
3. Leader of the Task Group: Assistant Director in charge of training of the DRT
4. Assistant Leader of the Task Group: Principal of KATC
5. Task Group members:
The GOT will provide necessary personnel to ensure the smooth operation of the TC as follows:
 - (1) Members of MATI-KATC, MATI-Igurusi, MATI-Ilonga and MATI-Ukiriguru
 - (2) Members of Rice Research Programme
(Suitably qualified personnel shall be assigned continuously to work with Japanese experts as specified in ANNEX V.)
6. Other personnel mutually agreed upon as necessary

Note:

- The list of Task Group members and their activities and roles may be reviewed and modified flexibly upon necessity under an agreement between the GOT and JICA.



ANNEX V

LIST OF BUILDINGS AND FACILITIES

1. Land, buildings and facilities necessary for implementation of the TC
2. Rooms and space necessary for installation and storage of equipment
3. Office space and necessary facilities for the Japanese Experts and the related staff
4. Other facilities mutually agreed upon as necessary

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ANNEX VI

JOINT COORDINATING COMMITTEE (JCC)

The JCC will be held once a year and whenever the necessity arises.

1. Functions

- (1) To approve the Annual Work Plan of the TC
- (2) To review the overall progress and annual expenditure of the TC
- (3) To review and exchange views on major issues arising from or in connection with the TC

2. Chairperson: Permanent Secretary of MAFC

3. Secretary: Director of the DRT

4. Members

(1) Tanzanian side:

1) MAFC representatives

- Assistant Director in charge of training of the DRT;
- Representatives of the DPP, DRT, DITS, and DCD; and
- ARIs and ZITSUs involved in the TC;
- Representatives of the MATI-KATC, MATI-Igurusi, MATI-Ilonga and MATI-Ukiriguru

2) Other Ministries:

- Representatives of Ministry of Finance;
- Representatives of Ministry of Water;
- Representatives of Ministry of Natural Resources and Tourism; and
- Representatives of PMO-RALG.

(2) Japanese side:

- i) Japanese Experts of the TC;
- ii) Resident Representative of the JICA Tanzania Office; and
- iii) Officers in charge of the TC at JICA headquarters, if necessary.

Notes:

- 1) Officials of the Embassy of Japan may attend the JCC meetings as observers.
- 2) The chairperson may have persons relevant to the agenda participate in the JCC meetings.

