

Annex 5-1 Assignment of Tanzanian Counterpart Personnel

Name	Position	Assigned period to KATC		Expert in charge	Posted at KATC		Remarks
		From	To		From	To	
Mr. P.Liymo	PS, MAFC	Jan.2006	~	Mr. Ota	N.A.	N.A.	Head of Project
Mr. W.Ngirwa	PS, MAFS	Oct.2001	Jan.2006	Mr. Koda Mr. Yamada	N.A.	N.A.	ditto
Mr. R.S.Kapande	ADRT, MAFS	Oct.2001	~	Mr. Koda Mr. Yamada	N.A.	N.A.	Project Director
Mr. R.J.Shayo	Principal, KATC	Oct.2001	~	Mr. Koda Mr. Yamada	Aug. 1994	~	Project Manager
Mr. A.G.Pyuza	Head, Academic Dept.	Oct.2001	~	Mr. Onishi Mr. Asai	Aug. 1994	~	Project Asst.Manager, Deputy Principal,
Mr. E.S.Massawe	Head, Production Dept.	Oct. 2001	~	N.A.	Oct.1996	~	
Mr. Z.Sarakikya	Tutor, Farming Development	Oct. 2001	Dec. 2002	Mr. Ohara	Aug. 1994	~	Promoted to Administration Dept. Head
	Head, Administration Dept	Jan. 2003	~	N.A.			
Mr. G.Maregesi	Head, Water Management	Oct. 2001	~	Mr. Uno, Mr. Inoue	Aug. 1994	~	
	Head, Curriculum Development Unit	Jan. 2003	Oct. 2005	N.A.			Concurrently assigned as Head of WM. Released in Oct. 2005
	Chief Editor, KATC	Nov. 2005	~	N.A.			Concurrently assigned as Head of WM.
Mr. G.Marawitti	Tutor, Water Management	Oct. 2001	~	Mr. Uno, Mr. Inoue	Aug. 1995	~	
Mr. P.Mawere	Tutor, Water Management	Oct. 2002	~	Mr. Uno, Mr. Inoue	Oct. 2002	~	
Mr. H.Msemu	Tutor, Water Management	Jan. 2003	Oct. 2005	Mr. Uno, Mr. Inoue	Jan. 2003	~	Transferred to EFT
	Head, Extension and Farmers Training	Nov. 2005	~	Dr. Aikawa			Transferred from WM
Mr. E.S.Chuma	Head, Extension and Farmers Training	Jan. 2003	Oct. 2005	Mr. Ohno, Dr. Aikawa	Jan. 2003	~	Currently studying at SUA from Oct. 2005
Mr. W.Ndoro	Tutor, Extension and Farmers Training	Oct. 2001	~	Mr. Shiratori, Mr. Ohno,	Aug. 1994	~	
Ms. A.Mushumba	Tutor, Extension and Farmers Training	Oct. 2001	July 2005	Mr. Shiratori, Mr. Ohno,	Dec. 1998	July 2005	Deceased
Mr. A.E.Kissinga	Tutor, Extension and Farmers Training	Jan. 2003	Oct. 2005	Mr. Ohno, Dr. Aikawa	Jan. 2003	~	Currently studying at SUA from Oct. 2005
Ms. M.Mtika	Tutor, Extension and Farmers Training	Oct. 2001	Jan. 2003	Mr. Shiratori, Mr. Ohno	Aug. 1994	~	Transferred to CDU
	Tutor, Curriculum Development Unit	Jan. 2003	Nov. 2004	N.A.			Transferred to ICDU
	Tutor, Information and Curriculum Development	Dec. 2004	~	Mr. Asai			
Mr. D.Uhwello	Tutor, Extension and Farmers Training	Apr. 2002	Nov. 2005	Mr. Shiratori, Mr. Ohno,	Apr. 2002	~	Gender assistant. Transferred to CDU
	Tutor, Curriculum Development Unit	Jan. 2003	Nov. 2005	N.A.			Transferred to ICDU
	Tutor, Information and Curriculum Development	Dec. 2004	Feb. 2006	Mr. Asai			
Mr. E.W.Mkojera	Head, Farming Development	Oct. 2001	~	Mr. Ohara	Oct. 2001	~	
Mr. E.Mziray	Tutor, Farming Development	Oct. 2001	~	Mr. Ohara	Aug. 1994	~	
Mr. P.G.Mihayo	Tutor, Farming Development	Oct. 2001	~	Mr. Ohara	Oct. 2001	~	
Mr. A.Lusake	Tutor, Farming Development	Oct. 2001	2004	Mr. Ohara	Nov. 1998		Transferred to Tabora, Zonal Irrg. Office
Ms. G.Mshanga	Tutor, Farming Development	Oct. 2001	Nov. 2004	Mr. Ohara	Aug. 1994	~	Transferred to RC
	Tutor, Rice Cultivation	Dec. 2004	~	Mr. Ohara			Transferred from FD
	Tutor, Extension and Farmers Training	Nov. 2005	~	Mr. Shiratori, Mr. Ohno,			Gender assistant. Transferred from RC

Mr. N. Shauritanga	Tutor, Farming Development	Jan. 2003	Oct. 2005	Mr. Ohara	Jan. 2003	~	
	Head, Information and Curriculum Development	Nov. 2005	~	Mr. Asai			Transferred from FD
Mr. N. Mvukiye	Head, Rice Cultivation	Oct. 2001	Sep. 2002	Mr. Ohara	Aug. 1995	Sep. 2002	Transferred to Dakawa Research Centre
Mr. J. Omari	Tutor, Rice Cultivation	Oct. 2001	Jun. 2003	Mr. Ohara	Sept. 1995	Jun. 2003	Transferred to Same DED
Mr. M. Matinka	Tutor, Rice Cultivation	Oct. 2001	~	Mr. Ohara	Nov. 1998	~	Currently studying at SUA
Mr. W. Mwinyi	Head, Rice Cultivation	Oct. 2002	~	Mr. Ohara	Oct. 2002	~	
Mr. G. Mosi	Tutor, Rice Cultivation	Oct. 2002	~	Mr. Ohara	Oct. 2002	~	
Ms. R. Chapile	Tutor, Rice Cultivation	Oct. 2002	~	Mr. Ohara	Oct. 2002	~	
Mr. E. Zablon	Tutor, Rice Cultivation	Jan. 2003	~	Mr. Ohara	Jan. 2003	~	
Mr. S. D. Soi	Tutor, Rice Cultivation	Sept. 2005	~	Mr. Ohara	Sept. 2005	~	
Mr. H. J. Nzully	Head, Information Unit	Oct. 2002	Nov. 2005	N.A.	Oct. 2002	~	Transferred to ICDU
	Head, Information and Curriculum Development	Dec. 2004	Oct. 2005	Mr. Asai			Currently studying at SUA from Oct. 2005
Ms. S. Mahendeka	Tutor, Information Unit	Oct. 2002	~	N.A.	Oct. 2002	~	Currently studying at SUA from Sept. 2004
Mr. D. O. Nkollo	Production Dept.	Apr. 2005	~	N.A.	Apr. 2005	~	

Annex 5-2 Acceptance of Tanzanian Counterparts Personnel for Training in Japan

Name	Duration		Field*	Training Topic	Training institute	Position then	Current position
	From	To					
W.Ngirwa	25/09/2001	06/10/2001	Agricultural Policy/System	Agricultural Extension Activity and Training System in Japan	Ministry of Agriculture, Forestry and Fisheries	PS, MAFS	ditto
R.S.Kapande	25/09/2001	06/10/2001	Agricultural Policy/System	Agricultural Extension Activity and Training System in Japan	Ministry of Agriculture, Forestry and Fisheries	Director of Training Institutes, MAFS	Assistant Director of Research and Training, MAFS
E. W.Mkojera	04/06/2002	10/08/2002	Agricultural Development	Farming System Research	Tottori University	Head, FD	ditto
A.Mushumba	05/11/2002	25/01/2003	Other Health and Medical Care	Nutrition and Diet Improvement for Women Leaders	JICA Obihiro international centre	Tutor, EFT	Deceased in July 2005
W.Mwinyi	26/05/2003	23/09/2003	Agricultural Development	Insect and Pest Management in Rice Cultivation	Kobe University	Head, RC	ditto
P.Mawere	01/07/2003	28/11/2003	Agricultural Development	Operation and Management of Irrigation Canal Systems	JICA Tsukuba international Centre	Tutor, WM	ditto
N.Shauritanga	09/07/2003	15/10/2003	Agricultural Development	Maintenance and Repair of Power Tiller	JICA Tsukuba international Centre	Tutor, FD	Head, ICDO
E.S.Chuma	05/05/2004	17/07/2004	Agricultural Policy/System	Agricultural Extension Planning and Management	Ministry of Agriculture, Forestry and Fisheries	Head, EFT	Studying at SUA from Nov 2005
H.Msemo	29/06/2004	26/11/2004	Agricultural Development	Operation and Management of Irrigation Canal Systems	JICA Tsukuba international Centre	Tutor, WM	Head, EFT
H.J.Nzully	23/01/2005	24/04/2005	Agricultural Policy/System	Agricultural Information System Technique	JICA Obihiro international centre	Head, ICDO	Studying at SUA from Nov 2005
A.E.Kissinga	31/01/2005	20/03/2005	Regional Development	Participatory local socialdevelopment theories and practice	Nihon Fukushi University	Tutor, EFT	Studying at SUA from Nov 2005
R.Chapile	01/02/2005	25/11/2005	Agricultural Development	Rice Research Techniques II	JICA Tsukuba international Centre	Tutor, RC	ditto
E.Zablon	01/02/2006	25/11/2006	Agricultural Development	Rice Research Techniques II	JICA Tsukuba international Centre	Tutor, RC	ditto

* Field: following to classification of JICA Group training courses

**Intotal:13 (50M/M)

ANNEX 6 Assignment of Japanese Experts

Name	Field	Dispatched period		Occupation when dispatched
		From	To	
Mr. HIROTOSHI KODA	Chief Adviser	30/09/2001	29/11/2003	Unemployed
Mr. AKINAO ONISHI	Coordinator	01/10/2001	30/11/2003	Japan International Cooperation Agency
Mr. KIYOSHI SHIRATORI	Extension/Farmers training	01/10/2001	30/09/2002	Japan International Cooperation Center
Mr. KATSUYUKI OHARA	Rice cultivation/Farming management	30/09/2001	30/09/2006	Lifework international Ltd.
Mr. HIROMU UNO	Irrigation management	14/01/2002	30/06/2004	Ministry of Agriculture, Forestry and Fisheries
Dr. MASAOKI SHIMADA	Schistosomiasis Control in Irrigation	02/02/2002	28/02/2002	University of Nagasaki
Dr. HIDEO FURUTSUKA	Farming Survey	18/02/2002	25/03/2002	Tottori University
Ms. ETSUKO IKEDA	Gender	10/04/2002	16/06/2002	Unemployed
Dr. SHIGEMASA MATSUBARA	Farming Systems Research	16/08/2002	22/09/2002	Tottori College
Mr. YASUO ONO	Extension and Farmers Training	14/09/2002	26/12/2004	IC Net Limited
Ms. ETSUKO IKEDA	Gender in Agricultural Training	08/10/2002	20/12/2002	Kaihatsu Management Consulting, Inc.
Mr. HEIICHI KAWABATA	Production Technique of Rice Seed	27/10/2002	20/11/2002	Ishikawa Sunrises Industries Creation Organization
Dr. TAKASHI YAMAMOTO	Rice Disease(Rice Yellow Mottle Virus)	28/02/2003	28/04/2003	Unemployed
Mr. SEIKICHI SUGAWARA	Improvement of Agricultural Tools and Appliances	07/04/2003	06/07/2003	Unemployed
Ms. ETSUKO IKEDA	Gender in agricultural training	06/10/2003	14/12/2003	Kaihatsu Management Consulting, Inc.
Mr. TAMOTSU YAMADA	Chief Adviser	05/11/2003	30/07/2004	Japan International Cooperation Agency
Mr. MAKOTO ASAI	Coordinator	05/11/2003	30/09/2006	Japan International Cooperation Agency
Mr. HIDEKI NAKAMACHI	Improvement of agricultural tools and equipments	09/01/2004	08/03/2004	Suzuhachi Agricultural Machine Company
Dr. KOJI INOSAKO	Reduction of salt damage on rice research	21/02/2004	20/03/2004	Tottori University
Mr. YUTAKA INOUE	Irrigation management	20/06/2004	30/09/2006	Ministry of Agriculture, Forestry and Fisheries
Mr. MITSUHIKO OTA	Chief Adviser	18/07/2004	30/09/2006	Japan International Cooperation Agency
Ms. TOMOKO KAWANABE	Gender	25/09/2004	28/11/2004	Free consultant
Dr. JIRO AIKAWA	Extension and farmers training	04/12/2004	30/09/2006	Elico Ltd.
Dr. ICHIZEN MATSUMURA	Analysis and interpretation of farming management data	05/03/2005	16/04/2005	Tottori University
Mr. YUKIO SATO	Simple soil analysis for the improvement of soil fertility	16/04/2005	29/05/2005	Sanyu Consultants Inc.
Mr., Koji Shirakawa	Information Management	15/05/2005	06/07/2005	IC Net Limited
Ms. YOKO HARADA	Gender mainstreaming	11/06/2005	08/09/2005	Global Link Management, Inc.
Ms. YOKO HARADA	Gender mainstreaming	16/04/2006	15/05/2006	Global Link Management, Inc.

Annex 7 Allocated Budget by the Government of Tanzania

1 Expenditure of KATC / G.O.T. funds (Recurrent)

Budget Item	2001/02	2002/03	2003/04	2004/05	2005/06
TOTAL	56,612,331.00	20,446,979.00	28,907,600.00	31,599,803.40	37,475,232.00
BUDGET	54,604,381.16	20,280,285.26	25,400,434.00	31,418,421.37	8,460,009.00
BALANCE	2,007,949.84	166,693.74	3,507,166.00	181,382.03	29,015,223.00

2 SELF HELP FUND EXPENDITURE ON KATC PHASE II RELATED ACTIVITIES / MATTERS

	2001/02	2002/03	2003/04	2004/05	2005/06
Total	1,004,010.00	1,687,100.00	8,768,137.46	10,679,247.25	4,029,537.20

*Up to March 2006

Final total: 26,168,031.91Tsh

Annex 8 Allocated Budget by the Government of Japan for Local Cost Expenditure

(Tsh.)

Budget Item	2001/02	2002/03	2003/04	2004/05	2005/06	2006 Apr - Sep**
General cost	28,411,551.56	28,221,953.03	40,909,983.76	111,121,665.00	80,364,236.00	60,040,816.77
Technical Exchange programme	0.00	0.00	23,824,948.60			
Technical Extension cost	30,268,106.00	76,433,599.00	126,786,064.41	55,446,290.00	46,316,800.00	12,088,557.66
RTCPP cost	0.00	11,794,524.00	76,003,604.50	110,080,450.00	77,184,289.00	0.00
Sub Total	58,679,657.56	116,450,076.03	267,524,601.27	276,648,405.00	203,865,325.00	72,129,374.43

Grand Total 995,297,439.29

** : Planned as of Dec 2005

Annex 9 List of Equipment Provided by the Government of Japan

*Legend of Means of Purchase

D = Donated by JICA(Procured in Japan); DL = Donated by JICA (Procured locally); C = for Experts' use (Procured in Japan); CL = for Experts' use (Procured locally); LG = from project annual budget (General); LA = from project annual budget (Technical Extension cost); LR = from project annual budget(RTCTPP)

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	(¥)	Unit Price (Tsh.)	(USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
01-001	Oct 2001	Book	Science of the Rice Plant vol.1 Morphology	Nobunkyo	1	28,000			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Teaching note preparation
01-002	Oct 2001	Book	Science of the Rice Plant vol.3 Genetics	Nobunkyo	1	43,000			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Teaching note preparation
01-003	Oct 2001	Book	Science of the Rice Plant Supple.vol.1	Nobunkyo	1	9,000			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Teaching note preparation
01-004	Oct 2001	CD-ROM	Diagnosis and control of pest disease and weed	Nobunkyo	1	190,477			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Teaching note preparation
01-005	Oct 2001	CD-ROM	Nougyou gjjutsu taikei	Nobunkyo	1	211,640			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Teaching note preparation
01-006	Oct 2001	Software	Windows 2000 Professional	Microsoft	1	38,700			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Report and Teaching note preparation
01-007	Oct 2001	Software	Office XP Professional Special Edition (Japanese)	Microsoft	1	41,800			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Report and Teaching note preparation
01-008	Oct 2001	Extension Memory	VN-100-128MW(128MB)	Melco	1	20,000			Rice Cultivation (Ohara)	ditto	C(Mr.Ohara)	Report and Teaching note preparation
01-009	Oct 2001	Digital Video Camera	DCR-PC110E (PAL System)	Sony	1	223,000			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-010	Oct 2001	Battery Pack	NP-QM91 (for 01-009)	Sony	1	15,300			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-011	Oct 2001	Semisoft Case	LCM-PCA (for 01-009)	Sony	1	4,000			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-012	Oct 2001	I Link Cable	VMC-IL4415A (for 01-009)	Sony	1	3,000			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-013	Oct 2001	Memory Stick	MSA-64AN 64MB (for 01-009)	Sony	1	9,000			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-014	Oct 2001	Carrying Case	MSAC-A8 (for 01-013)	Sony	1	1,300			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-015	Oct 2001	PC Card Adapter	MSAC-PC2N (for 01-013)	Sony	1	6,700			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-016	Oct 2001	Floppy Disk Adapter	MSAC-FD2MA (for 01-013)	Sony	1	7,500			Extension	ditto	C(Mr.Shiratori)	Report and Teaching note preparation
01-017	Oct 2001	Software	Premiere ver.6 (English)	Adobe	1	79,000			Extension	ditto	C(Mr.Shiratori)	Report and Teaching note preparation
01-018	Oct 2001	Cutting Mat	MA-43N	Kokuyo	1	3,900			Extension	ditto	C(Mr.Shiratori)	General office use
01-019	Oct 2001	Brush for OA Supply	EAS-BR2Y	Kokuyo	1	400			Extension	ditto	C(Mr.Shiratori)	General office use
01-020	Oct 2001	Digital Memory Recorder	VOICE TREK DM-1	Olympus	1	29,700			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-021	Oct 2001	Smart Media	RFD-ID64MB (for 01-020)	Melco	2	5,000			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-022	Oct 2001	PC Card Adapter	RFD-A2 (for 01-021)	Melco	1	3,900			Extension	ditto	C(Mr.Shiratori)	Recording trainings
01-023	Nov 2001	CD-ROM	Gendai Nogyo 2001	Nobunkyo	1	100,400			Rice Cultivation (Ohara)	ditto	C(Mr.Koda)	Teaching note preparation
01-024	Nov 2001	Book	Science of the Rice Plant vol.2 Physiology	Nobunkyo	1	47,142			Rice Cultivation (Ohara)	ditto	C(Mr.Koda)	Teaching note preparation
01-025	Nov 2001	Software	E-Typist International for Windows	Mediadrive	1	33,000			Administration (Ohara)	ditto	C(Mr.Onishi)	Skill up of Academic
01-026	Nov 2001	Software	Norton Internet Security 2001 ver.3.0	Symantec	1	6,630			Administration (Onishi)	ditto	C(Mr.Onishi)	General office use
01-027	Nov 2001	Software	Power Point 2002	Microsoft	1	25,000			Administration (Onishi)	ditto	C(Mr.Onishi)	Teaching note preparation
01-028	Nov 2001	Software	Windows 2000 Pro. Up-Grade	Microsoft	1	17,100			Administration (Onishi)	ditto	C(Mr.Onishi)	Teaching note preparation
01-029	Nov 2001	CD-RW Drive	CD-RWD-RX1210J	I/O Data	1	26,400			Administration (Onishi)	ditto	C(Mr.Onishi)	Recording trainings
01-030	Nov 2001	SCSI Card	CBSCII	I/O Data	1	7,220			Administration (Onishi)	ditto	C(Mr.Onishi)	Recording trainings
01-031	Jan 2002	Circular Saw	DW302	Dewelf	1	239,400			Farming Development	ditto	LA	Farming tool fabrication
01-032	Jan 2002	Jig Saw	DW319	Dewelf	1	234,900			Farming Development	ditto	LA	Farming tool fabrication
01-033	Jan 2002	Hacksaw			3	6,500			Farming Development	ditto	LA	Farming tool fabrication
01-034	Jan 2002	Hacksaw			2	2,400			Farming Development	ditto	LA	Farming tool fabrication
01-035	Feb 2002	Software	Norton Anti-Virus 2002(E)	Symantec	10	7,700			Water Management (Uno and	ditto	C(Mr.Uno)	General office use
01-036	Feb 2002	Software	Homepage Builder Ver.6.5J	IBM	1	12,500			Water Management (Uno)	ditto	C(Mr.Uno)	Publication
01-037	Jan 2002	ZIP Drive		omega	1	250,000			Administration (Ohara)	ditto	LG	Recording trainings
01-038	Jan 2002	Mobile Phone	Talkabout T2288	Motorola	1	98,000			Administration (Onishi)	ditto	LG	Communication

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	(\)	Unit Price (Tsh.)	(USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
01-039	March 2002	Stapler	Giant No.02030	Rexel	2		35,000		Extension(Library)	ditto	CL(Mr.Koda)	General office use
01-040	March 2002	Scissors		Savoy	4		1,500		Extension(Library)	ditto	CL(Mr.Koda)	General office use
01-041	March 2002	Laminating Machine	FGK320Lampacker		1		350,000		Administration	ditto	CL(Mr.Koda)	General office use
01-042	March 2002	Scientific Calculator	fx-100W	Casio	30		28,000		Water Management	ditto	DL	for practice session of training courses
01-043	March 2002	Multimedia Projector	PLC-SW20	Sanyo	2		4,450,000		IU/CDU	1. Administration, 2. AV Room	DL	General office use
01-044	March 2002	Comb Binder	CB400	Rexel	1		650,000		Extension(Library)	Library	DL	Publication
01-045	Apr 2002	Vehicle	Patrol(STJ5950)	Nissan	1		28,939,500		Administration	Workshop	DL	Travelling to model sites
01-046	Apr 2002	Vehicle	Patrol(STJ5951)	Nissan	1		28,939,500		Administration	Workshop	DL	Travelling to model sites
01-047	Apr 2002	Vehicle	Patrol(STJ5952)	Nissan	1		28,939,500		Administration	Workshop	DL	Travelling to model sites
01-048	March 2002	Photocopy Machine	NP6320	Canon	1		2,700,000		Extension(Library)	Library	DL	Teaching note preparation
01-049	Apr 2002	Pointer		Kokuyo	6	1,350				1.EFT,2.RC, 3.FD,4.WM, 5-6.Store	C(Mr.Koda)	General training use
01-050	May 2002	UPS	Back-UPS 650		8		147,440			1.Admin.(Computer Room),2.Admin.,3.FD,4.RC,5.WM,6.MAFS,7.IU, 8.Admin.(Store)	DL	General office use
01-051	May 2002	Printer	Deskjet 920C	HP	3		169,750			1.Academic, 2.RC,3.WM	DL	Teaching note preparation
01-052	May 2002	Computer (Desktop)	DHM Dimension 4400	DELL	1		1,324,050		Farming Development	ditto	DL	Teaching note preparation
01-053	May 2002	Computer (Desktop)	DHS Dimension 4300S	DELL	1		1,324,050		Administration	Computer Room	DL	Teaching note preparation
01-054	May 2002	Computer (Desktop)	DHS Dimension 4300S	DELL	1		1,324,050		Administration	ditto	DL	Teaching note preparation
01-055	May 2002	Computer (Desktop)	DHS Dimension 4300S	DELL	1		1,324,050		Rice Cultivation	ditto	DL	Teaching note preparation
01-056	May 2002	Computer (Desktop)	DHS Dimension 4300S	DELL	1		1,324,050		MAFS	ditto	DL	Teaching note preparation
01-057	May 2002	Computer (Laptop)	Satellite PS183C-00VF1	Toshiba	1		1,867,250		EFT	ditto	DL	Teaching note preparation
01-058	May 2002	Computer (Laptop)	Satellite PS183C-00VF1	Toshiba	1		1,867,250		Water Management	ditto	DL	Teaching note preparation
01-059	March 2002	Chair		Vijana Associates	19		26,000		Extension(Library)	Library	LG	General office use
01-060	March 2002	Easy chair		Vijana Associates	4		80,000		Extension(Library)	Library	LG	General office use
01-061	March 2002	Coffee table		Vijana Associates	1		75,000		Extension(Library)	Library	LG	General office use
01-062	March 2002	Stool		Vijana Associates	4		12,000		Extension(Library)	Library	LG	General office use
01-063	March 2002	Study table		Vijana Associates	6		140,000		Extension(Library)	Library	LG	General office use
01-064	March 2002	Counter		Vijana Associates	1		550,000		Extension(Library)	Library	LG	General office use
01-065	March 2002	Bag deposit		Vijana Associates	1		150,000		Extension(Library)	Library	LG	General office use
01-066	Apr 2002	CD-RW Drive	Predator CD-RW	iomega	2			240	Administration	ditto	CL(Mr.Koda)	Recording trainings
01-067	Apr 2002	Color Laser Printer	Color Laser Jet 4550	HP	1			2,625	IU/CDU	ditto	CL(Mr.Koda)	Teaching note preparation
01-068	May 2002	Wheelbarrow		TFA	5		50,000		Rice Cultivation	General store	DL	Trial farm operation
01-069	May 2002	Refrigerator			1		485,100		Rice Cultivation	Laboratory	DL	Reagents
01-070	May 2002	Blower			2		95,000		FD(Workshop)	Workshop	DL	General office use
01-071	May 2002	Drill			3		75,000		FD(Workshop)	Workshop	DL	Farming tool fabrication
01-072	May 2002	Centre punch			20		8,000		FD(Workshop)	Workshop	DL	Farming tool fabrication
01-073	May 2002	Steel cutting scissors			10		8,000		FD(Workshop)	Workshop	DL	Farming tool fabrication
01-074	May 2002	Carpenter's outfit			10		383,000		FD(Workshop)	Workshop	DL	Farming tool fabrication
01-075	May 2002	Arc welding equipment			5		475,000		FD(Workshop)	Workshop	DL	Farming tool fabrication
01-076	May 2002	Gas welding equipment			5		575,000		FD(Workshop)	Workshop	DL	Farming tool fabrication
01-077	Apr 2002	Chair			2		95,000		Extension(Library)	Library	DL	General office use
01-078	Apr 2002	Cabinet			2		525,000		Extension(Library)	Library	DL	General office use

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	(¥)	Unit Price (Tsh.)	(USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
01-079	Apr 2002	Bookshelf			8		185,000		Extension(Library)	Library	DL	General office use
01-080	March 2002	Bicycle			1		80,000		Water Management	ditto	LG	Pump operation
01-081	July 2002	CD-RW Drive	Predator CD-RW (External Drive for No.01-057)	iomega	1				Extension (Ono)	ditto	DL	Recording trainings
01-082	July 2002	CD-RW Drive	Predator CD-RW (External Drive for No.01-058)	iomega	1				Water Management	ditto	DL	Recording trainings
01-083		Book	The Power of Duck	Tagari	1			24	Extension(Library)	Library	O	Teaching note preparation
01-084	July 2002	Electrical Typewriter	ET2450	Olivetti	1			850	Extension(Library)	Library	DL	Report and Teaching note preparation
01-085	Sep 2002	Book	Managing soil fertility in the tropics: a resource guide for participatory learning		1			127	Extension(Library)	Library	LG	Teaching note preparation
01-086	Sep 2002	Book	Gender and technology		1			17	Extension(Library)	Library	LG	Teaching note preparation
01-087	Sep 2002	Book	A guide to gender analysis framework		1			17	Extension(Library)	Library	LG	Teaching note preparation
01-088	Sep 2002	Book	Gardening for better nutrition		1			17	Extension(Library)	Library	LG	Teaching note preparation
01-089	Sep 2002	Book	Hygiene Evolution procedure: approaches and		1			17	Extension(Library)	Library	LG	Teaching note preparation
01-090	Sep 2002	Book	Low cost sanitation: a survey of practical experience		1			25	Extension(Library)	Library	LG	Teaching note preparation
01-091	Sep 2002	Book	Rain water catchment system for domestic supply: designs, construction and implementation		1			29	Extension(Library)	Library	LG	Teaching note preparation
01-092	Sep 2002	Book	Crop, People and irrigation: water allocation practices of farmers and engineers		1			25	Extension(Library)	Library	LG	Teaching note preparation
01-093	Sep 2002	Book	Operation and maintenance of small irrigation schemes		1			17	Extension(Library)	Library	LG	Teaching note preparation
01-094	Sep 2002	Book	Seeds of choice: making the most of new varieties for small		1			35	Extension(Library)	Library	LG	Teaching note preparation
01-095	Sep 2002	Book	Fertile ground: the impacts of participatory watershed management		1			35	Extension(Library)	Library	LG	Teaching note preparation
01-096	Sep 2002	Book	Sustaining the soil: indigenous soil water conservation in Africa		1			29	Extension(Library)	Library	LG	Teaching note preparation
01-097	Sep 2002	Book	Basic accounting for credit and saving		1			17	Extension(Library)	Library	LG	Teaching note preparation
01-098	Sep 2002	Book	The New Middle women: profitable banking through on-lending groups		1			29	Extension(Library)	Library	LG	Teaching note preparation
01-099	Sep 2002	Book	Gender training manual		1			52	Extension(Library)	Library	LG	Teaching note preparation
01-100	Sep 2002	Book	Food Security in Sub-Saharan Africa		1			32	Extension(Library)	Library	LG	Teaching note preparation
01-101	Sep 2002	Book	Learning from change: issues and experiences in participatory monitoring and		1			29	Extension(Library)	Library	LG	Teaching note preparation
01-102	March 2002	Wireless Internet(Email) system with a tower	Breezecom SA-10D PRO.11 and steel tower (10m high)		1		2,524,080		Administration	ditto	LG	Communication
02-001	Feb 2003	Color Monitor	17 inch, No.999117141224201 952P68412	BENQ	1		180,000		Water Management	ditto	LG	Teaching note preparation
02-002	March 2003	Still Camera	Riva 140 Zoom	Minolta	1		260,000		Extension	ditto	LG	Recording trainings
02-003	March 2003	Sprayer	15ltr	Solo	5		62,000		Rice Cultivation	General store/Rice store	DL	Trial farm operation
02-004	March 2003	Rice Mill Machines			1		1,000,000		Farming Development	Workshop	DL	Trial farm operation
02-005	March 2003	Maize Mill			1		570,000		Farming Development	Workshop	DL	Trial farm operation
02-006	March 2003	Maize Huller			1		375,000		Farming Development	Workshop	DL	Trial farm operation
02-007	March 2003	Chaff Cutter			1		470,000		Farming Development	Workshop	DL	Trial farm operation
02-008	March 2003	Solar Panel for electric fence	for Super 3s	Suematsu	1	82,000			Rice Cultivation	General Store	D	Trial farm operation

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	(¥)	Unit Price (Tsh.)	(USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
02-009	March 2003	Sickle	H-081	Houmen Miyawaki	150	800			Rice Cultivation	General store	D	Trial farm operation
02-010	March 2003	Bird Protection Net	KG-50	Tokyo Tobari	30	5,200			Rice Cultivation	General store	D	Trial farm operation
02-011	March 2003	Universal Tool Set	1000M	Banzai	10	53,500			Farming Development	General store	D	Farming tool fabrication
02-012	March 2003	Power Tiller	TA12LJ	Kubota	1	596,000			Farming Development	Workshop	D	Farming tool fabrication
02-013	March 2003	Irrigation Pump	KL-65H	Kyoritz	1	93,000			Farming Development	Workshop	D	Farming tool fabrication
02-014	March 2003	Measuring Tape	1-883-0611, 10m	Uchida	6	2,100			Rice Cultivation	General store/Model site	D	for practice session of training courses
02-015	March 2003	Measuring Tape	1-883-0613, 30m	Uchida	3	4,400			Rice Cultivation	General store/Model site	D	for practice session of training courses
02-016	March 2003	Measuring Tape	1-883-0615, 50m	Uchida	3	6,600			Rice Cultivation	General store/Model site	D	for practice session of training courses
02-017	March 2003	Measuring Tape	2-342-0108, 100m	Uchida	3	9,800			Rice Cultivation	General store/Model site	D	for practice session of training courses
02-018	March 2003	Hoe Set	Set of No.5020, 5021, 5022, 5023	Kubota	3	15,000			Farming Development	General store	D	for practice session of training courses
02-019	March 2003	Rubber Boots	Soft-tabi No.14, 27cm	Koshin	25	4,600			Rice Cultivation	General store	D	for practice session of training courses
02-020	March 2003	Rubber Boots	Soft-tabi No.14, 28cm	Koshin	25	4,600			Rice Cultivation	General store	D	for practice session of training courses
02-021	March 2003	Rubber Boat	EZ4-942	Achilles	7	97,000			Water Management	General store	D	Reservoir survey
02-022	March 2003	Life Jacket	LW-22	Yamaha	28	5,000			Water Management	General store	D	Reservoir survey
02-023	March 2003	Hip Boots	Tokudotsukinaga Type K	Koshin	28	24,000			Water Management	General store	D	Reservoir survey
02-024	March 2003	Video Cassette Recorder	HR-S5900AM	JVC	1			610	IU/CDU	ditto	DL	Recording trainings
02-025	March 2003	Digital Photo Printer	DPP-SV55	Sony	2			370	Administration	ditto	DL	Recording trainings
02-026	March 2003	Digital Camera	DSC-S85	Sony	4			680	RC, FD, WM, EFT	ditto	DL	Recording trainings
02-027	March 2003	Memory Stick	Memory Stick 128MB	Lexar Media	5			140	Admin(3), IU(2)	ditto	DL	Recording trainings
02-028	March 2003	Memory Stick	Memory Stick 64MB	Lexar Media	5			140	EFT, RC, FD, WM, CDU	ditto	DL	Recording trainings
02-029	March 2003	High Pressure Cleaner	HD640S	Karcher	1		892,050		FD(Workshop)	Workshop	DL	Farming tool fabrication
02-030	March 2003	Vernier Caliper			10		17,000		Rice Cultivation	Laboratory	DL	Analysis
02-031	March 2003	Motorised Sprayer		TARAL	2		370,000		Rice Cultivation	General store	DL	Trial farm operation
02-032	March 2003	Aluminium Staff			12		120,000		Water Management	Modelsites	DL	Survey
02-033	March 2003	Ranging Pole			60		32,000		Water Management	Modelsites	DL	Survey
02-034	March 2003	Glass Rain Measure			6		19,000		Water Management	Modelsites	DL	Metrological survey
02-035	March 2003	Copper Rain Gauge			6		180,000		Water Management	Modelsites	DL	Metrological survey
02-036	March 2003	Glass Bottle			6		8,225		Water Management	Modelsites	DL	Metrological survey
02-037	March 2003	Max & Min Thermometer			12		18,000		Water Management	Modelsites	DL	Metrological survey
02-038	March 2003	Micrometer			2		12,000		Rice Cultivation	General Store	DL	for practice session of training courses
02-039	March 2003	Electronic Balance	Min0.001g-Max500g		2			995	Rice Cultivation	General Store	DL	for practice session of training courses
02-040	March 2003	Electronic Balance	Min0.01g-Max400g		2			930	Rice Cultivation	General Store	DL	for practice session of training courses
02-041	March 2003	pH Meter	pHeP		10	6,500			Rice Cultivation	General store/Laboratory	C(Mr.Koda)	Soil analysis
02-042	March 2003	Grain Moisture Meter	Riceter J311		10	35,800			Rice Cultivation	General store/Laboratory	C(Mr.Koda)	for practice session of training courses
02-043	Apr 2003	EC Meter	DIST4	Hanna Instruments	10	6,620			Rice Cultivation	General store/Laboratory	C(Mr.Koda)	Soil analysis
02-044	March 2003	Software	Office XP Pro	Microsoft	1	72,500			Information Unit	IU/CDU	C(Mr.Uno)	Report and Teaching note preparation
02-045	March 2003	Software	Acrobat 5.0	Adobe	1	35,500			Information Unit	IU/CDU	C(Mr.Uno)	Report and Teaching note preparation

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02-046	March 2003	GPS		Sportrak	3	36,000			Water Management	ditto	C(Mr. Uno)	Survey
02-047	March 2003	Thermograph	RS-11		7	28,300			Water Management	6 Modelsites 1 WM	C(Mr. Uno)	Survey
02-048	March 2003	Battery Pack	FMVNBP11CA04061-G871	Fujitsu	1	10,700			Administration (Mr. Koda)	ditto	C(Mr. Uno)	Report and Teaching note preparation
02-049	March 2003	Water Level Meter	PR-200	Ikeda Keiki	6	117,000			Water Management	Modelsites	C(Mr. Uno)	Survey
02-050	May 2003	Scanner	Scanjet 2300C	HP	2		130,000		1. Administration, 2. Water Management	ditto	LG	Report and Teaching note preparation
02-051	May 2003	Book	Using Information Technology	McGraw Hill	1		6,000		Library	ditto	LG	Teaching note preparation
02-052	May 2003	Book	Complete Reference of Front Page 2000	McGraw Hill	1		9,000		Library	ditto	LG	Teaching note preparation
02-053	March 2003	Portable Beam Balance	HB1000M, 500kg		1			900	Rice Cultivation	Rice Store	DL	for practice session of training courses
02-054	March 2003	Stop Watch			10		33,000		Water Management	6 Modelsites 4 WM	DL	Discharge measurement
02-055	May 2003	Canvas Sheet	15m*10m		20		540,000		Rice Cultivation	General store	DL	for practice session of training courses
02-056	Apr 2003	Computer (Desktop)	Dimension	DELL	1		1,392,500		Information Unit	ditto	DL	Report and Teaching note preparation
02-057	Apr 2003	Computer (Desktop)	Dimension	DELL	1		1,392,500		Farming Development	ditto	DL	Report and Teaching note preparation
02-058	Apr 2003	Software	Office XP Professional (OEM)	Microsoft	1		330,000		Administration	ditto	DL	Report and Teaching note preparation
02-059	June 2003	Software	Publisher Version2002	Microsoft	1	18,570			IU/CDU	ditto	C(Mr. Uno)	Publication
02-060	June 2003	Software	FrontPage Version2002	Microsoft	1	18,570			IU/CDU	ditto	C(Mr. Uno)	Publication
02-061	March 2003	Colour Monitor	FD Trinitron XA25	Sony	1			360	IU/CDU	ditto	DL	Recording trainings
02-062	March 2003	Current Metre	UC-204	Tamaya	7			3,250	WM	Modelsites	DL	Metrological survey at modelsites
02-063	July 2003	Water Gauge			94		90,000		WM	Modelsites	DL	Metrological survey at modelsites
02-064	July 2003	Psychrometre			7		167,500		WM	Modelsites	LA	Metrological survey at modelsites
02-065	Apr 2003	Hard disk	200GB	Maxtor	1		130,000		IU/CDU	ditto	DL	Recording trainings and other
02-066	Sep 2002	Parts for K120	PULLEY ASSY, TENSION	Kubota	1	5,490			FD	General store	C (Ohara)	Trial farm operation
02-067	Sep 2002	Parts for K120	SEAL, OIL	Kubota	1	620			FD	General store	C (Ohara)	Trial farm operation
02-068	Sep 2002	Parts for K120	REAR WHEEL	Kubota	1	4,590			FD	General store	C (Ohara)	Trial farm operation
02-069	Sep 2002	Parts for K120	TIGHTENER. ASSY WHEEL	Kubota	1	310			FD	General store	C (Ohara)	Trial farm operation
02-070	Sep 2002	Parts for K120	SINGLE R	Kubota	1	17,460			FD	General store	C (Ohara)	Trial farm operation
02-071	Sep 2002	Parts for K120	ASSY PULLEY. TENSION	Kubota	1	2,970			FD	General store	C (Ohara)	Trial farm operation
02-072	Sep 2002	Parts for K120	COVER, TENSION	Kubota	1	70			FD	General store	C (Ohara)	Trial farm operation
02-073	Sep 2002	Parts for M5400DT	O-RING	Kubota	1	370			FD	General store	C (Ohara)	Trial farm operation
02-074	Sep 2002	Parts for M5400DT	O-RING	Kubota	1	180			FD	General store	C (Ohara)	Trial farm operation
02-075	Sep 2002	Parts for M5400DT	O-RING	Kubota	1	370			FD	General store	C (Ohara)	Trial farm operation
02-076	Sep 2002	Parts for M5400DT	SEAL	Kubota	1	2,520			FD	General store	C (Ohara)	Trial farm operation
02-077	Sep 2002	Parts for M5400DT	ASSY DISK, CLUTCH	Kubota	1	13,050			FD	General store	C (Ohara)	Trial farm operation
02-078	Sep 2002	Parts for M5400DT	ASSY CLUTCH, PTO	Kubota	1	43,020			FD	General store	C (Ohara)	Trial farm operation
02-079	Sep 2002	Parts for M5400DT	SHAFT, PTO 2	Kubota	1	8,000			FD	General store	C (Ohara)	Trial farm operation
02-080	Sep 2002	Parts for M5400DT	BUSH, STEERING	Kubota	1	480			FD	General store	C (Ohara)	Trial farm operation
02-081	Sep 2002	Parts for M5400DT	SEAL OIL	Kubota	1	1,800			FD	General store	C (Ohara)	Trial farm operation
02-082	Sep 2002	Parts for M5400DT	ASSY SEAL, MECHANICAL	Kubota	1	780			FD	General store	C (Ohara)	Trial farm operation
02-083	Sep 2002	Parts for KA 187T-3L	SEAL, OIL	Kobashi	1	4,480			FD	General store	C (Ohara)	Trial farm operation
02-084	Sep 2002	Parts for KA 187T-3L	WHEEL	Kobashi	1	20,700			FD	General store	C (Ohara)	Trial farm operation
02-085	Sep 2002	Parts for KA 187T-3L	CAP	Kobashi	1	700			FD	General store	C (Ohara)	Trial farm operation

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	Unit Price (Y)	Unit Price (Tsh.)	Unit Price (USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
02-086	Sep 2002	Parts for KA 187T-3L	STOP LINK	Kobashi	1	100			FD	General store	C (Ohara)	Trial farm operation
02-087	Sep 2002	Parts for KA 187T-3L	BEARING	Kobashi	1	940			FD	General store	C (Ohara)	Trial farm operation
02-088	Sep 2002	Parts for KA 187T-3L	SEAL, OIL	Kobashi	1	740			FD	General store	C (Ohara)	Trial farm operation
02-089	Sep 2002	Parts for MBP2218	GASKET	STAR	1	4,230			FD	General store	C (Ohara)	Trial farm operation
02-090	Sep 2002	Parts for MBP2218	CHAIN, SUPER	STAR	1	13,500			FD	General store	C (Ohara)	Trial farm operation
02-091	Sep 2002	Parts for MBP2218	BEARING	STAR	1	990			FD	General store	C (Ohara)	Trial farm operation
02-092	Sep 2002	Parts for HL2801B-3L	SUPPORT, ROD	Matsuyama	1	1,810			FD	General store	C (Ohara)	Trial farm operation
02-093	Sep 2002	Parts for HL2801B-3L	RUBBER, PLATE	Matsuyama	1	29,060			FD	General store	C (Ohara)	Trial farm operation
02-094	Sep 2002	Parts for HL2801B-3L	SIDE ARM R	Matsuyama	1	3,280			FD	General store	C (Ohara)	Trial farm operation
02-095	Sep 2002	Parts for HL2801B-3L	SIDE ARM L	Matsuyama	1	3,280			FD	General store	C (Ohara)	Trial farm operation
02-096	Sep 2002	Parts for HL2801B-3L	SEAL, OIL	Matsuyama	1	720			FD	General store	C (Ohara)	Trial farm operation
02-097	Sep 2002	Parts for HL2801B-3L	SEAL, OIL	Matsuyama	1	1,080			FD	General store	C (Ohara)	Trial farm operation
02-098	Sep 2002	Parts for HL2801B-3L	O-RING WASHER	Matsuyama	1	60			FD	General store	C (Ohara)	Trial farm operation
03-001	Sep 2003	Book	Neem: a tree for solving global problems	National Academy Press	1		31,694		Library	ditto	LG	Teaching note preparation
03-002	Sep 2003	Book	Beyond inequalities: women in southern Africa	SARDC	1		60,950		Library	ditto	LG	Teaching note preparation
03-003	Sep 2003	Book	Participatory learning and action: a trainers guide	IIED	1		46,322		Library	ditto	LG	Teaching note preparation
03-004	Sep 2003	Book	Options for regional integration in Southern Africa	IDS	1		30,475		Library	ditto	LG	Teaching note preparation
03-005	Sep 2003	Printer	Deskjet 5550	HP	2		220,000		1. Administration, 2. EFT	ditto	LR	Report and Teaching note preparation
03-006	Oct 2003	Digital Video Camera	DCR-PC101	Sony	1			1,320	IU/CDU	ditto	DL	Recording trainings
03-007	Oct 2003	Memory Stick	Memory Stick 128MB	Lexar Media	5			98	EFT, RC, FD, WM, CDU	ditto	DL	Recording trainings
03-008	Oct 2003	Video Capture Board	DCS-200	Dazzle	2			440	I.U	ditto	DL	Recording trainings
03-009	Oct 2003	Software	Publisher for Windows XP	Microsoft	1			220	IU/CDU	ditto	DL	Publication
03-010	Oct 2003	Software	Visio Standard for Windows XP	Microsoft	1			325	IU/CDU	ditto	DL	Report and Teaching note preparation
03-011	Oct 2003	Software	Premiere ver.6 for Windows XP	Adobe	1			980	IU/CDU	ditto	DL	Report and Teaching note preparation
03-012	Nov 2003	Software	Power Point 2003	Microsoft	1	25,000			Administration (Mr. Asai)	ditto	C(Mr. Asai)	Report and Teaching note preparation
03-013	Nov 2003	Computer (Laptop)	PRIUS	HITACHI	1	167,000			Administration (Mr. Asai)	ditto	C(Mr. Asai)	Report and Teaching note preparation
03-014	Feb 2004	Air conditioner			1		3,055,000		Library	ditto	DL	Cooling heavy duty photocopier
03-015	Feb 2004	Rotaly Mower			1			3,250	RC	General store	DL	Trial farm operation
03-016	Feb 2004	Batteries			5	450,000			FD	Workshop	DL	Trial farm operation
03-017	Feb 2004	Shear machine			2	740,000			FD	Workshop	DL	Farming tool fabrication
03-018	Feb 2004	Electric Hand Drill			2	661,000			FD	Workshop	DL	Farming tool fabrication
03-019	Feb 2004	Electric Grinder (Handy type)			1	250,000			FD	Workshop	DL	Farming tool fabrication
03-020	Feb 2004	Battery Charger			1	245,000			FD	Workshop	DL	Trial farm operation
03-021	Feb 2004	Circuit Tester			2	136,000			FD	General store	DL	Trial farm operation
03-022	Feb 2004	Torque Wrench			4	480,000			FD	General store	DL	Farming tool fabrication
03-023	March 2004	Photocopier	IR6000	Canon	1		27,273,750		Library	ditto	DL	Report and Teaching note preparation
03-024	Feb 2004	Software	MAPSEND CD-ROM		1	18,500			WM	ditto	C(Mr. Uno)	Survey
03-025	Feb 2004	PC cable with cigarette lighter adapter			3	16,800			WM	ditto	C(Mr. Uno)	Survey
03-026	Feb 2004	USB charge			3	14,500			WM	ditto	C(Mr. Uno)	Survey
03-027	Feb 2004	Rain Gauge	No.34-T		1	83,000			WM	ditto	C(Mr. Uno)	Survey

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	Unit Price (¥)	Unit Price (Tsh.)	Unit Price (USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
03-028	Feb 2004	Logger	AMENBHO RF-3		1	23,800			WM	ditto	C(Mr. Uno)	Survey
03-029	Feb 2004	Software	RF00S1		1	6,850			WM	ditto	C(Mr. Uno)	Survey
03-030	Feb 2004	Fax	KX-FP362BX	Panasonic	1		300,000		Administration (Moshi Office)	ditto	LG	Communication
03-031	Feb 2004	Reflectmeter	RQ Flex2		2	91,000			RC	Laboratory	D	Soil analysis
03-032	Feb 2004	Reflectquant	Iron test(×50)		4	4,560			RC	Laboratory	D	Soil analysis
03-033	Feb 2004	Reflectquant	pH test(×50)		10	4,560			RC	Laboratory	D	Soil analysis
03-034	Feb 2004	Reflectquant	Manganese test(×50)		4	7,980			RC	Laboratory	D	Soil analysis
03-035	Feb 2004	Reflectquant	Phosphate test(×50)		10	7,980			RC	Laboratory	D	Soil analysis
03-036	Feb 2004	Reflectquant	Potassium test(×50)		4	7,980			RC	Laboratory	D	Soil analysis
03-037	Feb 2004	Reflectquant	Ammonium test(×50)		10	7,980			RC	Laboratory	D	Soil analysis
03-038	Feb 2004	Reflectquant	Chlorine test(×50)		10	6,840			RC	Laboratory	D	Soil analysis
03-039	Feb 2004	Reflectquant	Nitrate test(×50)		4	4,560			RC	Laboratory	D	Soil analysis
03-040	Feb 2004	Reflectquant	Magnesium test(×50)		4	9,120			RC	Laboratory	D	Soil analysis
03-041	Feb 2004	Reflectquant	Calcium test(×50)		10	9,120			RC	Laboratory	D	Soil analysis
03-042	May 2004	Water Distillation	SE-5	Ikemoto	1	210,000			RC	Laboratory	D	Soil analysis
03-043	May 2004	Heater for water distiller			2	8,400			RC	Laboratory	D	Soil analysis
03-044	May 2004	Pump (Hand tractor driven)	KL-65H	KARUI	2	73,000			RC	General store	D	for practice session of training courses
03-045	May 2004	Special accessory for KL-65H	Hexagon nipple	KARUI	6	3,470			RC	General store	D	for practice session of training courses
03-046	May 2004	Special accessory for KL-65H	Elbor	KARUI	2	2,500			RC	General store	D	for practice session of training courses
03-047	May 2004	Special accessory for KL-65H	Hose cup ring	KARUI	4	3,900			RC	General store	D	for practice session of training courses
03-048	May 2004	Special accessory for KL-65H	Suction hose	KARUI	2	10,700			RC	General store	D	for practice session of training courses
03-049	May 2004	Special accessory for KL-65H	Hose band	KARUI	6	460			RC	General store	D	for practice session of training courses
03-050	May 2004	Special accessory for KL-65H	Straighter	KARUI	2	3,500			RC	General store	D	for practice session of training courses
03-051	May 2004	Spare parts for KL-65H	Mechanical seal	KARUI	2	5,700			RC	General store	D	for practice session of training courses
03-052	May 2004	Spare parts for KL-65H	Packing	KARUI	2	630			RC	General store	D	for practice session of training courses
03-053	May 2004	Spare parts for KL-65H	O-ring	KARUI	2	250			RC	General store	D	for practice session of training courses
03-054	May 2004	Spare parts for KL-65H	Impeller	KARUI	2	4,400			RC	General store	D	for practice session of training courses
03-055	May 2004	Spare parts for KL-65H	Bearing	KARUI	2	1,450			RC	General store	D	for practice session of training courses
03-056	May 2004	Spare parts for KL-65H	Pump shaft	KARUI	2	5,280			RC	General store	D	for practice session of training courses
03-057	May 2004	Spare parts for KL-65H	Pump case	KARUI	2	5,300			RC	General store	D	for practice session of training courses
03-058	May 2004	Rotary tiller	LX-1900NA	Niplo (Matsuyama)	1	500,000			FD	General store	D	Trial farm operation
03-059	May 2004	Blade for LX-1900NA	AS2LG	Niplo (Matsuyama)	22	1,820			FD	General store	D	Trial farm operation
03-060	May 2004	Blade for LX-1900NA	AS2RG	Niplo (Matsuyama)	22	1,820			FD	General store	D	Trial farm operation
03-061	May 2004	Spare parts for M5400DT	ASSY PUMP, OIL	Kubota	2	4,150			FD	General store	D	Trial farm operation
03-062	May 2004	Spare parts for M5400DT	GASKET, OIL PUMP	Kubota	2	50			FD	General store	D	Trial farm operation
03-063	May 2004	Spare parts for M5400DT	GLOW PLUG	Kubota	10	1,450			FD	General store	D	Trial farm operation
03-064	May 2004	Spare parts for M5400DT	PIECE, NOZZLE	Kubota	5	4,550			FD	General store	D	Trial farm operation
03-065	May 2004	Spare parts for M5400DT	SHAFT PTO	Kubota	4	5,400			FD	General store	D	Trial farm operation
03-066	May 2004	Spare parts for M5400DT	STUD	Kubota	16	540			FD	General store	D	Trial farm operation
03-067	May 2004	Spare parts for M5400DT	NUT	Kubota	16	250			FD	General store	D	Trial farm operation
03-068	May 2004	Spare parts for M5400DT	PLATE, FRICTION NA	Kubota	12	3,600			FD	General store	D	Trial farm operation
03-069	May 2004	Spare parts for M5400DT	PLATE	Kubota	8	1,700			FD	General store	D	Trial farm operation

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	(¥)	Unit Price (Tsh.)	(USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
03-070	May 2004	Spare parts for M5400DT	PLATE	Kubota	2	9,000			FD	General store	D	Trial farm operation
03-071	May 2004	Spare parts for M5400DT	PLATE	Kubota	2	9,000			FD	General store	D	Trial farm operation
03-072	May 2004	Spare parts for M5400DT	SEAL, OIL	Kubota	4	590			FD	General store	D	Trial farm operation
03-073	May 2004	Spare parts for M5400DT	BEARING, TAPER-ROLLER	Kubota	4	1,500			FD	General store	D	Trial farm operation
03-074	May 2004	Spare parts for M5400DT	BEARING, TAPER-ROLLER	Kubota	4	1,150			FD	General store	D	Trial farm operation
03-075	May 2004	Spare parts for M5400DT	COVER, DUST	Kubota	4	3,000			FD	General store	D	Trial farm operation
03-076	May 2004	Spare parts for M5400DT	HUB, FRONT AXLE	Kubota	2	10,600			FD	General store	D	Trial farm operation
03-077	May 2004	Spare parts for M5400DT	PROPELLER SHAFT 2	Kubota	2	6,400			FD	General store	D	Trial farm operation
03-078	May 2004	Spare parts for M5400DT	ASSY TIE ROD	Kubota	4	14,800			FD	General store	D	Trial farm operation
03-079	May 2004	Spare parts for M5400DT	END, TIE ROD	Kubota	4	5,450			FD	General store	D	Trial farm operation
03-080	May 2004	Spare parts for M5400DT	O RING	Kubota	4	210			FD	General store	D	Trial farm operation
03-081	May 2004	Spare parts for M5400DT	HYD. PUMP	Kubota	2	75,000			FD	General store	D	Trial farm operation
03-082	May 2004	Spare parts for M5400DT	FILTER	Kubota	4	2,300			FD	General store	D	Trial farm operation
03-083	May 2004	Spare parts for M5400DT	ASSY VALVE, SAFETY	Kubota	2	3,500			FD	General store	D	Trial farm operation
03-084	May 2004	Spare parts for M5400DT	ASSY VALVE	Kubota	2	19,100			FD	General store	D	Trial farm operation
03-085	May 2004	Spare parts for M5400DT	PISTON, HYD. CYLINDER	Kubota	2	9,550			FD	General store	D	Trial farm operation
03-086	May 2004	Spare parts for M5400DT	O RING	Kubota	2	160			FD	General store	D	Trial farm operation
03-087	May 2004	Spare parts for M5400DT	ROD, HYD. PISTON	Kubota	2	3,450			FD	General store	D	Trial farm operation
03-088	May 2004	Spare parts for M5400DT	O RING	Kubota	2	80			FD	General store	D	Trial farm operation
03-089	May 2004	Spare parts for M5400DT	VALVE, CONTROL	Kubota	2	26,000			FD	General store	D	Trial farm operation
03-090	May 2004	Spare parts for M5400DT	O RING	Kubota	2	910			FD	General store	D	Trial farm operation
03-091	May 2004	Spare parts for M5400DT	SEAL, OIL	Kubota	2	2,000			FD	General store	D	Trial farm operation
03-092	May 2004	Spare parts for M5400DT	ASSY SEAL, MECHANICAL	Kubota	2	870			FD	General store	D	Trial farm operation
03-093	May 2004	Spare parts for M5400DT	TUBE, FUEL	Kubota	2	240			FD	General store	D	Trial farm operation
03-094	May 2004	Spare parts for M5400DT	SEAL	Kubota	4	2,100			FD	General store	D	Trial farm operation
03-095	May 2004	Spare parts for M5400DT	SEAL, OIL	Kubota	2	540			FD	General store	D	Trial farm operation
03-096	May 2004	Spare parts for M5400DT	SLEEVE	Kubota	2	1,100			FD	General store	D	Trial farm operation
03-097	May 2004	Spare parts for M5400DT	BUSH	Kubota	8	900			FD	General store	D	Trial farm operation
03-098	May 2004	Spare parts for M5400DT	SEAL, OIL	Kubota	8	1,100			FD	General store	D	Trial farm operation
03-099	May 2004	Spare parts for M5400DT	SEAL, OIL	Kubota	8	1,600			FD	General store	D	Trial farm operation
03-100	May 2004	Spare parts for M5400DT	BEARING, BALL	Kubota	8	2,100			FD	General store	D	Trial farm operation
03-101	May 2004	Spare parts for M5400DT	BEARING, BALL	Kubota	8	2,050			FD	General store	D	Trial farm operation
03-102	May 2004	Spare parts for M5400DT	BEARING, BALL	Kubota	8	1,400			FD	General store	D	Trial farm operation
03-103	May 2004	Spare parts for M5400DT	BEARING, BALL	Kubota	2	590			FD	General store	D	Trial farm operation
03-104	May 2004	Spare parts for M5400DT	ASSY ALTERNATOR	Kubota	2	24,000			FD	General store	D	Trial farm operation
03-105	May 2004	Spare parts for M5400DT	ASSY DISC, CLUTCH	Kubota	4	14,000			FD	General store	D	Trial farm operation
03-106	May 2004	Spare parts for M5400DT	ASSY CLUTCH, PTO	Kubota	2	47,000			FD	General store	D	Trial farm operation
03-107	May 2004	Spare parts for M5400DT	O RING	Kubota	4	420			FD	General store	D	Trial farm operation
03-108	May 2004	Spare parts for M5400DT	SHAFT, STEERING	Kubota	2	3,800			FD	General store	D	Trial farm operation
03-109	May 2004	Spare parts for M5400DT	O RING	Kubota	4	420			FD	General store	D	Trial farm operation
03-110	May 2004	Spare parts for M5400DT	SEAL	Kubota	4	2,800			FD	General store	D	Trial farm operation
03-111	May 2004	Spare parts for M5400DT	BUSH, COLUMN	Kubota	2	540			FD	General store	D	Trial farm operation
03-112	May 2004	Spare parts for MBP-2218	LOCK WASHER	STAR	1	420			FD	General store	D	Trial farm operation
03-113	May 2004	Spare parts for MBP-2218	BOLT	STAR	8	170			FD	General store	D	Trial farm operation

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	(¥)	Unit Price (Tsh.)	(USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
03-114	May 2004	Spare parts for MBP-2218	BOLT	STAR	8	1500			FD	General store	D	Trial farm operation
03-115	May 2004	Spare parts for MBP-2218	BOLT	STAR	8	2000			FD	General store	D	Trial farm operation
03-116	May 2004	Spare parts for MBP-2218	BOLT	STAR	8	2000			FD	General store	D	Trial farm operation
03-117	May 2004	Spare parts for MBP-2218	GASKET	STAR	2	4,750			FD	General store	D	Trial farm operation
03-118	May 2004	Spare parts for MBP-2218	CHAIN, SUPER	STAR	2	15,200			FD	General store	D	Trial farm operation
03-119	May 2004	Spare parts for MBP-2218	BLADE ASSY	STAR	12	6,500			FD	General store	D	Trial farm operation
03-120	May 2004	Spare parts for MBP-2218	SQUARE NECK BOLT	STAR	96	300			FD	General store	D	Trial farm operation
03-121	May 2004	Spare parts for MBP-2218	COLTER DISK	STAR	1	20,300			FD	General store	D	Trial farm operation
03-122	May 2004	Spare parts for MBP-2218	BLADE ASSY	STAR	8	21,500			FD	General store	D	Trial farm operation
03-123	May 2004	Spare parts for MBP-2218	NUT	STAR	96	60			FD	General store	D	Trial farm operation
03-124	May 2004	Spare parts for MBP-2218	O RING	STAR	1	380			FD	General store	D	Trial farm operation
03-125	May 2004	Spare parts for MBP-2218	SEAL, OIL	STAR	2	660			FD	General store	D	Trial farm operation
03-126	May 2004	Spare parts for MBP-2218	UNIVERSAL JOINT	STAR	1	22,200			FD	General store	D	Trial farm operation
03-127	May 2004	Spare parts for MBP-2218	UNIVERSAL JOINT	STAR	1	22,200			FD	General store	D	Trial farm operation
03-128	May 2004	Spare parts for MBP-2218	BEARING	STAR	4	1,130			FD	General store	D	Trial farm operation
03-129	May 2004	Spare parts for MBP-2218	CHAIN, SUPER	STAR	1	15,200			FD	General store	D	Trial farm operation
03-130	May 2004	Spare parts for MBP-2218	CHAIN CASE	STAR	1	14,600			FD	General store	D	Trial farm operation
03-131	May 2004	Spare parts for KA187T-3L	SEAL, OIL	KOBASHI	3	6,000			FD	General store	D	Trial farm operation
03-132	May 2004	Spare parts for KA187T-3L	WHEEL	KOBASHI	1	23,100			FD	General store	D	Trial farm operation
03-133	May 2004	Spare parts for KA187T-3L	CAP	KOBASHI	3	780			FD	General store	D	Trial farm operation
03-134	May 2004	Spare parts for KA187T-3L	STOP LINK	KOBASHI	3	120			FD	General store	D	Trial farm operation
03-135	May 2004	Spare parts for KA187T-3L	BEARING	KOBASHI	3	1,050			FD	General store	D	Trial farm operation
03-136	May 2004	Spare parts for KA187T-3L	OIL SEAL	KOBASHI	4	830			FD	General store	D	Trial farm operation
03-137	May 2004	Spare parts for KA187T-3L	JOINT KUC - 80	KOBASHI	2	100,000			FD	General store	D	Trial farm operation
03-138	May 2004	Spare parts for K120	ASSY CLUTCH, MAIN	Kubota	5	24,000			FD	General store	D	Trial farm operation
03-139	May 2004	Spare parts for K120	COVER, CLUTCH PULLEY	Kubota	4	3,600			FD	General store	D	Trial farm operation
03-140	May 2004	Spare parts for K120	ASSY BRAKE	Kubota	4	3,850			FD	General store	D	Trial farm operation
03-141	May 2004	Spare parts for K120	ASSY PULLEY, TENSION	Kubota	5	6,100			FD	General store	D	Trial farm operation
03-142	May 2004	Spare parts for K120	CHAIN	Kubota	5	5,650			FD	General store	D	Trial farm operation
03-143	May 2004	Spare parts for K120	SEAL, OIL	Kubota	2	690			FD	General store	D	Trial farm operation
03-144	May 2004	Spare parts for K120	SEAL, OIL	Kubota	2	280			FD	General store	D	Trial farm operation
03-145	May 2004	Spare parts for K120	WHEEL. REAR	Kubota	2	5,100			FD	General store	D	Trial farm operation
03-146	May 2004	Spare parts for K120	SEAL, OIL	Kubota	5	230			FD	General store	D	Trial farm operation
03-147	May 2004	Spare parts for K120	SEAL, OIL	Kubota	5	160			FD	General store	D	Trial farm operation
03-148	May 2004	Spare parts for K120	AXLE	Kubota	4	8,000			FD	General store	D	Trial farm operation
03-149	May 2004	Spare parts for K120	HUB WHEEL	Kubota	4	3,500			FD	General store	D	Trial farm operation
03-150	May 2004	Spare parts for K120	SEAL, OIL	Kubota	4	1,750			FD	General store	D	Trial farm operation
03-151	May 2004	Spare parts for K120	SEAL, OIL	Kubota	5	200			FD	General store	D	Trial farm operation
03-152	May 2004	Spare parts for K120	WIRE, STEERING CLUTCH	Kubota	5	1,650			FD	General store	D	Trial farm operation
03-153	May 2004	Spare parts for K120	CHAIN	Kubota	5	5,650			FD	General store	D	Trial farm operation
03-154	May 2004	Spare parts for K120	TIGHTNER	Kubota	2	350			FD	General store	D	Trial farm operation
03-155	May 2004	Spare parts for K120	SEAL, OIL	Kubota	10	1,500			FD	General store	D	Trial farm operation
03-156	May 2004	Spare parts for K120	GRIP, REAR WHEEL	Kubota	4	960			FD	General store	D	Trial farm operation
03-157	May 2004	Spare parts for K120	HANDLE, R - WHEEL	Kubota	4	2,000			FD	General store	D	Trial farm operation

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	(Y)	Unit Price (Tsh.)	(USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
03-158	May 2004	Spare parts for K120	WASHER	Kubota	8	35			FD	General store	D	Trial farm operation
03-159	May 2004	Spare parts for K120	CIR CLIP, EXTERNAL COVER	Kubota	8	10			FD	General store	D	Trial farm operation
03-160	May 2004	Spare parts for K120	COVER	Kubota	4	810			FD	General store	D	Trial farm operation
03-161	May 2004	Spare parts for K120	BOLT	Kubota	16	20			FD	General store	D	Trial farm operation
03-162	May 2004	Spare parts for K120	GASKET	Kubota	4	25			FD	General store	D	Trial farm operation
03-163	May 2004	Spare parts for K120	CASE, BEVEL GEAR	Kubota	4	2,000			FD	General store	D	Trial farm operation
03-164	May 2004	Spare parts for K120	BOLT SET	Kubota	4	260			FD	General store	D	Trial farm operation
03-165	May 2004	Spare parts for K120	NUT	Kubota	4	15			FD	General store	D	Trial farm operation
03-166	May 2004	Spare parts for K120	COLLAR, THRUST	Kubota	4	90			FD	General store	D	Trial farm operation
03-167	May 2004	Spare parts for K120	GEAR, BEVEL	Kubota	4	2,700			FD	General store	D	Trial farm operation
03-168	May 2004	Spare parts for K120	PIN, SPRING	Kubota	8	20			FD	General store	D	Trial farm operation
03-169	May 2004	Spare parts for K120	GEAR, BEVEL	Kubota	4	3,000			FD	General store	D	Trial farm operation
03-170	May 2004	Spare parts for K120	ASSY WHEEL, SINGLE R	Kubota	2	19,000			FD	General store	D	Trial farm operation
03-171	May 2004	Spare parts for K120	ASSY PULLEY, TENSION	Kubota	5	3,300			FD	General store	D	Trial farm operation
03-172	May 2004	Spare parts for K120	COVER, (B). TEN-PULLEY	Kubota	5	80			FD	General store	D	Trial farm operation
03-173	Apr 2004	Double cabin truck	Mitsubishi		1			31,311	Transportation Unit	Workshop	DL	Travelling to model sites
04-001	July 2004	UPS	Deskrite range SDL500	Scott	1		85,000		IU/CDU	ditto	LG	General office use
04-002	Aug 2004	Computer (Laptop)	PC-LG17FWFGH	NEC	3	307,000			(1)RC (2)EFT (3) WM	ditto	C	Report and Teaching note preparation
04-003	Aug 2004	Software	Office XP professional 2003	Microsoft	3	60,000			(1)RC (2)EFT (3) WM	ditto	C	Report and Teaching note preparation
04-004	Aug 2004	Software	Norton Anti-Virus 2004(Japanese)	Symantec	3	57,000			(1)RC (2)EFT (3) WM	ditto	C	General office use
04-005	Aug 2004	Battery pack	PCF-AB6530	HITACHI	1	7,900			Administration (Mr. Asai)	ditto	C	Report and Teaching note preparation
04-006	Oct 2004	UPS	Back-UPS 650	APC	1		160,000		IU/CDU	ditto	LG	General office use
04-007	Oct 2004	Tonner cartridge kit for Laserwriter	Black (C4191A)	HP	5		700,000		IU/CDU	ditto	DL	Report and Teaching note preparation
04-008	Oct 2004	Tonner cartridge kit for Laserwriter	Cyan (C4192A)	HP	5		700,000		IU/CDU	ditto	DL	Report and Teaching note preparation
04-009	Oct 2004	Tonner cartridge kit for Laserwriter	Magenda (C4193A)	HP	5		700,000		IU/CDU	ditto	DL	Report and Teaching note preparation
04-010	Oct 2004	Tonner cartridge kit for Laserwriter	Yellow (C4194A)	HP	5		700,000		IU/CDU	ditto	DL	Report and Teaching note preparation
04-011	Oct 2004	Drum kit for HP Laserwriter 4550	C4195A	HP	5			180	IU/CDU	ditto	DL	Report and Teaching note preparation
04-012	Oct 2004	Fuser kit for HP Laserwriter 4550	C4198A	HP	1			340	IU/CDU	ditto	DL	Report and Teaching note preparation
04-013	Oct 2004	Transfer kit for HP Laserwriter 4550	C4196A	HP	1			550	IU/CDU	ditto	DL	Report and Teaching note preparation
04-014	Oct 2004	Plotter	Designjet 500 printer (42-inch model)	HP	1			4,100	Administration	Computer Room	DL	Report and Teaching note preparation
04-015	Oct 2004	Spare parts for Nissan patrol	Front shock absorber		12		102,000		Transportation Unit	General store	DL	Travelling to model sites
04-016	Oct 2004	Spare parts for Nissan patrol	Rear shock absorber		12		102,000		Transportation Unit	General store	DL	Travelling to model sites
04-017	Oct 2004	Spare parts for Nissan patrol	Frot brake pad		6		95,000		Transportation Unit	General store	DL	Travelling to model sites
04-018	Oct 2004	Spare parts for Nissan patrol	Rear brake shoe		6		86,000		Transportation Unit	General store	DL	Travelling to model sites
04-019	Oct 2004	Spare parts for Nissan patrol	Clutch cover		4		186,000		Transportation Unit	General store	DL	Travelling to model sites
04-020	Oct 2004	Spare parts for Nissan patrol	Clutch disk		4		108,000		Transportation Unit	General store	DL	Travelling to model sites
04-021	Oct 2004	Spare parts for Nissan patrol	Release bearing		4		35,000		Transportation Unit	General store	DL	Travelling to model sites
04-022	Oct 2004	Spare parts for Nissan patrol	Air cleaner element		4		38,000		Transportation Unit	General store	DL	Travelling to model sites
04-023	Oct 2004	Spare parts for Nissan patrol	Socket tie rod outer		4		68,000		Transportation Unit	General store	DL	Travelling to model sites

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04-024	Oct 2004	Spare parts for Nissan patrol	Socket tie rod inner		4		68,000		Transportation Unit	General store	DL	Travelling to model sites
04-025	Oct 2004	Spare parts for Nissan patrol	Oil filter		24		11,500		Transportation Unit	General store	DL	Travelling to model sites
04-026	Oct 2004	Spare parts for Nissan patrol	Clutch M/cyl repair		4		28,000		Transportation Unit	General store	DL	Travelling to model sites
04-027	Oct 2004	Spare parts for Nissan patrol	Brake m/cyl repair		4		75,000		Transportation Unit	General store	DL	Travelling to model sites
04-028	Oct 2004	Spare parts for Nissan patrol	Engine mounting		12		68,000		Transportation Unit	General store	DL	Travelling to model sites
04-029	Oct 2004	Spare parts for Nissan patrol	Gear mounting		12		68,000		Transportation Unit	General store	DL	Travelling to model sites
04-030	Oct 2004	Spare parts for Nissan patrol	Bush lower link		12		26,000		Transportation Unit	General store	DL	Travelling to model sites
04-031	Oct 2004	Spare parts for Nissan patrol	Stabilizer bush small		12		8,000		Transportation Unit	General store	DL	Travelling to model sites
04-032	Oct 2004	Spare parts for Nissan patrol	Rear stabilizer bush		12		1,500		Transportation Unit	General store	DL	Travelling to model sites
04-033	Oct 2004	Spare parts for Nissan patrol	Bush rear suspension		48		25,000		Transportation Unit	General store	DL	Travelling to model sites
04-034	Oct 2004	Spare parts for Nissan patrol	Front coil spring left		8		218,000		Transportation Unit	General store	DL	Travelling to model sites
04-035	Oct 2004	Spare parts for Nissan patrol	Front prop cross joint		8		68,000		Transportation Unit	General store	DL	Travelling to model sites
04-036	Oct 2004	Spare parts for Nissan patrol	Rear prop shaft cross joint		8		68,000		Transportation Unit	General store	DL	Travelling to model sites
04-037	Oct 2004	Spare parts for Nissan patrol	Rear M/cyl repair		4		24,000		Transportation Unit	General store	DL	Travelling to model sites
04-038	Oct 2004	Spare parts for Nissan patrol	Front wheel stud		24		3,500		Transportation Unit	General store	DL	Travelling to model sites
04-039	Oct 2004	Spare parts for Nissan patrol	Rear wheel stud		24		3,800		Transportation Unit	General store	DL	Travelling to model sites
04-040	Oct 2004	Spare parts for Nissan patrol	Front brake disc		12		138,000		Transportation Unit	General store	DL	Travelling to model sites
04-041	Oct 2004	Spare parts for Nissan patrol	Tie rod complete		4		298,000		Transportation Unit	General store	DL	Travelling to model sites
04-042	Oct 2004	Spare parts for Nissan patrol	Front coil spring right		8		218,000		Transportation Unit	General store	DL	Travelling to model sites
04-043	Oct 2004	Spare parts for Nissan patrol	Upper ball joint		8		345,000		Transportation Unit	General store	DL	Travelling to model sites
04-044	Oct 2004	Spare parts for Nissan patrol	Lower ball joint		8		365,000		Transportation Unit	General store	DL	Travelling to model sites
04-045	Oct 2004	Spare parts for Nissan patrol	Tension rod bush		8		29,800		Transportation Unit	General store	DL	Travelling to model sites
04-046	Oct 2004	Spare parts for Nissan patrol	Upper arm bush		4		38,000		Transportation Unit	General store	DL	Travelling to model sites
04-047	Oct 2004	Spare parts for Nissan patrol	Lower arm bush		4		16,000		Transportation Unit	General store	DL	Travelling to model sites
04-048	Oct 2004	Spare parts for Nissan patrol	Workshop manual		1		130,000		Transportation Unit	General store	DL	Travelling to model sites
04-049	Oct 2004	Spare parts for Toyota Land Cruiser	Piston kit brake (04493-60320)		1		42,000		Transportation Unit	General store	DL	Travelling to model sites
04-050	Oct 2004	Spare parts for Toyota Land Cruiser	Gasket kit engine (04111-17050)		1		168,000		Transportation Unit	General store	DL	Travelling to model sites
04-051	Oct 2004	Spare parts for Toyota Land Cruiser	Element kit (04234-68010)		4		12,000		Transportation Unit	General store	DL	Travelling to model sites
04-052	Oct 2004	Spare parts for Toyota Land Cruiser	Pad kit, disc brake (04465-60151)		2		52,000		Transportation Unit	General store	DL	Travelling to model sites
04-053	Oct 2004	Spare parts for Toyota Land Cruiser	Pad kit, disc brake (04466-60040)		2		52,000		Transportation Unit	General store	DL	Travelling to model sites
04-054	Oct 2004	Spare parts for Toyota Land Cruiser	Shoe kit brake RR (04495-60060)		2		58,000		Transportation Unit	General store	DL	Travelling to model sites
04-055	Oct 2004	Spare parts for Toyota Land Cruiser	Element sub assy (17801-67060)		4		38,000		Transportation Unit	General store	DL	Travelling to model sites
04-056	Oct 2004	Spare parts for Toyota Land Cruiser	Element assy fuel filter (23390-64480)		4		28,000		Transportation Unit	General store	DL	Travelling to model sites
04-057	Oct 2004	Spare parts for Toyota Land Cruiser	Discs assy clutch (31250-60282)		1		130,000		Transportation Unit	General store	DL	Travelling to model sites
04-058	Oct 2004	Spare parts for Toyota Land Cruiser	Absorber shock FR (48511-69436)		4		48,000		Transportation Unit	General store	DL	Travelling to model sites
04-059	Oct 2004	Spare parts for Toyota Land Cruiser	Absorber shock RR (48531-69536)		4		48,000		Transportation Unit	General store	DL	Travelling to model sites
04-060	Oct 2004	Spare parts for Toyota Land Cruiser	Bush (48815-26020)		2		28,000		Transportation Unit	General store	DL	Travelling to model sites
04-061	Oct 2004	Spare parts for Toyota Land Cruiser	Bush stabilizer (48815-60160)		2		13,000		Transportation Unit	General store	DL	Travelling to model sites

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	Unit Price (¥)	Unit Price (Tsh.)	Unit Price (USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
04-062	Oct 2004	Spare parts for Toyota Land Cruiser	Filter oil (90915-30002)		6		24,000		Transportation Unit	General store	DL	Travelling to model sites
04-063	Oct 2004	Tyre and tubes for Toyota Land cruiser		Yokohama	5		275,000		Transportation Unit	General store	DL	Travelling to model sites
04-064	Oct 2004	Disk cutter			1		250,000		FD	Workshop	DL	Farming tool fabrication
04-065	Oct 2004	Rice huller	SB-10		2		1,300,000		FD	Workshop	DL	Farming tool fabrication
04-066	Oct 2004	Desk top computer		Dell	2			1,600	IU/CDU	IU/CDU	DL	Report and Teaching note preparation
04-067	Nov 2004	Card reader/writer	8 in 1 USB1.1		6		70,000		RC, FD, WM, EFT, IU, Admin	RC, FD, WM, EFT, IU, Admin	LG	Report and Teaching note preparation
04-068	Jan 2005	GRAIN PACK	MOMI-PACK with FASTNER	KUBOTA	100	315			RC	General store	D	Trial farm operation
04-069	Jan 2005	POWER TILLER	K120 MAIN UNIT	KUBOTA	5	710,000			FD	Workshop	D	Trial farm operation
04-070	Jan 2005	OPTIONAL ACCESSORY for K120	MODEL; DZ-2B-2 S/NO.2674/2675/2676/2677/2678	KUBOTA	5	247,000			FD	Workshop	D	Trial farm operation
04-071	Jan 2005	WORKSHOP MANUAL for K120		KUBOTA	3	3,000			FD	Workshop	D	Trial farm operation
04-072	Jan 2005	WORKSHOP MANUAL for RK125		KUBOTA	5	3,000			FD	Workshop	D	Trial farm operation
04-073	Jan 2005	OPTIONAL ACCESSORY for K120	PADDY WHEEL	KUBOTA	5	125,000			FD	Workshop	D	Trial farm operation
04-074	Jan 2005	OPTIONAL ACCESSORY for K120	CAGE WHEEL	KUBOTA	5	57,000			FD	Workshop	D	Trial farm operation
04-075	Jan 2005	PARTS for K120	63891-3000 ASSY CLUTCH	KUBOTA	6	41,000			FD	General store	D	Trial farm operation
04-076	Jan 2005	PARTS for K120	09500-15247 SEAL, OIL	KUBOTA	6	160			FD	General store	D	Trial farm operation
04-077	Jan 2005	PARTS for K120	63681 - 17170 SEAL, OIL	KUBOTA	12	1,750			FD	General store	D	Trial farm operation
04-078	Jan 2005	PARTS for K120	63891 - 21240 BUSH, OIL SEAL	KUBOTA	6	260			FD	General store	D	Trial farm operation
04-079	Jan 2005	PARTS for K120	09400 - 30488 SEAL, OIL	KUBOTA	6	200			FD	General store	D	Trial farm operation
04-080	Jan 2005	PARTS for K120	6389 1 - 22000 ASSY BRAKE	KUBOTA	6	8,100			FD	General store	D	Trial farm operation
04-081	Jan 2005	PARTS for K120	63164 - 42310 WIRE, MAIN CLUTCH	KUBOTA	6	1,650			FD	General store	D	Trial farm operation
04-082	Jan 2005	PARTS for K120	63164 - 42110 LEVER, SPEED	KUBOTA	6	2,100			FD	General store	D	Trial farm operation
04-083	Jan 2005	PARTS for K120	63164 - 42490 WIRE, STEERING CLUTCH	KUBOTA	6	1,650			FD	General store	D	Trial farm operation
04-084	Jan 2005	PARTS for K120	6389 1-52200 ASSY PULLEY, TENSION	KUBOTA	6	6,100			FD	General store	D	Trial farm operation
04-085	Jan 2005	PARTS for K120	63164 -31220 CHAIN	KUBOTA	3	6,650			FD	General store	D	Trial farm operation
04-086	Jan 2005	PARTS for K120	09400 - 30488 SEAL, OIL	KUBOTA	3	200			FD	General store	D	Trial farm operation
04-087	Jan 2005	PARTS for K120	6389 1- 21240 BUSH, OIL SEAL	KUBOTA	3	260			FD	General store	D	Trial farm operation
04-088	Jan 2005	PARTS for K120	63154 -34630 BOLT, ROTARY	KUBOTA	12	830			FD	General store	D	Trial farm operation
04-089	Jan 2005	PARTS for K120	63763 - 48310 ASSY FLAP, MAIN	KUBOTA	6	2,100			FD	General store	D	Trial farm operation
04-090	Jan 2005	PARTS for K120	63763 -34350 RETAINER, FLAP	KUBOTA	6	450			FD	General store	D	Trial farm operation
04-091	Jan 2005	PARTS for K120	04512 -60060 WASHER, SPRING	KUBOTA	72	5			FD	General store	D	Trial farm operation
04-092	Jan 2005	PARTS for K120	02014 - 50060 NUT	KUBOTA	72	10			FD	General store	D	Trial farm operation
04-093	Jan 2005	PARTS for K120	03014 - 50614 SCREW, PAN HEAD	KUBOTA	72	5			FD	General store	D	Trial farm operation
04-094	Jan 2005	PARTS for K120	63763 - 48320 FLAP LH	KUBOTA	6	1,150			FD	General store	D	Trial farm operation
04-095	Jan 2005	PARTS for K120	63763 - 48330 FLAP RH	KUBOTA	6	1,150			FD	General store	D	Trial farm operation
04-096	Jan 2005	PARTS for K120	63763 -34360 RETAINER, FLAP LH	KUBOTA	6	440			FD	General store	D	Trial farm operation
04-097	Jan 2005	PARTS for K120	63763 -34370 RETAINER, FLAP RH	KUBOTA	6	440			FD	General store	D	Trial farm operation
04-098	Jan 2005	PARTS for K120	63763 -35010 ASSY WHEEL, REAR	KUBOTA	6	24,500			FD	General store	D	Trial farm operation
04-099	Jan 2005	PARTS for K120	1N172 -04130 GASKET, GEAR CASE NA	KUBOTA	3	440			FD	General store	D	Trial farm operation
04-100	Jan 2005	PARTS for K120	11171 - 04100 COMP CASE, MAIN BEARING	KUBOTA	3	5,400			FD	General store	D	Trial farm operation

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	Unit Price (¥)	Unit Price (Tsh.)	Unit Price (USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
04-101	Jan 2005	PARTS for K120	11251 - 43010 ASSY FILTER, FUEL	KUBOTA	3	1,650			FD	General store	D	Trial farm operation
04-102	Jan 2005	PARTS for K120	14911 - 35450 O RING	KUBOTA	6	300			FD	General store	D	Trial farm operation
04-103	Jan 2005	PARTS for K120	11151 - 35400 ASSY ROTOR, OIL PUMP	KUBOTA	6	2,050			FD	General store	D	Trial farm operation
04-104	Jan 2005	PARTS for K120	19374 - 11010 ASSY CLEANER, AIR	KUBOTA	6	8,000			FD	General store	D	Trial farm operation
04-105	Jan 2005	PARTS for K120	14921 - 13110 VALVE, INLET	KUBOTA	6	790			FD	General store	D	Trial farm operation
04-106	Jan 2005	PARTS for K120	11171-13120 VALVE, EXHAUST	KUBOTA	6	1,200			FD	General store	D	Trial farm operation
04-107	Jan 2005	PARTS for K120	11171-16150 SHAFT, CAM	KUBOTA	6	7,600			FD	General store	D	Trial farm operation
04-108	Jan 2005	PARTS for K120	11171- 21050 ASSY RING, PISTON	KUBOTA	6	2,200			FD	General store	D	Trial farm operation
04-109	Jan 2005	PARTS for K120	14921- 21310 PIN, PISTON	KUBOTA	6	1,050			FD	General store	D	Trial farm operation
04-110	Jan 2005	PARTS for K120	11171- 21110 PISTON	KUBOTA	6	4,100			FD	General store	D	Trial farm operation
04-111	Jan 2005	PARTS for K120	14921- 21330 CLIP, INTERNAL	KUBOTA	12	40			FD	General store	D	Trial farm operation
04-112	Jan 2005	PARTS for K120	11164 -22010 ASSY CONNECTING ROD	KUBOTA	6	13,300			FD	General store	D	Trial farm operation
04-113	Jan 2005	PARTS for K120	11171-23460 BEARING, CYL.ROLLER	KUBOTA	6	4,800			FD	General store	D	Trial farm operation
04-114	Jan 2005	PARTS for K120	11171- 23050 COMP, CRANKSHAFT	KUBOTA	6	25,800			FD	General store	D	Trial farm operation
04-115	Jan 2005	PARTS for M5400DT	R2401- 42280 ELEMENT, INNER	KUBOTA	8	4,200			FD	General store	D	Trial farm operation
04-116	Jan 2005	PARTS for M5400DT	R1401 - 42270 ELEMENT, OUTER	KUBOTA	8	5,700			FD	General store	D	Trial farm operation
04-117	Jan 2005	PARTS for M5400DT	3A011 - 04113 TANK, FUEL	KUBOTA	4	31,800			FD	General store	D	Trial farm operation
04-118	Jan 2005	PARTS for M5400DT	15521 - 43015 ASSY FUEL FILTER	KUBOTA	8	2,700			FD	General store	D	Trial farm operation
04-119	Jan 2005	PARTS for M5400DT	10070 - 42610 ASSY TUBE 1, FUEL	KUBOTA	4	540			FD	General store	D	Trial farm operation
04-120	Jan 2005	PARTS for M5400DT	35533 - 77350 ASSY CASE, FUSE	KUBOTA	2	740			FD	General store	D	Trial farm operation
04-121	Jan 2005	PARTS for M5400DT	35593 - 77342 ASSY BOX, FUSE	KUBOTA	2	1,300			FD	General store	D	Trial farm operation
04-122	Jan 2005	PARTS for M5400DT	3A011- 25 110 ASSY COVER, CLUTCH	KUBOTA	2	26,600			FD	General store	D	Trial farm operation
04-123	Jan 2005	PARTS for M5400DT	3A272 - 25130 ASSY DISK, CLUTCH	KUBOTA	2	27,000			FD	General store	D	Trial farm operation
04-124	Jan 2005	PARTS for M5400DT	32590 -14720 FORK, CLUTCH RELEASE	KUBOTA	2	2,700			FD	General store	D	Trial farm operation
04-125	Jan 2005	PARTS for M5400DT	3A011 - 26310 HUB, CLUTCH	KUBOTA	2	3,850			FD	General store	D	Trial farm operation
04-126	Jan 2005	PARTS for M5400DT	TAO40 -20700 BEARING, THRUST BALL	KUBOTA	2	2,500			FD	General store	D	Trial farm operation
04-127	Jan 2005	PARTS for M5400DT	3A011 - 26250 ASSY ROD, CLUTCH	KUBOTA	2	2,350			FD	General store	D	Trial farm operation
04-128	Jan 2005	PARTS for M5400DT	3A011- 24650 SEAL, OIL	KUBOTA	2	270			FD	General store	D	Trial farm operation
04-129	Jan 2005	PARTS for M5400DT	08101 - 06011 BEARING, BALL	KUBOTA	4	1,750			FD	General store	D	Trial farm operation
04-130	Jan 2005	PARTS for M5400DT	3A011-28090 GEAR, SHAFT 21	KUBOTA	2	28,600			FD	General store	D	Trial farm operation
04-131	Jan 2005	PARTS for M5400DT	3A011 - 28210 GEAR 19 - D	KUBOTA	2	6,900			FD	General store	D	Trial farm operation
04-132	Jan 2005	PARTS for M5400DT	3A011 - 34323 GEAR 35 - B1	KUBOTA	2	6,400			FD	General store	D	Trial farm operation
04-133	Jan 2005	PARTS for M5400DT	3A011 - 28230 GEAR 25 - 3D	KUBOTA	2	4,800			FD	General store	D	Trial farm operation
04-134	Jan 2005	PARTS for M5400DT	3A011 - 28220 GEAR 20 - 2D	KUBOTA	2	6,000			FD	General store	D	Trial farm operation
04-135	Jan 2005	PARTS for M5400DT	3A011 - 30280 GEAR 34 - L	KUBOTA	2	21,200			FD	General store	D	Trial farm operation
04-136	Jan 2005	PARTS for M5400DT	09500 - 00023 SEAL, OIL	KUBOTA	2	290			FD	General store	D	Trial farm operation
04-137	Jan 2005	PARTS for M5400DT	3A011 - 28114 GEAR - SHAFT 2	KUBOTA	2	42,400			FD	General store	D	Trial farm operation
04-138	Jan 2005	PARTS for M5400DT	08511 - 02520 BUSH	KUBOTA	2	170			FD	General store	D	Trial farm operation
04-139	Jan 2005	PARTS for M5400DT	3A031 - 25610 SHAFT, PTO	KUBOTA	2	11,600			FD	General store	D	Trial farm operation
04-140	Jan 2005	PARTS for M5400DT	3A011-25640 BEARING, NEEDLE ROLL	KUBOTA	2	690			FD	General store	D	Trial farm operation
04-141	Jan 2005	PARTS for M5400DT	38430 - 21550 CIR - CLIP, EXTERNAL	KUBOTA	4	250			FD	General store	D	Trial farm operation
04-142	Jan 2005	PARTS for M5400DT	3A011 - 27003 ASSY CLUTCH, PTO	KUBOTA	2	47,800			FD	General store	D	Trial farm operation
04-143	Jan 2005	PARTS for M5400DT	3A011 - 27400 ASSY VALVE, PTO	KUBOTA	2	42,400			FD	General store	D	Trial farm operation

JICA No.	Delivered	Name	Model (Title)	Maker	Qty. Acquired	Unit Price (¥)	Unit Price (Tsh.)	Unit Price (USD)	Section in Charge	Place to store	Means of Purchase*	Purpose
04-144	Jan 2005	PARTS for M5400DT	3A013 - 80141 SHAFT_PTO	KUBOTA	2	6,400			FD	General store	D	Trial farm operation
04-145	Jan 2005	PARTS for M5400DT	3A011- 31430 LEVER 2. SHIFT	KUBOTA	2	1,900			FD	General store	D	Trial farm operation
04-146	Jan 2005	PARTS for M5400DT	3A011- 32400 ASSY GEAR, BEVEL	KUBOTA	2	69,000			FD	General store	D	Trial farm operation
04-147	Jan 2005	PARTS for M5400DT	3A011- 32204 ASSY DIFFERENTIAL	KUBOTA	2	56,000			FD	General store	D	Trial farm operation
04-148	Jan 2005	PARTS for M5400DT	37300 - 28170 PIN, STRAIGHT	KUBOTA	4	120			FD	General store	D	Trial farm operation
04-149	Jan 2005	PARTS for M5400DT	32530 - 28280 PLATE, FRICTION NA	KUBOTA	12	3,600			FD	General store	D	Trial farm operation
04-150	Jan 2005	PARTS for M5400DT	36330 - 65130 PLATE	KUBOTA	8	1,700			FD	General store	D	Trial farm operation
04-151	Jan 2005	PARTS for M5400DT	3A011 - 65140 PLATE	KUBOTA	2	9,000			FD	General store	D	Trial farm operation
04-152	Jan 2005	PARTS for M5400DT	3A011-65150 PLATE	KUBOTA	2	9,000			FD	General store	D	Trial farm operation
04-153	Jan 2005	PARTS for M5400DT	04811- 51200 0 RING	KUBOTA	4	250			FD	General store	D	Trial farm operation
04-154	Jan 2005	PARTS for M5400DT	3A031- 82200 HYD. PUMP	KUBOTA	2	77,400			FD	General store	D	Trial farm operation
04-155	Jan 2005	PARTS for M5400DT	31351 - 37800 ASSY VALVE, SAFETY	KUBOTA	2	3,500			FD	General store	D	Trial farm operation
04-156	Jan 2005	PARTS for M5400DT	3A011 - 82570 PISTON, FIYD	KUBOTA	2	9,550			FD	General store	D	Trial farm operation
04-157	Jan 2005	PARTS for M5400DT	04810 - 00800 0 RING	KUBOTA	4	160			FD	General store	D	Trial farm operation
04-158	Jan 2005	PARTS for ROTARY, KA187T	544 - 0189 SHIELD COVER	KOBASHI	1	125,000			FD	General store	D	Trial farm operation
04-159	Jan 2005	PARTS for ROTARY, KA187T	010 - 0942 JOINT KUC - 80	KOBASHI	2	107,200			FD	General store	D	Trial farm operation
04-160	March 2005	Shoulder megaphone	AHUJA AM-21S		6	105,000			IU/CDU	ditto	DL	General training use
04-161	March 2005	Laptop computer	Evo N620	Compaq	1	1,870,000			IU/CDU	ditto	LG	Report and Teaching note preparation
04-162	March 2005	Submersible pump	SP46-5	Grundfos	2	6,727,000			WM	Pump house	DL	Trial farm operation
04-162	March 2005	Accessories for SP46-5	Contol panel, Drop cable, Electrode cable, Splicing kit (Lumpsum)		1	2,503,600			WM	Pump house	DL	Trial farm operation
04-163	Jan 2005	UPS	650VA	APC	2	300,000			RC, Library	ditto	DL	General office use
04-164	Jan 2005	Stabilizer/Regulator (3000VA)	IJKO-3000W	IEKO	1	100,000			IU/CDU	Computer Room	DL	General office use
04-165	Jan 2005	Stabilizer/Regulator (1500VA)	AVR-1500W	STAC	5	50,000			Library, Lecture room, RC, FD, IU/CDU	ditto	DL	General office use
05-001	June 2005	Vehicle	Patrol STK 1570, 1571, 1572	Nissan	3	37,191,000			Transportation Unit	Workshp	DL	Travelling to model sites
05-002	June 2005	Wireless amplifier and microphone set	PW-W91	Victor	3	166,600			IU/CDU	ditto	D	General training use
05-003	June 2005	Flip chart stand	BB-GT32W4W4FC	KOKUYO	3	50,150			IU/CDU	General store	D	General training use
05-004	June 2005	White board	W1800 x H900		6	28,860			IU/CDU	ditto	D	General office use
05-005	July 2005	Record sheet of heliograph	SR-7	Ota Keiki	2	2,900			WM	ditto	C (Ota)	Metrological Survey
05-006	July 2005	Record sheet of thermometer	10710-7	Isuzu Seisakusyo	2	2,450			WM	ditto	C (Ota)	Metrological Survey
05-007	July 2005	Record sheet of hygrometer	HR-1	Ota Keiki	2	1,350			WM	ditto	C (Ota)	Metrological Survey
05-008	Sep 2005	AC adoptor	PA3283U-1ACA	Toshiba	1	275,988			EFT	ditto	LG	Report and Teaching note preparation
05-009	Sep 2005	AC adoptor	SYS2011-6019 (HITACH Prius compatible)	SUNNY	1	220,800			Admn (Coordinator)	ditto	LG	Report and Teaching note preparation
05-010	Oct 2005	Mother board	MSCLE266-F	MATSONI C	1			500	Admn	ditto Installed in old PC (98-030)	DL	Report and Teaching note preparation
05-011	Oct 2005	Digital Camera	A400	Sony	1			335	IU/CDU	ditto	DL	Recording trainings
05-012	Oct 2005	Slide projector		Kindeman	1	450,000			IU/CDU	ditto	DL	General training use
05-013	Oct 2005	Laser printer	HP1320	HP	3	444,600			Admn(x2), IU/CDU	ditto	DL	Report and Teaching note preparation
05-014	Oct 2005	OHP	Overhead Projector 1700	3M	2	330,000			IU/CDU	ditto	DL	General training use
05-015	Oct 2005	Multi media projector	PLC-SW30	SANYO	1	1,025,000			IU/CDU	ditto	DL	General office use
05-016	Oct 2005	Unit cabinet			1	240,000			IU/CDU(Library)	Library	DL	Storage document

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05-017	Jan 2006	External Hard Disk			1	200,000			IU/CDU	ICDU	LG	Recording trainings and other
05-018	March 2006	Trolley(Hand cart)			1	220,000			IU/CDU	Library	LG	Storage document
05-019	March 2006	Mother board	AZRL54005243	Intel	1	118,750			RC	RC	LG	Teaching note preparation
		DDR Memory	dd-6176		1	43,750			RC	RC		
		CPU FAN			1	12,500			RC	RC		
		Desktop Casing			1	30,000			RC	RC		
05-020	March 2006	Heavy duty book binding			1	750,000			IU/CDU	Library	DL, LG	Storage document
05-021	March 2006	Stepdown transformer			1		2,950		Academic Dept	Milling	LG	Regulate power frustration
05-022	Feb 2006	Satellite Internet System with voice appliance	DW7000	HUGHES	1				Academic Dept	Computer Room	LG	Communication
05-023	Feb 2006	Tyre	750/16	Bridgestone	32	245,000			Transportation Unit	General store	CL	Travelling to model sites
05-024	Feb 2006	Tyre tube	750/16		61	35,000			Transportation Unit	General store	CL	Travelling to model sites

Annex 10 Achievement level of each Output

(1) Output 1: *The concept of and approach to the model sites are established (based on the agreement of all the stakeholders).*

Verifiable Indicators	Results (as of April 2006)
By the end of August, 2002, six (6) model sites are selected on the basis of the criteria.	The concept and approach to the model sites have been established (based on the agreement of all the stakeholders) and six model sites have been selected. In additions, concept of modified training was agreed in 3rd Steering Committee. Three sites from Manyara Irrigation Zone are selected as follows; Mkombozi (Babati District), Muungano (Babati District) and Lemkuna (Simanjiro District)

(2) Output 2: *The capability of KATC in identifying training needs is improved.*

Verifiable Indicators	Results (as of April 2006)
2-1 At the beginning of every training course, more than 90% of course participants agree with the course contents as relevant to their needs.	In Residential training, the questionnaire was conducted to grasp the farmers' needs. On the other hand, regarding to In-field training, the "percentage of participants satisfied with the training contents" has stopped being counted because contents have been confirmed with all participants beforehand.
2-2 In more than 80% of training courses, more than 80% of training participants rank A or B in questionnaire. (Evaluation will be done by 5-graded form (A:Excellent, Beverly Good, C:Good, D:Fair or Satisfactory, E:Poor))	All trainings were evaluated A or B by the participants in model sites. The data of some training were not applicable because of lacking of the data or indicating summary in the reports in word not in figures.

Table: The percentage of the participant who marked A or B

Scheme	FIRST SEASON				SECOND SEASON				
	1 st	2 nd	3 rd	4 th (Eva)	1 st	2 nd	3 rd	4 th	5 th (Eva)
Nakahuga	99.6	99.3	99.6	99.3	99.9	99.8	99.7	n.a*1	n.d*2
Mombo	99.9	99.9	n.a	n.d	99.9	99.6	99.8	100.0	n.d
Mbuyuni	97.6	96.5	n.a	n.d	99.2	97.6	100.0	98.3	n.d
Mwega	99.8	99.9	99.7	n.d	98.6	99.3	99.3	99.9	n.d
Mwamapuli	n.a	97.8	98.2	n.d	97.8	97.8	99.9	98.5	n.d
Nduguti	n.a	n.a	n.d	n.d	97.8	98.2	n.d	n.d	n.d

n.a*1: Not applicable

n.d*2: Not done

The 4th in 1st season and 5th in 2nd season were the training for evaluation of the previous trainings so daily evaluation was not done except in Nakahuga.

(3) Output 3: *Technical training program are strengthened to meet local needs.*

Verifiable Indicators	Results (as of April 2006)
3-1 By 2005, 80% of Key Farmers adopt at least 80% of basic field techniques learnt and 80% of	<u>Result of 1st season</u> Mbuyuni : KF 80% IF 100% Mombo: KF 94% IF 100%

Intermediate Farmers adopt at least one basic field technique learnt. (for the items of basic field techniques)	Mwamapuli: KF 50% IF 99% Mwega: KF 89% IF 100% Nakahuga : KF 94% IF 100% Nduguti : N/A <u>Result of 2nd season</u> Mbuyuni: KF 80% IF 99% Mombo: KF100 % IF100 % Mwamapuli: KF90 % IF 100% Mwega: KF 85% IF 99% Nakahuga : KF94 % IF100 % Nduguti : N/A This indicator has been achieved except Nduguti site.
3-2 By 2005, technical standards on rice cultivation are established in all model sites through field trial activities conducted by field personnel and key farmers. (for the items of technical standards)	The trial data for 1 st and 2 nd seasons was inputted in the data base. The schedule for the preparation of the technical standard has just been set. Demo-trial results from each model site have been summarized. 1st draft of the technical standard will be ready by the end of May 2006 and final version will be completed as soon as possible.
3-3 By 2005, the final versions of technical manuals for each model site is prepared based on local needs.	The contents/ framework of the technical handbook has been established. The necessary information and materials have been collected from model sites. The 1st draft of the manual is under preparation and final version will be completed as soon as possible.
3-4 Modified field training programme(s), which encourage districts to adopt KATC trainings as an implementation tool of their DADP, are developed.	Three schemes such as Mkombozi(Also known as Gichamedia), Muungano (Also known as Mawemairo) and Lemkuna have been selected. In-Field trainings at Land preparation and Transplanting stages have been conducted at each site. The training at Harvesting stages has been also conducted at Mkombozi and Muungano, and it will be conducted on June at Lemkuna. Key farmers course for Lemkuna has been conducted.

(4) Output 4: Training program for improving institutional framework of irrigation scheme is strengthened.

Verifiable Indicators	Results (as of April 2006)
4-1 Implementation plan (IP) for each model site is prepared, implemented, and revised based on the implementation result jointly by district, scheme, zonal irrigation office and KATC, with the special emphasis on cost sharing.	IP was prepared and agreed with the stakeholders in Feb 2003.
4-2 By 2005, farm operation calendars and plans are prepared, carried out and evaluated by managing personnel, key farmers and intermediate farmers in each model site. (Farm operation calendars and plans include; farm operation, water distribution plan, canal maintenance and management plan, and organizational activity plan.)	Farm operation calendars for each model site except Nduguti are made.

<p>4-3 By 2005, active membership of irrigators' association/cooperative societies in each model site increase compared to 2002. ("Active members" are paying membership fee and participating O&M activities.)</p>	<p>This indicator has been achieved in each model site except Nduguti.</p> <p>The number of irrigators' association/cooperative has increased in each model site. (2003→2004→2005)</p> <p>Mbuyuni :868 → 868 → 875 Mombo :180 → 190 → 300 Mwamapuli :885 → 885 → 893 Mwega :671 → 702 → 732 Nakahuga : 68 → 100 → 125 Ndugiti :N/A</p> <p>Attempted to collect the number of farmers who had participated in O&M activities, but the schemes did not keep the record, so it failed to collect them.</p> <p>The number of members who paid membership fee has increased in each model site.(2003→2004→2005)</p> <p>Mbuyuni :471 → 484 → 501 Mombo :180 → 190 → 300 Mwamapuli :798 → 787 → 820 Mwega :671 → 702 → 732 Nakahuga : 50→100 → 121 Ndugiti :N/A</p>
<p>4-4 The manual/guide for strengthening institutional framework is prepared by the end of the project.</p>	<p>The 1st draft of the guideline for strengthening water user association is ready, and final version will be completed as soon as possible in Swahili and English version.</p>

(5) Output 5: The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.

Verifiable Indicators	Results (as of April 2006)
<p>5-1 By 2006, library database and classified information database are established.</p>	<p>Database establishment is under process. Regulation, Workflow and Manuals for information management are prepared, authorized and effected, under which following system are approved;</p> <ul style="list-style-type: none"> - Training output database - Training information database
<p>5-2 By 2006, four Kiswahili & two English newsletters in a year and annual technical progress reports are prepared, and web-site of KATC is established and revised on monthly basis.</p>	<p>So far 5 newsletters in Swahili and 3 in English have been issued. Web site of KATC was established. At the same time, it has been established the information & management system on preparation of advertising material and the publication assisted by short-term expert.</p>

(6) Output 6: The concept and approach to mainstream gender into plan, implement and monitor technical training on irrigated rice production are established.

Verifiable Indicators	Results (as of April 2006)
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6-1 Project activities are implemented according to the gender checklist based on Plan of Operation.	Gender training needs was identified in Oct 2002.				
6-2 Through the project period, the percentage of women participants in Key Farmers course and in-field training is more than 45% by considering gender needs in model sites.	(1 st season)	<u>KF</u>	<u>IF</u>	<u>OF</u>	<u>Total</u>
	Mbuyuni	52%	45%	51%	48%
	Mombo	50%	59%	46%	54%
	Mwega	53%	43%	44%	46%
	Mwamapuli	50%	42%	36%	44%
	Nakahuga	49%	49%	44%	48%
	Nduguti	40%	53%	N/A	47%
	Grand Total	48%			
	(2 nd season)				
	Mbuyuni	50%	40%	34%	41%
	Mombo	48%	57%	58%	56%
	Mwega	51%	42%	47%	45%
	Mwamapuli	51%	38%	33%	38%
	Nakahuga	48%	47%	49%	48%
Nduguti	45%	47%	50%	47%	
Grand Total	46%				
6-3 By 2006, at least one specialized subject training based on Gender needs is conducted for and the activity is adopted in each model site.	Gender specific trainings (Mkombozi fuel saving stove, Family budgeting) were conducted in Oct 2004 (Mbuyuni), Nov 2004 (Mwamapuli and Nduguti), Dec 2004 (Mwega) and Jan 2005 (Mombo and Nakahuga).				

(7) Project Purpose Level

Verifiable indicators at the Project Purpose level have been fulfilled as follows, at the time of terminal Evaluation Study.

Project Purpose: Productivity of rice increases in the model sites through the KATC's training.

Verifiable Indicators	1. Average rice yield per unit area of sample farmers in model sites increase by 12-43% by 2005 compared to 2002.
Results (as of April 2006)	
In every model site except Nduguti, yield per unit area has exceeded.	
<u>Yield of 2nd season</u>	
Mbuyuni	: 3.56 t/ha (87% of Increment) / Target 2.72 t/ha (43% of Increment)
Mombo	: 3.82 t/ha (0% of Increment) / Target 4.24 t/ha (12% of Increment)
Mwamapuli	: 5.80 t/ha (57% of Increment) / Target 4.46 t/ha (21% of Increment)
Mwega	: 3.16 t/ha (76% of Increment) / Target 2.50 t/ha (39% of Increment)
Nakahuga	: 4.74 t/ha (53% of Increment) / Target 4.08 t/ha (32% of Increment)

Verifiable Indicators	2. By 2005, the net return rate from rice in all the model sites increase compared to those of 2002.
Results (as of April 2006)	
Net return rate (NRR) is increased in general. However, NRR of Mbuyuni and Mombo are slightly decreased because of increased operational cost; on labour and agricultural inputs for instance, in order to follow what they were taught in trainings.	

Mbuyuni : 82% → 77% → 79% →	Mombo : 57% → 66% → 55% →
Mwamapuli : 52% → 77% → 84% ↗	Mwega : 54% → 79% → 67% ↗
Nakahuga : 56% → 88% → 82% ↗	Nduguti : N/A

Beside, Unit Net Return (UNR) of all model sites improved greatly and this also support that KATC trainings contributed to improving profitability of the sites.

Mbuyuni : 426 → 747 → 969 ↗ (228%)	Mombo : 392 → 646 → 532 ↗ (136%)
Mwamapuli : 292 → 582 → 1,245 ↗ (427%)	Mwega : 218 → 517 → 680 ↗ (312%)
Nakahuga : 377 → 950 → 894 ↗ (237%)	Nduguti : N/A (Unit 1,000Tsh/ha)

Verifiable Indicators	3. By 2005, properly irrigated area increase in all the model sites compared to those of 2002.
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Results (as of April 2006)

This indicator has been achieved as the following reasons.

“Properly irrigated” is defined as the one meets the following conditions.

- Water distribution plan exists
- Paddy field is well levelled
- Paddy field is well bonded
- Paddy field has no drainage problem
- Enough irrigation water is supplied to the field at the right time

When these 5 conditions are fulfilled simultaneously, then we can say that field is “properly irrigated”.

a) Water distribution plan

Farmers under the guidance of KATC trainers made water distribution plan during 2nd seasons of training. So, every scheme has a Water distribution plan.

b) Levelling

Mbuyuni :19.3 → 103.0	Mombo :27.0 → 108.5	
Mwamapuli :32.1 → 90.1	Mwega :26.8 → 65.8	
Nakahuga :15.0 → 16.3	Ndugiti :N/A	(Unit: acre)

c) Bund making

Mbuyuni :19.9 → 95.5	Mombo :100.9 → 123.9	
Mwamapuli :67.2 → 97.4	Mwega :12.0 → 69.9	
Nakahuga :14.0 → 16.3	Ndugiti :N/A	(Unit: acre)

d) Drainage problem

Mbuyuni :87.0 → 54.8	Mombo :87.8 → 7.8 (Due to drought the number changed so much, it can't tell the situation improved or not)	
Mwamapuli :63.7 → 20.0	Mwega :21.4 → 14.3	
Nakahuga :7.4 → 3.6	Ndugiti :N/A	(Unit: acre)

Irrigation water availability (The upper row is the percentage of during paddling time. The lower is that of during rice growing stage)

Mbuyuni :42.7% → 89.3%	Mombo :62.1% → 91.3%	
40.8% → 89.3%	58.3% → 5.8% (Hit hard by drought)	
Mwamapuli :54.9% → 90.2%	Mwega :40.5% → 89.2%	
50.0% → 86.3%	45.0% → 88.3%	
Nakahuga :62.9% → 94.3%	Ndugiti :N/A	
40.0% → 48.6%	N/A	

Annex 11 Activity Record

Year	Course title	Duration (Month/Day)	Number of Participants (man·day)						Target
			Number of Participants			(Field Day/Farmers)			
			M	F	Total	M	F	Total	
2001	General survey on irrigation schemes (Tabora, Mwanza)	11/25-30	-	-	-	-	-	-	
2001	General survey on irrigation schemes (Morogoro, Mbeya)	12/9-16	-	-	-	-	-	-	
2001	1st Participatory Irrigation Scheme Management course	1/21-2/1	336	144	480	-	-	-	KF, VAEO, SM
2002	2nd Participatory Irrigation Scheme Management course	2/18-3/1	372	108	480	-	-	-	KF, VAEO, SM
2002	3rd Participatory Irrigation Scheme Management course	3/4-15	348	132	480	-	-	-	KF, VAEO, SM
2002	4th Participatory Irrigation Scheme Management course	3/18-29	360	132	492	-	-	-	KF, VAEO, SM
2002	Gender workshop	4/29-30	38	4	42	-	-	-	KATC staff
2002	1st Joint Coordination Committee	5/29	-	-	-	-	-	-	JCC
2002	Workshop on selection criteria for Model site	7/17,18	84	10	94	-	-	-	MAFS, DED
2002	2nd Joint Coordination Committee	8/19	-	-	-	-	-	-	JCC
2002	Baseline survey for Mombo	9/22-28	165	135	300	-	-	-	Model site
2002	Baseline survey for Mweya	10/6-12	140	50	190	-	-	-	Model site
2002	Baseline survey for Mbuyuni, Nakahuga, Mwamapuli,	10/19-11/3	491	320	811	-	-	-	Model site
2002	Preparation Survey for RTCPP (Malawi & Zambia)	11/17-12/1	75	60	135	-	-	-	
2003	Model sites stake-holders workshop to establish	2/3-14	-	-	-	-	-	-	MAFS, DED
2003	Preparation Survey for RTCPP (Kenya & Uganda)	2/17-26	-	-	-	-	-	-	
2003	Farming Survey course for VAEO and IT	2/17-21	64	-	64	-	-	-	VAEO, IT of model
2003	1st Key Farmer course(mombo, Nakahuga)	3/10-28	462	420	882	-	-	-	KF, VAEO
2003	Hand tractor operators course for six model sites	5/5-9	48	-	48	-	-	-	Tractor
2003	Applied irrigated rice cultivation course for VAEOs and ITs	5/5-16	144	-	144	-	-	-	VAEO, IT of model
2003	3rd Joint Coordination Committee	5/27	-	-	-	-	-	-	JCC
2003	1st VAEO/Key farmer course(Zambia, Malawi)	6/9-20	228	231	459	-	-	-	KF, VAEO
2003	In-field training (Nakahuga 1st)	7/14-18	302	271	573	-	-	-	KF, IF
2003	2nd Key Farmer course(Mweya,Mbuyuni)	7/28-8/15	441	441	882	-	-	-	KF, VAEO
2003	Technical assistance on strengthening water user's	8/18-29	-	-	-	-	-	-	Model site
2003	In-field training(Mombo 1st)	9/1-5	294	375	669	-	-	-	KF, IF
2003	2nd VAEO/Key farmer course(Kenya, Uganda)	9/8-19	276	84	360	-	-	-	KF, VAEO
2003	In-field training(Nakahuga 2nd)	9/29-10/4	267	250	517	12	9	21	KF, IF
2003	1st Steering Committee	10/6-8	-	-	-	-	-	-	SC
2003	3rd Key Farmer course(Mwamapuli,Nduguti)	10/13-31	21	21	42	-	-	-	KF, VAEO
2003	1st In-field training(Kenya, Uganda)	10/26-11/8	504	378	882	-	-	-	KF, IF
2003	In-field training (Mbuyuni 1st)	11/17-21	295	274	569	-	-	-	KF, IF
2003	In-field training (Mweya 1s t)	12/8-12	287	230	517	-	-	-	KF, IF
2004	In-field training (Nakahuga 3rd)	1/12-16	243	223	466	15	13	28	KF, IF
2004	In-field training (Nduguti 1st)	1/12-17	282	265	547	-	-	-	KF, IF
2004	1st In-field training (Zambia)	1/17-24	129	162	291	-	-	-	KF, IF
2004	1st In-field training (Malawi)	1/25-2/1	261	113	374	-	-	-	KF, IF
2004	In-field training (Mwamapuli 1st)	1/19-23	290	226	516	-	-	-	KF, IF
2004	In-field training (Mombo 2nd)	2/2-7	265	328	593	36	43	79	KF, IF
2004	2nd In-field training (Uganda)	2/9-14	96	183	279	-	-	-	KF, IF
2004	In-field training (Nakahuga 4th)	2/23-27	396	361	757	140	111	251	KF, IF, OF
2004	Irrigation Management course	3/1-3/19	209	114	323	-	-	-	
2004	In-field training (Mbuyuni 2nd)	3/8-3/13	196	168	364	0	0	0	KF, IF
2004	In-field training (Mweya 2nd)	3/15-3/20	198	159	357	0	0	0	KF, IF
2004	In-field training (Mombo 3rd)	3/15-3/20	267	326	593	45	16	61	KF, IF
2004	In-field training (Mwamapuli 2nd)	3/29-4/3	214	183	397	4	5	9	KF, IF
2004	In-field training (Mombo 4th)	4/26-5/1	416	451	867	129	151	280	KF, IF, OF
2004	In-field training (Mbuyuni 3rd)	4/26-5/1	278	226	504	5	7	12	KF, IF
2004	Technical assistance on strengthening water user's	4/26-5/3	173	73	246	-	-	-	Model site
2004	In-field training (Mweya 3rd)	5/3-5/8	144	129	273	56	52	108	KF, IF
2004	2nd Steering Committee	5/21	30	3	33	-	-	-	SC
2004	4th Joint Coordination Committee	5/25	-	-	-	-	-	-	JCC
2004	Technical assistance on strengthening water user's	6/12-6/20	127	65	192	-	-	-	Model site
2004	In-field training (Mwamapuli 3rd: Harvest-1st season)	6/14-6/18	240	157	397	95	67	162	KF, IF
2004	2nd In-field training (Kenya)	7/1-7/7	-	-	-	-	-	-	KF, IF
2004	4th In-field training (Mbuyuni : Evaluation)	7/5-7/10	152	151	303	150	165	315	KF, IF, OF
2004	4th In-field training (Mweya : Evaluation)	7/12-7/17	242	194	436	282	209	491	KF, IF, OF
2004	1st In-field training (Nakahuga : Land preparation-2nd	7/12-7/17	331	312	643	-	-	-	KF, IF
2004	2nd In-field training (Zambia)	7/31-8/7	96	183	279	-	-	-	KF, IF
2004	2nd In-field training (Malawi)	8/8-8/15	227	99	326	-	-	-	KF, IF
2004	2nd In-field training (Nakahuga : Transplanting-2nd season)	8/16-8/19	177	171	348	-	-	-	KF, IF
2004	3rd In-field training (Uganda)	8/22-8/28	360	148	508	-	-	-	KF, IF
2004	4th In-field training (Mwampuli : Evaluation-1st season)	8/23-8/27	288	238	526	63	100	163	KF, IF, OF
2004	Continuing 2nd In-field training (Kenya)	9/9-11	453	67	520	-	-	-	KF, IF
2004	Gender specific training (Mbuyuni)	10/11-16	180	143	323	-	-	-	KF, IF
2004	Technical assistance on strengthening water user's	10/11-23	103	48	151	-	-	-	Model site
2004	In-field training (Nakahuga 3rd: P.I.-2nd season)	10/18-22	345	299	644	95	90	185	KF, IF, OF

Year	Course title	Duration (Month/Day)	Number of Participants (man·day)						Target
			Number of Participants (man·day)			(Field Day/Farmers)			
			M	F	Total	M	F	Total	
2004	1st In-field training (Mbuyuni : Land preparation-2nd	11/1-5	223	160	383	-	-	-	KF, IF
2004	3rd In-field training (Kenya)	11/1-6	563	69	632	-	-	-	KF, IF
2004	Gender specific training (Mwamapuli and Nduguti)	11/3-11	377	351	728	-	-	-	KF, IF
2004	1st In-field training (Mwega : Land preparation-2nd season)	11/8-11	207	194	401	-	-	-	KF, IF
2004	1st In-field training (Mombo : Land preparation-2nd	11/23-26	154	184	338	-	-	-	KF, IF
2004	3rd In-field training (Malawi)	11/22-26	219	89	308	-	-	-	KF, IF
2004	3rd In-field training (Zambia)	11/29-12/3	100	139	239	-	-	-	KF, IF
2004	1st In-field training (Mwamapuli : Land preparation-2nd	11/30-12/3	256	209	465	-	-	-	KF, IF
2004	1st In-field training (Nduguti : Land preparation-2nd	12/6-10	308	240	548	-	-	-	KF, IF
2004	2nd In-field training (Mbuyuni : Transplanting-2nd season)	12/14-16	127	78	205	-	-	-	KF, IF
2004	4th In-field training (Nakahuga : Harvest-2nd season)	12/14-17	430	359	789	158	138	296	KF, IF, OF
2004	Gender specific training (Mwega)	12/14-17	171	154	325	-	-	-	KF, IF
2005	Animal Traction course	1/3-7	70	10	80	-	-	-	Model site
2005	Gender specific training (Mombo)	1/5-7	198	199	397	-	-	-	KF, IF
2005	Gender specific training (Nakahuga)	1/10-12	192	177	369	-	-	-	KF, IF
2005	In-field training (Mwega 2nd : Transplanting-2nd season)	1/20-22	137	97	234	-	-	-	KF, IF
2005	In-field training (Mombo 2nd : Transplanting-2nd season)	1/24-26	141	184	325	-	-	-	KF, IF
2005	5th In-field training (Nakahuga : Evaluation-2nd season)	2/8-11	294	250	544	97	122	319	KF, IF, OF
2005	2nd In-field training (Mwamapuli : Transplanting-2nd	2/9-12	269	131	400	-	-	-	KF, IF
2005	2nd In-field training (Nduguti : Transplanting-2nd season)	2/14-18	290	258	548	-	-	-	KF, IF
2005	RTCPP Workshop	2/23-24	106	18	124	-	-	-	Farmer
2005	3rd In-field training (Mombo : P.I.-2nd season)	3/8-11	285	364	649	97	132	229	KF, IF, OF
2005	Study tour (Nakahuga)	3/7-11	223	142	365	-	-	-	KF, IF, VAEO, IT,
2005	3rd In-field training (Mbuyuni : P.I.-2nd season)	3/14-17	223	142	365	68	45	113	KF, IF, OF
2005	Study tour (Mombo)	3/21-24	14	8	22	-	-	-	KF, IF, VAEO, IT,
2005	3rd Steering Committee	3/30	26	1	27	-	-	-	SC
2005	3rd In-field training (Mwega : P.I.-2nd season)	4/13-15	310	251	561	110	99	209	KF, IF, OF
2005	4th In-field training (Uganda)	4/18-22	405	104	509	-	-	-	KF, IF
2005	In-field training (Mwamapuli 3rd: P.I.-2nd season)	5/2-5	426	242	668	147	85	232	KF, IF, OF
2005	In-field training (Mbuyuni 4th : Harvest-2nd season)	5/10-13	162	93	255	50	34	84	KF, IF, OF
2005	In-field training (Mwega 4th : Harvest-2nd season)	5/10-13	272	199	471	272	199	471	KF, IF, OF
2005	In-field training (Mombo 4th : Harvest-2nd season)	5/11-14	178	242	420	41	58	99	KF, IF, OF
2005	4th In-field training (Zambia)	5/21-28	266	206	472	-	-	-	KF, IF
2005	4th In-field training (Malawi)	5/29-6/5	122	69	191	-	-	-	KF, IF
2005	4th In-field training (Mwamapuli : Harvest-2nd season)	5/30-6/2	457	171	628	161	108	269	KF, IF, OF
2005	4th In-field training (Kenya)	6/5-11	475	101	576	-	-	-	KF, IF
2005	5th In-field training (Mbuyuni : Evaluation-2nd season)	6/22-25	145	100	245	50	34	84	KF, IF, OF
2005	5th In-field training (Mwega : Evaluation-2nd season)	6/27-30	145	101	246	121	100	221	KF, IF, OF
2005	Survey on proposed sites for modifeid training	6/28-30	-	-	-	-	-	-	Site
2005	In-field training (Mombo 5th: Evaluation-2nd season)	7/6-9	295	440	735	125	141	266	KF, IF, OF
2005	5th In-field training (Mwamapuli : Evaluation-2nd season)	8/21-24	390	202	592	209	94	303	KF, IF, OF
2005	5th Joint Coordination Committee	9/16	16	3	19	-	-	-	JCC
2005	Gender and Farming survey (Muungano, Mkombozi)	10/5-8	-	-	-	-	-	-	KF, IF, OF
2005	1st In-field training (Modified: Mkombozi, Muungano)	11/7-19	539	455	994	-	-	-	KF, IF
2005	Key farmers course for Lemkuna (Modified)	11/21-12/2	120	120	240	-	-	-	KF, VAEO
2005	2nd In-field training (Modified: Mkombozi, Muungano)	12/5-9	234	254	488	-	-	-	KF, IF
2005	5th In-field training (Zambia)	12/12-16	149	144	293	-	-	-	KF, IF
2005	5th In-field training (Malawi)	1/9-13	198	83	281	-	-	-	KF, IF
2005	5th In-field training (Kenya)	1/16-20	291	57	348	-	-	-	KF, IF
2005	1st In-field training (Modified: Lemkuna)	1/16-21	203	166	369	-	-	-	KF, IF
2006	2nd Infield Training (Modified Lemkuna)	2/13-17	106	102	208	-	-	-	KF, IF
2006	4th Steering Committee	3/30	18	1	19	-	-	-	SC

Note KF: Key Farmer, IF: Intermediate Farmer, OF: Other Farmer, VAEO: Village Agricultural Extension Officer, IT: Irrigation Technician, SM: Scheme

Annex 12 Important farming indicators in RTCP and Tanzanian schemes

Indicator	Kenya			Malawi			Uganda			Zambia			Tanzania				
	2002	2003	2004	2002	2003	2004	2003	2004	2005	2002	2003	2004	2005	2002	2003	2004	2005
	Area (ha)	0.40	0.38	0.43	0.27	0.28	0.31	0.27	0.32	0.40	0.37	0.37	0.37	0.26	0.72	0.47	0.47
Production (kg)	1,171	1,462	2,070	771	833	1,022	1,086	1,086	1,446	570	685	481	2,073	1,946	1,322	1,507	1,946
Yield/ha	3,993	4,459	5,377	2,922	3,221	3,816	3,609	3,609	4,048	1,759	2,296	2,022	3,094	4,300	2,978	3,362	4,300
Yield increase (%)	100%	112%	135%	100%	110%	131%	100%	100%	112%	100%	131%	115%	100%	144%	96%	109%	144%
Price/kg paddy(\$)	0.27	0.31	0.31	0.26	0.24	0.37	0.21	0.21	0.29	0.43	0.53	0.69	0.18	0.22	0.20	0.23	0.22
Price/kg rice(\$)	0.42	0.48	0.48	0.41	0.36	0.56	0.32	0.32	0.44	0.66	0.82	1.06	0.28	0.34	0.30	0.36	0.34
GR(\$)	320	471	621	210	201	374	230	230	421	249	359	324	348	441	258	349	441
OC(\$)	145	158	181	34	30	42	88	88	128	43	50	38	106	92	76	77	92
NR(\$)	175	313	440	176	171	332	143	143	293	205	309	286	243	349	182	272	349
GR/ha(\$)	1,103	1,418	1,748	773	754	1,400	769	769	1,158	818	1,370	1,364	528	952	575	772	952
OC/ha(\$)	481	482	535	118	98	156	300	300	349	126	137	116	170	221	164	160	221
NR/ha(\$)	623	936	1,213	655	656	1,244	469	469	810	692	1,233	1,248	357	731	411	612	731
GR/100kg(\$)	27	31	31	26	24	37	21	21	29	43	53	69	18	22	20	23	22
OC/100kg(\$)	13	12	10	4	3	4	9	9	9	8	7	7	7	6	6	5	6
NR/100kg(\$)	14	19	21	22	20	32	12	12	19	35	47	62	12	17	14	18	17
Material cost/ha(\$)	104	103	161	7	5	24	15	15	21	38	39	25	54	62	42	43	62
Labour cost/ha(\$)	350	354	333	108	91	125	245	245	284	83	95	87	89	151	109	105	151
Land rent/ha(\$)	26	25	41	3	2	6	40	40	43	5	3	4	27	8	13	12	8
NRR (%)	49.8%	55.8%	65.7%	82.7%	86.5%	86.5%	58.0%	58.0%	67.9%	67.4%	78.3%	86.4%	59.7%	73.1%	66.6%	76.9%	73.1%
No of farmers	78	79	40	64	61	71	81	81	79	53	53	63	359	439	431	472	439

成果の達成状況

1-1 プロジェクトの活動成果

各投入による活動成果は次の通り。

(1) 成果 1 : モデルサイトに対するコンセプトとアプローチが確立する

指標	結果 (評価時点)
By the end of August, 2002, six (6) model sites are selected on the basis of the criteria.	モデルサイトのコンセプトとアプローチが確立され、6カ所のモデルサイトが既に選定された。

(2) 成果 2 : KATC の研修ニーズを把握する能力が向上する

指標	結果 (評価時点)
2-1 At the beginning of every training course, more than 90% of course participants agree with the course contents as relevant to their needs.	研修ニーズ (特に現地研修の研修トピック) については、各回終了時に次回の研修内容を参加者全員に確認している。このため、研修の始めに満足度を計ることは取りやめている。
2-2 In more than 80% of training courses, more than 80% of training participants rank A or B in questionnaire. Evaluation will be done by 5-graded form (A:Excellent, B:Very Good, C:Good, D:Fair or Satisfactory, E:Poor)	モデルサイトで行われた研修については、データが欠落しているものを除き、全て 80%以上の参加者が、Aあるいは B と評価した。

Table: 研修をAもしくはBと評価した参加者の割合

スキーム	1作目				2作目				
	1 st	2 nd	3 rd	4 th (評価)	1 st	2 nd	3 rd	4 th	5 th (評価)
Nakahuga	99.6	99.3	99.6	99.3	99.9	99.8	99.7	n.a* ¹	n.d* ²
Mombo	99.9	99.9	n.a	n.d	99.9	99.6	99.8	100.0	n.d
Mbuyuni	97.6	96.5	n.a	n.d	99.2	97.6	100.0	98.3	n.d
Mwega	99.8	99.9	99.7	n.d	98.6	99.3	99.3	99.9	n.d
Mwamapuli	n.a	97.8	98.2	n.d	97.8	97.8	99.9	98.5	n.d
Nduguti	n.a	n.a	n.d	n.d	97.8	98.2	n.d	n.d	n.d

n.a*¹ : 適用不可

n.d*² : 未実施 Nakahuga の 1 作目を除いて、第 5 回目の研修はそれまでの研修の評価であったことから、あえて 5 回目の評価は行っていない。また、Nduguti は、水不足のため 3 回目以降の研修は無し。n.a については、研修レポートに評価の要約が記載されているものと、データそのものが欠落しているものがあり分析できなかった。

(3) 成果 3 : KATC の灌漑稲作生産性に関する技術研修プログラムが強化される

指標	結果 (評価時点)
3-1 By 2005, 80% of Key Farmers adopt at least 80% of basic field techniques learnt and 80% of Intermediate Farmers adopt at least one basic field technique learnt. (for the items of basic field techniques, see Annex.3.)	1 作目の結果 Mbuyuni: KF 80%, IF 100% Mombo: KF 94%, IF 100% Mwamapuli: KF 50%, IF 99% Mwega: KF 89%, IF 100% Nakahuga: KF 94%, IF 100% Nduguti: N/A

	<p><u>2 作目の結果</u> Mbuyuni: KF 80%, IF 99% Mombo: KF 100%, IF 100% Mwamapuli: KF 90%, IF100% Mwega: KF 85%, IF 99% Nakahuga: KF 94%, IF100 % Nduguti: N/A</p> <p>Nduguti を除く全てのスキームにおいて、指標は達成された。</p>
3-2 By 2005, technical standards on rice cultivation are established in all model sites through field trial activities conducted by field personnel and key farmers. (for the items of technical standards, see Annex.4)	1～2 作目で実施した Demo trial 結果のデータベースへの入力作業は終了し、現在は結果の要約作業中である。Technical standard は品種・稲作栽培時期の相違もあるのでスキーム毎に整理され、第一ドラフトは 2006 年 5 月には準備され、完成版も早々に作成される予定である。
3-3 By 2005, the final versions of technical manuals for each model site is prepared based on local needs.	Technical manuals の構成、内容を決定。現在関連資料の収集中。第一ドラフトは構成中であり、完成版も早々に作成される予定である。
3-4 Modified field training programme(s), which encourage districts to adopt KATC trainings as an implementation tool of their DADP, are developed.	Mkombozi、Muungano、Lemkuna の 3 スキームを選定。 Land preparation、Transplanting ステージの現地研修を各々実施。 Lemkuna については、Key farmer course (集合研修) を実施。

(4) 成果 4 : 灌漑事業地の制度体制を改善するための研修プログラムが強化される

指標	結果 (評価時点)
4-1 Implementation plan (IP) for each model site is prepared, implemented, and revised based on the implementation result jointly by district, scheme, zonal irrigation office and KATC, with the special emphasis on cost sharing.	2003 年 2 月に IP を作成。
4-2 By 2005, farm operation calendars and plans are prepared, carried out and evaluated by managing personnel, key farmers and intermediate farmers in each model site. (Farm operation calendars and plans include; farm operation, water distribution plan, canal maintenance and management plan, and organizational activity plan.)	Nduguti を除く全てのモデルサイトにおいて Farm operation calendar が作成された。
4-3 By 2005, active membership of irrigators' association/cooperative societies in each model site increase compared to 2002. ("Active members" are paying membership fee and participating O&M activities.)	Nduguti を除く全てのモデルサイトにおいて、目標は達成されている。 水利組織のメンバー数は全てのモデルサイトで増加している (2003 年→2004 年→2005 年) Mbuyuni : 868→868→875 Mombo : 180→190→300 Mwamapuli : 885→885→893 Mwega : 671→702→732 Nakahuga : 68→100→125 Ndugiti : N/A

	<p>O&M 活動の参加者数のデータを取得しようとしたが、スキームでは記録しておらず、取得できなかった。</p> <p>水利組合費を支払っているメンバーの数は各モデルサイトで増加している（2003年→2004年→2005年）</p> <p>Mbuyuni : 471→484→501 Mombo : 180→190→300</p> <p>Mwamapuli : 798→787→820 Mwega : 671→702→732</p> <p>Nakahuga : 50→100→121 Ndugiti : N/A</p>
4-4 The manual/guide for strengthening institutional framework is prepared by the end of the project.	水利組織強化のためのガイドラインは既にドラフトが作成され、完成版もプロジェクト終了前にスワヒリ語・英語にて作成予定である。

(5) 成果 5 : 有益な灌漑稲作栽培に関する情報を収集、発信する KATC の機能が向上する

指標	結果 (評価時点)
5-1 By 2006, library database and classified information database are established.	データベース作成途中。2005年5月16日～7月4日まで短期専門家（情報管理）を派遣し、成果品管理及び広報資料作成・発行体制の確立を図った。各々につき Regulation、Workflow、Manual が作成され、情報管理システムの基礎が確立、実施に移されている。
5-2 By 2006, four Kiswahili & two English newsletters in a year and annual technical progress reports are prepared, and web-site of KATC is established and revised on monthly basis.	通算、スワヒリ語版ニュースレターが5刊、英語版ニュースレターを3刊発行済み。2005年5月16日～7月4日まで短期専門家（情報管理）を派遣し、成果品管理及び広報資料作成・発行体制の確立を図った。各々について Regulation、Workflow、Manual が作成され、情報管理システムの基礎が確立され、実施に移されている。

(6) 成果 6 : 灌漑稲作生産に関する技術研修の計画、実施、モニタリングにジェンダーを組み入れるコンセプト、アプローチが確立する

指標	結果 (評価時点)																																																																						
6-1 Project activities are implemented according to the gender checklist based on Plan of Operation.	2002年10月に派遣されたジェンダー短期専門家を中心に、ジェンダートレーニングニーズの特定を行った。																																																																						
6-2 Through the project period, the percentage of women participants in Key Farmers course and in-field training is more than 45% by considering gender needs in model sites.	<table border="1"> <thead> <tr> <th>(1 作目結果)</th> <th><u>KF</u></th> <th><u>IF</u></th> <th><u>OF</u></th> <th><u>Total</u></th> </tr> </thead> <tbody> <tr> <td>Mbuyuni</td> <td>52%</td> <td>45%</td> <td>51%</td> <td>48%</td> </tr> <tr> <td>Mombo</td> <td>50%</td> <td>59%</td> <td>46%</td> <td>54%</td> </tr> <tr> <td>Mwega</td> <td>53%</td> <td>43%</td> <td>44%</td> <td>46%</td> </tr> <tr> <td>Mwamapuli</td> <td>50%</td> <td>42%</td> <td>36%</td> <td>44%</td> </tr> <tr> <td>Nakahuga</td> <td>49%</td> <td>49%</td> <td>44%</td> <td>48%</td> </tr> <tr> <td>Nduguti</td> <td>40%</td> <td>53%</td> <td>N/A</td> <td>47%</td> </tr> <tr> <td>Grand Total</td> <td>48%</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>(2 作目結果)</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Mbuyuni</td> <td>50%</td> <td>40%</td> <td>34%</td> <td>41%</td> </tr> <tr> <td>Mombo</td> <td>48%</td> <td>57%</td> <td>58%</td> <td>56%</td> </tr> <tr> <td>Mwega</td> <td>51%</td> <td>42%</td> <td>47%</td> <td>45%</td> </tr> <tr> <td>Mwamapuli</td> <td>51%</td> <td>38%</td> <td>33%</td> <td>38%</td> </tr> <tr> <td>Nakahuga</td> <td>48%</td> <td>47%</td> <td>49%</td> <td>48%</td> </tr> </tbody> </table>	(1 作目結果)	<u>KF</u>	<u>IF</u>	<u>OF</u>	<u>Total</u>	Mbuyuni	52%	45%	51%	48%	Mombo	50%	59%	46%	54%	Mwega	53%	43%	44%	46%	Mwamapuli	50%	42%	36%	44%	Nakahuga	49%	49%	44%	48%	Nduguti	40%	53%	N/A	47%	Grand Total	48%				(2 作目結果)					Mbuyuni	50%	40%	34%	41%	Mombo	48%	57%	58%	56%	Mwega	51%	42%	47%	45%	Mwamapuli	51%	38%	33%	38%	Nakahuga	48%	47%	49%	48%
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	Grand Total	46%			
6-3 By 2006, at least one specialized subject training based on Gender needs is conducted for and the activity is adopted in each model site.	2004年10月 Mbuyuni、同11月 Mwamapuli 及び Nduguti、同12月 Mwega、2005年1月 Mombo 及び Nakahuga にてジェンダー特化研修（改良かまど製作、家計管理）を実施した。				

1-2 プロジェクト目標

終了時評価時点での、プロジェクト目標の達成度は次の通りである。

Project Purpose: *Productivity of rice increases in the model sites through the KATC's training.*

指標 1	1. Average rice yield per unit area of sample farmers in model sites increase by 12-43% by 2005 compared to 2002.
評価時点	
天候の影響のため、作付けができないサイトが1カ所あった。しかし、その他サイトでは変動はあるものの、2作期間で目標を超える収量を達成したといえる。	
<u>Yield of 2nd season</u>	
Mbuyuni	: 3.56 t/ha (87% of Increment) / Target 2.72 t/ha (43% of Increment)
Mombo	: 3.82 t/ha (0% of Increment) / Target 4.24 t/ha (12% of Increment)
Mwamapuli	: 5.80 t/ha (57% of Increment) / Target 4.46 t/ha (21% of Increment)
Mwega	: 3.16 t/ha (76% of Increment) / Target 2.50 t/ha (39% of Increment)
Nakahuga	: 4.74 t/ha (53% of Increment) / Target 4.08 t/ha (32% of Increment)
<p>(注) 早魃のため、Nsugti では研修が実施できず。また上記の通り、Mombo は厳密には目標に到達していないが、2003年以降、継続的早魃で水不足の状況下であり、特に2005年の早魃による水不足は、当スキームの作付け計画変更を余儀無くさせ、結果的に2004度と比較して収量低下の原因となった。しかし、このような強度の早魃下にも係わらず、この程度の軽度の収量低下に留まったのは、技術研修による適切な水管理と栽培技術が農家間に浸透した結果と考えられる。</p>	

指標 2	2. By 2005, the net return rate from rice in all the model sites increase compared to those of 2002.
評価時点	
純収益額については一部労働雇用や資機材の購入等により生産費用が増大したため、若干、収益率が低下したサイトもあるが、総じて、大きく改善されている。	
自身や家族の労働量軽減のための労働者雇用や、研修で適切な使用法を学んだ生産資材の購入等により生産費用が増加した農家があるため、Mbuyuni 及び Mombo においてわずかな低下がみられるが、総じて純収益率は改善されたと言える。	
Mbuyuni	: 82%→77%→79% → Mombo : 57%→66%→55% →
Mwamapuli	: 52%→77%→84% ↗ Mwega : 54%→79%→67% ↗
Nakahuga	: 56%→88%→82% ↗ Nduguti : N/A
また単位面積当たり収益 (UNR) も全てのスキームで著しく向上した事からも、収益性が改善されたと結論付けられる。	
Mbuyuni	: 426→747→ 969 (228%) ↗ Mombo : 392→646→532 (136%) ↗
Mwamapuli	: 292→582→1,245 (427%) ↗ Mwega : 218→517→680 (312%) ↗
Nakahuga	: 377→950→ 894 (237%) ↗ Nduguti : N/A (単位 1,000Tsh/ha)

指標 3	3. By 2005, properly irrigated area increase in all the model sites compared to those of 2002.																																														
評価時点																																															
<p>配水計画、均平化、畦、排水問題、灌漑用水手当て等の条件が満たされたことから、プロジェクト目標は達成された。</p> <p>“Properly irrigated=適切に灌漑された”を以下の条件を満たすと定義した。</p> <p>a) 配水計画の整備、b) 圃場の均平化、c) 圃場が畦で囲われ、d) 圃場に排水問題が無い、e) 適切な時期に十分な灌漑用水が圃場に供給</p> <p>これら5つの条件が同時に満たされた時、その圃場について“適切に灌漑された”とする。</p> <p>a) 配水計画 配水計画は全てのスキームにおいて、KATCの2作季にわたる研修中にKATC教官の指導の下、農民により作成された。</p> <p>b) 均平化</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Mbuyuni : 19.3→103.0</td> <td style="width: 33%;">Mombo : 27.0→108.5</td> <td style="width: 33%;"></td> </tr> <tr> <td>Mwamapuli : 32.1→ 90.1</td> <td>Mwega : 26.8→ 65.8</td> <td></td> </tr> <tr> <td>Nakahuga : 15.0→ 16.3</td> <td>Ndugiti : N/A</td> <td style="text-align: right;">(単位：エーカー)</td> </tr> </table> <p>c) 畦</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Mbuyuni : 19.9→ 95.5</td> <td style="width: 33%;">Mombo : 100.9→123.9</td> <td style="width: 33%;"></td> </tr> <tr> <td>Mwamapuli : 67.2→ 97.4</td> <td>Mwega : 12.0 → 69.9</td> <td></td> </tr> <tr> <td>Nakahuga : 14.0→ 16.3</td> <td>Ndugiti : N/A</td> <td style="text-align: right;">(単位：エーカー)</td> </tr> </table> <p>d) 排水問題</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Mbuyuni : 87.0→ 54.8</td> <td style="width: 33%;">Mombo : 87.8→ 7.8</td> <td style="width: 33%;">(早魃の影響で数字が改善された様に見えているが、実際に改善したかどうかは判断できない)</td> </tr> <tr> <td>Mwamapuli : 63.7→ 20.0</td> <td>Mwega : 21.4→ 14.3</td> <td></td> </tr> <tr> <td>Nakahuga : 7.4→ 3.6</td> <td>Ndugiti : N/A</td> <td style="text-align: right;">(単位：エーカー)</td> </tr> </table> <p>e) 灌漑用水手当て (上段は「代掻き期」、下段は「稲の成長期」における数字)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Mbuyuni : 42.7%→89.3%</td> <td style="width: 33%;">Mombo : 62.1%→91.3%</td> <td style="width: 33%;"></td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">58.3%→ 5.8% (早魃発生)</td> </tr> <tr> <td>Mwamapuli : 54.9%→90.2%</td> <td>Mwega : 40.5%→89.2%</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">45.0%→88.3%</td> </tr> <tr> <td>Nakahuga : 62.9%→94.3%</td> <td>Ndugiti : N/A</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">40.0%→48.6%</td> </tr> </table>			Mbuyuni : 19.3→103.0	Mombo : 27.0→108.5		Mwamapuli : 32.1→ 90.1	Mwega : 26.8→ 65.8		Nakahuga : 15.0→ 16.3	Ndugiti : N/A	(単位：エーカー)	Mbuyuni : 19.9→ 95.5	Mombo : 100.9→123.9		Mwamapuli : 67.2→ 97.4	Mwega : 12.0 → 69.9		Nakahuga : 14.0→ 16.3	Ndugiti : N/A	(単位：エーカー)	Mbuyuni : 87.0→ 54.8	Mombo : 87.8→ 7.8	(早魃の影響で数字が改善された様に見えているが、実際に改善したかどうかは判断できない)	Mwamapuli : 63.7→ 20.0	Mwega : 21.4→ 14.3		Nakahuga : 7.4→ 3.6	Ndugiti : N/A	(単位：エーカー)	Mbuyuni : 42.7%→89.3%	Mombo : 62.1%→91.3%				58.3%→ 5.8% (早魃発生)	Mwamapuli : 54.9%→90.2%	Mwega : 40.5%→89.2%				45.0%→88.3%	Nakahuga : 62.9%→94.3%	Ndugiti : N/A				40.0%→48.6%
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Mwamapuli : 67.2→ 97.4	Mwega : 12.0 → 69.9																																														
Nakahuga : 14.0→ 16.3	Ndugiti : N/A	(単位：エーカー)																																													
Mbuyuni : 87.0→ 54.8	Mombo : 87.8→ 7.8	(早魃の影響で数字が改善された様に見えているが、実際に改善したかどうかは判断できない)																																													
Mwamapuli : 63.7→ 20.0	Mwega : 21.4→ 14.3																																														
Nakahuga : 7.4→ 3.6	Ndugiti : N/A	(単位：エーカー)																																													
Mbuyuni : 42.7%→89.3%	Mombo : 62.1%→91.3%																																														
		58.3%→ 5.8% (早魃発生)																																													
Mwamapuli : 54.9%→90.2%	Mwega : 40.5%→89.2%																																														
		45.0%→88.3%																																													
Nakahuga : 62.9%→94.3%	Ndugiti : N/A																																														
		40.0%→48.6%																																													

Target Six (6) Model Site Outlook at the time of the Project terminal evaluation

Model site general information *Editing from Mid-term evaluation reports

Name of Scheme	Mombo	Mwega	Mbuyuni
District Name	Korogwe	Kilosa	Mbarali
Irrigation Zone	Kilimanjarc	Morogoro	Mbeya
Irrigated Areas (ha)	220	580	800
No. of farmers (household)	429	732	More than 1,000*
No. of Irrigator/Farmers Association	180 - 190 - 300	671 - 702 - 717*	868 - 868 - 875
(Time change, 2001-2004-2006)		*Hearing on site	
Average of rice Yield (ton/ha) (2004-2006)	4.0 - 3.82	2.4 - 3.16	3.0 - 3.56
Interview & Questionnaire Results			
Study date:	Wed 3.5.2006	Thu 4.5.2006	Fri 5.5.2006
Irrigation Scheme history	4 years ago by PIDP (IFAD)	Nov. 2001- Feb 2002 constructed new scheme by Japan (15+10=25Km length canal)	In 1992-93, scheme was constructed funded by CIDA.
Farmers experience of training before	Yes, by PIDP	"TIP" provided some training a log time ago, but all respondents were not involved	CIDA and others were provided on "rice cultivation" training but not O&M and rice techniques.
No of village	4 villages	3 villages	2 villages (upper & lower river side)
Yield increase or not	Yes (100%) & very	Yes (100%) but a little due to water shortage at dry season	Yes (100%)
Reason of yield increase:	Along to cropping calendar fertilizer input Proper techniques to rice plant Good relation with Extension officer Select good qualified seeds Undertaken KATC training as a whole	Fertilizer input & productivity increased.	Because of KATC training results Timely weed control Proper water management Proper use of fertilizers Use of high quality seeds Correct spacing
Income from rice selling Evidence As training impacts;	Yes (100%) & very Buy land for maize cultivation Children go to secondary school Buy a bicycle Build a modern house Employ labor (from remote areas) Increase a paid membership of Farmer organization No spend for a drink beer	Yes (100%) Become a capital for onion produce Innovate a modern house Children go to secondary school	Yes (100%) Increase of modern houses Many people can hire tractors Paying for health services Some have bought a car. Children go to secondary school Almost farmers have been employed labors from near areas. Purchase cell phones Number of hand tractors increased.
Transfer knowledge	Yes (100%) Share the skills and experience Not only OF but also other farmers who are willing to learn or acquire new knowledge even outside the Project group	Yes (100%) Share the skills and experience Nearest scheme farmers visit and ask the knowledge Other farmers watched and learned at "Farmer Day"	Yes (100%) Share the skills and experience Some farmers didn't share knowledge because they are still learning.
Most useful training subjects are:	Rice Planting/ Plot space collection Salinity control Cropping calendar Use of Simple tool Water management Leveling, etc	Irrigation Water management rice cultivation techniques Leveling/bundling Line transplanting Use of simple tools	Seed selection and sowing Leveling of plots Use of simple tools (e.g., weeding) Line transplanting (almost farmers) Gender Water management *34 Power tillers was introduced in the villages last 2 yrs.
Other aspects	Wife is happy to share the income Women labor has been lightening	KATC training was east to follow and fundamental skills needed to farmers (by ZID)	There is big difference in water management after training. There are many technologies as adopted (power tiller, hand weeder, farm inputs)
Environment	Drought hit on the 2nd year harvest Agri. Input increased Limitation of rice market Low price of rice	Dry area with Baobao trees Due to severe climate, the farmers life changed a little. Soils not very suitable Low price of rice Famous of the rice as "Malolo"rice Limiting area good for paddy cultivation	The district is famous of rice planting. Water shortage & dispute water utilization among upper and lower area farmers. Improper irrigation calendar Deteriorating & poor irrigation canals Increase Inputs, especially fertilizer with high price
Interviewee	Chairman, Scheme Manager, Farmers (KY17, IF 54), Research Officer (Tanga)	Scheme Manager, Farmers (KY2, IF2, OF 3), Zone Irrigation Officer, District Irrigation Officer	Scheme Manager, Farmers (KY10, IF13, OF6), Extension Officer
Interviewer Assistant	Mr.A.Matsumoto (JICA Consultant) Mr.N. Shauritanga (IU/CD Unit, KATC)	Mr.A.Matsumoto (JICA Consultant) Mr.N. Shauritanga (IU/CD Unit, KATC) *Due to the arrangement wrong, interview was informal way.	Mr.A.Matsumoto (JICA Consultant) Mr.N. Shauritanga (IU/CD Unit, KATC) *In Chimala, there are several rice millers and many rice dealers & middle man exists.

Name of Scheme	Nduguti	Mwamapuli	Nakahuga
District Name	Shinyanga Rural	Igunga	Songea
Irrigation Zone	Mwanza	Tabora	Mtwara
Irrigated Areas (ha)	400	630	68*
No. of farmers (household)	770	948	45*
No. of Irrigator/Farmers Association	770 (at 2006)	885 - 885 - 893	In Nakafuga as a whole, approx. 522
(Time change, 2001-2004-2006)			
Average of rice Yield (ton/ha) (2204-2006)	3.0 - No Record (at 2006, same level of yield will be expected)	5.0 - 5.80	4.4 - 4.74
Interview & Questionnaire Results			
Study date:	Sun 14.5.2006	Sun 14.5.2006	Tue 16.5.2006
Irrigation Scheme history	In 1996, scheme was constructed by IFAD (PIDP) and rehabilitated at 2001.	In 1991, scheme was constructed by AFDB and Tanzanian government.	In 2000, scheme was constructed by district council, and be rehabilitated by national gov
Farmers experience of training before	Training was conducted under PIDP such as cooking stove making and gender issues for a few	N/A	District funded and sent 20*25 farmers to KATC I, and KATC II provided in-field training as well. No other
No of village	3 villages (currently, two village was emerged into one.)	4 villages	1 village
Yield increase or not	N/A	Yes (100%)	* In the scheme, almost farmers' rice experience is only 3 years by interview. Yes (100%) greatly
Reason of yield increase:		Timely operation Due to KATC training	Timely preparation Due to KATC training Fertilizer Seed selection Proper water management Men and women worked together like weeding.
Income from rice selling Evidence: As training impacts;	N/A	Yes (100%) The rice bag was increased from 20 to 52 (more than double). Build a house. School fee paid. Purchased motorcycle/cellar phone Bought cow/sheep Purchased milling machine/oxen/weeder Purchased sewing machine	Yes (100%) tremendously Build a house. School fee paid/ Uniform for children Better clothes / Better diet Cattle Purchased mattress/TV Capital increase for getting loan Purchased milling machine Transport payable Hire labour
Transfer knowledge	Key farmers transferred their knowledge gained by KATC training. Women replied she had had never participate such "gender" training before. * Due to the severe drought since 2002 up to 2005, no rice product. Instead of rice produce, farmers produced mainly maize, solgum, cassava, sweet potato and groundnut , etc. They frankly told it was a severe life at the time.	Almost farmers transferred their knowledge to others, such as planting, spacing, transplanting, fertilizer application, leveling. The farmers each other they are closed relationship, so they said it is common to transfer new knowledge	Key Farmers disseminated their knowledge gained by KATC training. Intermediate farmer said only 2 farmers transfer due to capacity. Other Farmers had a family problem / no instructed by others, so no transfer. <Impact> On the other hand, some Key Farmers transferred the skills to surrounding area, because of closed relationship such as relatives or owing land in *Most of the training skills was new for all farmers due to short history of rice cultivation.
Most useful training subjects are:	Seed preparation Nursery preparation Spacing For save water Seed selection Leveling/bundling *However, they said they could not use the skills due to the drought. And they need some practical training right now continuously.	Spacing Push weeder / equipment Seed selection, because it helped healthy seed and good production. Nursery preparation Record keeping / water use Timely fertilizer application KFs are happy to select as leaders because they are proud of representatives.	Cropping calendar Spacing Timely fertilizer application Seed selection Nursery preparation Water management Weeding and Harvesting Gender balance and mainstream Simple tool & Pesticide utilization
Other aspects	In 2006, thanks for raining, most farmers started rice planting even late March, and will be harvested hopefully. In 2001 , it was a best time of rice harvest in the scheme with sufficient raining		The district council had collaborated with the Project and provided several opportunity; 1)Study tour provided for other scheme farmers looking into Nakahuga scheme, 2)Mfinga rice farmers had a chance to home stay in Nakahuga for a month to learn the skills.
Environment	Last a couple of years droughts, no rice seed supply. So this year some farmers exchanged their goat to 1sec of seed bag (70kg). Not only the problem of rainfall, domestic water and health are also other serious problem in the villages. In the villages, women are traditionally empowered, and women association has been	Insufficient infrastructure/need of rehabilitation Limitation of market accessibility Tomato is also cultivating. Fertilizer/water/limited land/equipment/market/low price are the main problem among farmers. Bird damage is one of problem.	In the scheme there are possible to cultivate rice twice if the water is available. Some farmers purchased rice milling machine. On the other hand, the Project provided one milling machine for cooperative and the training. Necessity of rehabilitation Intec and facility Pest and diseases problem Untimely supply of agricultural inputs
Interviewee	Scheme Manager, Word Executive Officer, DED, District officer, 41 Farmers (KY12, IF20, OF9) including Member of scheme committee	Scheme Manager, DED, 25 Farmers (KF6, IF12, OF7)	Scheme Manager, DED, VAIO, 21 Farmers (KF2, IF9, OF10)
Interviewer Assistant	Mr.A.Matsumoto (JICA Consultant) Mr. Hamis Nyangi (Tanzanian Evaluation member)	Mr.A.Matsumoto (JICA Consultant) Mr. Hamis Nyangi (Tanzanian Evaluation member)	Mr.A.Matsumoto (JICA Consultant) Mr. Hamis Nyangi (Tanzanian Evaluation member)