

Training Courses Implemented and Number of Trainees Benefited

COURSE (Japan Fiscal Year)	1992/1993	1993	1994	1995/1996
Senior Management Course	建 77. 管理	29 H	5 14	
Water Management Course	35.	29	18	
Tractor Operators Course	29	27	10 4	
Tractor Operators Course			重要 一	DESCRIPTION OF THE PARTY OF THE
Mechanics Course	30	27	8	
Workshop Foremen Course	7	9	15	
Field Assistants Course	37	62	25	
Key Farmers Course (Mwea)	35	.⇒ 78 ¥	90†	
Observation Tour	67		60	
Management (Administration) Course	30			
Senior Operators Course	13		13	September 100 September 1
Key Farmers Course (Western)	-	30	30	
Farmers Field Day Course	-	116	150*	
	,	4	•	

^{*}Not yet implemented by end of February 1995.



Observation Tour conducted in February 1993 in western Schemes.

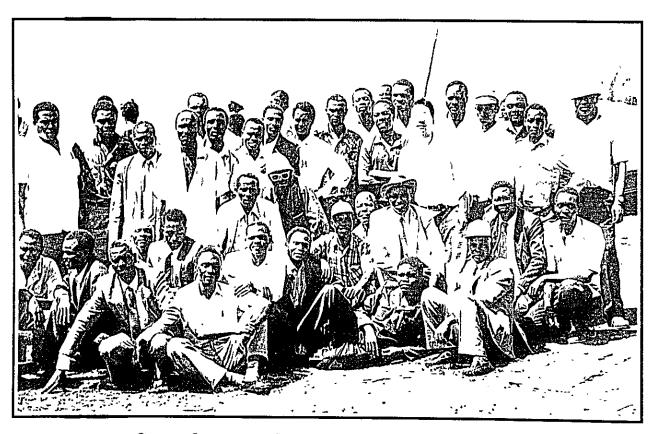
- Fundamentals of Rice Cultivation in the NIB Irrigation Schemes and some Comments on the Mwea Irrigation Agricultural Development Program, August 26th 1991, by Dr. WASANO Kikuo.
- TECHNICAL REPORT No. 1. AUGUST, 1991.
 MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PROJECT (M.I.A.D.)
- TECHNICAL REPORT NO. 1 FATM ECONOMY SURVEY, November 1991, by TANAKA Asao (Author), OZAWA Yoshihiro and TAMURA Masato (Translator)
- Recommendation for Improvement of MIS Water Management, December 19th 1991, by Dr. INOUE Hisayoshi.
- 5. PROGRESS REPORT FEBRUARY, 1992
 MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PROJECT (M.I.A.D.)
- 6. REPORT ON ACTIVITIES, item: Soil Analysis, March 20th 1992, by KONDO Motohiko.
- Technical instruction report on rice breeding, July 24th 1992, by SHINODA Harumi.
- 8. Final Report, Research Planning Short Time Expert, September 9th 1992, by SASAKI Tadakatsu.
- REPORT ON COUNTERPART TRAINING IN JAPAN; IRRIGATION WATER MANAGEMENT COURSE, November 12th 1992, by ABDULLAHI Mohammed.
- 10. Report for MIAD, Kenya; Water Balance Analysis on Paddy Field Irrigation, February 4th 1993, by Dr. INOUE Hisayoshi.
- 11. SHORT TERM EXPERT ON AUDIO VISUAL TECHNOLOGY, February 19th 1993, by SHINOZAKI Katsutoshi.
- 12. Countermeasure for stability of excavated open channels on soft foundation., March 24th 1993, by HORII Kiyoshi.
- 13. PROGRESS REPORT I PROGRESS REPORT ON VERIFICATION TRIAL-, April 1993, by TAMURA Masato and YOSHIDA Akira.
- 14. PROGRESS REPORT, AUGUST, 1993.
 MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PROJECT (M.I.A.D.)
- REPORT ON RICE DISEASE AND PEST DAMAGE AT KISUMU RICE FARM, December 1993, by MAKINO Susumu (Author), YOSHIMURA Tetsuya (Translator).
- REPORT ON RICE DISEASE AND PEST DAMAGE AT MIAD PROJECT FARM, December 1993, by MAKINO Susumu (Author), YOSHIMURA Tetsuya (Translator).
- 17. TRAINING REPORT ON FARM MECHANIZATION II COURSE HELD AT TSUKUBA INTERNATIONAL AGRICULTURAL TRAINING CENTRE IN JAPAN FROM 2/3/93 TO 17/11/93, by ADOLI Hebron Litsulitsa.
- 18. REPORT ON: 1993 IRRIGATION AND DRAINAGE COURSE II IN TSUKUBA INTERNATIONAL AGRICULTURAL TRAINING CENTRE (TIATC) JICA, by KAMUNDIA Simon Mwangi.



Training Courses Implemented and Number of Trainees Benefited

COURSE (Japan Fiscal Year)	1992/1993	1993	1994	1995/1996
Senior Management Course	17	29	14	
Water Management Course	35	29	18	
Tractor Operators Course	29	27	10	
Mechanics Course	30	27	8	
Workshop Foremen Course	7	9	15	
Field Assistants Course	37	62	25	
Key Farmers Course (Mwea)	35	78	90 .	
Observation Tour	67	-	60	
Management (Administration) Course	30	-	-	
Senior Operators Course	13	-	13	
Key Farmers Course (Western)	-	30	30	
Farmers Field Day Course	-	116	150*	
Total	327-	417	7 441	

^{*}Not yet implemented by end of February 1995



Observation Tour conducted in February 1993 in western Schemes

11. ACTIVITY REPORT IN MIAD _______ Internal Reports made by MIAD ______

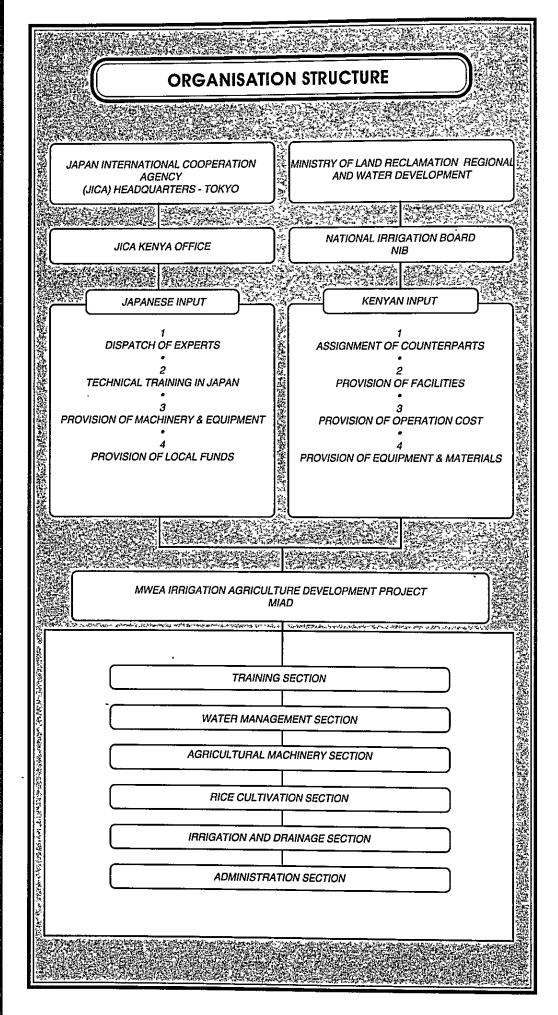
- 1 Fundamentals of Rice Cultivation in the NIB Irrigation Schemes and some Comments on the Mwea Irrigation Agricultural Development Program August 26th 1991 by Dr WASANO Kikuo
- 2 TECHNICAL REPORT No. 1 AUGUST 1991 MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PROJECT (M I A D)
- 3 TECHNICAL REPORT NO 1 FATM ECONOMY SURVEY
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- 6 REPORT ON ACTIVITIES Item Soil Analysis
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- 9 REPORT ON COUNTERPART TRAINING IN JAPAN IRRIGATION WATER MANAGEMENT COURSE November 12th 1992 by ABDULLAHI Mohammed
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- 14 PROGRESS REPORT AUGUST 1993
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- 15 REPORT ON RICE DISEASE AND PEST DAMAGE AT KISUMU RICE FARM December 1993 by MAKINO Susumu (Author) YOSHIMURA Tetsuya (Translator)
- 16 REPORT ON RICE DISEASE AND PEST DAMAGE AT MIAD PROJECT FARM December 1993 by MAKINO Susumu (Author) YOSHIMURA Tetsuya (Translator)
- 17 TRAINING REPORT ON FARM MECHANIZATION II COURSE HELD AT TSUKUBA INTERNATIONAL AGRICULTURAL TRAINING CENTRE IN JAPAN FROM 2 3 93 TO 17 11 93 by ADOLI Hebron Litsulitsa
- 18 REPORT ON 1993 IRRIGATION AND DRAINAGE COURSE II IN TSUKUBA INTERNATIONAL AGRICULTURAL TRAINING CENTRE (TIATC) JICA by KAMUNDIA Simon Mwangi



- 19. JICA TRAINING 1993, by SHISANYA Stephen Odede.
- 20. REPORT ON FIELD OBSERVATION AND TECHNICAL EXCHANGE IN THAILAND, December 1993, by MOHDHAR A.A., WANJOGU Raphael K., ABDULLAHI Mohammed, MURAO Shigenobu, and TANAKA Seiji.
- 21. STANDARD OF RICE CULTIVATION, 1993, MIAD PROJECT RICE CULTIVATION BRANCH.
- 22. PROPOSED WATER DISTRIBUTION PLAN FOR M.I.S., February 1994, by Water Management Section in M.I.A.D. Project.
- 23. REPORT ON ACTIVITIES, item: Soil and plant analysis, March 14th 1994, by KONDO Motohiko.
- 24. Report for MIAD Project, Kenya, Water Distribution Management in MIS, March 18th 1994, by Dr. MIZUTANI Masakazu.
- 25. PROGRESS REPORT, MARCH, 1994
 MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PROJECT (M.I.A.D.)
- 26. Soil Mechanical Structure Analysis in Mwea Irrigation Agriculture Development Project, April 15th 1994, by YAMASHITA Tuneo.
- 27. PROGRESS REPORT II RESULTS OF CROPPING PATTERN VERIFICATION TRIALS OF 1993 SEASON AND PROGRESS REPORTS ON 1994 CROPPING SEASON, April 25th 1994, by TAMURA Masato, MUGAMBI Gitonga and WAYU Said Jilo.
- 28. PROGRESS REPORT, JUNE 1994,
 MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PROJECT (M.I.A.D.)
- 29. PROGRESS REPORT III.
 October 20th 1994, by TAMURA Masato and MUGAMBI Gitonga.
- 30. Progress of MIAD Project Activities, November 14th 1994.
- 31. REPORT ON THE GROUP TRAINING COURSE IN AGRICULTURE EXTENSION SERVICE FOR LEADER II: 1994. (JICA FUNDED) 08 TH MAY, 1994 TO 31ST JULY, 1994, December 1994, by AMANI Norman Odongo.
- 32. M.I.S. WATER MANAGEMENT REPORT 1994 December 1994, by Water Management Section.
- 33. DESIGN, CONSTRUCTION, AND INSTALLATION OF SMALL CONCRETE STRUCTURES FOR IRRIGATION AND DRAINAGE,
 December 1994, by NAMBA Toshiaki, YOSHIDA Seikou, and KAMUNDIA Simon Mwangi.
- **-34. PROGRESS REPORT, JULY 1994 FEBRUARY, 1995., MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PROJECT (M.I.A.D.)
 - 35. COUNTRY REPORT ON FARM MECHANIZATION IN KENYA, February, 1955 by MWAI Samuel Bundi
 - 36. REPORT ON THE MWEA IRRIGATION AGRICULTURAL DEVELOPMENT PLAN IN KENYA BY SHORT-TERM ASSIGNMENT EXPERTS OF LAND IMPROVEMENT March 6th 1995, by YOSHIDA Seiko.
 - 37. SOIL PHYSICAL DIAGNOSIS FOR SUITABLE DRYLAND CULTIVATION March 9th 1995, by H.L. ADOLI, R.E. NJAGI and Dr. S. HASEGAWA.

ANNEX

- Organization Structure
- Japanese Input(Long Term and Short Term Experts)
- ☐ Japanese Input
 (Technical Training in Japan,
 Technical Cooperation Equipment,
 and Provision of Local Funds)
- Grant Aid Equipment List
- □ Layout of Facilities
- Pilot Farm
- Location of M.I.A.D. Project



JAPANESE INPUT LONG TERM AND SHORT TERM EXPERTS

LONG TERM EXPERTS

EXPERT: Naoji UCHIYAMA FUNCTION: Water Management PERIOD: 1.2.1991 TO 31.1.1993

EXPERT: Masato TAMURA FUNCTION: Coordination and Training PERIOD: 1.2.1991 TO 9.10.1993 **FUNCTION: Training**

10.10.1993 TO 31.1.1996 PERIOD:

EXPERT: Shigenobu MURAO FUNCTION: Team Leader

PERIOD: 17.4.1991 TO 31.1.1996

EXPERT:

FUNCTION: Rice Cultivation PERIOD: 17.4.1991 TO 31.1. 1996

Toshinari OTA

EXPERT: Akira YOSHIDA FUNCTION: Agricultural Machinery 17.4.1991 TO 16.4.1995 PERIOD:

EXPERT: Yoshihiro OZAWA FUNCTION: Irrigation and Drainage 2.7.1991 TO 1.7.1994 PERIOD:

EXPERT: Seiji TANAKA FUNCTION: Water Management 21.1.1993 TO 20.1.1996 PERIOD:

EXPERT: Tetsuya YOSHIMURA FUNCTION: Coordinator

6.10.1993 TO 3.2.1996 PERIOD:

EXPERT: Toshiaki NAMBA **FUNCTION: Irrigation and Drainage** PERIOD: 15.6.1994 TO 3.2.1996

SHORT TERM EXPERTS

EXPERT: Kikuo WASANO

FUNCTION: Breeding

PERIOD: 1.8.1991 TO 29.8.1991

Asao TANAKA **EXPERT:** FUNCTION: Agricultural Economy PERIOD. 8.10.1991 TO 6.12.1991

EXPERT: Hisayoshi INOUE FUNCTION: Water Balance Studies. PERIOD: 23.11.1991 TO 23.12.1991

EXPERT: Motohiko KONDO FUNCTION: Soil Analysis PERIOD: 25.1.1992 TO 24.3.1992

Harumi SHINODA **EXPERT:**

FUNCTION: Breeding

PERIOD: 1.7.1992 TO 29.7.1992

EXPERT: Tadakatu SASAKI FUNCTION: Cultivation Plan PERIOD: 15.8.1992 TO 11.9.1992

Katsutoshi SHINOZAKI **EXPERT:** FUNCTION: Audio Visual

PERIOD: 4.1.1993 TO 6.3.1993

Hisayoshi INOUE **EXPERT:** FUNCTION: Water Balance 10.1.1993 TO 10.2.1993 PERIOD:

Kiyoshi HORII **EXPERT:** FUNCTION: Soil Mechanics PERIOD: 8.3.1993 TO 27.3.1993

Susumu MAKINO **EXPERT:** FUNCTION: Entomology

6.10.1993 TO 27.12.1993 PERIOD:

Motohiko KONDO **EXPERT:** Soil and Fertilizer FUNCTION: 22.1.1994 TO 19.3.1994 PERIOD:

EXPERT: Masakazu MIZUTANI FUNCTION: Water Distribution 22.2.1994 TO 19.3.1994 PERIOD:

Tsuneo YAMASHITA **EXPERT:** FUNCTION: Soil Physics

PERIOD: 30.3.1994 TO 18.4.1994

EXPERT: Seikou YOSHIDA Irrigation and Drainage FUNCTION: PERIOD: 7.9.1994 TO 29.10.1994

Shuichi HASEGAWA **EXPERT:**

FUNCTION: Soil Physics

15.2.1995·TO 15.3.1995 PERIOD:



JAPANESE INPUT

TECHNICAL TRAINING IN JAPAN, TECHNICAL COOPERATION EQUIPMENT, AND PROVISION OF LOCAL FUNDS

TECHNICAL TRAINING IN JAPAN

NAME: COURSE: PERIOD:

NAME:

COURSE:

PERIOD:

A.A. MOHDHAR Inspection Tour

28.3.1991 TO 16.4.1991

B.B. BARGORIA Inspection Tour

30.3.1992 TO 18.4.1992

NAME: S.M. GITONGA
COURSE: Inspection Tour
PERIOD: 30.3.1992 TO 18.4.1992

NAME: M.O. AGOT
COURSE: Inspection Tour

PERIOD: 30.3.1992 TO 18.4.1992

NAME: S.N. ALUKONYA
COURSE: Agricultural Extension Service

for Leader II

PERIOD: 14.4.1992 TO 19.7.1992

NAME: Mohammed ABDULLAHI
COURSE: Irrigation Water Management
5.5.1992 TO 30.10.1992

NAME: Simon Mwangi KAMUNDIA
COURSE: Irrigation and Drainage II
7.2.1993 TO 18.11.1993

NAME: Hebron Litsulitsa ADOLI
COURSE: Farm Mechanization II
PERIOD: 14.2.1993 TO 18.11.1993

NAME: Stephen Odede SHISANYA
COURSE: Rice Breeding

PERIOD: 8.5.1993 TO 4.11.1994

NAME: J.P. OLUM
COURSE: Inspection Tour
PERIOD: 7.6.1993 TO 26.6.1993

NAME: Said Jilo WAYU
COURSE: Rice Production

PERIOD: 28.2.1994 TO 20.10.1994

NAME: Norman Odongo AMANI
COURSE: Agricultural Extension Service

for Leader II

PERIOD: 10.5.1994 TO 31.7.1994

NAME: E.K. CHESEREM
COURSE: Inspection Tour
PERIOD: 13.7.1994 TO 6.8.1994

NAME: Joseph Munyoro NJIRIMA
COURSE: Rice Production

PERIOD: 6.2.1995 TO 28.10.1995

NAME: Samuel Bundi MWAI
COURSE: Farm Mechanization II
20.2.1995 TO 24.11.1995

NAME: Gitonga MUGAMBI
COURSE: Rice Production
PERIOD: 27.2.1995 TO 27.10.1995

1991 1992 TECHNICAL COOPERATION EQUIPMENT: KShs. 23,200,000/-

Tractor, Mini Bus, Computer, Pajero, Power Thresher, Disc Plow, Disc Harrow, Rainfall Recorder, Drive Harrow, Rotary Tiller, Power Tiller

PROVISION OF LOCAL FUNDS: KShs. 2,749,000/-

1992 1993 TECHNICAL COOPERATION EQUIPMENT: KShs. 11,600,000/-

Hydraulic Excavator, Tractor (Cut Model), Laboratory Apparatus, Pick-Up Truck, Dump Truck, Rosa Bus, Motor Cycle, Sample Seed Storage Cabinet

PROVISION OF LOCAL FUNDS: KShs. 8,896,000/-

1993 1994 TECHNICAL COOPERATION EQUIPMENT: KShs. 18,600,000/-

Tractor, Trailer, Engine Cut Model, Multi Auto Counter, Spectrophotometer, Cater Fractionating Aspirator, Copy Machine, Laboratory Apparatus Spare Parts of tractor, Hydraulic Excavator and Bulidozer.

PROVISION OF LOCAL FUNDS: KShs. 9,493,000/-

1994 1995 TECHNICAL COOPERATION EQUIPMENT: KShs. 19,200,000/-

Tractor, Laboratory Equipment, Motor Cycle, Laboratory Apparatus, Spare Parts for Tractors, Hydraulic Excavator and Bulldozer

PROVISION OF LOCAL FUNDS: KShs. 9,100,000/-

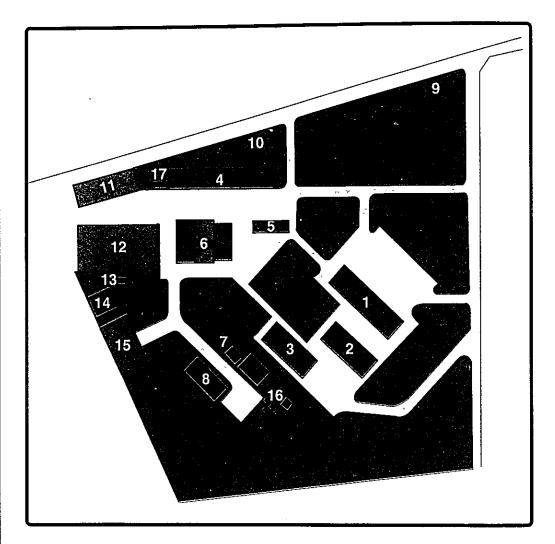
^{*}Japan fiscal year starts April to March in the next year.

^{*}Kenya Shillings are converted to Yen @ 1 Kshs. = 2.0 yen.

Grant Aid Equipment _

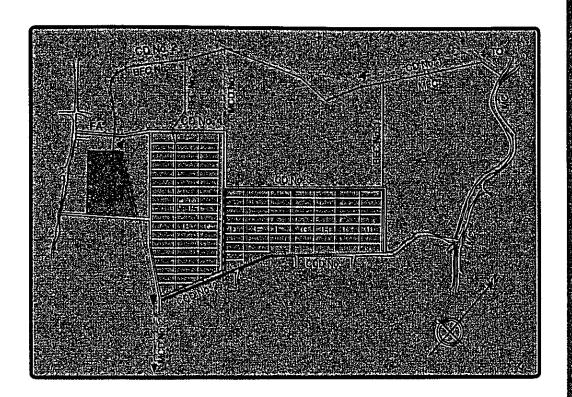
NO.	DESCRIPTION (MAKER, MODEL TYPE)	QT.	FIELD OF EQUIPMENT	SECTION IN CHARGE
G-110	KOMATSU Crawler Tractor (Model: DP31P-18)		Cons. Mach.	Irrigation & Drainage
G-002	KUBOTA Farm Tractor (Model: M6030DT)	L unit	Tractor	Agr. Mach. Sect.
G-003	KUBOTA Hand Tractor (Model: K120)	1 unit	Tractor	Agr. Mach. Sect.
G-004	Disk Plow (TDP 263)	a unit	Farm Mach.	Agr. Mach. Sect.
Ğ-005	Chisel Plow (TCP 400)	信 unit w	Farm Mach.	Agr. Mach. Sect.
G-006	Disk Harrow (Model: DHT 2820)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-007	Subsoiler (Model, TSS-2)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-008	Rotary Tiller (Model: MX1700)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-009	Drive Harrow (Model: HL 3401B)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-010	Float Strake For M6030DT	1 unit	Farm Mach.	Agr. Mach. Sect.
G-011	Cage Wheel For M6030DT	≥1 set	Farm Mach.	Agr. Mach. Sect.
G-012	Broad Caster (Model: MBC 5530)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-013	Rotary Cutter (Model: MRC 150C)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-014	Trailer (Model: DT 5000A)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-015	Reaper (Model: AR120)	at unit	Farm Mach.	Agr. Mach. Sect.
G-016	Sprayer (Model: MSP 5000)	1 unit	Farm Mach.	Agr. Mach. Sect.
G-017	Carpet Duster (Model: CDM-2)	1 unit	Workshop Equip.	Agr. Mach. Sect.
G-018	Knapsack Sprayer	1 unit	Farm Mach.	Agr. Mach. Sect.
G-019	OKI Facsimile Machine (Model: OF-17H)	1 unit	Off. Equip.	Team Leader
G-020	CANON Photocopy Machine (NP-1215)	1 Unit	Photocopier	Officer in Charge
G-021	Recording Rainfall Gauge	1 unit	Meteorol: Equip	Water Mgt. Sect.
G-022 =	Thermo-hydrograph Meter	1, unit	Meteorol: Equip.	Water Mgt. Sect.
G-023	Windvane Anemometer	1 unit	1.20 SUNTERS	Water Mgt. Sect.
G-024	Large-scale Evaporimeter	氢1 unit資	Meteorol. Equip.	Water Mgt. Sect
G-025	Sunshine Sensor & Recorder	1 unit	Meteorol. Equip.	Water Mgt. Sect.
G-026	Solar Radiation Recorder	1 unit	Meteorol. Equip.	Water Mgt. Sect.
G-027	Fuess-type Psychrometer	1 unit	Meteorol. Equip.	Water Mgt. Sect.
G-028	Fuess-type Maximum-minimum Thermometer	1 unit	Meteorol. Equip.	Water Mgt. Sect.
G-029	Instrument Shelter	1 set	Meteorol. Equip.	Water Mgt. Sect.
G-030	Measuring Supporting Pole	1 set	Meteorol. Equip.	Water Mgt. Sect.

The grant aid equipment for the pilot farm was received in the middle of October, 1991.



- 1 MAIN OFFICE
- 2 TRAINING ROOM
- 3 LABORATORY
- 4 GARAGE
- 5 WORKSHOP
- 6 ROOFED DRYING YARD
- 7 SEED STORE
- 8 I&D EXPERIMENT ROOM
- 9 FIELD OFFICE
- 10 GUARD HOUSE

- 11 CONSTRUCTION YARD
- 12 DRYING YARD
- 13 METEOROLOGICAL ROOM
- 14 METEOROLOGICAL STATION
- 15 PARKING YARD
- 16 PUMP HOUSE
- 17 FUEL STORE



MFC MAIN FEEDER CANAL

BFC BRANCH FEEDER CANAL

FC FEEDER CANAL

CD CATCH DRAIN

MCD MAIN COLLECTOR DRAIN

FD' FIELD DRAIN

FR FARM ROAD

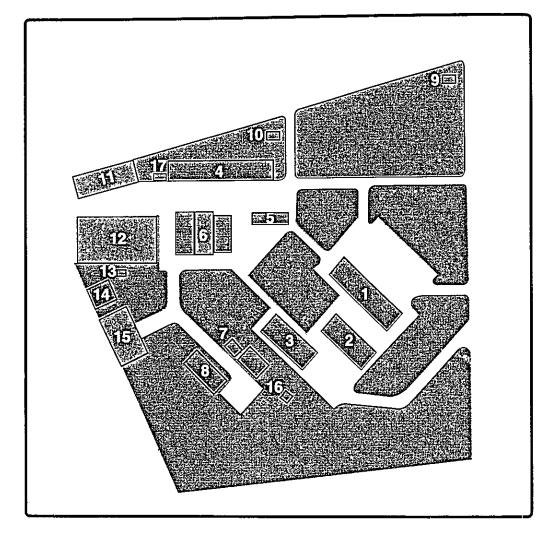
OB OFFICE BUILDING

CCD COLLECTOR DRAIN

MC MAIN CANAL

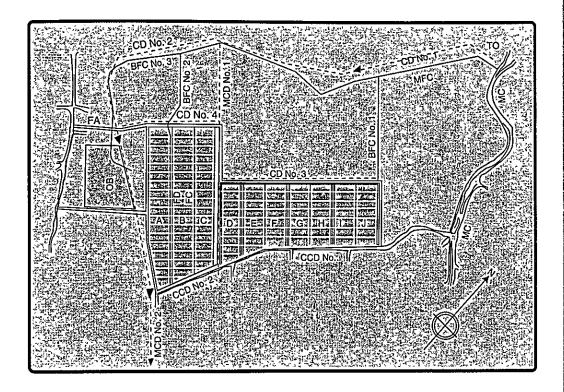
TO TURNOUT

PADDY FIELD - 35ha



- 1 MAIN OFFICE
- 2 TRAINING ROOM
- 3 LABORATORY
- 4 GARAGE
- 5 WORKSHOP
- 6 ROOFED DRYING YARD
- 7 SEED STORE
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 - 12 DRYING YARD
 - 13 METEOROLOGICAL ROOM
 - 14 METEOROLOGICAL STATION
 - 15 PARKING YARD
- 16 PUMP HOUSE
 - 17 FUEL STORE



MFC MAIN FEEDER CANAL

BFC BRANCH FEEDER CANAL

FC FEEDER CANAL

CD CATCH DRAIN

MCD MAIN COLLECTOR DRAIN

FD FIELD DRAIN

FR FARM ROAD

OB OFFICE BUILDING

CCD COLLECTOR DRAIN

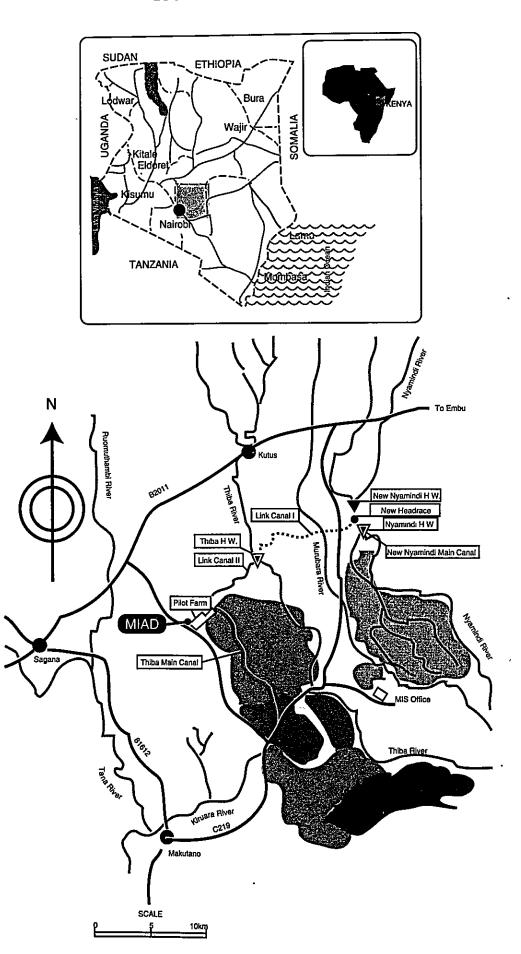
MC MAIN CANAL

TO TURNOUT

PADDY FIELD - 35ha



Location of MIAD Project



Location of MIAD Project

