

ANNEX3 List of Equipment Provided by the Government of Japan

Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
1100102	PC Desktop Computer COMPAQ EXD/P866	6,370 LE	Yes		Pentium III 866MHz S/N 8115FR4Z076H
1100103	PC Desktop Computer COMPAQ EXD/P866	6,370 LE	Yes		Pentium III 866MHz S/N 8116FR4Z0JMF
1100104	PC Desktop Computer Super power (Egyptian assembly)	4,350 LE	Yes		Pentium III 1GHz
1100105	PC Desktop Computer Super power (Egyptian assembly)	4,350 LE	Yes		Pentium III 1GHz
1100106	PC Desktop Computer Super power (Egyptian assembly)	4,350 LE	Yes		Pentium III 1GHz
1100107	PC Desktop Computer Super power (Egyptian assembly)	4,350 LE	Yes		Pentium III 1GHz
1100108	PC Desktop Computer Super power (Egyptian assembly)	4,350 LE	Yes		Pentium III 1GHz
1100202	PC Monitor ADI Micro Scan G1000 21'	4,900 LE	Yes		S/N 042058T00206415A
1100203	PC Monitor ADI Micro Scan G1000 21'	4,900 LE	Yes		S/N 042058T00206418A
1100204	PC Monitor OMEGA 1 SA-566N	0 LE	Yes		FXOE170098948 Price is included in PC
1100205	PC Monitor OMEGA 1 SA-566N	0 LE	Yes		FXOE170099086 Price is included in PC
1100206	PC Monitor OMEGA 1 SA-566N	0 LE	Yes		FXOE170099007 Price is included in PC
1100207	PC Monitor OMEGA 1 SA-566N	0 LE	Yes		FXOE170099085 Price is included in PC
1100208	PC Monitor OMEGA 1 SA-566N	0 LE	Yes		FXOE170099 Price is included in PC
1101006	PC Notebook Computer COMPAQ Presario 1714EA	10,500 LE	Yes		Pentium III 1GHz S/N 5Y1CKDKG42WT
1115006	PC Mouse DL-M809	0 LE	Yes		S/N M0011003183 Price is included in PC
1115007	PC Mouse Super Star KM-203P Key mouse	0 LE	Yes		S/N 601020543657 Price is included in PC
1115008	PC Mouse Super Star KM-203P Key mouse	0 LE	Yes		S/N 601030176528 Price is included in PC
1115009	PC Mouse Super Star KM-203P Key mouse	0 LE	Yes		S/N 601020530115 Price is included in PC
1115010	PC Mouse Super Star KM-203P Key mouse	0 LE	Yes		S/N 601030176528 Price is included in PC
1116001	PC Keyboard Penguin KB-1307	0 LE	Yes		S/N 00428084 Price is included in PC
1116002	PC Keyboard Penguin KB-1307	0 LE	Yes		S/N 00428088 Price is included in PC
1116003	PC Keyboard Penguin KB-1307	0 LE	Yes		S/N 00428087 Price is included in PC
1116004	PC Keyboard Penguin KB-1307	0 LE	Yes		S/N 00428082 Price is included in PC
1116005	PC Keyboard Penguin KB-1307	0 LE	Yes		S/N 00428086 Price is included in PC
1117001	PC Speaker FALCON MS-582	0 LE	Yes		Price is included in PC
1117002	PC Speaker TS-128	0 LE	Yes		Price is included in PC
1117003	PC Speaker TS-128	0 LE	Yes		Price is included in PC
1117004	PC Speaker TS-128	0 LE	Yes		Price is included in PC
1117005	PC Speaker TS-128	9 LE	Yes		Price is included in PC
1121006	PC Software MS-Office Premium (E)	3,100 LE	Yes		
1121007	PC Software MS-Office Premium (E)	3,100 LE	Yes		
1121010	PC Software MS-Office XP Professional(E)	3,000 LE	Yes		
1121011	PC Software MS-Office XP Professional(E)	3,000 LE	Yes		
1121012	PC Software MS-Office XP Professional(E)	3,000 LE	Yes		
1121013	PC Software MS-Office XP Professional(E)	3,000 LE	Yes		
1121014	PC Software MS-Office XP Professional(E)	3,000 LE	Yes		
1123002	PC Software MS-Project 2000	2,100 LE	Yes		
1123003	PC Software MS-Project 2000	2,100 LE	Yes		
1125102	PC Software AutoCAD 2000	11,000 LE	Yes		
1125202	PC Software ArcView 3.2a	11,500 LE	Yes		
1127001	PC Software FORTRAN LF95 Prof. Ver. 5.6	276,000 YEN	Yes		

Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
1128101	PC Software Primavera Project Planner	15,000 LE	No	Mar. 2002 -. Under Preparation of installation	
1128102	PC Software Primavera Project Planner	15,000 LE	No		ditto
1131006	PRINTER (LASER) HP LaserJet 5000N	9,300 LE	Yes		S/N NLT3087405
1131007	PRINTER (LASER) HP LaserJet 5000N	9,300 LE	Yes		S/N NLT3101347
1131009	PRINTER HP Disk Jet 940C	1,350 LE	Yes		S/N HU1A21N2RJ
1131010	PRINTER HP Disk Jet 940C	1,350 LE	Yes		S/N HU1A21N2QV
1131011	PRINTER (LASER) HP Laser Jet 1200	1,650 LE	Yes		S/N CNCRP75007
1131012	PRINTER (LASER) HP Laser Jet 1200	1,650 LE	Yes		S/N CNCF161509
1161001	Color Plotter main unit HP Design Jet 800PS (1067mm B0)	1,100,000 YEN	Yes		
1161101	Color Plotter Network IF card HP J4169A	62,000 YEN	Yes		
1162101	Color Plotter Print cartridge Black HP C4844AA#002	6,000 YEN	Yes		
1162102	Color Plotter Print cartridge Black HP C4844AA#002	6,000 YEN	Yes		
1162103	Color Plotter Print cartridge Black HP C4844AA#002	6,000 YEN	Yes		
1162104	Color Plotter Print cartridge Black HP C4844AA#002	6,000 YEN	Yes		
1162105	Color Plotter Print cartridge Black HP C4844AA#002	6,000 YEN	Yes		
1162201	Color Plotter Print cartridge Cyan HP C4911A	6,000 YEN	Yes		
1162202	Color Plotter Print cartridge Cyan HP C4911A	6,000 YEN	Yes		
1162203	Color Plotter Print cartridge Cyan HP C4911A	6,000 YEN	Yes		
1162204	Color Plotter Print cartridge Cyan HP C4911A	6,000 YEN	Yes		
1162205	Color Plotter Print cartridge Cyan HP C4911A	6,000 YEN	Yes		
1162301	Color Plotter Print cartridge Magenta HP C4912A	6,000 YEN	Yes		
1162302	Color Plotter Print cartridge Magenta HP C4912A	6,000 YEN	Yes		
1162303	Color Plotter Print cartridge Magenta HP C4912A	6,000 YEN	Yes		
1162304	Color Plotter Print cartridge Magenta HP C4912A	6,000 YEN	Yes		
1162305	Color Plotter Print cartridge Magenta HP C4912A	6,000 YEN	Yes		
1162401	Color Plotter Print cartridge Yellow HP C4913A	6,000 YEN	Yes		
1162402	Color Plotter Print cartridge Yellow HP C4913A	6,000 YEN	Yes		
1162403	Color Plotter Print cartridge Yellow HP C4913A	6,000 YEN	Yes		
1162404	Color Plotter Print cartridge Yellow HP C4913A	6,000 YEN	Yes		
1162405	Color Plotter Print cartridge Yellow HP C4913A	6,000 YEN	Yes		
1162501	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162502	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162503	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162504	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162505	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162506	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162507	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162508	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162509	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162510	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162511	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162512	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162513	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162514	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		

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1162515	Color Plotter Thick coated paper HP C6029C (610mmx30m)	8,000 YEN	Yes		
1162601	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162602	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162603	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162604	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162605	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162606	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162607	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162608	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162609	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162610	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162611	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162612	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162613	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162614	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162615	Color Plotter Thick coated paper HP C6030C (914mmx30m)	11,000 YEN	Yes		
1162701	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162702	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162703	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162704	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162705	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162706	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162707	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162708	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162709	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162710	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162711	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162712	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162713	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162714	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1162715	Color Plotter Thick coated paper HP C6569C (1067mmx30m)	14,000 YEN	Yes		
1171003	SCANNER HP Scan Jet 6300C	1,750 LE	Yes		S/N SG083260SS
1171004	SCANNER HP Scan Jet 6300C	1,750 LE	No	Mar. 2001 - Under Preparation of transfer to KFS	S/N SG083260RS
1201001	Copy Machine CANON GP225	42,845 LE	Yes		Cairo Office
1201002	Copy Machine CANON GP225	42,845 LE	Yes		Tanta Office
1301004	Digital Camera SONY DSC-S70	133,000 YEN	Yes		
1301005	Digital Camera SONY DSC-S70	133,000 YEN	Yes		
1303003	Digital Camera 64MB Memory stick SONY MSA-64AN (DSC-S70)	20,000 YEN	Yes		
1303004	Digital Camera 64MB Memory stick SONY MSA-64AN (DSC-S70)	20,000 YEN	Yes		
1303005	Digital Camera 64MB Memory stick SONY MSA-64AN (DSC-S70)	20,000 YEN	Yes		
1303006	Digital Camera 64MB Memory stick SONY MSA-64AN (DSC-S70)	20,000 YEN	Yes		
1304003	Digital Camera FD adaptor SONY MSAC-FD2M (DSC-S70)	10,000 YEN	Yes		
1304004	Digital Camera FD adaptor SONY MSAC-FD2M (DSC-S70)	10,000 YEN	Yes		
1305003	Digital Camera Soft carrying case SONY LCS-CSC (DSC-S70)	5,000 YEN	Yes		

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1305004	Digital Camera Soft carrying case SONY LCS-CSC (DSC-S70)	5,000 YEN	Yes		
1306003	Digital Camera Battery pack SONY NP-FM50 (DSC-S70)	9,000 YEN	Yes		
1306004	Digital Camera Battery pack SONY NP-FM50 (DSC-S70)	9,000 YEN	Yes		
1306005	Digital Camera Battery pack SONY NP-FM50 (DSC-S70)	9,000 YEN	Yes		
1306006	Digital Camera Battery pack SONY NP-FM50 (DSC-S70)	9,000 YEN	Yes		
1306007	Digital Camera Battery pack SONY NP-FM50 (DSC-S70)	9,000 YEN	Yes		
1306008	Digital Camera Battery pack SONY NP-FM50 (DSC-S70)	9,000 YEN	Yes		
1308001	Digital Camera Manual (English) (DSC-S70)	3,000 YEN	Yes		
1308002	Digital Camera Manual (English) (DSC-S70)	3,000 YEN	Yes		
1311002	Digital Video Camera SONY DCR-TRV30E	200,000 YEN	No	Aug. 2002 -, Under Preparation of transfer to Tanta	
1312101	Digital Video Camera Battery Pack SONY NP-QM70	10,000 YEN	Yes		
1315116	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315117	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315118	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315119	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315120	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315121	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315122	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315123	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315124	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315125	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315126	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315127	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315128	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315129	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315130	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315131	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315132	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315133	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315134	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1315135	Digital Video Tape (60min) DVM60RM	1,500 YEN	Yes		
1317002	Television TOSHIBA City FACE 34D9DXM	9,610 LE	No	Feb. 2002 -, Under Preparation of transfer KFS / Biyala	S/N 60291943
1317003	Television TOSHIBA City FACE 34D9DXM	9,610 LE	No	ditto	S/N 20293442
1317101	Television stand VEGA-3480	730 LE	No	ditto	
1317102	Television stand VEGA-3480	730 LE	No	ditto	
1318002	VHS Video Deck TOSHIBA V-E78	1,150 LE	No	ditto	S/N 19924068
1318003	VHS Video Deck TOSHIBA V-E78	1,150 LE	No	ditto	S/N 19924063
1402005	Transformer (for Lighting Book)	6,000 YEN	Yes		
1504003	LAN Switching Hub LD-SW08C (with Transformer)	16,000 YEN	Yes		
1504004	LAN Switching Hub LD-SW08C (with Transformer)	16,000 YEN	Yes		
1508003	LAN Cable 300m BLACKBOX EYN739A-B	89,000 YEN	Yes		
1508004	LAN Cable (3m 5 Nos) UTP5-3B	15,000 YEN	Yes		
1508005	LAN Cable (3m 5 Nos) UTP5-3B	15,000 YEN	Yes		

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1508006	LAN Cable (3m 5 Nos) UTP5-3B	15,000 YEN	Yes		
1511002	LAN RJ-45 Plug (25 Pcs) CT-RJ45-010	14,000 YEN	Yes		
1511003	LAN RJ-45 Plug (25 Pcs) CT-RJ45-010	14,000 YEN	Yes		
1621003	Transceiver FTH-301RT	38,000 YEN	Yes		
1621004	Transceiver FTH-301RT	38,000 YEN	Yes		
1621101	Transceiver Battery Charger NC-52	7,600 YEN	Yes		
1621102	Transceiver Battery Charger NC-52	7,600 YEN	Yes		
1621131	Transceiver Battery FNB-301	4,400 YEN	Yes		
1621132	Transceiver Battery FNB-301	4,400 YEN	Yes		
1621151	Transceiver Transformer SE-25	3,900 YEN	Yes		
1621152	Transceiver Transformer SE-25	3,900 YEN	Yes		
1701101	Range Finder	80,000 YEN	Yes		
1711102	Current Meter (Electro-Magnetic) KENEK LP1300	990,000 YEN	Yes		with Detection part (LPT2-200-08PS)
1712001	Water Pressure Logger Hope Hydrology	2,500 \$	Yes		
1712002	Water Pressure Logger Hope Hydrology	2,500 \$	Yes		
1712003	Water Pressure Logger Hope Hydrology	2,500 \$	Yes		
1712004	Water Pressure Logger Hope Hydrology	2,500 \$	Yes		
1712005	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	Mar. 2002 -, Under Preparation of installation	
1712006	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712007	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712008	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712009	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712010	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712011	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712012	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712013	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712014	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712015	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712016	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712017	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712018	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712019	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1712020	Water Pressure Logger Tirtaharapan (Hope Hydrology Co.)	2,100 \$	No	ditto	
1714001	Water-level gauge (Float type)	1,055 \$	No	Feb. 2002 -, Under Preparation of installation	
1714002	Water-level gauge (Float type)	1,055 \$	No	ditto	
1714003	Water-level gauge (Float type)	1,055 \$	No	ditto	
1714004	Water-level gauge (Float type)	1,055 \$	No	ditto	
1721001	Open Channel Flow meter Polysonic	23,500 LE	Yes		
1722001	Solar Panel for Flow meter Solalix Delta-Steca	17,900 LE	Yes		
1731101	Parshall measuring flume	225 LE	Yes		
1731102	Parshall measuring flume	225 LE	Yes		
1731103	Parshall measuring flume	225 LE	Yes		
1731104	Parshall measuring flume	225 LE	Yes		

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1731105	Parshall measuring flume	225 LE	Yes		
1731106	Parshall measuring flume	225 LE	Yes		
1731107	Parshall measuring flume	225 LE	Yes		
1731108	Parshall measuring flume	225 LE	Yes		
1731109	Parshall measuring flume	225 LE	Yes		
1731110	Parshall measuring flume	225 LE	Yes		
1801002	Hygro-Thermograph 3-3126	34,000 YEN	Yes		
1801003	Hygro-Thermograph 3-3126	34,000 YEN	Yes		
1801004	Hygro-Thermograph 3-3126	34,000 YEN	Yes		
1801103	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801104	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801105	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801106	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801107	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801108	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801109	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801110	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801111	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801112	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801113	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801114	Hygro-Thermograph Chart (15sheets/set)	2,000 YEN	Yes		
1801201	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801202	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801203	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801204	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801205	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801206	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801207	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801208	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801209	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801210	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801211	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801212	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801213	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801214	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1801215	Hygro-Thermograph Spare pen (purple)	2,000 YEN	Yes		
1812002	Soil Moisture Meter FUJIWARA SPAD PF-33	172,000 YEN	Yes		
1812003	Soil Moisture Meter FUJIWARA SPAD PF-33	172,000 YEN	Yes		
1812004	Soil Moisture Meter High-pF sensor FUJIWARA 2127	49,000 YEN	Yes		
1812005	Soil Moisture Meter High-pF sensor FUJIWARA 2127	49,000 YEN	Yes		
1812101	Moisture Point MP-917	1,018,600 YEN	Yes		S/N 2001-124-DL
1812111	Moisture Point Spare Battery GS PE12V7.2	12,000 YEN	Yes		
1812112	Moisture Point Spare Battery GS PE12V7.2	12,000 YEN	Yes		
1812121	Moisture Point Exclusive Battery Charger ALPS BA-3A2-12VT	24,000 YEN	Yes		S/N 01040207
1812131	Moisture Point Exclusive data Logger Set (with data reading software)	400,000 YEN	Yes		

Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
1812141	Moisture Point Transformer SD-221 100W	0 YEN	Yes		
1812151	Moisture Point AC Adaptor DK-079-A 9V 500mA	0 YEN	Yes		
1812161	Moisture Point Tool set	160,000 YEN	Yes		
1831001	Soil Electric Conductivity Meter FUJIWARA SPAD PK-33	161,000 YEN	Yes		
1831002	Soil Electric Conductivity Meter FUJIWARA SPAD PK-33	161,000 YEN	Yes		
1831003	Soil Electric Conductivity Meter FUJIWARA SPAD PK-33	161,000 YEN	Yes		
1841001	Soil pH Meter FUJIWARA SPAD PHS-120	122,000 YEN	Yes		
1841002	Soil pH Meter FUJIWARA SPAD PHS-120	122,000 YEN	Yes		
1841003	Soil pH Meter FUJIWARA SPAD PHS-120	122,000 YEN	Yes		
1841101	Soil pH Meter Electrode Type: 6550	27,000 YEN	Yes		
1841102	Soil pH Meter Electrode tip Type: 5080L	6,000 YEN	Yes		
1851001	Soil Hardness Tester YAMANAKA System std. Type	56,000 YEN	Yes		
1851002	Soil Hardness Tester YAMANAKA System std. Type	56,000 YEN	Yes		
1851003	Soil Hardness Tester YAMANAKA System std. Type	56,000 YEN	Yes		
1861001	Soil Boring Stick (with case)	53,000 YEN	Yes		
1861002	Soil Boring Stick (with case)	53,000 YEN	Yes		
1871001	Standard Soil Color Chart	17,000 YEN	Yes		
1881001	Lux Meter TN-10	45,000 YEN	Yes		
1881002	Lux Meter TN-10	45,000 YEN	Yes		
1921001	Spectrophotometer Set DREL/2010-22 type	803,000 YEN	No	Mar. 2002 -, Under Preparation of technology transfer	
1921101	Spectrophotometer Sample Cell 2pcs set 25ml 20950-00	10,000 YEN	No	ditto	
1921102	Spectrophotometer Sample Cell 2pcs set 25ml 20950-00	10,000 YEN	No	ditto	
1921103	Spectrophotometer Sample Cell 2pcs set 25ml 20950-00	10,000 YEN	No	ditto	
1921201	Spectrophotometer Sample Cell 2pcs set 24954-02	11,000 YEN	No	ditto	
1921202	Spectrophotometer Sample Cell 2pcs set 24954-02	11,000 YEN	No	ditto	
1921203	Spectrophotometer Sample Cell 2pcs set 24954-02	11,000 YEN	No	ditto	
1921301	Spectrophotometer Delivery tube 5pcs set 17205-00	1,300 YEN	No	ditto	
1921302	Spectrophotometer Delivery tube 5pcs set 17205-00	1,300 YEN	No	ditto	
1921401	Spectrophotometer Spare Lamp 46647-00	8,000 YEN	No	ditto	
1921402	Spectrophotometer Spare Lamp 46647-00	8,000 YEN	No	ditto	
1921501	Spectrophotometer Spare Reagent set (100times)	92,000 YEN	No	ditto	
1921502	Spectrophotometer Spare Reagent set (100times)	92,000 YEN	No	ditto	
1921503	Spectrophotometer Spare Reagent set (100times)	92,000 YEN	No	ditto	
1921504	Spectrophotometer Spare Reagent set (100times)	92,000 YEN	No	ditto	
1921505	Spectrophotometer Spare Reagent set (100times)	92,000 YEN	No	ditto	
1951001	pH Standard Solution (4.01) HORIBA 100-4 500ml	2,000 YEN	Yes		
1951002	pH Standard Solution (4.01) HORIBA 100-4 500ml	2,000 YEN	Yes		
1951101	pH Standard Solution (6.86) HORIBA 100-7 500ml	2,000 YEN	Yes		
1951102	pH Standard Solution (6.86) HORIBA 100-7 500ml	2,000 YEN	Yes		
2001001	Total Station main unit TOPCON GTS-225	1,070,000 YEN	No	Sept. 2001 -, Under Preparation of technology transfer	with Tripod & Battery (BC-27CR)
2001101	Total Station Rack for carrying TOPCON Type 2	43,000 YEN	No	ditto	

Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
2001102	Total Station Prism Holder	9,000 YEN	No	ditto	
2001103	Total Station Prism Prism 2	45,000 YEN	No	ditto	
2001104	Total Station Pole adaptor F2	9,000 YEN	No	ditto	
2001105	Total Station Pole Pole (2m)	21,000 YEN	No	ditto	
2001201	Total Station Battery charger TOPCON BC-9	18,000 YEN	No	ditto	
2001301	Total Station Spare battery TOPCON BT-52QA	23,000 YEN	No	ditto	
2001302	Total Station Spare battery TOPCON BT-52QA	23,000 YEN	No	ditto	
2011001	Auto Level main unit TOPCON AT-G1	138,000 YEN	Yes		
2011002	Auto Level main unit TOPCON AT-G1	138,000 YEN	Yes		
2011101	Auto Level Tripod TS-165T	23,000 YEN	Yes		
2011102	Auto Level Tripod TS-165T	23,000 YEN	Yes		
2011103	Auto Level Aluminum staff SKT-55D	23,000 YEN	Yes		
2011104	Auto Level Aluminum staff SKT-55D	23,000 YEN	Yes		
2011105	Auto Level Aluminum staff SKT-55D	23,000 YEN	Yes		
2011106	Auto Level Aluminum staff SKT-55D	23,000 YEN	Yes		
2021001	Planimeter main unit X-Plan 380F	166,000 YEN	Yes		
2021002	Planimeter main unit X-Plan 380F	166,000 YEN	Yes		
2021101	Planimeter Recording Paper (10rolls/box)	3,000 YEN	Yes		
2021102	Planimeter Recording Paper (10rolls/box)	3,000 YEN	Yes		
2031002	Convex WR100 (with case)	41,000 YEN	Yes		
2031003	Convex WR100 (with case)	41,000 YEN	Yes		
2041001	GPS main unit Magellan GPS315	28,000 YEN	Yes		
2041002	GPS main unit Magellan GPS315	28,000 YEN	Yes		
2041101	GPS Cable for PC	9,000 YEN	Yes		
2041102	GPS Cable for PC	9,000 YEN	Yes		
2041201	GPS Data track WPT management soft	10,000 YEN	Yes		
2041202	GPS Data track WPT management soft	10,000 YEN	Yes		
2091001	Lighting Book KOKUYO TY-LT13	39,000 YEN	Yes		
2091101	Lighting Book Battery pack KOKUYO TY-LT13B	28,000 YEN	Yes		
2091102	Lighting Book Battery pack KOKUYO TY-LT13B	28,000 YEN	Yes		
2091103	Lighting Book Battery pack KOKUYO TY-LT13B	28,000 YEN	Yes		
2091104	Lighting Book Battery pack KOKUYO TY-LT13B	28,000 YEN	Yes		
3001001	Multi Projector MP-400E	1,465,000 YEN	Yes		
3001101	Multi Projector Spare Lamp kit MPLK-40	56,000 YEN	Yes		
3001102	Multi Projector Spare Lamp kit MPLK-40	56,000 YEN	Yes		
3011001	Multimedia Projector SONY VPL-CX10	780,000 YEN	Yes		
3011101	Multimedia Projector Spare Lamp SONY LMP-C132	25,000 YEN	Yes		
3011102	Multimedia Projector Spare Lamp SONY LMP-C132	25,000 YEN	Yes		
3011103	Multimedia Projector Spare Lamp SONY LMP-C132	25,000 YEN	Yes		
3011104	Multimedia Projector Spare Lamp SONY LMP-C132	25,000 YEN	Yes		
3021001	OHP Projector main unit HP-2850P	133,000 YEN	No	Sept. 2001 - Under Preparation of transfer to KFC / Bivala	
3021002	OHP Projector main unit HP-2850P	133,000 YEN	No	ditto	
3021101	OHP Writing roll attachment	8,000 YEN	No	ditto	
3021102	OHP Writing roll attachment	8,000 YEN	No	ditto	

Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
3021201	OHP Roll film (20m)	3,000 YEN	No	ditto	
3021202	OHP Roll film (20m)	3,000 YEN	No	ditto	
3021203	OHP Roll film (20m)	3,000 YEN	No	ditto	
3021204	OHP Roll film (20m)	3,000 YEN	No	ditto	
3021205	OHP Roll film (20m)	3,000 YEN	No	ditto	
3021206	OHP Roll film (20m)	3,000 YEN	No	ditto	
3021301	OHP Blank film (100sheets)	5,000 YEN	No	ditto	
3021302	OHP Blank film (100sheets)	5,000 YEN	No	ditto	
3021303	OHP Blank film (100sheets)	5,000 YEN	No	ditto	
3021304	OHP Blank film (100sheets)	5,000 YEN	No	ditto	
3021305	OHP Blank film (100sheets)	5,000 YEN	No	ditto	
3021306	OHP Blank film (100sheets)	5,000 YEN	No	ditto	
3021401	OHP Dry copy film (100sheets)	6,000 YEN	No	ditto	
3021402	OHP Dry copy film (100sheets)	6,000 YEN	No	ditto	
3021403	OHP Dry copy film (100sheets)	6,000 YEN	No	ditto	
3021404	OHP Dry copy film (100sheets)	6,000 YEN	No	ditto	
3021405	OHP Dry copy film (100sheets)	6,000 YEN	No	ditto	
3021406	OHP Dry copy film (100sheets)	6,000 YEN	No	ditto	
3021501	OHP Marker pen (6 color)	2,000 YEN	No	ditto	
3021502	OHP Marker pen (6 color)	2,000 YEN	No	ditto	
3021503	OHP Marker pen (6 color)	2,000 YEN	No	ditto	
3021504	OHP Marker pen (6 color)	2,000 YEN	No	ditto	
3021505	OHP Marker pen (6 color)	2,000 YEN	No	ditto	
3021506	OHP Marker pen (6 color)	2,000 YEN	No	ditto	
3021601	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021602	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021603	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021604	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021605	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021606	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021607	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021608	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021609	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3021610	OHP Spare halogen lamp 36V-400W	5,000 YEN	No	ditto	
3041001	Screen (with tripod stand) VPS-120	243,000 YEN	Yes		
3041002	Screen (with tripod stand) VPS-80	111,000 YEN	Yes		
3041003	Screen (with tripod stand) VPS-80	111,000 YEN	Yes		
3051001	Amplifier System main unit JVC PE-W91 (with Transformer)	155,000 YEN	Yes		
3051002	Amplifier System main unit JVC PE-W91 (with Transformer)	155,000 YEN	Yes		
3051101	Amplifier System Wireless tuner unit JVC WT-UD84	58,000 YEN	Yes		
3051102	Amplifier System Wireless tuner unit JVC WT-UD84	58,000 YEN	Yes		
3051201	Amplifier System Digital recorder JVC PE-WV9	61,000 YEN	Yes		
3051202	Amplifier System Digital recorder JVC PE-WV9	61,000 YEN	Yes		
3051301	Amplifier System Wireless microphone JVC WM-P760	50,000 YEN	Yes		
3051302	Amplifier System Wireless microphone JVC WM-P760	50,000 YEN	Yes		

Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
3051303	Amplifier System Wireless microphone JVC WM-P760	50,000 YEN	Yes		
3051304	Amplifier System Wireless microphone JVC WM-P760	50,000 YEN	Yes		
3051401	Amplifier System Battery pack JVC NB-Z91	17,000 YEN	Yes		
3051402	Amplifier System Battery pack JVC NB-Z91	17,000 YEN	Yes		
3061001	Megaphone TM104	17,000 YEN	Yes		
3061002	Megaphone TM104	17,000 YEN	Yes		
3081001	Portable Electric Generator HONDA EU10i	166,000 YEN	Yes		
3081002	Portable Electric Generator HONDA EU10i	166,000 YEN	Yes		
3081101	Portable Electric Generator Spare parts HONDA	17,000 YEN	Yes		
3081102	Portable Electric Generator Spare parts HONDA	17,000 YEN	Yes		
4001001	4WD Vehicle ISUZU Rodeo UCS25 3200cc	138,770 LE	Yes		Plate No. 118924 Engine No. 7101418
4001002	4WD Vehicle ISUZU Rodeo UCS25 3200cc	138,770 LE	Yes		Plate No. 119654 Engine No. 7101417
4001003	4WD Vehicle ISUZU Rodeo UCS25 3200cc	138,770 LE	Yes		Plate No. 119983 Engine No. 7101469
4001004	4WD Vehicle ISUZU Rodeo UCS25 3200cc	138,950 LE	Yes		Plate No. 30175 Engine No. 7101566
4002001	Mini Bus Mitsubishi 29 pax.	133,975 LE	Yes		
4003001	Dirt Bike KAWASAKI 100cc	1,757 \$	Yes		
4003002	Dirt Bike KAWASAKI 100cc	1,757 \$	Yes		
4003003	Dirt Bike KAWASAKI 100cc	1,757 \$	Yes		
4003004	Dirt Bike KAWASAKI 100cc	1,757 \$	Yes		
4003005	Dirt Bike KAWASAKI 100cc	1,757 \$	No	Feb. 2002 -, Waiting assignment of Field Agent	
4003006	Dirt Bike KAWASAKI 100cc	1,757 \$	No	Mar. 2002 -, Waiting assignment of Field Agent	
4003007	Dirt Bike KAWASAKI 100cc	1,757 \$	No	ditto	
4003008	Dirt Bike KAWASAKI 100cc	1,757 \$	No	ditto	
4501001	Tractor (Crawler type) YANMAR CT950 with Laser	7,980,000 YEN	Yes		
4501101	Tractor Element (inner) 119117-12570	5,643 YEN	Yes		
4501102	Tractor Element (inner) 119117-12570	5,643 YEN	Yes		
4501103	Tractor Element (inner) 119117-12570	5,643 YEN	Yes		
4501111	Tractor Element (outer) 123950-12560	7,225 YEN	Yes		
4501112	Tractor Element (outer) 123950-12560	7,225 YEN	Yes		
4501113	Tractor Element (outer) 123950-12560	7,225 YEN	Yes		
4501121	Tractor Nozzle Assy 123900-53000	5,419 YEN	Yes		
4501122	Tractor Nozzle Assy 123900-53000	5,419 YEN	Yes		
4501123	Tractor Nozzle Assy 123900-53000	5,419 YEN	Yes		
4501131	Tractor Filter Fuel 119000-55600	1,020 YEN	Yes		
4501132	Tractor Filter Fuel 119000-55600	1,020 YEN	Yes		
4501133	Tractor Filter Fuel 119000-55600	1,020 YEN	Yes		
4501134	Tractor Filter Fuel 119000-55600	1,020 YEN	Yes		
4501141	Tractor Gasket Head 123900-01340	6,216 YEN	Yes		
4501142	Tractor Gasket Head 123900-01340	6,216 YEN	Yes		
4501143	Tractor Gasket Head 123900-01340	6,216 YEN	Yes		
4501144	Tractor Gasket Head 123900-01340	6,216 YEN	Yes		
4501145	Tractor Gasket Head 123900-01340	6,216 YEN	Yes		
4501151	Tractor Cap Lub Oil Supply 124160-01751	340 YEN	Yes		

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Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
4501152	Tractor Cap Lub Oil Supply 124160-01751	340 YEN	Yes		
4501161	Tractor Valve Intake 123900-11100	3,336 YEN	Yes		
4501162	Tractor Valve Intake 123900-11100	3,336 YEN	Yes		
4501163	Tractor Valve Intake 123900-11100	3,336 YEN	Yes		
4501164	Tractor Valve Intake 123900-11100	3,336 YEN	Yes		
4501165	Tractor Valve Intake 123900-11100	3,336 YEN	Yes		
4501166	Tractor Valve Intake 123900-11100	3,336 YEN	Yes		
4501167	Tractor Valve Intake 123900-11100	3,336 YEN	Yes		
4501171	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501172	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501173	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501174	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501175	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501176	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501177	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501178	Tractor Valve Exhaust 123900-11110	2,668 YEN	Yes		
4501191	Tractor Pump Assy C Water 123900-42100	26,988 YEN	Yes		
4501201	Tractor V-Belt (A:65.5 inch) 123950-96150	989 YEN	Yes		
4501202	Tractor V-Belt (A:65.5 inch) 123950-96150	989 YEN	Yes		
4501203	Tractor V-Belt (A:65.5 inch) 123950-96150	989 YEN	Yes		
4501204	Tractor V-Belt (A:65.5 inch) 123950-96150	989 YEN	Yes		
4501205	Tractor V-Belt (A:65.5 inch) 123950-96150	989 YEN	Yes		
4501211	Tractor Strainer 80x100 L LO 119005-35100	755 YEN	Yes		
4501212	Tractor Strainer 80x100 L LO 119005-35100	755 YEN	Yes		
4501213	Tractor Strainer 80x100 L LO 119005-35100	755 YEN	Yes		
4501214	Tractor Strainer 80x100 L LO 119005-35100	755 YEN	Yes		
4501215	Tractor Strainer 80x100 L LO 119005-35100	755 YEN	Yes		
4501301	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501302	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501303	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501304	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501305	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501306	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501307	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501308	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501309	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501310	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501311	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501312	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501313	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501314	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501315	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501316	Tractor Ring Set 123950-22050	3,613 YEN	Yes		
4501351	Tractor Filter 172648-73720	7,884 YEN	Yes		
4501352	Tractor Filter 172648-73720	7,884 YEN	Yes		

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Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
4501353	Tractor Filter 172648-73720	7,884 YEN	Yes		
4501354	Tractor Filter 172648-73720	7,884 YEN	Yes		
4501355	Tractor Filter 172648-73720	7,884 YEN	Yes		
4501356	Tractor Filter 172648-73720	7,884 YEN	Yes		
4501357	Tractor Filter 172648-73720	7,884 YEN	Yes		
4501358	Tractor Filter 172648-73720	7,884 YEN	Yes		
4501371	Tractor Sprocket 1A6240-35100	81,400 YEN	Yes		
4501372	Tractor Sprocket 1A6240-35100	81,400 YEN	Yes		
4501373	Tractor Sprocket 1A6240-35100	81,400 YEN	Yes		
4501374	Tractor Sprocket 1A6240-35100	81,400 YEN	Yes		
4501375	Tractor Sprocket 1A6240-35100	81,400 YEN	Yes		
4501381	Tractor Switch Starter 194940-52110	3,506 YEN	Yes		
4501382	Tractor Switch Starter 194940-52110	3,506 YEN	Yes		
4501383	Tractor Switch Starter 194940-52110	3,506 YEN	Yes		
4501391	Tractor Strainer 200-mesh 1A6150-05080	1,800 YEN	Yes		
4501392	Tractor Strainer 200-mesh 1A6150-05080	1,800 YEN	Yes		
4501393	Tractor Strainer 200-mesh 1A6150-05080	1,800 YEN	Yes		
4501401	Tractor Headlight L compl 198448-53200	4,356 YEN	Yes		
4501402	Tractor Headlight L compl 198448-53200	4,356 YEN	Yes		
4501411	Tractor Headlight R compl 198448-53300	4,356 YEN	Yes		
4501412	Tractor Headlight R compl 198448-53300	4,356 YEN	Yes		
4501421	Tractor Sensor Lift angle 198448-78560	9,775 YEN	Yes		
4501431	Tractor Sensor Rear cover F 198360-78571	9,350 YEN	Yes		
4501441	Tractor Sensor Position 198290-78550	5,738 YEN	Yes		
4501442	Tractor Sensor Position 198290-78550	5,738 YEN	Yes		
4501451	Tractor Sensor Comp Accel 198448-01390	3,188 YEN	Yes		
4501452	Tractor Sensor Comp Accel 198448-01390	3,188 YEN	Yes		
4501461	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501462	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501463	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501464	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501465	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501466	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501467	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501468	Tractor Plate 118 steel 194515-36390	1,500 YEN	Yes		
4501481	Tractor Damper Clutch 198448-22610	4,356 YEN	Yes		
4501482	Tractor Damper Clutch 198448-22610	4,356 YEN	Yes		
4501491	Tractor Filter Suction 1A6210-24450	6,600 YEN	Yes		
4501492	Tractor Filter Suction 1A6210-24450	6,600 YEN	Yes		
4501501	Tractor Seal TC40 62 11 Oil 1A6300-26120	610 YEN	Yes		
4501502	Tractor Seal TC40 62 11 Oil 1A6300-26120	610 YEN	Yes		
4501511	Tractor Bearing 6308R 1A6260-25230	3,200 YEN	Yes		
4501512	Tractor Bearing 6308R 1A6260-25230	3,200 YEN	Yes		
4501513	Tractor Bearing 6308R 1A6260-25230	3,200 YEN	Yes		
4501514	Tractor Bearing 6308R 1A6260-25230	3,200 YEN	Yes		

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Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
4501521	Tractor Cover M Comp Shaft 198290-26850	574 YEN	Yes		
4501522	Tractor Cover M Comp Shaft 198290-26850	574 YEN	Yes		
4501531	Tractor Strainer 194630-43220	670 YEN	Yes		
4501532	Tractor Strainer 194630-43220	670 YEN	Yes		
4501541	Tractor Valve Relief 1E8050-56840	2,600 YEN	Yes		
4501542	Tractor Valve Relief 1E8050-56840	2,600 YEN	Yes		
4501551	Tractor Relay CA Type C 198461-52950	1,594 YEN	Yes		
4501552	Tractor Relay CA Type C 198461-52950	1,594 YEN	Yes		
4501561	Tractor Switch 174501-52110	1,424 YEN	Yes		
4501562	Tractor Switch 174501-52110	1,424 YEN	Yes		
4501571	Tractor Switch Brake Lamp 198223-52150	1,275 YEN	Yes		
4501572	Tractor Switch Brake Lamp 198223-52150	1,275 YEN	Yes		
4501581	Tractor Switch CMP Lighting 198448-52210	3,719 YEN	Yes		
4501582	Tractor Switch CMP Lighting 198448-52210	3,719 YEN	Yes		
4501591	Tractor Switch Safety 194065-52231	3,081 YEN	Yes		
4501592	Tractor Switch Safety 194065-52231	3,081 YEN	Yes		
4501601	Tractor Head Lamp Combi 198119-53400	2,869 YEN	Yes		
4501602	Tractor Head Lamp Combi 198119-53400	2,869 YEN	Yes		
4501611	Tractor Horn 194151-57100	1,031 YEN	Yes		
4501612	Tractor Horn 194151-57100	1,031 YEN	Yes		
4501621	Tractor Relay 198327-57200	2,545 YEN	Yes		
4501622	Tractor Relay 198327-57200	2,545 YEN	Yes		
4601001	Laser Leveler LL4000	2,486.150 YEN	Yes		
4601101	Laser Leveler Tine 181382	3,570 YEN	Yes		
4601102	Laser Leveler Tine 181382	3,570 YEN	Yes		
4601103	Laser Leveler Tine 181382	3,570 YEN	Yes		
4601104	Laser Leveler Tine 181382	3,570 YEN	Yes		
4601105	Laser Leveler Tine 181382	3,570 YEN	Yes		
4601151	Laser Leveler Fix parts for Tine 2pcs 181383	2,734 YEN	Yes		
4601152	Laser Leveler Fix parts for Tine 2pcs 181383	2,734 YEN	Yes		
4601153	Laser Leveler Fix parts for Tine 2pcs 181383	2,734 YEN	Yes		
4601154	Laser Leveler Fix parts for Tine 2pcs 181383	2,734 YEN	Yes		
4601155	Laser Leveler Fix parts for Tine 2pcs 181383	2,734 YEN	Yes		
4601201	Laser Leveler Chisel 182389	1,367 YEN	Yes		
4601202	Laser Leveler Chisel 182389	1,367 YEN	Yes		
4601203	Laser Leveler Chisel 182389	1,367 YEN	Yes		
4601204	Laser Leveler Chisel 182389	1,367 YEN	Yes		
4601205	Laser Leveler Chisel 182389	1,367 YEN	Yes		
4601251	Laser Leveler Bolt for Chisel 2pcs 62810038	230 YEN	Yes		
4601252	Laser Leveler Bolt for Chisel 2pcs 62810038	230 YEN	Yes		
4601253	Laser Leveler Bolt for Chisel 2pcs 62810038	230 YEN	Yes		
4601254	Laser Leveler Bolt for Chisel 2pcs 62810038	230 YEN	Yes		
4601255	Laser Leveler Bolt for Chisel 2pcs 62810038	230 YEN	Yes		
4601301	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601302	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		



Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
4601303	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601304	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601305	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601306	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601307	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601308	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601309	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4601310	Laser Leveler Hexagon bolt 2pcs 61312090	278 YEN	Yes		
4701001	Stable Cultivator SC9B	775.200 YEN	Yes		
4701101	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701102	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701103	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701104	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701105	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701106	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701107	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701108	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701109	Stable Cultivator Chisel 183851	7.594 YEN	Yes		
4701201	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701202	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701203	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701204	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701205	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701206	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701207	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701208	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701209	Stable Cultivator Wing 183855	3.037 YEN	Yes		
4701301	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701302	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701303	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701304	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701305	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701306	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701307	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701308	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4701309	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4709310	Stable Cultivator Safety bolt 5pcs with groove 137401	1.960 YEN	Yes		
4709331	Stable Cultivator Bolt for Wing 2pcs 61312050	152 YEN	Yes		
4709332	Stable Cultivator Bolt for Wing 2pcs 61312050	152 YEN	Yes		
4709333	Stable Cultivator Bolt for Wing 2pcs 61312050	152 YEN	Yes		
4709334	Stable Cultivator Bolt for Wing 2pcs 61312050	152 YEN	Yes		
4709335	Stable Cultivator Bolt for Wing 2pcs 61312050	152 YEN	Yes		
4709336	Stable Cultivator Bolt for Wing 2pcs 61312050	152 YEN	Yes		
4709351	Stable Cultivator Bolt for Chisel 2pcs 61312080	254 YEN	Yes		
4709352	Stable Cultivator Bolt for Chisel 2pcs 61312080	254 YEN	Yes		

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Code No.	Items of Equipment (Specification)	Price	In-service	Reason of no use	Remarks
4709353	Stable Cultivator Bolt for Chisel 2pcs 61312080	254 YEN	Yes		
4709354	Stable Cultivator Bolt for Chisel 2pcs 61312080	254 YEN	Yes		
4709355	Stable Cultivator Bolt for Chisel 2pcs 61312080	254 YEN	Yes		
4709356	Stable Cultivator Bolt for Chisel 2pcs 61312080	254 YEN	Yes		
4801101	Laser Control Set Laser Radiator 1145-S	648,050 YEN	Yes		
4801201	Laser Control Set Laser Receiver R2S-S	523,640 YEN	Yes		
4801301	Laser Control Set Elevating Base 408700-04	136,350 YEN	Yes		
4801401	Laser Control Set Tripod 302612-02	63,870 YEN	Yes		
4801501	Laser Control Set Display MD2J	242,370 YEN	Yes		
4801601	Laser Control Set Measure 1275	58,460 YEN	Yes		
4801701	Laser Control Set Digital Survey Pod 4016-SPJ-3	74,250 YEN	Yes		
4801801	Laser Control Set Cable	109,310 YEN	Yes		
6001001	Movable Tent 5m x 5m	2,700 LE	Yes		
6001002	Movable Tent 5m x 5m	2,700 LE	Yes		
7001001	Map Board Steel made	1,150 LE	Yes		
7001002	Map Board Steel made	1,150 LE	Yes		

* Spare parts are considered in-service when main unit is in-service.

* KFC: Kafr El Sheikh Training Center
Biyala: Training Hall at Biyala Irrigation District

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ANNEX4 Allocated Budget by the Government of Japan for Local Cost Expenditure

General	99/00		00/01		01/02		02/03	
	LE	(¥1,000)	LE	(¥1,000)	LE	(¥1,000)	LE	(¥1,000)
Apr.-Jul.			31,764.14	974.00	37,942.53	1,227.00	39,058.88	1,160.00
Jul.-Sep.			87,370.01	2,680.00	45,465.30	1,444.00	39,561.21	
Oct.-Dec.			27,857.96	798.00	50,785.28	1,569.00		
Jan.-Mar.	31,942.00	959.00	84,679.66	2,573.00	84,550.00	2,161.00		
Total	31,942.00	959.00	231,671.77	7,025.00	218,743.11	6,401.00	78,620.09	

Special	99/00		00/01		01/02		02/03	
	LE	(¥1,000)	LE	(¥1,000)	LE	(¥1,000)	LE	(¥1,000)
Apr.-Jul.								
Jul.-Sep.								
Oct.-Dec.							(160,000.00)	(5,000.00)
Jan.-Mar.			69,600.00	2,088.00				
Total			69,600.00	2,088.00			(160,000.00)	(5,000.00)

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ANNEX5 Assignment of Egyptian Counterparts

Name of Counterpart & Position	Field	Training in Japan	Japanese counterpart (Experi.)	Period of Assignment	Note
Eng. Ali Morsi Bat First Undersecretary, Head of ID	Project Director		C. KAJIWARA, H. HOMMA	01 Mar.00-04 Oct.01	Retirement
Eng. Mohamed El Amir Osman First Undersecretary, Head of ID	ditto		C. KAJIWARA, H. HOMMA T. NAKAGAWA	15 Oct.01-	
Eng. Ramsis Bakhoun Undersecretary, Head of IIS	Project Manager		H. KAJIWARA, H. HOMMA	01 Mar.00-01 Nov.01	Retirement
Eng. Adel Hashem Saleh First Undersecretary, Head of IIS	ditto		C. KAJIWARA, H. HOMMA T. NAKAGAWA	28 Nov.01-	
Eng. Adel Hashem Saleh Undersecretary, Deputy Head of IIS	Deputy Project Manager	10 Sep. 01-18 Sep. 01	C. KAJIWARA, H. HOMMA	01 Mar.00-27 Nov.01	Promotion (Head of IIS)
Eng. Shokry El Gamal	ditto		C. KAJIWARA, H. HOMMA T. NAKAGAWA	13 Feb.02-	
Eng. Abdel Salam Mohamed El-Deib General Director, IIS Central Delta	Project Site Manager		C. KAJIWARA, H. HOMMA	01 Mar.00-23 Aug.01	Transfer
Eng. Adel El-Madbouly General Director, IIS Central Delta	ditto		C. KAJIWARA, H. HOMMA T. NAKAGAWA	01 Oct.00-	
Eng. Alaa Ismail Aly Director of works, Technical Office	Coordinator		H. HOMMA, T. NAKAGAWA	01 Mar.00-	
Eng. George Fouad Director of works, Design Section	Water Management			01 Mar.00-07 Mar.00	Death
Eng. Khalid Mohamed Rashad Civil Eng., Design Section	ditto		N. KIYONO	01 Mar.00-	
Eng. Tarek Kamal El-Din Mahmoud Aly Civil Eng., Design Section	ditto	06 Nov. 00-02 Dec.00	N. KIYONO	08 Mar.00-	
Eng. Tarek Farouk El-Tayeb Civil Eng., IAS Section	WUA		A. TAKAHASHI, J. KUDO	01.Mar.00-	
Eng. El-Shinawy Abd El-Atty Director of Monitoring & Evaluation	Agronomy		H. URAYAMA	01. Mar.00-	

Name of Counterpart & Position	Field	Training in Japan	Japanese counterpart (Expert)	Period of Assignment	Note
Eng. Ahemd El Garnoci	Agronomy		H. URAYAMA	10 Jun.02-	
Eng. Ahmad Bayomie Director of works, Const. Section	Chief Advisor		C. KAJIWARA,	01 Mar.00-	Transfer
Eng. Mohamed El-Fetiany Civil Eng., Technical Office	Coordinator		H. HOMMA, T. NAKAGAWA	01 Mar.00-	
Eng. Mohamed Samir Hassan El-Koddosy* Civil Eng., WMIP	Water Management	09 Jul. 01- 14 Aug. 01	N. KIYONO	01 Mar.00-	
Eng. Mohamed El Raggal	ditto		N. KIYONO	14 Jul.02-	
Eng. Mohamed Ezat El-Shafie Director, IAS Tanta	WUA		A. TAKAHASHI,	01 Mar.00-30 Jul.00	
Eng. Gamal Mostafa Shahin* Civil Eng., WMIP	ditto		A. TAKAHASHI, J. KUDO	31 Jul.00-21 Jul.02	
Eng. Safaa* Agriculture Eng., WMIP	ditto		A. TAKAHASHI, J. KUDO	01 Oct.01-	
Eng. Adel Yousry* Agriculture Eng., WMIP	ditto		J. KUDO	01 Jun.02-	
Eng. Lotfy Bedir El-Shawaf* Civil Engineer, WMIP	ditto		J. KUDO	14 Jul.02-	
Eng. Wesama *	ditto		J. KUDO	01 Sep. 02-	
Eng. Mohamed Saleh*	ditto		J. KUDO	01 Oct.02-	
Eng. Adel Ibrahim El-Maradny* Agriculture Eng., WMIP	Agronomy	11 Feb. 02-22 Nov. 02	H. URAYAMA	23 May 00-	
Eng. Lotfy Bedir El-Shawaf Civil Eng., WMIP	ditto		H. URAYAMA	01 Oct.01-	

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Name of Counterpart & Position (Cooperator)	Field	Training in Japan	Japanese counterpart (Expert)	Period of Assignment	Note
Eng. Saad Zaki	Training			11 Sep. 00-	
Eng. Ahamad Ismail	Water Management			27 Feb.02-	
Eng. Ahamad Abdel El Badry	Local Collaboration			14 May 02-	

* Full time counterpart




ANNEX6 List of Equipment Provided by the Government of Egypt

No.	Items of Equipment	Amount	Remarks
1	Air Conditioner	2	Cairo
2	Telephon Line	1	Cairo
3	Desk & Chair	3	Cairo
4	Table	1	Cairo
5	Chair	10	Cairo
6	Desk & Chair	8	Tanta
7	Digitizer	1	Cairo
8	Steel Cabinet	2	Cairo
9	Vehicle	1	Tanta

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ANNEX7 Allotted Budget by the Government of Egypt

	99/2000	2000/01	01/02	02/03	03/04	04/05
(1)Temporary Employment	12,000	12,000	12,000	12,000	12,000	12,000
(2)Utilities(Electricity,Water,Telephone)	1,200	7,800	7,000	8,000	8,400	9,000
(3)Pemuneration	30,000	30,000	30,000	30,000	30,000	30,000
(4)Others(Fuel,Equipment,Consumable item etc.)	45,800	41,600	47,000	57,000	52,000	54,000
(5)Duty and Tax(Equipment from Japan)	1,970	1,456	12,036	2,066		
Total	90,970	92,856	108,036	109,066	102,400	105,000

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ANNEX8 Project Achievement Chart

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1 : Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
1. Formulation of a Water Management Plan							Supported by EX - WM and EX - WU			Appropriate water management plan is formulated with farmers' participation.	62(52)
1-1) Study of existing water management system (including water quality) in the project area										The existing water management system and its problems emerge.	87(70)
1-1-1) Survey of existing irrigation and drainage networks							Koddosy, Draftsmen, Field agents	The field survey to make existing irrigation network maps and farmers' lists has been finished.	Digital maps have been almost made in the whole project area. The existing irrigation network maps have been almost made. The existing drainage maps have been collected. Farmers' lists have been almost made at a piece of land level.	The present irrigation and drainage conditions in Bahr El Nour area are understood well by C/Ps.	100(80)
1-1-2) Survey of existing water management condition							Koddosy, Gamal, Field agents	The field survey of existing water management facilities has been finished. The workshops to grasp farmers' opinions have been held at all mesqas.	The present water condition and its problems came out. Farmers' opinions about irrigation water have been taken.	The customs and duties of irrigation water and facilities are understood well by C/Ps. Farmers' opinions about the present water conditions are understood well by C/Ps.	100(80)
1-1-3) Formulation of monitoring system of water quantity and quality							Koddosy, Field agents	Measurement equipment (33 water pressure loggers, 4 Thalimeds and a Polysonic) has been installed. The water levels and the discharge data have been measured for around 8 months. Discharge measurement to make H-Q curve and evaluate conveyance efficiency on Bahr El Nour have been carried out for 10 months. Water quality measurement has been carried out in cooperation with EMTP.	The draft monitoring plan has been made. Actual data of water level and discharge in Bahr El Nour canal has been taken. H-Q curve at the intake of Bahr El Nour has been made. The present conveyance efficiency data in Bahr El Nour canal has been taken.	Appropriate monitoring plan is made and the monitoring technique is practiced properly by C/Ps. The accurate data for project evaluation is taken by C/Ps.	60(50)
1-2) Formulation of a Water Management Plan										The water management plan is formulated.	67(10)
1-2-1) To formulate an Irrigation plan							Koddosy	The fundamental data to analyze the water balance in Bahr El Nour has been almost collected.	The benefited areas of each mesqa have been calculated. Water balance program and unsteady flow analysis program have been made.	Appropriate irrigation plan is formulated by C/Ps.	100(30)
1-2-2) To formulate a tentative Water Management Plan							Koddosy	This activity hasn't started yet.		The tentative water management plan is formulated by C/Ps. Farmers understand and accept the tentative water management plan, which is explained by C/Ps.	100(0)
1-2-3) To modify Water Management Plan, making the use of Improved irrigation facilities and farmers' opinion							Koddosy			Appropriate water management plan is formulated with farmers' participation by C/Ps.	
1-3) Training of governmental staff and farmers on the Water Management Plan										The staff who disseminate the water management technique are trained.	10(30)
1-3-1) Training of governmental staff							Koddosy	Training for 4 field agents have been carried out twice.	4 field agents have been trained how to use an autolevel machine and a water quality checker.	Appropriate water management is practiced by governmental staff.	20(60)
1-3-2) Training of farmers							Koddosy			Appropriate water management is practiced by farmers.	

Project Achievement Chart

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1: Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
2. Formulation of a Farm Plan							Supported by EX-AG	Survey on each items related to farm plan has been conducted.	Survey has been implemented and mostly completed.	Appropriate farm plan is formulated.	82 (74)
2-1) Study of present condition of farm land use						Study has been done on each concerning items.	Identified the present condition of farm land and farmers.	Present condition of farmland use is clarified.	100 (90)
2-1-1) To conduct survey of present agricultural land use					Lotfy Adel	Base line survey has been conducted, and information concerning present condition of land use has been collected.	:Collected and identified the data of present condition of farm land use, and crop rotation. :Made survey report as part1 and part2.	Data related to present farming system would be collected.	100 (80)
2-1-2) To conduct survey of demands on farm land use					Lotfy Adel	Data has been collected directly from the farmers and analyzed.	:Identified farmers' demands on farm land use and crops. :Made survey report as part2.	Demands of farmers on land use are clarified.	100 (90)
2-1-3) To investigate agricultural policy of the government					Lotfy Adel	Information and documents has been collected.	Study the government's policy of agriculture.	Government's policy is clarified.	100 (100)
2-1-4) To carry out marketing system and household survey					Lotfy Adel	Survey as to the view of farm economic management has been conducted, and data has been analyzed. However, survey on marketing system has not been conducted	Identified the economic views of farming such as area, labor forces, family structure, etc.	Actual condition of farmers are clarified.	100 (80)
2-1-5) To conduct soil survey and its analysis					Lotfy Adel	Data of soil chemical and physical characteristics were analyzed.	Studied the soil characteristics and made soil survey report.	Soil characteristics in project area is verified.	100 (100)
2-2) Formulation of a Farm Plan					Collected data has been analyzed.	Analysis of adaptable crops and cropping systems.	Less water-consumption and profitable crops and cropping systems	35 (30)
2-2-1) To analyze each collected data				Lotfy Adel	Exchanged the views about farming such as crops, crop systems with M.A.L.R (Ministry of Agriculture and Land Reclamation) office in Bivola, especially agricultural cooperatives.	Collected the data of crop yield and area, recommended cropping and crops.	Adaptable farming systems and profitable, less water consumption crops are recommended.	20 (60)
2-2-2) To formulate farm plan			Lotfy Adel	None	None	Farmland plan is formulated.	50 (0)
2-3) Training of governmental staff and farmers on the farm plan				Training scheme has been discussed.	Training design and program has been made.	Farmland plan is formulated by farmers.	50 (50)
2-3-1) Preparation for training			Lotfy Adel	Training design and program has been made.	Governmental staff has realized the training scheme.	Training program (curriculum) is made.	100 (100)
2-3-2) Implementation of training				Lotfy Adel	None	None	Acquirement of a skill, and getting knowledge concerning farming	0 (0)

Project Achievement Chart

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1: Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
3. Formulation of an Operation and Maintenance (O&M) Plan for irrigation facilities							Supported by EX-WM and EX-WU			The operation and maintenance plan for irrigation facilities is formulated with farmers' participation.	65(48)
3-1) Study of existing O&M condition for irrigation facilities							The existing O&M condition and its problems emerge.	100(80)
3-1-1) Survey of irrigation facilities (delivery canal, mesqas, marwas)				Koddosy	The field survey of irrigation facilities has been finished. Taking the farmers to the advanced IIP area has been conducted as the means of explaining the operation and maintenance of improved facilities.	The present operation and maintenance condition and its problems have come out.	The present conditions in Bahr El Nour area are understood well by C/Ps.	100(80)
3-1-2) To grasp farmers' opinion about the present condition and problems				Koddosy, Gamal, Saffaar	The workshops to find the farmers' opinions and the present problems have been held around 30 times with farmers.	The problems which the farmers have about operation and maintenance have come out.	Farmers' opinions about the present O&M conditions are understood well by C/Ps.	100(80)
3-2) Formulation of an O&M plan						The O&M plan is formulated.	17(0)
3-2-1) To formulate a tentative O&M plan			Koddosy	This activity hasn't started yet.		The tentative O&M plan is formulated by C/Ps. Farmers	50(0)
3-2-2) To modify O&M plan, making use of improved irrigation facilities				Koddosy			Appropriate O&M plan is formulated with farmers' participation by C/Ps.	—
3-2-3) To disseminate O&M plan in the project area					Koddosy			All the farmers understand and accept the O&M plan. And moreover, farmers practice the O&M plan properly.	—
3-3) Training of governmental staff and farmers on the O&M plan							The staff who disseminate the O&M plan are trained.	10(0)
3-3-1) Training of governmental staff				Koddosy	This activity hasn't started yet.		Appropriate operation and maintenance are practiced by governmental staff.	20(0)
3-3-2) Training of farmers				Koddosy			Appropriate operation and maintenance are practiced by farmers.	—

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1 : Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Project Achievement Chart

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
4.Farmers' Water Management Organization							Supported by EX- WU			The water users association are established by the subject of farmers'	74 (55)
4-1)Study on Social Background of the Project Area through Participatory Planning Methodology	-----	-----	-----				Eng. Lotfy Eng. Adel (Y) Eng. Koddosy				100 (88)
4-1-1)To collect material and information	-----	-----	-----				Eng. Lotfy Eng. Adel (Y) Eng. Koddosy	Investigation of the farmers in project area by the questionnaire and visit to the relative civil services	Understanding about project area	Understanding about project area	100 (100)
4-1-2)To make the benefited area maps by mesqa (at a piece of land level)	-----	-----	-----				Eng. Lotfy Eng. Adel (Y) Eng. Koddosy	Making the benefited area maps and irrigation system maps by mesqa	Contents of result of survey Getting a correct area	Contents of result of survey Getting a correct area	100 (100)
4-1-3)To make the list of holder (determination of the beneficiaries by mesqa)	-----	-----	-----				Eng. Lotfy Eng. Adel (Y) Eng. Koddosy	Making the list of holders by mesqa	Contents of result of survey Getting a correct area	Contents of result of survey Getting a correct area	100 (100)
4-1-4)To grasp the problem of farmers	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)	Holding the workshops to greet	To dig up the problems	Digging up the problems	100 (75)
4-1-5)To execute PCM methodology	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)	Holding the workshops by PCM Making problem analysis Making objectives analysis	To make a definition of the problem by farmers	Giving a definition of a problem	100 (75)
4-1-6)Problem analysis of farmers with Participatory Planning methodology	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)	Making Problem analysis, Objectives analysis and PDM of project area	To understand about project area	Understanding about project area	100 (75)
4-2)Promotion for Farmers' Acceptance of the Detailed Plan, Implementation and O&M of IIP	-----	-----	-----	-----	-----	-----	Eng. Lotfy Eng. Adel (Y) Eng. Koddosy				82 (45)
4-2-1)Discussion about the purpose and content of project with the elect interim leaders of farmers and the relevant government officials	-----	-----	-----				Eng. Lotfy Eng. Adel (Y) Eng. Koddosy	Election for the interim leaders of farmers	Understanding about project	Understanding about project	100 (56)
4-2-1-1)Holding workshops by mesqa	-----	-----	-----				Eng. Lotfy Eng. Adel (Y) Eng. Koddosy	Inspection by farmers about advance area Holding workshops by mesqa	Let farmers know about the project Collection of farmers' opinions and problems	To collect farmers' opinion and problem	100 (75)
4-2-1-2)The election of leaders at farmers' workshop	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)	Election for the interim leaders by farmers Informing all of farmers	Informing all of farmers	Informing all of farmers	100 (75)
4-2-1-3)Establishment of the joint committee between the farmers' leader and the government	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)			Making strong relation between farmers and government	100 (0)
4-2-1-4)Formulation of WUG	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)	Explanation about importance of WUG	Strong relation at marwa level	Making foundation of WUA	100 (75)
4-2-2)Submission of the request for improvement of irrigation facilities from farmers in project area with the agreement of more than 2/3 farmers	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)			File an application to government	100 (0)
4-2-2-1)Collection of the signature from farmers	-----	-----	-----				Eng. Lotfy Eng. Adel (Y)			File an application to government	100 (0)
4-2-3)Planning design in detail and implement construction work of IIP under mutual negotiation between the farmers and the government	-----	-----	-----	-----	-----	-----	Eng. Lotfy Eng. Adel (Y) Eng. Koddosy	Planning design in detail and implement construction work of IIP referring to opinions from farmers	Discussion the plan with both	Discussion the plan with both	45 (80)
4-2-3-1)Holding workshops by mesqa	-----	-----	-----	-----	-----	-----	Eng. Lotfy Eng. Adel (Y) Eng. Koddosy	Walking along mesqas with the interim leaders Discussion about the design of construction	Collect farmers' opinion and problem	Collect farmers' opinion and problem	45 (80)

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1 : Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Project Achievement Chart

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
4-3)Establishment of Several WUAs and Preparation for Establishment of WUF in the Project Area							Eng. Lotfy Eng. Adel (Y)				35 (0)
4-3-1)To establish a formal WUF and several WUAs as legal organization in the project area							Eng. Lotfy Eng. Adel (Y)			The government permits the establishment of WUA and WUF	25 (0)
4-3-2)To hold a meeting of WUF and WUAs							Eng. Lotfy Eng. Adel (Y)			The formalities for establishment of the WUA and WUF	45 (0)
4-4)Training of Governmental Staff and Farmers on Farmer's Water Management							Eng. Lotfy Eng. Adel (Y)			They can teach farmers the importance of water management	40 (50)
4-4-1)To train for governmental staff							Eng. Lotfy Eng. Adel (Y)	Training about PCM methodology Training about necessity and administration of WUA and WUF	Governmental staff understood how to establish or administer the WUA and WUF	WUA and WUF run themselves	40 (100)
4-4-2)To train for water user's association							Eng. Lotfy Eng. Adel (Y)			WUA and WUF run themselves	40 (0)
4-5)To brisk the women's activities in project area							Eng. Safaa				36 (57)
4-5-1)Study on social background of women in project area							Eng. Safaa	Investigation of the women in project area by the questionnaire and visit to the relative civil services	Understanding about project area	Understanding about project area	100 (100)
4-5-2)To grasp the problem of women							Eng. Safaa	Holding the women's meeting	To be digging up the problems	To dig up the problems	50 (100)
4-5-3)To execute PCM methodology							Eng. Safaa	Holding the workshops by PCM Making problem analysis Making objectives analysis	To be making a definition of the problem by women	To make a definition of the problem by women	50 (100)
4-5-4)Problem analysis of women with participatory planning methodology							Eng. Safaa	Making Problem analysis, Objectives analysis and PDM of women's activities	To be making a definition of the activities by women	To make a definition of the activities by women	50 (100)
4-5-5)Preparation for women's activities							Eng. Safaa			To build the foundation of women's activities	0 (0)
4-5-6)To bring up women's activities continuous supporting system							Eng. Safaa			To able to progress of women's activities themselves	0 (0)
4-5-7)Reflection of women's opinion on management for WUF and WUA							Eng. Safaa			Involvement in management of WUF and WUA	0 (0)

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Project Achievement Chart

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1: Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
5)Improvement of irrigation facilities							Supported by EX-WM and EX-WU			Irrigation facilities are improved with farmers' participation.	61(29)
5-1)Examination of existing irrigation facilities									The existing condition and its problems emerge.	100(80)
5-1-1)Survey of irrigation facilities (delivery canal, mesqas, marwas)						Koddosy, Lotfy, Fieldagents	The field survey in Bahr El Nour area has been finished. The survey of pump facilities, downstream control gates and so on which have been introduced in advanced IIP area has been done.	The profile and cross section survey have been done at all mesqas and Bahr El Nour canal. The draft improvement plans of pump facilities and downstream control gate have been made.	The present conditions in Bahr El Nour area are understood well by C/Ps. The current problems which have had in advanced IIP area are understood well by C/Ps.	100(80)
5-1-2)To grasp farmers' opinion about the present condition and problems						Koddosy, Gamal, Saffaar, Fieldagents	The workshops to find the farmers' opinions and the present problems have been held around 30 times with farmers.	The problems about the present irrigation facilities and IIP have come out.	Farmers' opinions about the present conditions are understood well by C/Ps.	100(80)
5-1-3)To grasp the procedure from the design to ending of the construction and deliver facilities to the WUJ'						Koddosy	The meetings with farmers, field agents and engineers who are working in advanced IIP areas have been held to grasp their actual project procedure.	The laws concerning IIP have been collected. Efficient project schedule have been made by C/P.	Actual IIP procedure and its laws are understood well by C/Ps.	100(80)
5-2)Formulation of an improvement plan on irrigation facilities									The improvement plan is formulated. The irrigation facilities in Bahr El Nour area are improved properly.	80(35)
5-2-1)To formulate the improvement plan on delivery canal (Bahr El Nour canal)						Koddosy, Lotfy, Design engineers, Fieldagents	The profile and cross section survey have been done in Bahr El Nour canal. The data to analyze the water line has been collected and the analysis has been done. The draft design of improved canal has been explained to the farmers.	The drawings of the present profile and cross sections have been made. The places and sizes of downstream control gates have been decided.	The improvement plan of Bahr El Nour canal is formulated. Bahr El Nour canal is improved properly.	80(40)
5-2-2)To formulate the improvement Plans on mesqas and marwas						Koddosy, Lotfy, Fieldagents	The profile and cross section survey have been done at all mesqas. Walking through mesqas to decide the types of mesqa and the location of valves and pump stations have been carried out with farmers' leaders.	The drawings of the present profile and cross sections have been made. The preliminary designs to decide the route of improved mesqas and its valve areas have been made at several mesqas.	The improvement plans of pump facilities and mesqas are formulated. Those facilities in Bahr El Nour area are improved properly.	80(30)
5-3) Formulation of design and construction guidelines for the improvement of facilities									The guidelines are formulated. The government staff are trained.	10(0)
5-3-1)To formulate design and construction guidelines for the improvement of irrigation						Koddosy	This activity hasn't started yet.		The guidelines are formulated.	20(0)
5-3-2)Training of governmental staff on design and construction of facilities						Koddosy			Appropriate design and construction control are practiced by governmental staff.	—

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1 : Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Project Achievement Chart

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
6. Appropriate Water Use at the On-farm Level							Supported by EX-AG (6-1-4: with EX-WM)	Baseline survey on paddy field water requirement and upland water requirement were investigated. Field water application efficiency trial has been started. Training scheme was considered.	: Summarized collected basic data of field water requirement. : Made a design of training and field water application efficiency trial.	Appropriate water use at the on-farm level is formulated.	28 (50)
6-1) Formulation of the methods of on-farm water management							Lotfy Adel	Baseline survey on paddy field water requirement and upland water requirement were investigated. Field water application efficiency trial has been started.	: Summarized collected basic data of field water requirement. : Made a design of field water application efficiency trial.	Appropriate water use at the on-farm level is studied.	26 (50)
6-1-1) To study on the amount of water consumption of each upland crops							Lotfy Adel Koddosy	: Design of field water application efficiency trial has been made and started. : Paddy field water requirement and upland water requirement has been investigated as baseline.	: Confirmed cooperators (farmers), area (mesqas) and design of trial. Implementation is ongoing. : Made a fundamental report of water requirement of each field and upland field.	The amount of water consumption is examined, in particular, for irrigation efficiency.	35 (100)
6-1-2) Investigation of crop yield							Lotfy Adel	Summer and winter crops yield per unit area has been investigated in cooperation with M.A.I.R (Ministry of Agriculture and Land Reclamation) office in Binalak. except yield per unit of water.	Collected the yield data of summer and winter crops in 2001 and 2002. These are still ongoing.	Yield difference is identified before and after project implementation.	25 (100)
6-1-3) To make irrigation calendar in marwa level							Lotfy Adel	None	None	Irrigation calendar for on-farm level is formulated.	15 (0)
6-1-4) Improvement for water application efficiency							Lotfy Adel Koddosy	Trial scheme has been made and been implemented.	Collected data of water application efficiency.	Water application efficiency is verified especially by land.	35 (50)
6-1-5) To draw up the manual of field water management							Lotfy Adel	None	None	Manual for on-farm level water management is made.	20 (0)
6-2) Training of governmental staff and farmers on water use at the on-farm level							Lotfy Adel	Training scheme has been discussed.	Training design and program has been made.	On-farm level water management is formulated by farmers.	50 (50)
6-2-1) Preparation for training							Lotfy Adel	Training design and program has been made.	Governmental staff has realized the training scheme.	Training program (curriculum) is made.	100 (100)
6-2-2) Training of governmental staff and farmers on water use at the on-farm level							Lotfy Adel	Not yet done.	None	Acquirement of a skill, and getting knowledge concerning on-farm level water management.	0 (0)

Project Achievement Chart

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1 : Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		The goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
7. Farmers' participation in Water Management System at Mesqa and the Delivery Canal Levels							Eng. Lotfy Eng. Adel (Y)			The water of delivery canal as managed by the water users' association	43 (12)
7-1) Training of Governmental Staff and Farmers on Farmers' Participation in the Water Management System							Eng. Lotfy Eng. Adel (Y)	-	-	Understanding of water management system	20 (0)
7-1-1) Training of governmental staff							Eng. Lotfy Eng. Adel (Y)	-	-	Understanding of water management system	20 (0)
7-1-2) Training of farmers' leader							Eng. Lotfy Eng. Adel (Y)	-	-	Understanding of water management system	20 (0)
7-2) Study of the Method to Support Sound Management of WUF and WUAs							Eng. Lotfy Eng. Adel (Y)			To able to manage of WUF's and WUA's staff	45 (13)
7-2-1) To make rule of management WUF and WUA							Eng. Lotfy Eng. Adel (Y)	Studied Japanese rule of management, and discussed the outline	Understanding of Japanese rule of management	Rule of management	50 (25)
7-2-2) To bring up WUF and WUA by continuous supporting system							Eng. Lotfy Eng. Adel (Y)	-	-	To able to manage of WUF's and WUA's staff	40 (0)
7-2-2-1) Training of general management for WUF and WUA							Eng. Lotfy Eng. Adel (Y)	-	-	To able to manage of WUF's and WUA's staff	40 (0)
7-2-2-2) Study on subsidy for O&M etc.							Eng. Lotfy Eng. Adel (Y)	-	-	To able to manage of WUF's and WUA's staff	40 (0)

Dotted bar : Plan
Solid bar : Results

Progress rate : Rate1(Rate2) ,Rate1: Scheduled progress rate by the PO at mid-term of the project period
Rate2: Actual progress rate to Progress Rate1(100%)

Project Achievement Chart

Activities	Project period (2000.3-2005.2)						Person in charge	Progress of the project activities		Goal	Progress rate (%)
	2000	2001	2002	2003	2004	2005		Progress	Actual outputs		
8. General Project Management							Supported by EX-CA			The Project is implemented successfully with efficient	45(50)
8-1) To complete project organization and to formulate annual Work Plan of the Project					50(68)
8-1-1) To hold the Joint Steering Committee meeting	PD	The JSC meeting has not been held. Meeting with PD were held twice.	Meetings with PD.	The JSC meeting is held at least once a year	50(60)
8-1-2) To hold the Joint Site Coordinating Committee meeting	DPM	Instead of the JSCC meetings, Quarterly Meeting with PM and Monthly Meeting with PSM have been held regularly.	Regular Quaterly Meetings and Monthly Meetings	The JSCC meeting is held at least once every three months	50(60)
8-1-3) To complete the Project organization	PD	The Project organization is strengthened year by year through Quaterly meeting with PM.	C/Ps: 16, F/As: 4, Cooperators: 3, Other supporting staff: 8 (2000/3/1: C/Ps: 13 only)	The Project organization is strengthened and maintained	50(80)
8-1-4) To formulate Annual Work Plan	PM	Instead of Annual Work Plan, we are making use of the PO and Progress Achievement Chart.	Progress Achievement Chart as of December 2001	The Work Plan is formulated every year	50(60)
8-1-5) To control implementation schedules	PSM	Network diagram (Draft for MS-Project software) of the project was prepared. Attempt of schedule anlysis was made. Primavera Proje Planner has not been	Network diagram of the project (Draft)	Schedule of the Work Plan is controlled logically	50(80)
8-2) To conduct monitoring and evaluation of the Project activities and result regularly					50(38)
8-2-1) To formulate Monitoring and Evaluation Plan	PD	Monitoring and Evaluation Plan was formulated.	Minitoring and Evaluation Plan	The M&E Plan is formulated	100(100)
8-2-2) To hold regular monitoring meeting and to submit Monitoring Report	PM	Draft of the first monitoring report was prepared, but we could not finalize the report because of no consensus on monitoring.	Draft of the first Monitoring Report	Monitoring Reports are submitted (6 times)	50(15)
8-2-3) To hold joint evaluation meeting and to submit Evaluation Report	PD	.....	.....	Evaluation Reports are submitted (2 times)	.....
8-3) To compose Data Base System required for the Project					47(40)
8-3-1) To prepare Data Base System	CP	Equipment DB, Documents DB, and Participants DB were prepared. An AutoCAD and an ArcView were installed on	Equipment DB, Documents DB, Participants DB, AutoCAD, and ArcView	The Data Base System for the Project is prepared	100(95)
8-3-2) To store data and information (data entry)	CP	Necessary data for Equipment DB, Documents DB, and Participants DB is installed on some PC. And digital maps were installed on a PC.	Digital Maps, Data for Equipment DB, Documents DB, and Participants DB	Required data and information are stored	40(25)
8-3-3) To prepare sub system for WUF	CP	.....	.....	The Data Base System for WUF is prepared	.....
8-4) To conduct training courses required for the Project					58(28)
8-4-1) To formulate Training Plan	CP	Training Plan (Draft) was prepared. But it has not been finalized.	Training Plan (Draft)	The Training Plan is formulated	100(70)
8-4-2) To prepare training materials for each training courses	CP	Training materials of special training for F/A were prepared	Training materials of special training for F/A	Training materials for each courses are prepared	80(20)
8-4-3) To conduct each training courses	CP	Special trainings for F/A were conducted twice	Special trainings for F/A were conducted	Training courses are conducted	25(20)
8-4-4) To hold evaluation meeting and to submit Training Report	CP	Evaluation meeting has not been held because of the delay of training activities.	.....	Training Reports are submitted annually	25(0)

Project Name: The Water Management Improvement Project in the Nile Delta

Duration: March 1, 2000 - February 28, 2005

Project area: 4,000 FD (1,680 ha) of Bahr El Nour Command Area

Target group: Farmers

Modified on: December 17, 2002

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
Overall Goal Improved methods for the efficient and effective implementation of the IIP are disseminated in the Nile Delta, accompanied by an increase of agricultural productivity and the farmers' net income.	By the year 2017 in a certain districts of Bahr Tera, 1. New approaches of the IIP are disseminated. 2. Indicators of agricultural productivity. 3. Improvement of the farmers' living condition.	1. Survey conducted by MWRI 2. Statistics of MALR 3. Survey conducted by MWRI	
Intermediate Goal Improved methods for the efficient and effective implementation of the IIP raise irrigation efficiency and agricultural productivity in the project area.	In five years after the end of the Project, 1. Irrigation efficiency increases. 2. Fair water distribution is improved. 3. Indicators of agricultural productivity per unit of land increase.	1. Survey conducted by MWRI 2. Survey conducted by MWRI 3. Statistics of MARI and survey conducted by MWRI	1. General economic conditions in Egypt do not deteriorate.
Project Purpose Improved methods for the efficient and effective implementation of the IIP based on the full scale farmers' participation are verified in the project area.	By the end of the project period. 1. More than 2/3 of farmers in the project area are satisfied with the IIP implementation. 2. MWRI supports the improved methods.	1. Questionnaire survey during the final evaluation 2. Questionnaire survey during the final evaluation	1. MWRI applies the improved methods. 2. Situation of distribution, storage, prices and market of crops does not deteriorate.
Output Field 1. Improvement of irrigation facilities - Implementation method for improvement of irrigation facilities is improved Field 2. Farmers' Water Management Organization (WUA* & WUF*) - Formulation method for farmers' water management organization is improved Field 3. On-farm water management - Appropriate methods of on-farm water management are introduced Field 4. General Project Management - Project activities and results are introduced to governmental staff properly. * Note: WUA: Water Users' Association, WUF: Federation of WUAs	By the end of the project period. 1-1. Improvement plan of irrigation facilities is formulated. 1-2. Manual for construction control is formulated. 2-1 All WUAs and a WUF are established in accordance with more than 2/3 of agreements. 2-2 Textbooks for leaders of farmers on rational water use and modernized farming are formulated. 3-1 Manual for field water management is formulated. 4. Training for governmental staff, particularly of IIS, are conducted at least two times a year.	1-1, 1-2. Record of the Project 2-1, 2-2 Record of the Project 3-1 Record of the Project 4. Record of the Project	1. Enough Egyptian counterpart personnel remain in the sector related to water management or agriculture. 2. Irrigation facilities are constructed on schedule in the project area by the Egyptian side.



Activities	Input		
<p>Field 1. Improvement of irrigation facilities</p> <p>1-1. Survey of present condition</p> <p>1-2. Formulation of monitoring system of water quantity and quality</p> <p>1-3. Planning and Designing of irrigation facilities</p> <p>1-4. Construction control of irrigation facilities</p> <p>Field 2. Farmers' water management organization (WUA & WUF)</p> <p>2-1. Survey of present condition</p> <p>2-2. Promotion for farmers' participation in planning and designing</p> <p>2-3. Establishment of WUAs and WUF</p> <p>2-4. Promotion of farmers' participation in supervision of construction</p> <p>2-5. Training of leaders of WUA & WUF</p> <p>2-6. Monitoring and evaluation of WUA & WUF</p> <p>Field 3. On-farm water management</p> <p>3-1. Study of present farming condition</p> <p>3-2. Formulation of a model farm plan</p> <p>3-3. Improvement of water application efficiency</p> <p>3-4. Formulation of the methods of on-farm water management</p> <p>Field 4. General project management</p> <p>4-1. Completing project management organization and formulating annual work plan of the Project</p> <p>4-2. Conducting monitoring and evaluation of the Project activities and result regularly</p> <p>4-3. Composing Data Base System required for the Project</p> <p>4-4. Conducting training to enhance practical abilities of governmental staff</p>	<p>Japanese side</p> <p>1. Dispatch of Japanese Experts</p> <p>1-1. Long-Term Experts</p> <ul style="list-style-type: none"> - Chief Adviser - Coordinator - Water Management/Irrigation Facilities - Water Users' Association - On-farm Water Management <p>1-2. Short-Term Experts</p> <ul style="list-style-type: none"> - If necessary <p>2. Provision of machinery and Equipment</p> <p>3. Training of Egyptian counterpart personnel in Japan</p>	<p>Egyptian Side</p> <p>1. Assignment of counterpart personnel and administrative staff</p> <ul style="list-style-type: none"> - Project Director - Project Manager - Deputy Project Manager - Project Site Manager - Counterpart personnel in the field of: Water Management/Irrigation Facilities: Water Users' Association; On-farm Water Management and Training - Administration staff including secretaries, drivers and others - Accountants - Other necessary supporting staff <p>2. Provision of land, buildings and facilities such as project offices and related facilities, expert's room and so on.</p> <p>3. The supply or replacement of equipment, machinery, vehicles, instruments, tools, spare parts and any other materials other than that provided through JICA.</p> <p>4. Allocation of operating expenses for the Project</p> <ol style="list-style-type: none"> 1) Construction, operation and maintenance of irrigation facilities in the project area 2) Personnel expenses of counterpart personnel and administration staff of the Project (including their official travel expenses) 3) Operating expenses necessary for the implementation of the Project such as utilities 	<p>Equipment supplied from Japan for technical guidance and other activities is cleared at custom smoothly.</p> <hr/> <p>Preconditions</p> <p>1. Farmers are cooperative to the Project.</p> <p>2. Necessary support is given to the Project from both governments.</p>

1. Description of PDM

The original Project Purpose reads "Improved methods for the efficient and effective implementation of the IIP based on the full scale farmers' participation are verified by the success of the Project, which alleviates the shortage of water at tail ends and leads to the increase of crop productivity in Bahr El Nour." The description was complicated and the sentence was long, which might lead misunderstanding of the meaning. To make the Project Purpose clearer, firstly the phrase, which starts with "by the success of the Project" till the end, was deleted for the reason that the phrase only explained the contents of the Project and the meaning should be clear in the descriptions of the Outputs as well as the Activities of the Project. Secondly, to define the area that should be covered by the Project more precisely, the words "in the project area" were added to the description.

Regarding Verifiable Indicators for the Project Purpose, some of the original indicators were more appropriate to evaluate the attainment of Overall Goal and the other was for the Outputs. Two indicators were, therefore, newly set up for the Project Purpose.

The first Important Assumption for the Project Purpose, that is, "MWRI supports the dissemination of new approaches" was modified into "MWRI applies the improved methods." The Intermediate Goal targets the project area, which means not at the stage of dissemination. Rather, appropriate package of the improved methods needs to be applied by the Egyptian side with well consideration of conditions in the areas. The modification was made for this reason.

The description of the Overall Goal was adopted in PDM-2 without any modification. As for the correlation between the Overall Goal and the Project Purpose both of which use the words "Improved methods for the efficient and effective implementation of the IIP," consensus was made between the Japanese side and the Egyptian side on the following points: firstly, the methods improved by the Project will be found to consist of several packages of methods, not only one as a whole, at the stage of verification, i.e. the Project Purpose; and secondly at the application and dissemination stage, i.e. the Intermediate Goal and the Overall Goal, the appropriate packages, not necessarily all, should be selected and applied depending on the conditions. Thus, the methods applied and disseminated could be a part of the packages of the methods in one situation and the whole set of them in another.

To verify Overall Goal, the time frame was defined as "By the year 2017" since the

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IIP is set to be completed by the year. Instead, that for Intermediate Goal, which were newly set up as found in the following section, was defined as "In five years after the end of the Project."

As for Outputs, the original ones just repeated the descriptions of Activities and did not apparently indicate how those Outputs facilitate the achievement of Project Purpose. Apart from it, the Joint Evaluation Team has identified more specific technical fields on which the focus should be placed in the latter half of the Project period for efficient and effective implementation of the IIP and overtaking the delay in progress. In concrete, on-farm water management specialist rather than agronomist was found more appropriate as an input of Japanese expert for implementing activities in the latter half of the Project. Considering these facts, the original descriptions were replaced under the new categorizations as below:

Outputs in PDM-2

Field 1. Improvement of irrigation facilities

- Implementation method for improvement of irrigation facilities is improved.

Field 2. Farmers' Water Management Organization (WUA_s & WUF)

- Formulation method for farmers' water management organization is improved.

Field 3. On-farm water management

- Appropriate methods of on-farm water management are introduced.

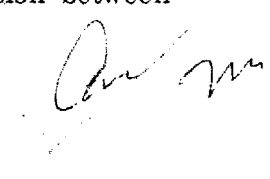
Field 4. General Project Management

- Project activities and results are introduced to governmental staff properly.

Verifiable indicators for Outputs were necessary to be revised following the modifications of Outputs. The indicators concerning the preparation of manuals and guidelines, which were set for the Project Purpose in the original PDM, was found more appropriate for Outputs and set as those for Outputs in the forms of manual and textbook.

Apart from the original Important Assumption for Outputs, "Irrigation facilities are constructed on schedule in the project area by the Egyptian side." was newly set up, since the progress of construction is one of the critical matters for the accomplishment of the Project Purpose within the project period.

Descriptions of Activities did not clearly indicate the correlation with each Outputs either. Therefore, some of the Activities were integrated into one, partly or as a whole, to maintain the contents but to show more obvious correlation between



Activities and Outputs.

2. Intermediate Goal

When the Project was agreed by the R/D, there was no definition about when the Overall Goal should be attained. The Time frame for attaining the Overall Goal was generally considered as more than 10 to 20 years after the end of the project. Recently, however, it is newly defined by JICA as within 3 to 5 years after the end of the project. As for this project, the original Overall Goal was consequently too ambitious for that shortened time frame set in the R/D.

To overcome this problem, the Evaluation Team maintained the original Overall Goal as Overall Goal with the longer time frame as set at the time of signing R/D, and newly set up the Intermediate Goal for the shortened time equivalent to that for the Overall Goal by new definition. Descriptions of Intermediate Goal, its Verifiable Indicators, and Means of Verifications were set as follows:

Intermediate Goal that should be attained within 3 to 5 years after the end of the project

Improved methods for the efficient and effective implementation of the IIP raise irrigation efficiency and agricultural productivity in the project area.

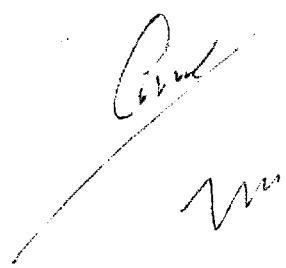
Verifiable Indicators for Intermediate Goal

In five years after the end of the Project,

1. Irrigation efficiency increases.
2. Fair water distribution is improved.
3. Indicators of agricultural productivity per unit of land increase.

Means of Verification for Intermediate Goal

1. Survey conducted by MWRI
2. Statistics of MARI
3. Statistics of MARI and survey conducted by MWRI

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ANNEX 11 Comparison of Activities

Activities in the original PDM	Relation	Activities in the modified PDM
Field 1. Formulation of a Water Management Plan		Field 1. Improvement of irrigation facilities
1-1. Study of existing water management (including water quality) in the project area		1-1. Survey of present condition
1-2. Formulation of a Water Management Plan		1-2. Formulation of monitoring system of water quantity and quality
1-3. Training of governmental staff and farmers on the Water Management Plan		1-3. Planning and Designing of irrigation facilities
Field 2. Formulation of a Farm Plan		1-4. Construction control of irrigation facilities
2-1. Study of present condition of land use		
2-2. Formulation of a Farm Plan		
2-3. Training of governmental staff and farmers on the Farm Plan		
Field 3. Formulation of an Operation and Maintenance (O&M) Plan for irrigation		
3-1. Study of existing O&M condition for irrigation facilities		
3-2. Formulation of an O&M Plan		
3-3. Training of governmental staff and farmers on the O&M Plan		
Field 4. Farmers' water management organization		Field 2. Farmers' water management organization (WUA & WUF)
4-1. Study on social background of the project area through Participatory Planning		2-1. Survey of present condition
4-2. Promotion for farmers' acceptance of detailed plan, implementation and O&M of IIP		2-2. Promotion for farmers' participation in planning and designing
4-3. Establishment of several WUAs and preparation for establishment of WUF in the project area		2-3. Establishment of WUAs & WUF
4-4. Training of governmental staff and farmers on farmers' water management		2-4. Promotion of Farmers' participation in supervision of construction
Field 5. Improvement of irrigation facilities		2-5. Training of leaders of WUA & WUF
5-1. Examination of existing irrigation facilities		2-6. Monitoring and evaluation of WUA & WUF
5-2. Formulation of an Improvement Plan on irrigation facilities		
5-3. Formulation of Design and Construction Guidelines for the improvement of facilities		
Field 6. Appropriate water use at the on-farm level		Field 3. On-farm water management
6-1. Formulation of the methods of on-farm water management		3-1. Study of present farming condition
6-2. To train governmental staff and farmers on water use at the on-farm level		3-2. Formulation of a model farm plan
Field 7. Farmers' participation in water management system at mesqa and delivery canal levels		3-3. Improvement of water application efficiency
7-1. Training of governmental staff and farmers on farmers' participation in the water management system		3-4. Formulation of the methods of on-farm water management
7-2. Study on the method to support sound management of WUF and WUAs		
Field 8. General Project Management		Field 4. General project management
8-1. To complete project management organization and to formulate annual work plan of the Project		4-1. Completing project management organization and formulating annual work plan of the Project
8-2. To conduct monitoring and evaluation of the Project activities and result regularly		4-2. Conducting monitoring and evaluation of the Project activities and result regularly
8-3. To compose Data Base System required for the Project		4-3. Composing Data Base System required for the Project
8-4. To conduct training courses required for the Project		4-4. Conducting training to enhance practical abilities of governmental staff

Full transfer
 Partial transfer

Improved Methods of the WMIP

1. Preparation Phase

Basic concept: To develop effective survey method

- (1) To grasp field conditions through some fact-finding inquiries
- (2) To collect data and information through collaboration with concerning organizations
- (3) To develop GIS Database for data analysis and data selection

2. Organization Phase

Basic concept: To plant sense of ownership to canal system in farmers' mind

- (1) To build sense of ownership through farmers participation on formulation of WUAs and planning of irrigation facilities
- (2) To collect more than 2/3 agreements on organizing WUA and improvement plan
- (3) To establish WUF and WUAs all at once before construction

3. Design Phase

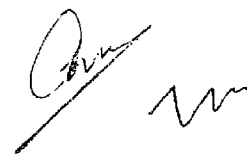
Basic concept: To maximize advantage of the project

- (1) To make use of GIS and CAD
- (2) To modify design method of automatic downstream control gate
- (3) To make arrangement of modification to drainage system

4. Construction Phase

Basic concept: To minimize delay of construction

- (1) To deal WUA leaders in inspection of completed facilities



(2) To establish Construction Coordination Committee (Tentative name) to settle any kind of problems promptly

(3) To improve construction management by applying simple methods on schedule control and so on

5. Operation & Maintenance Phase

Basic concept: To assure sustainability of WUF and WUAs

(1) To complete necessary trainings for WUAs on general management, on-farm water management, and operation/maintenance of improved facilities certainly

(2) To establish an instruction section in WUF for appropriate water management, better operation/maintenance of improved facilities

(3) To strengthen WUF collaborative activities with concerning organizations

6. Monitoring & Evaluation Phase

Basic concept: To develop simple and sustainable evaluation method

Evaluation items will be;

1) Irrigation efficiency

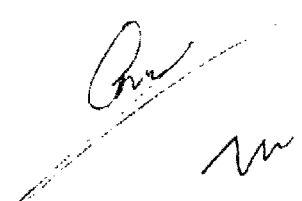
2) Crop yield

3) Administration and performance of WUF and WUAs

7. Others

(1) To improve field application efficiency in every way including high precision laser leveling and controlling of groundwater level

(2) To try to apply PCM workshop methodology to all activities wherever possible

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ANNEX13 Tentative Schedule of Implementation

Activities	Japanese Fiscal Year				
	2000 / 01	2001 / 02	2002 / 03	2003 / 04	2004 / 05
1. Improvement of irrigation facilities					
1-1) Survey of present condition					
1-1-1) To survey the present conditions of irrigation facilities and water use					
1-1-2) To grasp farmers' opinion about the present conditions and problems					
1-2) Formulation of monitoring system of water quantity and quality					
1-2-1) To prepare a draft monitoring plan and its equipment					
1-2-2) To monitor the water quantity and quality in Bahr El Nour area					
1-2-3) To measure the irrigation efficiency (conveyance efficiency)					
1-3) Planning and Designing for irrigation facilities					
1-3-1) To plan and design for the improvement of delivery canal (Bahr El Nour canal)					
1-3-2) To plan and design for the improvement of mesqa					
1-3-3) To draw up a contract document and its bidding					
1-4) Construction control of irrigation facilities					
1-4-1) Construction control of delivery canal and downstream control gate works					
1-4-2) Construction control of mesqa works					
1-4-3) To make a construction control manual					
2. Farmers' water management organization (WUA & WUF)					
2-1) Survey of present condition					
2-1-1) Sufficient study in advance					
2-1-2) Examination of improved methods					
2-2) Promotion for farmers' participation in planning and designing					
2-2-1) To raise awareness of farmers' ownership for facilities					
2-2-2) Sufficient explanation for farmers					
2-2-3) Election for interim leaders of WUA					
2-2-4) To design facilities with farmers					
2-3) Establishment of WUAs & WUF					
2-3-1) To collect farmers' agreements					
2-3-2) To establish WUAs & WUF					
2-4) Farmers' participation in supervision of construction					
2-4-1) To supervise the construction by the Construction Coordination Committee					
2-5) To train leaders of WUAs & WUF					
2-5-1) To train leaders of WUAs & WUF for water management					
2-5-2) To train leaders of WUAs & WUF for water users' association					
2-5-3) To train leaders of WUA for on-farm level water management					
2-6) Monitoring and evaluation of WUAs & WUF					

Activities	Japanese Fiscal Year	2000 / 01	2001 / 02	2002 / 03	2003 / 04	2004 / 05
3. On-farm water management						
3-1) Study of present farming condition						
3-1-1) To conduct survey of present agricultural land use						
3-1-2) To conduct survey of demands on farm land use						
3-1-3) To investigate agricultural policy of the government						
3-1-4) To carry out marketing system and household survey						
3-1-5) To conduct soil survey and its analysis						
3-2) Formulation of a model farm plan						
3-2-1) To study on farm land use and cropping system						
3-2-2) To select adaptable new crops						
3-2-3) To draw up model farm plan						
3-3) Improvement of water application efficiency						
3-3-1) To investigate paddy water requirement						
3-3-2) To study on the amount of water consumption of each upland crops						
3-3-3) To investigate crop yield						
3-3-4) To improve land leveling by laser leveler						
3-3-5) To control percolation rate (ground water level)						
3-3-6) To improve irrigation calendar of each crop						
3-4) Formulation of the methods of on-farm water management						
3-4-1) To improve irrigation method of each crop						
3-4-2) To draw up the manual of field water management						
4. General project management						
4-1) Completing project management organization and formulating annual work plan of the Project						
4-1-1) To hold the Joint Steering Committee meeting						
4-1-2) To hold the Joint Site Coordinating Committee meeting						
4-1-3) To complete the Project organization						
4-1-4) To formulate Annual Work Plan						
4-1-5) To control implementation schedules						
4-2) Conducting monitoring and evaluation of project activities and result regularly						
4-2-1) To formulate Monitoring and Evaluation Plan						
4-2-2) To hold regular monitoring meeting and to submit Monitoring Report						
4-2-3) To hold joint evaluation meeting and to submit Evaluation Report						
4-3) Composing Data Base System required for the Project						
4-3-1) To prepare Data Base System						
4-3-2) To store data and information (data entry)						
4-3-3) To prepare sub system for WUF training						
4-4) Conducting training to enhance practical abilities of governmental staff						
4-4-1) To prepare training facilities for seminars and training courses						
4-4-2) To prepare materials for each seminars and training courses						
4-4-3) To conduct each seminars and training courses						
4-4-4) To hold evaluation meeting and to submit Training Report						

ANNEX 1 4 Project Design Matrix 1

Project name : The Water Management Improvement Project in the Nile Delta

Duration : March 1, 2000~February 28, 2005

Project area : 4,000 FD of Bahr El Nour Command Area

Target group : Farmers

Date : September 13, 2000

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
<p>Overall Goal Improved methods for the efficient and effective implementation of the IIP are disseminated in the Nile Delta, accompanied by an increase of agricultural productivity and the farmers' net income.</p>	<p>In several years after the end of the Project (a certain year will be specified later) in a certain districts of Bahr Tera, 1. New approaches of the IIP are disseminated. 2. Indicators of agricultural productivity increase. 3. Improvement of the farmers' living condition</p>	<p>1. Survey conducted by MWRI 2. Statistics of MALR 3. Survey conducted by MWRI</p>	<p>General economic conditions in Egypt do not deteriorate.</p>
<p>Project Purpose Improved methods for the efficient and effective implementation of the IIP based on the full scale farmers' participation are verified by the success of the Project, which alleviates the shortage of water at tail ends and leads to the increase of crop productivity in Bahr El Nour.</p>	<p>By the end of the project period, 1. Irrigation efficiency increases substantially in Bahr El Nour. 2. Fair water distribution between upper and lower reach of the delivery canal is realized. 3. Appropriate manuals and guidelines of the improved methods of IIP are formulated as follows. - Manual describing the field water management - Design and construction guideline for the improvement of irrigation facilities - Textbooks of rational water use and modernized farming for leaders of farmers 4. Crop yield per unit of water of (e.g., ton/M³) increases substantially in Bahr El Nour. 5. Crop yield per unit of land of (e.g., ton/FD) increases substantially in Bahr El Nour.</p>	<p>1. Statistics on irrigation efficiency of MWRI or survey conducted by the Project 2-1. Daily record of water levels at the District Engineering Office 2-2. Less complaint record held by Local Irrigation Department (Kafr El Seikh) 3. Manuals, guidelines and textbooks 4. Statistics of MALR or survey conducted by the Project 5. Statistics of MALR or survey conducted by the Project</p>	<p>1. MWRI supports the dissemination of new approaches. 2. Situation of distribution, storage, prices and market of crops does not deteriorate.</p>
<p>Output 1. A Water Management Plan is formulated with farmers' participation. 2. A Farm Plan is formulated with farmers' participation. 3. An Operation and Maintenance (O&M) Plan for irrigation facilities is formulated. 4. Farmers' water management organizations are established in three levels.* 5. Irrigation facilities are improved. 6. Appropriate water use at the on-farm level is realized. 7. Water management within the delivery canal is achieved by farmers' water management.</p> <p>*Note: Levels of i) Federation of Water Users' Association, ii) Water Users' Association and iii) Water Users' Group</p>	<p>By the end of the project period, 1. Appropriate Water Management Plan is formulated. 2. Appropriate Farm Plan is formulated. 3. Appropriate O&M Plan is formulated. 4. Several WUAs and the Federation of WUAs are established. 5. Conveyance efficiency is increased after the improvement. 6. Measured application efficiency increased. 7-1. Financial management is properly undertaken at the WUAs. 7-2. Conferences within WUAs and of the WUF are held regularly. 7-3. Water management is properly undertaken in terms of irrigation scheduling and execution.</p>	<p>1. Water Management Plan (record of the Project) 2. Farm Plan (record of the Project) 3. O&M Plan (record of the Project) 4. Documents of the regulation (for WUA at moment) 5. Record of the Project 6. Record of the Project 7-1. Financial record of the WUAs 7-2. Activity records of WUAs and WUF 7-3. Survey conducted by the Project</p>	<p>Egyptian counterpart personnel remain in the sector related to water management or agriculture.</p>

Activities	Input		Equipment supplied from Japan for technical guidance and other activities is cleared at custom smoothly
Field 1. Formulation of a Water Management Plan	Japanese Side	Egyptian Side	
1-1. Study of existing water management (including water quality) in the project area 1-2. Formulation of a Water Management Plan 1-3. Training of governmental staff and farmers on the Water Management Plan	1. Dispatch of Japanese Experts 1-1. Long-Term Experts - Chief Adviser - Coordinator - Water Management / Irrigation Facilities - Water Users' Association - Agronomy 1-2. Short-Term Experts - If necessary 2. Provision of machinery and Equipment 3. Training of Egyptian counterpart personnel in Japan	1. Assignment of counterpart personnel and administrative staff - Project Director - Project Manager - Deputy Project Manager - Project Site Manager - Counterpart personnel in the field of ; Water Management / Irrigation Facilities ; Water Users' Association ; and Agronomy Training - Administrative staff including secretaries, drivers and others - Accountants - Other necessary supporting staff 2. Provision of land, buildings and facilities such as project offices and related facilities, expert's room and so on. 3. The supply or replacement of equipment, machinery, vehicles, instruments, tools, spare parts and any other materials other than that provided through JICA 4. Allocation of operating expenses for the Project 1) Construction, operation and maintenance of irrigation facilities in the project area 2) Personnel expenses of counterpart personnel and administrative staff of the Project (including their official travel expenses) 3) Operating expenses necessary for the implementation of the Project such as utilities	
Field 2. Formulation of a Farm Plan 2-1. Study of present condition of farm land use 2-2. Formulation of a Farm Plan 2-3. Training of governmental staff and farmers on the Farm Plan			Preconditions
Field 3. Formulation of an Operation and maintenance (O&M) Plan for irrigation facilities 3-1. Study of existing O&M condition for irrigation facilities 3-2. Formulation of an O&M Plan 3-3. Training of governmental staff and farmers on the O&M Plan			1. Farmers are cooperative to the Project. 2. Necessary support is given to the Project from both governments.
Field 4. Farmers' water management organization 4-1. Study on social background of the project area through participatory planning methodology 4-2. Promotion for farmer's acceptance of the detailed plan, implementation and O&M of IIP 4-3. Establishment of several WUAs and preparation for establishment of WUF in the project area 4-4. Training of governmental staff and farmers on farmers' water management organization			
Field 5. Improvement of irrigation facilities 5-1. Examination of existing irrigation facilities 5-2. Formulation of an improvement plan on irrigation facilities 5-3. Formulation of Design and Construction Guidelines for the improvement of Irrigation facilities			
Field 6. Appropriate water use at the on-farm level 6-1. Formulation of the methods of on-farm water management 6-2. To train governmental staff and farmers on water use at the on-farm level			
Field 7. Farmers' participation in water management system at mesqa and the delivery canal levels 7-1. Training of governmental staff and farmers on farmers' participation in the water management system 7-2. Study of the method to support sound management of WUF and WUAs			
Field 8. General Project Management 8-1. To complete project organization and to formulate annual work plan of the Project 8-2. To conduct monitoring and evaluation of the Project activities and result regularly 8-3. To compose Data Base System required for the Project 8-4. To conduct training courses required for the Project			