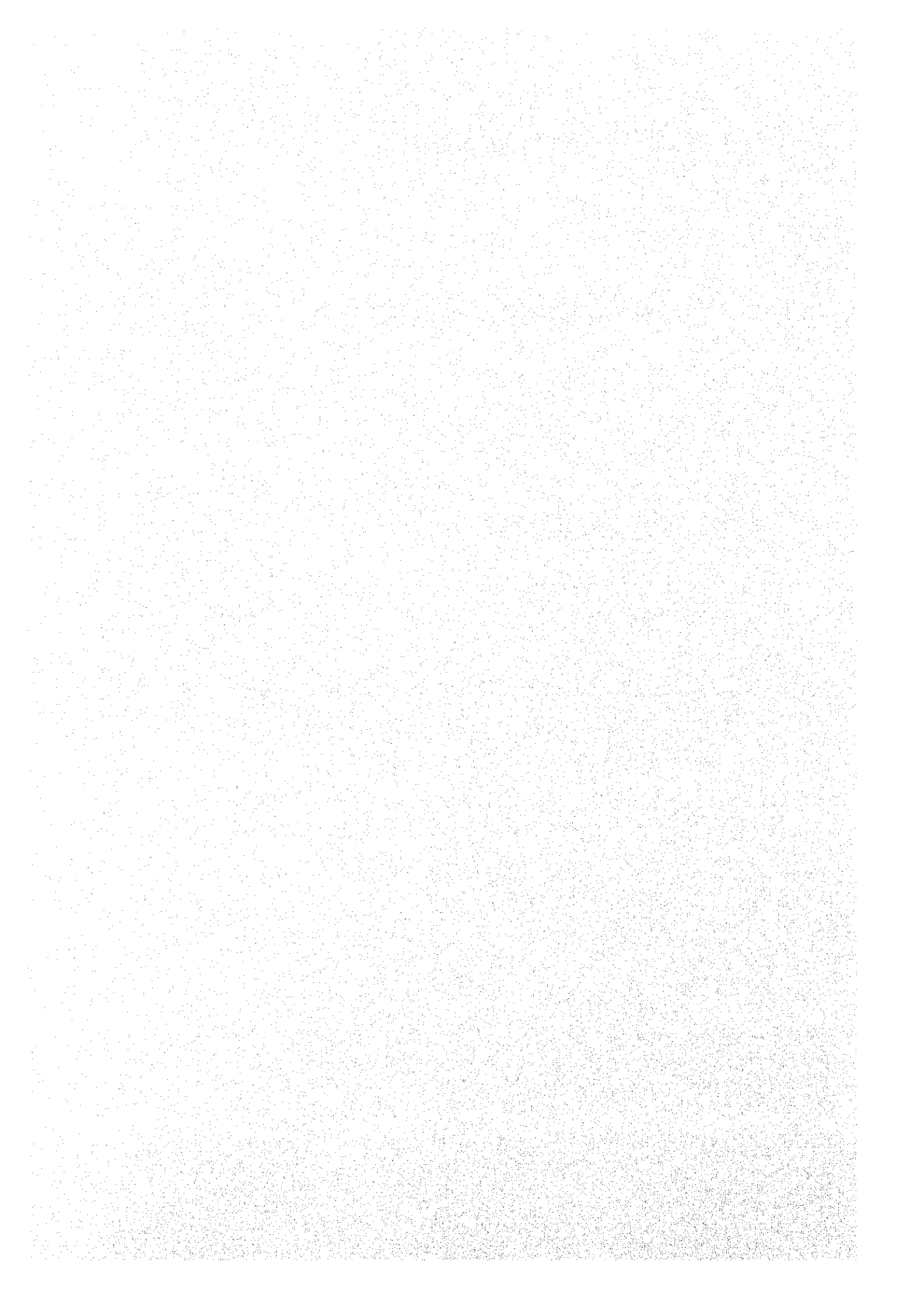


8. 実施中及び計画中のプロジェクト



実施中及び計画中のプロジェクト

- a) MWSSの計画
- b) LWUAの計画
- c) NIAの計画

A-3)

Chushi

A.M. April 20/96

MWSSの計画 - p.1

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PROJECT NAME	YIELD (mld)	TARGET AREAS	BENEFICIARIES	MAJOR COMPONENTS	STATUS/ACTIONS TO BE TAKEN
1.3 Angat Secondary Distribution (A WSOP IV) e) ASD 1-7 b) ASD 8, 10 and 12 c) ASD 11, 13, 15 and 16 d) ASD 18, 19 and 20 Angat Tertiary Distribution e) ATD 1, 2 and 3 b) ATD 4, 5, 6, 7, 8 and 9 c) ATD 10, 11, 12, 13, 14, 15, 16 and 17 d) ATD 18, 19 and 20				Secondary distribution mains Secondary distribution mains Secondary distribution mains Secondary distribution mains Tertiary distribution mains Tertiary distribution mains Tertiary distribution mains Tertiary distribution mains	NOA issued to ASD2, 3, 6 & 7 on Mar. 15, 9 & 18 1996, respectively For bidding NOA issued to all contracts For bidding July to Aug. 1996 For bidding May to August 1996 For bidding June to July 1996 For bidding Oct. to Nov. 5, 1996 Two of the three contract packages, TELM-02 & 03 already completed TELM-01 is on-going
1.4 A WSOP Telemetry SCADA Component (1993-1997) Project cost = P 391 M Funded by ADB, ICG		MWSS Central Distribution Area		Const. of Central Ctrl. Facility Inst. of SCADA comp. & equip. Installation of gauging points & monitoring points in MSA Communication System Computer-Aided-Design Equip.	Completed NTP issued on Jan. 24/96. Tunnel Boring machine to be delivered w/ in 4 mos. after NTP issuance Under the bidding and award stage
2. Umiray-Angat Transbasin Project (UA TP) 1991-1998 Project cost = P 4,157.5 M Funded by ADB, Govt. Equity, ICG	900	MWSS Central Distribution	2.2 M Population	Access Rd. to Macua Tunnel Tunnels, Power Transmission Lines, Diversion Weirs, Mini-hydro plants Transmission and Distribution Mains Clear Water Reservoir Branch offices 45,000 HSC & 33 pub. faucets	Completed NTP issued on Jan. 24/96. Tunnel Boring machine to be delivered w/ in 4 mos. after NTP issuance Under the bidding and award stage
3. Manila South Water Distribution Project (MSWDP) (1994-1998) Project Cost = P 1,720.3 M Funded under ADB, ICBC, Local/Equity/ICG	300 (Free Access)	Bacoor Les Pinas Muntinlupa Parangue	1.30 M Population		For bidding On-going construction Under the detailed engg. stage

PROJECT NAME	YIELD (mld)	TARGET AREAS	BENEFICIARIES	MAJOR COMPONENTS	STATUS/ACTIONS TO BE TAKEN
4. Rizal Water Supply Improvement Project (RPWSIP) (1994-1998) Project cost = P 1,124 M Funded by French Grant/Loan, Govt. Equity, ICG, Tax subsidy	67.8	Rizal Province	334 T. population	Treatment Plant Clear Water Reservoir Well Construction Distribution System	For supply & inst. of electro-mechanical equipment by Sept. 1996 For bidding Under the Detailed Engg. phase
5. Bakara Water Treatment Plant Rehab. Proj. (1994-1997) Project Cost = P 1,077.5 M Funded by Japanese Grant/Aid, Tax Subsidy, ICG		MWSS Central Distribution Area	6 million Population	Installation of mechanical and electrical equipment Installation of instrumentation system Minor civil works	Under the Detailed Design/Construction Phase
6. Metro Manila Groundwater Devt. Project (MMGWDP) (1993-1998) Project Cost = P 317.4 M Study grant by Japanese Govt. Rehabilitation cost by ICG	33	MWSS Service Area	220 T. Population	Rehab. of 100 MWSS wells Const. of 7 deepwells, pumping stations & 6 elev. tanks in Art Const. of 50 monitoring wells Hydrogeological survey in Rizal and testwell exploration	Awaiting for the JICA Grant-in-Aid for its full implementation Portions that are funded locally. -Drilling of 2 new wells in Antipolo -10 packaged wells for rehab. -10 packaged wells for bidding
7. Manila Second Sewerage Project (MSSP) 1995-1999 Project Cost = P 1,410.6 M Funded by World Bank, IBRD		Metro Manila	Entire service area Desludging Prog. for 600 T. Septic Tanks	Septage collection Berge loading stations Septage treatment plant at Dagat-dagatan Rehab. of Ayala Sewage treatment plant and Central Malate Sewerage and Lift Stations	
8. Fringe Areas Water Supply Project (FAWSP) (1989-1996) Project cost = P 252.432 M Funded by MWSS (local funds)	26 (groundwater)	Fringes of MSA (Rizal & Cavite areas)	600,000 Population	Const. of new deepwells and pumping stations (PS) Expansion of dist. network Additional house serv. conn.	Completed seven (=9,425 mld) out of nine (9) test wells converted to productive wells and pumping stations Identification & negotiation of sites for deepwell construction on-going

PROJECT NAME	YIELD (m ³ /d)	TARGET AREAS	BENEFI- CIARIES	MAJOR COMPONENTS	STATUS/ACTIONS TO BE TAKEN
E. PROPOSED PROJECTS					
1. Manila Water Supply Proj. (MWSP III-Laiban Dam) Project cost = P 25,000 M	1900	MWSS Service Area	5 M Population	Headworks & its appurtenances Treatment Plant and clear reservoirs Distribution system	FS/DE completed in 1978 & 1982 For updating of FS & Det. Design Included in the list of proj. for consi- deration under the Water Crisis Act
2. Manila North-East Water Supply Project (MNEWSP) (1995-2000) Project cost = P 3,394 M	300	Montalban San Mateo Marikina	476 T Population	Regulating Dam Treatment Plant Booster Pumping Station Treatment Plant	FS completed 1992. For preparation of TOR under BOT Included in the list of proj. for consi- deration under the Water Crisis Act.
3. South Metro Manila/Cavite Water Supply Project (CWSP) (1995-1998) Project Cost = P 3,300 M	800	Imus, Noveleta, Kawit, Rosario, Cavite City, Ba- cooc, Las Pinas, Marikina, Para- naque & Taguig	800 T Population	Water Treatment Plant Treated Water Reservoir Diversion Structure	Under technical evaluation by the MWSS BOT Technical Committee Heads of agreement to be submitted

Water Supply Planning/1.1 June 95

PROJECT NAME	PROJECT DESCRIPTION	CONSULTANT	FUNDED BY	COST	SCHEDULE
C. ON-GOING STUDIES					
1. Study on Water Supply and Sewerage Master Plan of Metro Manila	The Study aims to formulate a water plan on the development of water supply, sewerage and sanitation for areas under the MWSS Service Area up to the year 2015.	JICA	Japan Grant MWSS		Nov. 1994- Dec. 1996
2. Renovation of Manila Distribution Network	It aims to bring the MWSS distribution network into its optimum condition by the year 2000.	CES Local funds - P 3.85 M	World Bank Tech. Asst	\$826,202.47 Y 88,401,720 P 22,307,466	Oct. 1995- Apr-96
3. MWSS Operational Strengthening Study (MOSS)	MOSS aims to streamline operational procedures to contain NRW & bring it to an acceptable level.	Binnie Thames Water, TGCI	ADB Tech. Assistance, MWSS	\$600,000 \$30,000	Sept. 1995- Apr-96
4. Water Supply Improvement Study (WISIS)	To formulate a proj. that will help improve MWSS operational performance by minimizing losses in the primary distribution network	Montgomery Watson, DCCD	ADB Tech. Assistance, MWSS	\$582,000 \$50,000	Aug. 1995- Mar-96
5. Study on the Privatization of MWSS	To come up with a comprehensive plan on the privatization of MWSS thru the review of its existing technical profile, legal & statutory framework, current tariff, financial position and the labor and public perception towards the System.	International Finance Corp (IFC)	World Bank French Grant MWSS	\$ 1 Million \$ 5.2 Million Tot = \$ 6.2 M	Nov. 1995- 1997
6. Mini-Prop-Type Technical Cooperation on the NRW Reduction in Metro Manila	To upgrade and strengthen expertise of MWSS in NRW reduction through the maintenance of information on the water distribution network, water leakage control, identification and quantification of existing major factors or determinants causing NRW and previous maintenance plan for NRW reduction.	JICA	Japan Grant MWSS	P 15 M P 6.6 M	June 1995- Jun-98

Department : Public Works and Highways
 Agency/Bureau/Office : LOCAL WATER UTILITIES ADMINISTRATION

Function/Project/Purpose	REGION	OUTPUT SPECIFICATION	1995 ACTUAL		FIRST QTR. ACTUAL		SECOND QTR. ESTIMATES		THIRD QTR. ESTIMATES		FOURTH QTR. ESTIMATES		TOTAL
6. Water District Institutional Development													
1. Water District Formation	various	Number of EPS Installations/Follow-up	5	3	1	21						4	107
2. Commercial Practices System (Accounting)	various	Number of Courses Given	107	27	35	10						30	30
3. Training Assistance	various	Number of rate reviews	36	6	5	37						186	186
4. Water Prices Review	various		195	47	53								
7. Water District Facilities Improvement													
1. Feasibility Study (Consultants)	various	Number of Feasibility Study	0	0	0	0						0	0
Completed	various	Number of Feasibility Study	6	0	53	63						63	63
On-going													
2. Feasibility Study (Update Only)	various	Number of Feasibility Study (update)	0	0	15	7						22	22
Completed	various	Number of Feasibility Study (update)	15	15	0	0						0	0
On-going													
3. PWA Preparation (Completed)	various	Number of PWA	125	14	33	13						33	33
4. Pession	various	Number of Design	0	0	0	0						2	2
Completed	various	Number of Design	2	5	6	31						31	31
On-going													
5. Construction													
a. Phased Projects	various	Number of Construction Projects	4	0	4	1						1	6
Completed	various		11	15	9	10						10	10
On-going													
b. By Administration (Level III)	various	Number of Construction Projects	81	11	19	26						77	77
Completed	various		42	47	53	61						61	61
On-going													
8. Watershed Management Program (On-going)													
			13 projects on-going		111 on-going								

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LOCAL WATER UTILITIES ADMINISTRATION
CY 1996 TARGET PHYSICAL ACCOMPLISHMENTS

	AREA 1			AREA 2			AREA 3			AREA 4			GRAND TOTAL		
	10	20	30	10	20	30	10	20	30	10	20	30	10	20	30
A. INSTITUTIONAL DEVELOPMENT															
1. RD FORMATION	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0
2. CFS INSTALLATION/FOLLOW-UP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. WATER RATE REVIEW	16	11	10	12	17	10	49	10	13	11	6	40	11	17	11
4. TRAINING ASSISTANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B. FACILITIES IMPROVEMENT															
1. FEASIBILITY STUDY (LOCAL CONSULTANTS)															
COMPLETED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ON-GOING	0	32	32	0	12	12	12	0	5	6	6	6	0	13	13
2. FEASIBILITY STUDY (UPDATE ONLY)															
COMPLETED	0	11	0	2	13	0	4	0	4	0	0	1	0	0	0
ON-GOING	11	0	2	0	0	4	0	4	0	0	0	0	0	0	0
3. DESIGN (LOCAL CONSULTANTS)															
COMPLETED	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
ON-GOING	1	2	3	14	14	0	4	8	8	1	1	7	3	3	2
4. PDM PREPARATION (COMPLETED)															
COMPLETED	1	3	3	5	17	1	3	14	7	25	5	5	6	0	16
ON-GOING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. WELL DRILLING (COMPLETED)															
COMPLETED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ON-GOING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. CONSTRUCTION															
Phase Projects															
COMPLETED	0	0	0	0	0	0	2	0	2	0	2	1	1	4	0
ON-GOING	2	2	2	2	2	2	2	2	2	6	6	5	5	1	1
By Administration - Lev III															
COMPLETED	7	5	9	26	3	9	4	12	0	6	8	4	18	1	7
ON-GOING	9	11	13	22	14	12	19	15	11	14	8	10	10	13	16
7. WATERBOD MANAGEMENT PROGRAM															
!!! on-going !!!															

WORK PLAN
1996

Department : Local Water Utilities Administration

AREA	PROJECTS / PROGRAMS	M.C.	PROJECT STAGE	ACTUAL		ESTIMATE		ESTIMATE		REMARKS
				1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST QUARTER	2ND QUARTER	
III. Proposed Foreign - Assisted Packages										
German Projects (LTY) I										
1	Ordaneta WD		1 : Update FS / Design	90 FS	100 FS				30 Des	ICC approval expected 3rd qtr. 1996
	Saul WD		1 : Update FS / Design	90 FS	100 FS				30 Des	
	Pangasinan		2 : Update FS / Design	90 FS	100 FS				30 Des	
	Isabela		2 : Update FS / Design	90 FS	100 FS				30 Des	
	Quirino		3 : Update FS / Design	90 FS	100 FS				30 Des	
	San Leonardo WD		3 : Update FS / Design	90 FS	100 FS				30 Des	
	Palayera WD		3 : Update FS / Design	90 FS	100 FS				30 Des	
	San Isidro WD		3 : Update FS / Design	90 FS	100 FS				30 Des	
2	Nueva Ecija		4 : Update FS / Design	90 FS	100 FS				30 Des	
	Laguna		4 : Update FS / Design	90 FS	100 FS				30 Des	
	Rosario WD		4 : Update FS / Design	90 FS	100 FS				30 Des	
German Projects (LTY) II										
1	Igo WD		1 : Update FS / Design	90 FS	100 FS				15 Des	LTY deferred fact-finding mission
	Langaran WD		1 : Update FS / Design	90 FS	100 FS				15 Des	
	Sta. Cruz WD		3 : Update FS / Design	90 FS	100 FS				15 Des	
	Masatol WD		3 : Update FS / Design	90 FS	100 FS				15 Des	
2	Nabua WD		5 : Update FS / Design	90 FS	100 FS				15 Des	
	Catarman Sur		5 : Update FS / Design	90 FS	100 FS				15 Des	
	Mataog WD		5 : Update FS / Design	90 FS	100 FS				15 Des	
GICF 2078 YEM P2-154										
1	San Fernando WD		3 : Rev. FS/Det. Des.						50 R-FS/50 R-150 R-FS-50	Review of FS and detailed design by Foreign Consultants.
	Tarlac WD		3 : Rev. FS/Det. Des.						50 R-FS/50 R-150 R-FS-50	
2	Batangas WD		4 : Rev. FS/Det. Des.						50 R-FS/50 R-150 R-FS-50	
	Quezon Retro WD		4 : Rev. FS/Det. Des.						50 R-FS/50 R-150 R-FS-50	
	Lipa City WD		4 : Rev. FS/Det. Des.						50 R-FS/50 R-150 R-FS-50	
	Marikina WD		5 : Rev. FS/Det. Des.						50 R-FS/50 R-150 R-FS-50	
3	Escolod WD		6 : Rev. FS/Det. Des.						50 R-FS/50 R-150 R-FS-50	
1	BOSSID (Baguio City WD) Baguinet		50R Design	2		8		15		
IV. Locally Funded Projects :										
A. On-going Projects :										
Level III Construction:										
1	Sibosaon WD		1 : Construction					40		50

W O R K I N G
1 9 9 6

Boardman : Local Water Utilities Administration

AREA	PROJECTS / PROGRAMS	REG.	PROJECT STAGE	ACTUAL	ESTIMATE	ESTIMATE	ESTIMATE	REMARKS
			1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER		
	Pangasinan	1	Construction				20	Senate assisted project
	Bastida MO	3	Construction	80	80	100		
	Cabangan MO	3	Construction	47	50	85	100	
	Calupit MO	3	Construction			30	60	
	Candelaria MO	2	Construction	100				
	Cordon MO	1	Construction					20 :CIF Project
	Infanta MO	3	Construction	100				
	Morong MO	3	Construction			30	50	elevated Reservoir
	San Narciso MO	3	Construction		95	100		
	San Rafael MO	3	Construction				20	
	Sto. Domingo MO	3	Construction				20	Senate project
	Palaua MO	3	Construction			20	100	:CIF
	Caailang MO	3	Construction				20	:CIF
	Catiliwaan MO	3	Construction				20	:CIF
	Mariveles MO	1	Construction				20	:CIF
	Pangasinan	1	Construction				20	:CIF
	San Manuel MO	1	Construction				20	:CIF
	San Quintin MO	1	Construction				20	:CIF
	Sta. Maria MO	1	Construction				20	:CIF
	Agoo MO	1	Construction	0	100			
	Cabla MO	3	Construction				20	
	Capayan MO	2	Construction				20	
	Jeep MO	3	Construction			50	80	
	Marilao MO	3	Construction		40	100		
	Orani MO	3	Construction		40	80	100	
	San Antonio MO	3	Construction			10	80	
	Nueva Ecija	3	Construction			10	80	
	San Jose City MO	3	Construction			10	80	
	Subic MO	3	Construction			10	80	
	Talavera MO	2	Construction				160	
	Isabela	1	Construction				20	
	Benget MO	1	Construction				20	
	Bayabang MO	1	Construction	24	80	100		
	Socorro MO	3	Construction				20	
	Suliten	1	Construction				50	
	Abra							
	1993 Carry-over Projects							
	Angat MO	2	Construction	100	100			
	San Ricardo MO	3	Construction	100				
	Cabarrocan MO	2	Construction	27	25	80	100	Senate Project
	Orillon MO	2	Construction	100				Senate Project
	Madalla MO	2	Construction	3	3	50	100	Senate Project
	Marikina MO	2	Construction	100	100			Senate Project
	Sagayan MO	2	Construction	75	50	100		Senate Project
	Tarlac MO	3	Construction	100	100			Senate Project
	San Antonio MO	3	Construction	0	50	50	100	

WORK PLAN
1996

Department : Local Water Utilities Administration

AREA	PROJECTS / PROGRAMS	RES.	PROJECT STAGE	ACTUAL : ESTIMATE	ESTIMATE : ESTIMATE	REMARKS
				1ST QUARTER : 2ND QUARTER : 3RD QUARTER : 4TH QUARTER		
	Concepcion WD		6 : Construction	10 : 40	80	
	Mabuso WD		5 : Construction	30 : 60	100	
	Victorias WD		6 : Construction	30 : 90	100	
	Rorongan WD		8 : Construction	20 : 80	100	
	Alladian WD		6 : Construction		30	
	Bunavista WD		8 : Construction		30	
	Buñaras		8 : Construction		30	
	Nueva Valencia WD		8 : Construction		30	
	Celarran WD		8 : Construction	50 : 100		
	San Julian WD		8 : Construction		30	
	Dutagays WD		6 : Construction	60 : 100		
3	1995 Carry-Over Projects					
	Berbara WD		5 : Construction	95		
	Solas (Ily b)		6 : Construction	20 : 60	100	
	Pandan WD		6 : Construction	20 : 50	100	
	Panteveser WD		6 : Construction	30 : 70	100	
	Maire Ilalilo ICS		5 : Construction		20	
	Kapanitan WD		5 : Construction	80 : 100		
	Binigla - Pasion WD		6 : Construction		60	
	Milag - ay WD		6 : Construction		20	
	Sanabigan WD		6 : Construction		30	
	Calbipa WD		8 : Construction	0 : 50	100	
	Sulat WD		8 : Construction		30	
	Sanay WD		8 : Construction	80 : 100		
	Carigara WD		8 : Construction	50 : 100		
	Zarain WD		9 : Construction	80 : 100		
	Milonecos WD		8 : Construction	15 : 70	100	
	Cebuweg (2nd Imp.)		8 : Construction	85 : 88	100	
	Cebu PI-03 R241		7 : Construction	75 : 100		
	Depitan WD		9 : Construction	52 : 73	100	
	Colabato WD		12 : Construction	5 : 29	95	
	Bigas WD		11 : Construction	30 : 50	50	
	Diracoy (1st WD)		9 : Construction	38 : 50	100	
	Orasis R254 I		10 : Construction	40 : 60	100	
	Orasis R254 II		10 : Construction	40 : 60	100	
	Falanco WD		9 : Construction	10 : 40	100	100 : Reservoir construction
	Acrop WD		9 : Construction	10 : 40	100	50 : for public hearing
	Piscuizen WD		12 : Construction	80 : 100		
4	1995 Carry-Over Projects					
	Surigao City II		10 : Construction	19 : 59	70	

WORK PLAN
1996

Department : Local Water Utilities Administration

AREA	PROJECTS / PROGRAMS	NO.	PROJECT	ACTUAL		ESTIMATE		ESTIMATE		REMARKS
				1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER			
A	Package H	8	Borongan WD							
		8	Leyte							
		5	Catbalogan WD							
		8	Leyte							
	Package I	9	Zamboanga Norte							
		9	Zamboanga Norte							
		10	Bulacan							
		10	Bulacan							
		10	Mississ Occ.							
		10	Agusan Norte							
		12	North Cotabato							
	Package J (additional)	9	Zamboanga Sur							
		11	Quezon del Norte							
		11	Quezon							
		11	Quezon del Sur							
		11	Quezon Oriental							
		12	North Cotabato							
			Package K	3	Bulacan					
3	Bulacan									
3	Bulacan									
3	Bulacan									
3	Quezon									
3	Quezon									
	Package L			10	Ilocos Norte			100		
		10	Ilocos Norte			100				
		30	Ilocos Norte			100				
		40	Ilocos Norte			100				
		10	Cebu			100				
		10	Cebu			100				
	Package M	1	Ilocos Norte							
		1	Ilocos Norte							
		1	Ilocos Norte							
		1	Ilocos Norte							
		1	Cebu							
		1	Cebu							

WORK PLAN
1996

AREA	PROJECTS / PROGRAMS	RES.	STAGE	PROJECT	ACTUAL	ESTIMATE	ESTIMATE	ESTIMATE	REMARKS
					LIST	2ND	3RD	4TH	
					QUARTER	QUARTER	QUARTER	QUARTER	
	Antilao MO		6:POW Prep		100				
	Balacan MO		6:POW Prep		100				
	Barotac Viejo MO		6:POW Prep		30	100			
	Bingie-Palican MO		6:POW Prep		100				
	Buenas MO		6:POW Prep		90	100			
	Janibuy MO		6:POW Prep		100				
	Passi MO		6:POW Prep		100				
	Catagan MO		8:POW Prep		100				
	Petro Carigara		8:POW Prep		80	100			
	Lawan MO		8:POW Prep		80	100			
	Calaran MO		8:POW Prep		80	100			
	San Isidro MO		8:POW Prep		80	100			
	Northern Saar		8:POW Prep		80	100			
	Victoria MO		8:POW Prep		60	100			
	Calbalogan MO		8:POW Prep		100				
	Ransalin MO		11:POW Prep		45	100			
	Baraco MO		13:POW Prep				40	100	
	Romawan MO		13:POW Prep			40	100		
	Cabobaran MO		13:POW Prep				40	100	
	Isil MO		9:POW Prep		90	100			
	Isabela MO		9:POW Prep		90	100			
	Rassia MO		11:POW Prep		40	100			
	Mali MO		11:POW Prep		40	100			
	Mabujao MO		10:POW Prep		40	100			
	Masigit MO		13:POW Prep		40	100			
	Risal MO		9:POW Prep		40	100			
	San Isidro MO		11:POW Prep		40	100			
	Tanday MO		13:POW Prep		90	100			
	Tukuran MO		9:POW Prep		40	100			
	Cagwait MO		13:POW Prep		40	100			
	San Francisco MO		13:POW Prep		40	100			
	Hinatuen MO		13:POW Prep		40	100			
	Sultan Kudarat MO		12:POW Prep		100				
	Palocol MO		12:POW Prep		100				
	Kauswagan MO		12:POW Prep		100				
	Ligue MO		11:POW Prep		40	100			
	Empog		9:POW Prep		95	100			
	Jolo		9:POW Prep		98	100			
	Liloy		9:POW Prep		40	100			
	Malis		10:POW Prep		60	100			
	Misamis Occ. MO		13:POW Prep		60	100			
	Joba MO		13:POW Prep		60	100			
	Prosperidad		13:POW Prep		40	100			
	Sarangani		13:POW Prep		40	100			

WORK PLAN
1996

Department : Local Water Utilities Administration

AREA	PROJECTS / PROGRAMS	REG.	STAGE	PROJECT	ACTUAL		ESTIMATE		REMARKS
					1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	
	Malaybaly		10 : POW Prep		70	100		40	100
	Manila Occ.		10 : POW Prep						
	Manila Oriental		10 : POW Prep		100				
	Opol		10 : POW Prep		60	100			
	Alegria		10 : POW Prep		100				
	Claver		10 : POW Prep		50	100			
	Metro Siergo (Gen. Serv.)		10 : POW Prep		70	100			
	Carrascal		13 : POW Prep		100				
	Linao		13 : POW Prep		60	100			
	Iago		13 : POW Prep		90	100			
	Tandag		13 : POW Prep		50	100			
	San Miguel		13 : POW Prep		100				
	Kolabagan		12 : POW Prep		40	100			
	Maluso		9 : POW Prep						still on-going
UNFINISHED MANAGEMENT PROGRAM									
National Pilot Projects:									
	Bohanga City								
	Davao								
	San Pablo City								
	Roxas City								
Regional Projects:									
	Iloilo Norte								
	Tuguegarao								
	San Ildefonso								
	Ateneo								
	Malco Hill								
	Metro Manila								
	Murqueza City								
	Catbalogan								
	Orizaba City								
	Escalera								
	Malabon								
	Cebu								
Provincial Projects:									
	La Trinidad								

NIA

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APPROVED CAPITAL OUTLAY : CY 1996

PROJECT/LOCATION/ DATE STARTED/ TARGET COMPLETION DATE	FINANCIAL PROGRAM (PI, 000)			PHYSICAL TARGETS (ha)	
	LOCAL 2/	FOREX 1/	TOTAL	NEW	REMB
1. REGULAR PROGRAM					
A. NATIONAL IRRIGATION PROJECTS					
1) Foreign-Assisted					
a. Ongoing					
1. Diversified Crops Irrigation Engineering Project II May 1987/May 1998	7,000	0	7,000	Research Units	
2. Kalituhog-Maridagao Irrigation Project North Cotabato and Maguindanao October 1989/March 1998	11,110	216,860	227,970	1,760	0
3. Kabiluan Irrigation and Area Development Project Maguindanao April 1992/December 1997	241,599	355,340	697,939	663	0
4. Irrigation Operation Support Project II Nationside 1993/1998	65,720	475,000	540,720	0	691,910
5. Shallow Groundwater Irrigation Project/Rehabilitation of Affected Areas of Mt. Pinatubo Eruption 3/ Pampanga, Tarlac, Zambales & Bataan March 1993/December 1996	27,280	0	27,280	0	1,430
b. New					
1. Lower Agusan Development Project Agusan del Norte 1996/2000	72,000	60,000	132,000	Generation of areas in later years	
2. Irrigation System Improvement Project II Northern Leyte 1995/2001	20,000	41,740	61,740	0	0
Subtotal	452,700	1,159,010	1,611,710	2,440	1,430
					664,910

APPROVED CAPITAL OUTLAY : FY 1999

PROJECT/LOCATION/ DATE STARTED/ TARGET COMPLETION DATE	TOTAL LOCAL FUNDS (P1,000)			PROVISIONAL TARGETS (US\$)	
	LOCAL 2/	DOSEA 1/	TOTAL	ECN	FFEMU
2) Locally-Funded					
a. Ongoing					
1. Bulsa Dan Irrigation Project Tarlac January 1992/December 1996	173,000	0	173,000	0	1,600
2. Bohol Irrigation Project Bohol January 1993/December 1998	80,000	0	80,000	520	0
3. Panganga Delta Development Project Panganga 1992/1999	50,000	0	50,000	0	0
4. Small Reservoir Irrigation Project 1989 - 1999	400,000	0	400,000	0	0
b. New					
1. Rehabilitation of Angat Afterbay Regulatory Dam Bulacan 1996	100,000	0	100,000	0	0
2. Construction of Abuley Dam Project Kalinga-Apayao 1996/2000	131,500	0	131,500	0	0
3. Pump Project for Corn & Other Diversified Crops Cagayan & Isabela 1997/2001	100,000	0	100,000	0	0
4. Casecan Multipurpose Project - Irrigation Component (Detailed Engineering) Tarlac & Nueva Ecija 1996/2000	25,000	0	25,000	0	0
5. Catubig Valley Irrigation Project Northern Samar 1996/1999	25,000	0	25,000	0	0
6. Addalan River Irrigation Project Quirino & Isabela 1996/2000	20,070	0	20,070	0	0
Subtotal	1,104,570	0	1,104,570	520	1,600

MICROWORLD CAPITAL QUANT : FY 1974

PROJECT/LOCATION/ DATE STARTED/ TARGET COMPLETION DATE	FEDERAL PROGRAM (M,000)			BUDGETAL TARGET (ha)	
	LOCAL F/	FEDERAL F/	TOTAL	REI	OTHER
3) Continuing Activities					
1. Rehabilitation/Repair & Improvement of Drainage & Flood Protection System within NIS & CIS	160,000	0	160,000	200	kn. drainage
2. Repair/Rehabilitation of Existing NIS and CIS	1,075,000	0	1,075,000	0	81,000
3. Subsidy for Maintenance & Other Operating Expenses of NIS/Repair of Equipment	260,000	0	260,000	Support to Maintenance & Other Operating Expenses/Equip. Repair	
4. Repair/Rehabilitation & Construction of Farm-to-Market Roads in the Designated Key Production Areas in NIS in Coordination with the DREN	121,910	0	121,910	3,529	kn. roads
5. Feasibility Studies & Detailed Eng'g of Projects	125,000	0	125,000	F.S. & Detailed Eng'g.	
6. Agri-Institutional Development Project	10,000	0	10,000	Organization & Strengthening of Ins.	
7. Repair/Establishment of Groundwater/Pump Projects	120,000	0	120,000	0	1,000
8. Payment of Right-of-Way	50,000	0	50,000	R/W Acquisition	
Subtotal	1,884,910	0	1,884,910	1,000	87,000
				200	kn. drainage
				3,529	kn. roads
Total for National Irrigation Projects	3,442,580	1,159,000	4,601,520	2,960	96,000
					3/
					667,810
				200	kn. drainage
				3,520	kn. roads

PROJECT/LOCATION/ DATE STARTED/ TARGET COMPLETION DATE	FINANCIAL PROVISION (P1,000)			PHYSICAL TAD (ha)	
	LOCAL 2/	FOREIGN 1/	TOTAL	REG	PTMAM
D. COMMUNAL IRRIGATION PROJECTS					
1) Foreign-Assisted					
a. Ongoing					
1. Palawan Integrated Area Development Project II Palawan January 1991/December 1997	0	104,500	104,500	1,429	739
2. Conaual Irrigation Development Project II Katarawida July 1991/December 1999	45,000	393,700	438,700	2,930	2,330
3. Visayas Conaual Irrigation and Participatory Project Regions 6, 7 and 8 November 1992/December 1997	0	112,600	112,600	789	1,630
Subtotal	45,000	607,200	652,200	5,080	4,700
Total for Conaual Irrigation Projects	45,000	607,200	652,200	5,080	4,700
Total for Regular Program					
	3,427,520	1,766,240	5,193,760	8,040	21,530
				200 ha drainage	691,810
				1,520 ha roads	
II. INTER-AGENCY PROJECTS					
1. Comprehensive Agrarian Reform Program - Irrigation Component Nationwide June 1989 - December 1998	515,000	0	515,000	7,515	4,457
Total for Inter-Agency Projects	515,000	0	515,000	7,515	4,457
Total for Irrigation Program					
	4,002,520	1,766,240	5,768,760	15,555	25,987
				200 ha drainage	691,810
				1,520 ha roads	

1/ Conversion rate used : \$1.00 = P25.00

2/ Includes funds from GATT Adjustment Support Measure

3/ Funded under JICA Grant

4/ Sustainance of O&M = 604,310 ha; Urgent Repairs = 55,996 ha; Systems Improvement = 74,454 ha

PHYSICAL AND FINANCIAL STATUS OF NATIONAL IRRIGATION PROJECTS
AS OF MARCH 31, 1996

PROJECT	PHYSICAL STATUS					FINANCIAL STATUS (¥, 000)				
	IRRIGABLE AREA (ha)	GENERATED/(REHABILITATED)		TOTAL ESTIMATED COST (In '000)	OVERALL PROJECT STATUS (i)	JAN. 1 - MAR. 31, 1996			CASH EXPENDITURES TO DATE	
		NEW/REHAB (ha)	CY 1996 TARGET AREA			JAN. 1 - MAR. 31, 1996	RELEASES	CASH/GRD		EXPENDITURES 2/
1. FOREIGN-ASSISTED PROJECTS										
A. CROPS										
1. RCIIP II		RESEARCH WORKS		59.11 P	29,450	7,000 (a)	5,000	5,000	1,376	43,943
				Y	275,000	(b)	0	0	0	
				TP	34,450	(c)	0	0	0	
						(d)	0	0	0	
						(e)	5,480	5,000	1,376	
2. NRIIP	19,840	1,760	0	0	12.74 P	1,037,715	227,370 (a)	0	0	132,504
	0				Y	4,867	(b)	0	0	
					TP	2,453,173	(c)	0	0	3,317
							(d)	0	0	0
							(e)	0	0	3,317
3. KIIDP	11,500	680	352	352	13.85 P	693,747	607,330 (a)	272,075	272,075	216,125
	0				Y	17,460,000	(b)	193,600	193,600	0
					TP	1,505,000	(c)	0	0	33,000
							(d)	0	0	0
							(e)	495,625	465,625	34,725
4. IGSP II	0				27.53 P	1,535,977	543,720 (a)	394,090	264,295	21,166
	(620,076)	(604,810) 2/		0	Y	531,300	(b)	47,769	47,769	0
					TP	2,081,324	(c)	0	0	48,351
							(d)	0	0	0
							(e)	422,575	432,575	69,577
5. SCIP/RAAPF	0	0	0	0	58.13 P	102,655	27,235 (a)	0	0	3,315
	(4,932)	(1,430)	(503)	(2,219)	Y	589,000	(b)	0	0	0
					TP	251,831	(c)	0	0	5,331
							(d)	0	0	0
							(e)	0	0	0

PHYSICAL AND FINANCIAL STATUS OF FOREIGN ASSISTED PROJECTS
AS OF MARCH 31, 1986

PROJECT	PHYSICAL STATUS				FINANCIAL STATUS (in '000)					
	IRRIGABLE AREA (ha)	GENERATED/(REHABILITATED) AREA (ha)	OVERALL STATUS	ESTIMATED CY 1986	RELEASES	EXPENSES	TO	DATE	DATE	
	AREA (ha)	AREA (ha)	STATUS (1)	DATE	CMO	RCO-CASH	TO	DATE	DATE	
	22,340	2,440	352	352	P 2,159,543	1,410,000	(a) 682,433	682,433	48,567	517,157
	(624,973)	(1,430)	(583)	(2,219)	\$ 101,169		(b) 211,360	211,360	0	0
SUBTOTAL		(494,810)*/	0		Y 895,099		(c) 0	0	96,125	
					TP 6,665,453		(d) 0	0	0	0
							(e) 923,801	923,801	144,532	
B. NEW										
1. LADP	0	0	0	0	P 329,150	132,000	(a) 0	0	0	0
					\$ 39,130		(b) 0	0	0	0
					TP 1,364,200		(c) 0	0	0	0
							(d) 0	0	0	0
							(e) 0	0	0	0
2. ISIP II	0	0	0	0	P 422,100	59,749	(a) 0	0	0	5
					\$ 33,639		(b) 6	0	0	0
					TP 1,172,160		(c) 0	0	0	5
							(d) 0	0	0	0
							(e) 0	0	0	5
SUBTOTAL	0	0	0	0	P 749,250	201,749	(a) 0	0	0	5
					\$ 69,130		(b) 0	0	0	0
					TP 2,476,360		(c) 0	0	0	5
							(d) 0	0	0	0
							(e) 0	0	0	5
TOTAL FOR FOREIGN ASSISTED PROJECTS	22,340	2,440	352	352	P 2,947,254	1,611,749	(a) 682,433	682,433	48,567	517,157
	(624,973)	(1,430)	(583)	(2,219)	\$ 173,297		(b) 211,360	211,360	0	0
		(694,810)*/			Y 895,099		(c) 0	0	96,125	
					TP 8,542,763		(d) 0	0	0	0
							(e) 923,801	923,801	144,532	

PHYSICAL AND FINANCIAL STATUS OF PROJECTS UNDER CONSTRUCTION
AS OF MARCH 31, 1976

PROJECT	PHYSICAL STATUS					FINANCIAL STATUS (11,000)					
	DELEGABLE:	GENERATED/(RENEWED)	AREA (ha)	COVERED:	TOTAL:	APR. 1 - MAR. 31, 1976	RELEASABLE	RELEASABLE	RELEASABLE	RELEASABLE	
1. MUP	0	0	0	0	83.71 TP	484,600	171,600	(a) 134,600	134,600	43,814	908,200
	(3,600)	(1,600)	0	0				(b) 0	0	0	
								(c) 0	0	23,600	
								(d) 0	0	0	
								(e) 134,600	134,600	67,401	
2. RHP	4,960	520	0	2,796	97.17 TP	1,458,400	60,000	(a) 6,452	6,452	1,915	901,000
		0	0	0				(b) 0	0	0	
								(c) 0	0	0	
								(d) 0	0	0	
								(e) 6,452	6,452	1,915	
3. PPH	10,092	0	0	0	4.41 TP	1,650,000	50,000	(a) 0	0	0	0
		0	0	0				(b) 0	0	0	
								(c) 0	0	0	
								(d) 0	0	0	
								(e) 0	0	0	
4. SRIP	30,416					TP 2,057,100	400,000	(a) 89,600	89,600	27,791	90,500
								(b) 0	0	0	
								(c) 0	0	7,160	
								(d) 0	0	0	
								(e) 89,600	89,600	34,951	
SUBTOTAL	46,068	520	0	2,796	TP 5,045,610	2,916,600	291,600	(a) 234,452	234,452	73,180	1,002,835
	(3,600)	(1,600)	0	0				(b) 0	0	0	
								(c) 0	0	30,761	
								(d) 0	0	0	
								(e) 234,452	234,452	104,141	

PHYSICAL AND FINANCIAL STATUS OF IRRIGATION AND RELATED PROJECTS
AS OF MARCH 31, 1996

PROJECT	PHYSICAL STATUS				FINANCIAL STATUS (11,000)				
	IRRIGABLE AREA (ha)	GENERATED/(REHABILITATED) AREA (ha)	STATUS	DATE	APR. 1 - MAR. 31, 1996	APR. 1 - MAR. 31, 1995	APR. 1 - MAR. 31, 1994	APR. 1 - MAR. 31, 1993	
1. REPAIR OF NIGAY AFTER-DAY REGULATORY DAM		Repair of Dam	IP	625,000	180,000	(a) 80,000 (b) 0 (c) 0 (d) 0 (e) 80,000	80,000	26,000	74,000
2. CONSTRUCTION OF ABULOG DAM PROJECT		Repair of Dam	IP	866,000	111,900	(a) 105,520 (b) 0 (c) 0 (d) 0 (e) 105,520	105,520	31,656	11,056
3. PUMP PROJECT FOR CORN & OTHER DIVERSIFIED CROPS		Generation of Area in Later Years	IP	2,376,000	100,000	(a) 0 (b) 0 (c) 0 (d) 0 (e) 0	0	0	0
4. CASECIHAM MULTIPURPOSE PROJECT - 1C (D.E.)		Detailed Engineering	IP	1,236,620	25,000	(a) 0 (b) 0 (c) 0 (d) 0 (e) 0	0	0	0
5. CAIBUC VALLEY IP		Generation of Area in Later Years	IP	225,000	25,000	(a) 0 (b) 0 (c) 0 (d) 0 (e) 0	0	0	0

PHYSICAL AND FINANCIAL STATUS OF EXPENSE FOR CAPITAL PROJECTS
AS OF MARCH 31, 1996

PROJECT	PHYSICAL STATUS				FINANCIAL STATUS (Million)						
	IRRIGABLE AREA (ha)		GENERAL ESTIMATED COST (Million)		JAN. 1 - MAR. 31, 1996		CASH RELEASES				
	GENERAL/REHABILITATED	AREA (ha)	GENERAL/ESTIMATED	COST (Million)	GENERAL/ESTIMATED	RELEASES	GENERAL/ESTIMATED	RELEASES			
6. ADDITIONAL	Generation of Area in later Years	4F	687,136	20,530	(a)	0	0	0	0		
					(b)	0	0	0	0		
					(c)	0	0	0	0		
					(d)	0	0	0	0		
					(e)	0	0	0	0		
SUBTOTAL					(a)	139,520	139,520	59,774	59,774		
					(b)	0	0	0	0		
					(c)	0	0	0	0		
					(d)	0	0	0	0		
					(e)	139,520	139,520	59,774	59,774		
TOTAL FOR	46,068	520	0	2,796	1012,509,756	1,184,930	(a)	419,972	419,972	139,778	1,34,541
LOCALLY	(8,000)	(1,000)	0	0			(b)	0	0	0	0
FUNDING							(c)	0	0	36,774	
PROJECTS							(d)	0	0	0	
							(e)	419,972	419,972	139,778	
III. CONTINUING ACTIVITIES:											
1. Rehab/Repair & Improvement Program of Drainage & Flood Protection System w/ in NIS & CIS	Annual	200 ka			180,990	(a)	0	0	0		
						(b)	80,000	80,000	0		
						(c)	0	0	27		
						(d)	0	0	0		
						(e)	80,000	80,000	27		
2. Repair/Rehab of Existing NIS and CIS	Annual	0			1,675,000	(a)	0	0	0		
	Program	(83,000)				(b)	185,520	185,520	0		
						(c)	0	0	92,770		
						(d)	0	0	0		
						(e)	185,520	185,520	92,770		

PHYSICAL AND FINANCIAL STATUS OF PROJECTS - GRENADA 1994-95
AS OF MARCH 31, 1995

PROJECT	PHYSICAL STATUS				FINANCIAL STATUS (11,000)				
	PROGRAMME	GERMINATED/REHABILITATED	STATUS	TOTAL	JAN. 1 - MAR. 31, 1995			CASH	
	AREA	AREA (ha)	GOVERNMENT	ESTIMATED	REVENUES	EXPENSES	DIFFERENCE	IN HAND	
NEW/REPAIR	CY 1996	JAN. 1 - 1996	STATUS	(11,000)	PROGRAM U/				
(ha)	TARGET	MAR. 31	DATE	(%)		CASH/	EXPENSES	TO	
	AREA	1996				SAVED	IN-CASH	FOR	STATE
						SURPLUS			
3. Subsidy for Maintenance & Other Operating Expenses of M/S/Repair of Equipment	Annual Program	Support to Maintenance & Other Operating Expenses/Eqpt. Repair			295,050	(a) 0	0	0	0
						(b) 135,529	135,529	0	0
						(c) 0	0	0	0
						(d) 0	0	0	0
						(e) 155,520	135,529	0	0
4. Repair/Rehab & Construction Program of Farm-to-Market Roads in the Designated Key Production Areas in MIS in Coordination with DGRM	Annual Program	1,520 km.			124,910	(a) 0	0	0	0
						(b) 105,520	105,520	0	0
						(c) 0	0	7,770	0
						(d) 0	0	0	0
						(e) 105,520	105,520	7,770	0
5. Feasibility Studies & Detailed Eng'g. of Projects	Annual Program	See Annex F			125,000	(a) 0	0	0	0
						(b) 0	0	0	0
						(c) 0	0	10,000	0
						(d) 0	0	0	0
						(e) 0	0	10,000	0
6. Agricultural Development Project	Annual Program	See Annex H			10,000	(a) 3,000	3,000	2,200	0
						(b) 0	0	0	0
						(c) 0	0	0	0
						(d) 0	0	0	0
						(e) 3,000	3,000	2,200	0
7. Repair/Establishment of Groundwater/Pump Projects	Annual Program	0 (4,000)			120,000	(a) 0	0	0	0
						(b) 0	0	0	0
						(c) 0	0	0	0
						(d) 0	0	0	0
						(e) 0	0	0	0

PHYSICAL AND FINANCIAL STATUS OF RURAL INFRASTRUCTURE PROJECTS
AS OF MARCH 31, 1996

PROJECT	PHYSICAL STATUS				FINANCIAL STATUS (FY 1996)			
	IRRIGABLE AREA (ha)	GENERATED/REHABILITATED AREA (ha)	TOTAL ESTIMATED (In '000)	STATUS (1)	JAN. 1 - MAR. 31, 1996 RELEASES	CASH/ NON-CASH	EXPENDITURES	DATE
0. Payment of Right-of-Way Program			50,000		(a) 0	0	0	0
					(b) 0	0	0	0
					(c) 0	0	0	0
					(d) 0	0	0	0
					(e) 0	0	0	0
TOTAL FOR CONTINUING ACTIVITIES	0	0	0	1,834,910	(a) 8,000	8,000	2,460	0
	(07,000)	0	0		(b) 636,568	636,568	0	
	drainage 200 km.	0	0		(c) 0	0	111,821	
	roads 3,520 km.	0	0		(d) 0	0	0	
					(e) 644,568	644,568	114,821	
TOTAL FOR NATIONAL PROJECTS	68,408	2,960	352	3,148	P 15,457,860	4,601,620	1,110,405	1,110,405
	(633,578)	(90,030)	(593)	(2,219)	\$ 173,297		377,928	377,928
	(604,810) 1/	0	0	0	Y 805,000		0	0
	drainage 200 km.	0	0	0			0	238,270
	roads 3,520 km.	0	0	0	(P) 21,052,129		0	0
							(c) 1,938,333	1,938,333
							417,878	

Note

Row (a) Current year's cash allotment and support releases and expenditures.

Row (b) Current year's non-cash allotment and support releases and expenditures. Includes direct payment by lending institutions without ICIA.

Row (c) Previous years' cash allotment and support releases and expenditures.

Row (d) Previous years' non-cash allotment and support releases and expenditures. Includes direct payment by lending institutions without ICIA.

Row (e) Total (a) to (d).

1/ Includes funds from GATT Adjustment Support Package

2/ Includes actual disbursements from beginning balances and Corporate Fund advances.

*/ Sustenance of O&M = 604,810 ha; Urgent Repairs = 55,906 ha; Systems Improvement = 74,484 ha

PHYSICAL AND FINANCIAL STATUS OF FOREIGN-ASSISTED AGRICULTURAL IRRIGATION PROJECTS
AS OF MARCH 31, 1996

PROJECT	PHYSICAL STATUS				FINANCIAL STATUS (PL,000)			
	IRRIGABLE AREA (ha)	GENERATED/REHAB. AREA (ha)	TOTAL ESTABLISHED AREA (ha)	GENERAL PROJECT COST (CY 1996) (\$)	JAN. 1 - MAR. 31, 1996 CASH RELEASES	NON-CASH RELEASES	CASH EXPENDITURES	NON-CASH EXPENDITURES

A. ONGOING PROJECTS:

1. PIADP II	4,125 (1,316)	1,420 (770)	75 (160)	2,535 (716)	66.80 P \$ 101,646	104,580	(a) 65,914 (b) 17,684 (c) 0 (d) 0	65,914 17,684 0 0	0 0 28,661 0	367,253
						TP 590,207				(e) 83,598
2. CIDP II	14,131 (16,563)	2,900 (7,350)	50 (379)	3,994 (4,839)	44.42 P \$ 542,151	115,790	(a) 295,034 (b) 50,525 (c) 0 (d) 0	295,034 50,525 0 0	22,648 0 21,171 0	216,454
						TP 1,708,371				(e) 345,560
3. VCIPP	2,250 (7,700)	2,760 (1,680)	0 (374)	927 (2,776)	45.71 P \$ 118,350	112,000	(a) 89,600 (b) 0 (c) 0 (d) 0	89,600 0 0 0	0 0 18,397 0	254,454
						TP 575,530				(e) 89,600
TOTAL	21,556 (25,579)	5,080 (4,890)	125 (913)	7,456 (8,325)	P 764,149 \$ 177,316	652,700	(a) 453,543 (b) 68,210 (c) 0 (d) 0	453,543 68,210 0 0	22,648 0 68,231 0	1,119,714
						TP 2,874,758				(e) 521,758

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- Row (a) Current year's cash allotment and support releases and expenditures.
 - Row (b) Current year's non-cash allotment and support releases and expenditures. Includes direct payment by lending institutions without RCA.
 - Row (c) Previous years' cash allotment and support releases and expenditures.
 - Row (d) Previous years' non-cash allotment and support releases and expenditures. Includes direct payment by lending institutions without RCA.
 - Row (e) Total (a) to (d)
 - 1/ Includes funds from EATF Adjustant Support Resource
 - 2/ Includes actual disbursements from beginning balance and corporate advances

PHYSICAL AND FINANCIAL STATUS OF TRICE-AGENCY PROJECTS
AS OF MARCH 31, 1996

PROJECT	PHYSICAL STATUS				FINANCIAL STATUS (US,000)			
	IRRIGABLE AREA (ha)	GENERATED/REMAN. AREA (ha)	OVER-ALL PROJECT CY 1996	DATE	RELEASES	CASH/RE-CASH	EXPENDITURES	SUPPORT

I. CONJUGAL IRRIGATION PROJECTS/SYSTEMS :

A. DAW Funded Projects

1. CARP - IC	54,170	7,515	495	29,399	60.57	515,000	(a)	0	0	0
	(30,075)	(4,457)	(115)	(22,889)			(b)	0	0	0
							(c)	0	0	142,320
							(e)	0	0	142,320
T O T A L	54,170	7,515	495	29,399		515,000	(a)	0	0	0
	(30,075)	(4,457)	(115)	(22,889)			(b)	0	0	0
							(c)	0	0	142,320
							(e)	0	0	142,320

NOTE: Row (a) Current year's cash allotment and support releases and expenditures.
 Row (b) Current year's non-cash allotment and support releases and expenditures.
 Includes direct payment by lending institutions without RCMA.
 Row (c) Previous years' cash allotment and support releases and expenditures.
 Row (e) Total (a) to (d).
 1/ Includes actual disbursements from beginning balances and corporate advances.

PROJECT PREPARATION ACTIVITIES : JANUARY - MARCH 1996

ACTIVITIES	SERVICE AREA	STATUS (%)
I. Pre-Feasibility Studies		
1. Jalaar River Multipurpose Project II Alternative Scheme Iloilo	18,000	20
2. Iloilo RIS Bukidnon	2,000	98
3. Marber RIS Davao del Sur	1,045	95
4. Balatukan SRIP Davao del Sur	2,600	95
5. Mal. RIS Davao del Sur	4,225	75
6. Balingasag RIP Misamis Oriental	2,000	30
7. Claveria Misamis Oriental	1,000	10
8. Saug Multipurpose Project Davao del Norte	12,500	30
9. Malbug SRIP Masbate	1,300	60
II. Feasibility Studies		
1. Danaoang IP Ilocos Sur	9,000	95
2. Tumauini RIS Project Cagayan	8,475	30
3. Bayating SRIP Tarlac	1,045	95
4. Marabong RIP Leyte	1,500	10

PROJECT PREPARATION ACTIVITIES : JANUARY - MARCH 1996

ACTIVITIES	SERVICE AREA	STATUS (%)
5. Tangub SRIP Misamis Occidental	525	96
6. Malitubog-Libungan Transbasin North Cotabato	9,350	10
7. Abulug IS Improvement Project Cagayan	17,000	20
8. Western Legaspi Irrigation & Rural Development Project (JICA-Assisted) Albay	12,500	30
III. Updating of Feasibility Project/ Formulation		
1. Casocnan Multipurpose Project-1C Nueva Ecija	50,000	40
2. Catubig Valley Comprehensive Development Project Northern Samar	4,550	100
3. INIP Phase II Ilocos Norte	12,000	10
4. Sulvec SRIP Ilocos Norte	730	50
IV. Watershed Studies		
1. Casocnan Multipurpose Project-1C Nueva Ecija	Preparation of Watershed & Environ- mental Plan	ongoing
2. Ilocos Sur Transbasin Diversion Project	Watershed Resources Assessment	completed
3. Three (3) WRDP projects	Watershed Assessment	completed
4. Erosion Control Measures Components of IOSP II, CIDP II & VCIPP	Development of erosion control measures	completed



“WATER SUMMIT 1994 - 12” 合意プロジェクト

Reference A-2

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DELEGATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUPPLY
TOWARDS THE DEVELOPMENT ORDER NO. 244

PROGRAM/ACTIVITIES	RESPONSIBLE AGENCY		TIME FRAME				REMARKS
	AGENCY	AGENCY	1975	1976	1977	1978	
WATER RESOURCES							
GENERAL							
1. Integrate in the school curricula water resources development, utilization and management concerns.	DECS	XXXXXXXX					
2. To put in place the policies and mechanisms for ensuring optimum cost recovery, wherever possible, of water resources development and utilization	REGO						
3. Prepare implementing rules and regulations of REGO Resolution No. 4, S. 1974	REGO						REGO has submitted to DECS the concept paper. Detailed IFR to be submitted within the next 2 months.
WATER SUPPLY AND SEWERAGE							
1. Build the capabilities of the local Government Units to ensure the provision of adequate, safe and affordable water supply to their constituents.							
a. Updating of the National Water Supply, Sewerage and Sanitation Sector Master Plan (Phase II)	EWG	XXXXXXXXXXXXXXXXXXXX					funding still being sourced out. Phase I which involved regional consultations completed with funding support from UNICEF. Cost = \$ 1 M
b. Preparation of Provincial Water Supply, Sewerage and Sanitation Sector Plans for 38 provinces in Visayas and Mindanao	EWG	XXXXXXXXXXXXXXXXXXXXXXXXXXXX					funding still being sourced out. Cost = \$ 2.8 M
c. Preparation of Implementing Rules and Regulations for REGO Board Resolution No. 4, S. 1974 with respect to devolution/decentralization/LSU Capability building	EWG	XXXX					to be financed by EWG as a follow-up to concept paper prepared thru World Bank's funding support. Cost \$ 10,000
d. Conduct of LGU capability assessment	EWG	XXXXXXXX					based on provision of LGC and IFR. Cost = \$ 5M

GRADED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUPPLY
 COMPLY WITH MEMORANDUM ORDER NO. 244

PLANS/ACTIVITIES	RESPON-	TIME FRAME				REMARKS
	SIBLE	1995	1996	1997	1998	
	AGENCY					
e. Strengthening of the LGU organizational set-up	DLG	XXXXXXXXXXXXXXXXXXXX				Within the transition period
f. Implementation of Projects by LGUs /Operationalization of New Sector Felicitas, i.e.	DLG					Within transition period.
o World Bank-assisted LGU Water Supply Project						Proposed. Cost = 4,500,000
o JICA-funded Rural Community Water Supply (Region XII)						
g. Increase in NWS capitalization	NWS					Request to Congress for approval.
h. Anti-Fillrage Law	NWS					Passed on 3rd reading in House. Under Senate review.
i. Groundwater Conservation Act for Metro Manila	NWS					For proposal
j. Privatization of new water sources, facilities and distribution system (BOT)	NWS					For preparation of TOR
k. Rectification of Sewage Water	NWS					Can be decided by the NWSB as a Board.
l. Strengthening of LWA's lending functions						
a. Preparatory activities, systems integration and implementation of the ERB-approved Information Systems Strategic Plan	LWA	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				On-going.
b. Complete development and implementation of Loan Management System conducted by ADB TA	LWA	XXXXXXXXXX				
c. Collection Improvement	LWA	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				Close monitoring of LWA's collection ratio and client viability among water districts belonging to EU 3 of loan portfolio. Attainment of an increased collection ratio of 90% by 1998 from 64% in 1995.
d. Adoption of major revised financial policies and procedures.	LWA	XXXXXXXXXX				Provide only a 30-day instead of a 3-month grace period. Water districts should pay. The ADB projects, include the

INTEGRATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER COMMITTEE TO COMPLY WITH HENDERSON ORDER NO. 241

PLANS/ACTIVITIES	RESPON-	TIME FRAME				REMARKS
	STATE	1995	1996	1997	1998	
	AGENCY					
- Small reservoir irrigation project	WIA					assisted CIP packages to generate 6,291 ha and rehab. 6,737 ha. P220 M for locally-funded CIPs whose implementation were stalled due to development.
- Shallow Groundwater Irrigation Projects	WIA					P112 M for completion of 3 on-going ERIPs and start of 2 new SRIPs.
- CARP- IC	WIA					P71.443 M to rehabilitate 1,962 ha. P436 M from AEF to generate 3,541 ha and rehabilitate 2,343 ha. nationwide

ENVIRONMENTAL

1. Identification of all critical watersheds	ENR-DEMR	XXXXXXXX				
2. Establish water protection and sanitary zones	ENR-DEMR	XXXXXXXX				
3. Hasten the passage of the proposed Acts on Environment:						
a. Environmental Code (revisonal)						
b. Water Quality Act						
4. Conduct of Studies on Strategies and alternatives in water pollution control:	DEMR	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				On-going projects in IERP, SLEP, ECU-Envi
a. Effluent charges, user charges	DEMR					(depends on available funds from the general appropriation, grants, technical assistance, etc.
b. Waste Minimization/clean technology	DEMR	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				Under IERP, BEIP-SMECT, IEP; technical assistance given directly to industrial establishments; could be pursued by other interested parties
c. Other market-based mechanisms and pollution control strategies	DEMR					
d. Assessment of Opportunities for Introducing Incentives to Promote Water Pollution	DEMR	XXXXXX				Under BEIP-IEIC

ANNEX 1
 MASTER PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUMMIT
 GOVERNMENT OF THE PHILIPPINES

PLANS/ACTIVITIES	RESPONSIBLE AGENCY	TIME FRAME				REMARKS
		1995	1996	1997	1998	
Prevention and Abatement in the Philippines						
5. Completion of policy-support activities						
a. Water quality database	DEHR	XXXXXXXXXXXXXXXXXX				Depends on available resources.
b. Inventory/assessment of water pollution water pollution sources/loadings	DEHR	XXXXXXXXXXXXXXXXXX				
c. Mapping of industrial pollution sources	DEHR	XXXXXXXXXXXXXXXXXX				EHO in coordination with the DEHR Regional Offices
d. Baseline characterization of rivers	DEHR	XXXXXXXXXXXXXXXXXX				Project proposal for external funding.
e. Accreditation of external laboratories	DEHR	XXXXXXXXXXXXXXXXXX				
f. Review of water quality standards	DEHR	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	Depends on external support and EHO capability
g. Design of national monitoring network	DEHR		XXXXXXXXXX			Depends on external technical assistance.
h. Conduct of water quality monitoring	DEHR	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	Depends on the budget of DEHR Regional Offices.
i. Classification of Rivers and Lakes	DEHR	XXXXXXXXXXXXXXXXXX				Depends on the budget of DEHR and external assistance.
j. Ecoprofiling	DEHR	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
k. Programme on Marine Science	DEHR					Funded by ASEM-UNEP/GEF
l. Capacity Bt for Sustainable Development Initiatives in the Philippines	DEHR					UNEP-funded
6. Establishing research agenda and initiate research on water pollution control technologies and rationalization of water quality criteria.	DEHR	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	In coordination with EHO
7. Formulation of policies for the protection of groundwater quality and control of non-point sources :	DEHR	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	Depends on available resources and expertise.
a. Guidelines in the siting of sanitary landfills						

REPERATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUMMIT
 COUNTY WITH MEMORANDUM ORDER NO. 244

PLANS/ACTIVITIES	RESPONSIBLE	TIME FRAME				REMARKS
	SINGLE	1975	1976	1977	1978	
	AGENCY					
4. Risk and Vulnerability Assessment and Mapping (2 components)	DOST					:Proposed
5. Assessment and Development of Water Pollution Control Technologies (5 components)						:Proposed
6. Studies on Ground Water Resources (2 components)	DOST					:Proposed
IMPROVEMENTS IN IMPLEMENTATION AND ENFORCEMENT						
REGULATORY AND COORDINATION						
1. Strictly enforce the provisions of the Water Code and initiate amendments thereto, to require registration of all water well drilling and extractions and to provide for stiffer penalties for violations of the Code	DMRD					:Draft amendments being prepared by the DMRD staff.
2. Strengthening of the DMRB	DMRD/DOF:xxxxx					:Consultant's proposals under reevaluation.
3. Formulation of Master Plan on Water Resources Management	DMRD					:TOR endorsed by CEHL to HEU :Depends on availability of
4. Integrated Water Resources Geographic Information System	DMRD					:Depends on availability of
HEALTH AND SANITATION						
1. Intensity surveillance of the quality of drinking water and enforce existing rules and regulations on food hygiene and safety.	DOH					
a. Program planning on sanitation and coordinate with concerned agencies.	ESD/ENS:xxxxxxx					:Preparation of sanitation plans
1. To include water-related illnesses in disease surveillance sentinel areas	TEIP, HHS:xxxxxxx					
2. Implement "Water for Life" Projects	ESD/ENS:xxxxxxx					:Provision of water facilities in endemic areas.

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 17 WITH BENGALURU ORDER NO. 241

PLANS/ACTIVITIES	RESPON	TIME FRAME				REMARKS
	STOLE	1995	1996	1997	1998	
	AGENCY					
3. Development and printing/airing of IEC materials	ENS	XXXXXXX				TV, Radio, posters, etc. : IEC on water and sanitation
4. Conduct of hearing and publication	GMH	XXXXXXX				: Model ordinances
5. Conduct of orientation seminars among LGU						
6. Upgrade laboratories and training of tech.	ENS	XXXXXXX				: Functional laboratories
7. Program planning implementation of Urban Sanitation Projects	ENS	XXXXXXXX				: Urban sanitation Plans
8. Conduct research on Waste Water Treatment unit	ESD	XXXXXXXX				: Recommendation on : appropriateness of Waste : Water Treatment Unit
IRRIGATION						
1. Enhance provision of irrigation services	NIA					: To supplement NIA's regular : M & H activities.
- ISIP II and ISIP I						: \$542 M for identified activi- : ties in 1995 to expand serv- : area by 1821 ha, rehab. 7,634 : ha, and restore 18,096 ha. in : NISs.
- Repair/rehab of existing systems						: \$206,351 M to rehabilitate : 150,000 ha.
- Repair/rehab of Service and farm-to-market roads						: \$107 M to repair 10,000 kcs : of service roads.
- Repair/improvement of drainage and flood control protection						: \$100 M
a. Operation and maintenance of National Irrigation Systems (NIS)	NIA					: Regular activity; improve : in the level of service by : increasing budget for NIS. : Preliminary targets are

INTEGRATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUMMIT
TO COMPLY WITH MEMORANDUM ORDER NO. 244

PLANS/ACTIVITIES	RESPON-	TIME FRAME				REMARKS
	SIBLE	1995	1996	1997	1998	
	AGENCY					
						430,000 ha. irrig. during wet season and 370,000 ha. during dry season. 1995 GOA provides for P10.5 as O & M subsidy for HISS.
b. Implementation of Action Plan for Improving Collection Efficiency of Irrigation Service Fee (including rehab plan of HISS)	RIA					in line with presidential directive to undertake measures to ensure efficient O & M of HISS.
c. Coordination with other agencies in the improvement of irrigation services	RIA					In coordination with
- Watershed protection and erosion control						DENR
- Flood Forecasting						PAGASA
- Land use conversion						DA, DGA
- Other environment-related concerns						DEHR
- Water allocation among different water uses						NERC, WSS, LGU, ANGO
d. Review of Irrigation Service Fee Rates (Irrigation Pricing Policy)	RIA					The review shall consider the role of RIA as wholesaler of irrigation services.
e. Research on diversified crop irrigation engineering	RIA					JICA-funded UE-EP II 1995 GOA provides for P 78 counterpart funds for the project.
WATER SUPPLY						
1. Program for Reducing NKN thru :	WSS					On-going
a. Controlling unauthorized use of water						
b. Improving Metering Efficiency						
c. Reducing Leakage						
2. Program for Reducing Accounts Receivables	WSS					On-going
3. Balara Water Treatment Plant Rehabilitation Project (B41RFP)	WSS					Implementation to start early 1995
4. Sewerage Improvement Project	WSS					On-going
5. Telemetry System	WSS					Construction Stage

INTEGRATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUMMIT
TO COMPLY WITH MEMORANDUM ORDER NO. 244

PLANS/ACTIVITIES	RESPON-	TIME FRAME				REMARKS
	SION- S/OLE AGENCY	1995	1996	1997	1998	
6. Upgrading of Radio Communication System	HWSS					:On-going
7. HWSS Information System Plan (ISF)	HWSS	XXXXXXXX				:To be completed by late 1'
8. Expansion Program						
a. Unray-Angat Transbasin Project	HWSS					:Implementation stage
b. Rizal Province Water Supply Improvement Project (RWSIP)	HWSS					:On-going
c. Manila South Water Distribution Project (MSWDP)	HWSS					:On-going
d. Cavite Water Supply Project (CWSF)	HWSS					:On-going
e. Manila North-East Water Supply Project	HWSS					:Under study
9. Development and operationalization of Database System for Provincial Water Supply Sewerage and Sanitation Sector Planning	DILG	XXXXXXXX				:On-going. Funded thru Rep :Grant administered Danish :Consultancy Fund. :Cost = \$300,000
10. Pursue implementation of ICRD-assisted First Water Supply, Sewerage and Sanitation Sector Project (FWSSP)	DILG	XXXXXXXX				:On-going
11. Pursue implementation of the UNDP-FII Institution Building for Decentralized Implementation of Community-Managed Water and Sanitation.	DILG	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				:On-going
12. Conduct of Training Programs	DILG	XXXXXXXXXXXXXXXXXXXXXXXXXXXX				:Continuing. To start all :IPA preparation.
13. Pilot Testing of Approaches	DILG	XXXXXXXX				:To start within the tran- :sition period. Cost = \$1
14. Pursue implementation of prioritized projects on Rural Water Supply						
a. Rural Water Supply IV	DPWH	XXXXXXXX				:On-going, 16th Year BECF
b. ICRD-Assisted First Water Supply, Sewerage and Sanitation Sector Project	DPWH	XXXXXXXX				:On-going

INTEGRATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUMMIT
 IN FORMERLY SOUTHERN NEGROS PROVINCE AND
 IN FORMERLY SOUTHERN NEGROS PROVINCE AREA, PHILIPPINES

PLANS/ACTIVITIES	RESPON-	TIME FRAME				REMARKS
	SION					
	AGENCY	1995	1996	1997	1998	
c. Palawan Integrated Area Development Project	DPWH	XXXXXXXX				On-going
d. Third Island Provinces Rural Water Supply Projects	DPWH	XXXXXXXXXXXXXXXXXXXX				Proposed, ADB
e. Rural Water Supply II Projects	DPWH	XXXXXXXXXXXXXXXXXXXX				Proposed, ADB
f. Rural Environmental Sanitation Project Phase III	DPWH	XXXXXXXXXXXXXXXXXXXX				Proposed, Grant
g. Rural Water Supply for Autonomous Regions (CAR, IX & XII)	DPWH	XXXXXXXXXXXXXXXXXXXX				Proposed, Grant
15. Improvement of water quality monitoring capability.	LRQA	XXXX				Procurement/installation of equipment for fecal coliform testing.
E. FLOOD CONTROL AND DRAINAGE						
1. Pursue implementation of prioritized projects on flood control, drainage and shore protection:						
a. Metro Manila Flood Control Project II	DPWH	XXXXXXXXXXXXXXXXXXXX				On-going, 14th Year OECF
b. Small Water Impounding Management Projects	DPWH	XXXXXXXX				On-going, 14th Year OECF
c. Lower Agusan Flood Control Project	DPWH	XXXXXXXXXXXXXXXXXXXX				On-going, 14th Year OECF
d. Agno River Basin Flood Control	DPWH	XXXXXXXX				On-going, 14th Year OECF
e. Paopang Delta Development Project	DPWH	XXXXXXXXXXXXXXXXXXXX				On-going, 16th Year OECF
f. Sarayon Integrated Env. Project (EC comp.)	DPWH	XXXXXXXX				On-going, ADB
g. Retrieval of Flood Prone Areas in N.M.A.	DPWH	XXXXXXXXXXXXXXXXXXXX				Proposed/pipeline
h. Beeth Laguna Lakeshore Urgent Flood Control and Drainage Project	DPWH	XXXXXXXXXXXXXXXXXXXX				Proposed/pipeline
i. Bayon Volcano Saba Parks and Other Flood Control Components	DPWH	XXXXXXXXXXXXXXXXXXXX				Proposed/pipeline

INTEGRATED PLAN OF ACTION ON THE ASSESSMENTS OF THE WATER SUMMIT
TO COMPLY WITH MEMORANDUM ORDER NO. 244

PLANS/ACTIVITIES	RESPON-	TIME FRAME				REMARKS
	SIBLE	1995	1996	1997	1998	
	AGENCY					
j. Agno River Basin Flood Control	DPWH	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
k. Malabon-Navotas-Valenzuela Flood Control						
l. Bicol River Basin Flood Control II	DPWH	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
m. Upper Agusan Flood Control Projects	DPWH		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
n. Tazew River Flood Control Project	DPWH	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
o. Cagayan River Basin Water Resource Dev.	DPWH	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
p. Ilog-Milabangan Flood Control Project	DPWH		XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
q. Laeag River Basin	DPWH	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
r. Lower Cotabato River Basin FCP	DPWH			XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
s. Ilogloan River Basin Development Project	DPWH	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
t. Pasig-Marikina River System Improvement	DPWH			XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline
u. Locally Flooded Flood Control and Drainage / Shore Protection, Mini/Sabo dams	DPWH	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	Proposed/pipeline

F. HYDROPOWER

1. Pursue implementation of Hydro Power Projects included in the 1995 power development program:						
a. Malayaan 374 (309 MW)	NPC					for commissioning in 2004
b. Agbulo 1300 (MW)	NPC					for commissioning in 2002
c. Casacuan 692 (MW)	NPC					for commissioning in 2004
d. San Roque 335 (MW)	NPC					for commissioning in 2005
e. Tibabuan 677 (MW)	NPC					for commissioning in 2000
f. Villa Siga 452 (MW)	NPC					for commissioning in 2001
g. Ilogloan II 668 (MW)	NPC					for commissioning in 2002
h. Bulang-Bulang 1150 (MW)	NPC					for commissioning in 2003
i. Pulangi V 300 (MW)	NPC					for commissioning in 2004
j. Agus 3 1225 (MW)	NPC					for commissioning in 2005
2. Pursue implementation of small hydropower projects prioritized for DOI implementation	NPC					for commissioning in 2000
a. First priority 14 in Luzon, 2 in Visayas, 6 in Mindanao						

AGGREGATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER SUMMIT
TO COMPLY WITH MEMORANDUM ORDER NO. 244

PLANS/ACTIVITIES	RESPON-	TIME FRAME				REMARKS
	SIULE	1975	1976	1977	1978	
	AGENCY					
b. Second Priority (10 in Luzon, 5 in Visayas, 2 in Mindanao).						
c. Third Priority (1 in Visayas, 3 in Mindanao):						
3. Implementation of Mini-Hydro Power Development Projects for 1975						
a. Halling Mini-Hydro (1.5 MW), Lanao Del Sur	DOE/NICC:xxxxx					:Construction on-going :70% completed
b. Binuling Mini-Hydro (165 kW), Sapaal Island	DOE/ :DANECD		xxxxxxxxx			:Papers being processed :awaiting NEA's reply on :ROI Scheme
c. Bohunakan Mini-Hydro (6 MW), Bukidnon	DOE/ :CCL			xxxxxxxxx		:Canning Cockburn Ltd (CCL) :still to submit application :papers.
d. Langugan Mini-Hydro (6.8 MW), Palawan	DOE/NPC			xxxxxxxxx		:Disbided by NTC, Dec. 1, 81 :Waiting for results.
4. Proposed Projects						
a. Water Resources Inventory Study	DOE					:Proposed
b. Human Resource Development Program	DOE					:Proposed

ENVIRONMENTAL

1. Improving enforcement and implementation of EIA/EIS System						
a. Strengthening of DENR EIA capability	DENR	xxxxxxxxxxxxxxxx				:Assisted by AIDAN
b. Decentralization of EIS processing and ECC approval	DENR	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
c. Operationalization of programmatic compliance to EIA requirements.	DENR	xxxxxxxxxxxxxxxx				
d. Streamlining of EIA/EIS System Procedures	DENR	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx			
e. Development of computerized EIA System	DENR	xxxxxxxx				
2. Improving compliance to pollution control laws						

ANNEX 1
 ATTACHED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER COMMITTEE
 COMPLY WITH MEMORANDUM ORDER NO. 244

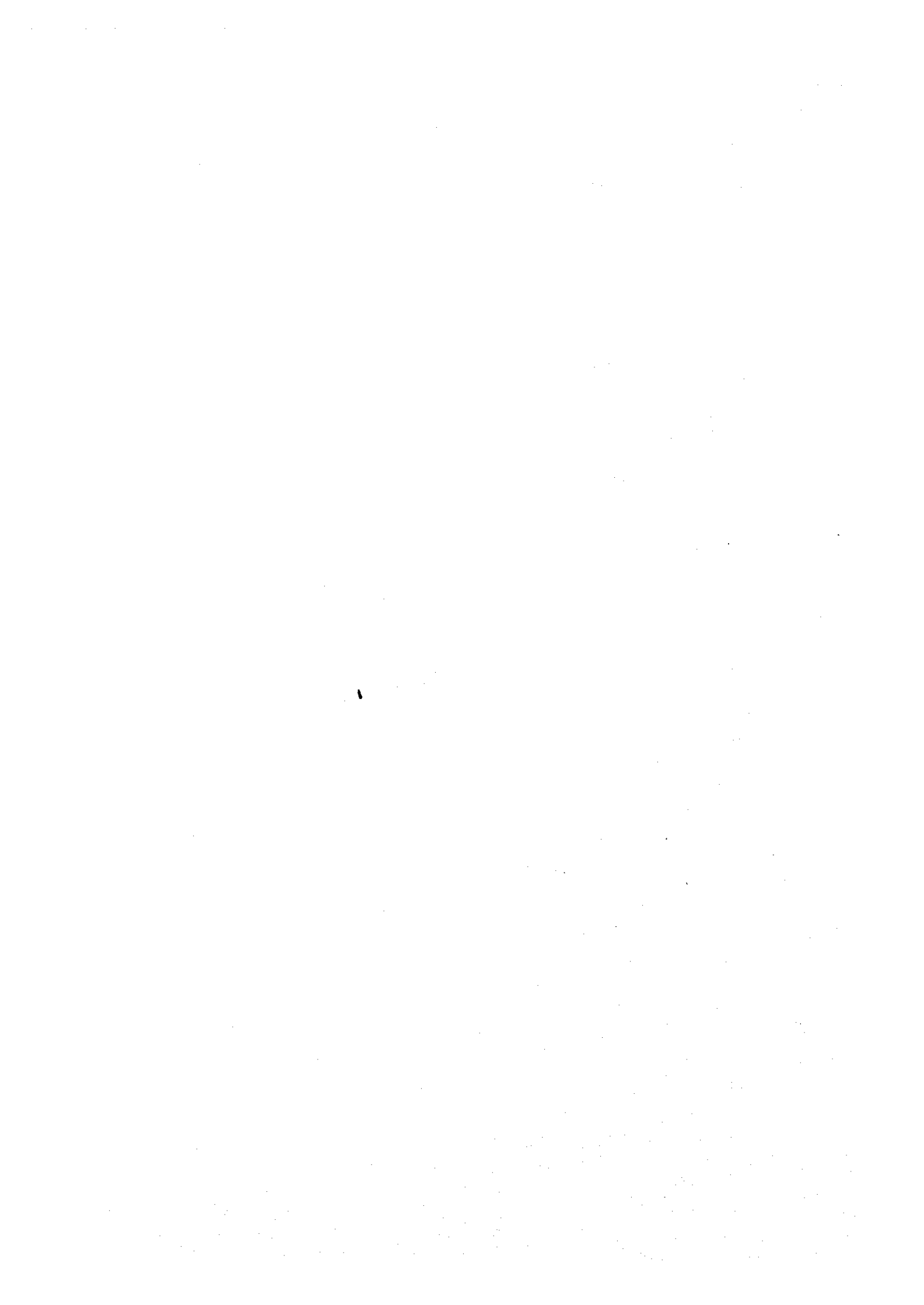
PLANS/ACTIVITIES	RESPON- SIBLE AGENCY	TIME FRAME				REMARKS
		1995	1996	1997	1998	
a. Strengthening support to the Pollution Adjudication Board	DENR	XXXXXXXX				:With manpower constraints : (e.g. vacancies for legal : positions not filled up due : to low salary, etc.)
b. Strengthening the capabilities of DENR AOs in industrial effluent monitoring and enforcement	DENR	XXXXXXXXXXXXXXXX				:includes manpower, equipment : and budget; depends on : budgetary allocation.
c. Conduct of trainings to enforcers (i.e. LGUs, NGOs, etc.) and wastewater treatment plant operators.	DENR	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	:DENR EO will provide techni- : cal assistance to LGUs; : depends on budgetary allocat- : ions.
d. Industrial Pollution Control Proj. - Cebu	DENR					:funded by Phil-Corona; : on-going
e. Information, education and communication campaigns (IEC)	DENR	XXXXXXXX	XXXXXXXX	XXXXXXXX	XXXXXXXX	
f. Design and establishment of common treatment facilities (CTF)	DENR					:Study and design on-going; : actual construction - proposed; : funded by MB
3. Improve enforcement of forestry laws	FNB-DENR	XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXX		
4. Rehabilitation of degraded ecosystems						
a. Pasig River Rehabilitation Project	DENR	XXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXX		:Funded by DANIDG; until : 1997 EO as lead agency only.
b. Navotas-Malabon-Tullahan-Tinajas River Revival Project	DENR	XXXXXXXXXXXXXXXX	XXXXXXXX	XXXXXXXX		:Depends on budgetary : allocation
c. Palawan Bay Rehabilitation Program	DENR	XXXXXXXXXXXXXXXX	XXXXXXXX	XXXXXXXX		:funded under EIC (Marcupper)
GENERAL						
1. Provide BRISB complete and updated statistical and related information on developments in their respective areas of responsibility in aid of the Board's policy decision making.	ALL AGENCIES					

ANNEX I PLAN OF ACTION IN THE AGREEMENTS OF THE WATER SUMMIT
IN CONFORMITY WITH MEMORANDUM NUMBER NO. 244

PLANS/ACTIVITIES	RESPON- SIBLE AGENCY	TIME FRAME				REMARKS
		1975	1976	1977	1978	
1. INSTITUTIONAL ARRANGEMENTS						
GENERAL						
1. Initiate/pursue the setting-up and strengthening of institutional mechanisms for closer coordination among water-related agencies.	WEDD					
2. Establish and strengthen mechanisms for policy/program consultation and collaboration between and among sectors, i.e. LGUs, NGOs, consumers and other private sector groups.	ALL AGENCIES					
IRRIGATION						
1. Establish and strengthen mechanisms for consultations/collaboration with irrigation users thru:	RIA					
a. Management Bureau Program in RISs						Expansion of MBM activities
b. Participatory Approach in Consumer Irrigation Projects (CIPs)						CIP collection to organized irrigators' associations in RISs.
c. Coordination with LGUs in the development and implementation of irrigation projects.						Involvement of organized farmers from planning, implementation and operation of CIPs.
d. Organization of IAs	RIA					15 IAs covering 1506 ha. with 1000 farmer-members
e. Strengthening of IAs	RIA					1009 IAs covering 275,000 ha. w/ 716,000 farmer-members
f. IA Registration	RIA					20 IAs covering 5,000 ha. w/ 2,000 farmer-members
g. IAO signing	RIA					299 IAs covering 240,000 ha. w/ 100,000 farmer-members
h. IA Trainings/conferences	RIA					450 trainings with 15,000 participants

INTEGRATED PLAN OF ACTION ON THE AGREEMENTS OF THE WATER COMMITTEE
TO COMPLY WITH MEMORANDUM ORDER NO. 244

PLANS/ACTIVITIES	RESPONSIBLE AGENCY	TIME FRAME				REMARKS
		1995	1996	1997	1998	
i. Staff trainings/workshops	RIA					100 trainings with 3,000 participants
WATER SUPPLY						
1. Coordination with DPWH, FLOI and LGU for Excavation Works	MWSS					On-going
2. Operationalization of transitory arrangements toward LGU Assumption of a Larger Role in the Sector	DILG	XXXXXXXXXXXXXXXXXXXX				Based on mechanics to be established and on MOU between LGU and National Agencies
3. Establishment of Financing Mechanism	DILG	XXXXXXXX				On-going
4. Installation of Monitoring and Evaluation System	DILG		XXXXXXXXXXXXXXXXXXXX			In coordination with MCCA, DWH (i.e. NASGMS)



JICA