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 Notes:
 *1 The figures show average water supply capacity at source development sites and water treatment plant

 *2
 550/290 : 90% discharge during run-of-river intake period (temporary design intake discharge) / once 10-year dry discharge (permanent design intake discharge)

 Pre-construction Activities
 Construction Work

EF-27

Figure E7.9 Implementation Schedule of Alternative Development Scenarios (1/2)

Sce- nario	Plan	Name of Scheme	Average Capacity *1	Const. Cost	01 02	2 01	3 04	0.510	06 07	08	09 1	0 11	12	13	14 15	5 16		(e a 1		0 21	22	23	24	25 2	6 27	7 28	29	30 3	1 32	2 33	34 35
	E-1	Kaliwa Low Dam w/Kaliwa-Angono 1st Waterway	(MLD) 550/290 *2	(US\$ Mil)	(1st W							- 11	14		13	10	1/	10	., 2	~ ~1	~~	<i>c_</i>	~ 7			20	~				
		Feasibility Study Basic Design and Tender Documents (Financing by MWSS) Land Acquisition and Compensation				Z				-+			<u> </u>				+	 		-		Note						ne E-1			
		Land Acquisition and Compensation Resettlemnt of People Financing for ODA Portion (Low Dam +Waterway Tunnel)											 				+	- -			<u>+</u>		(only t	he de	emano	d grov	nce it vth fo is coi	r 3 ye		d.
		Tender/Evaluation/Negotiation Main Construction Works											1st V	Water	way +	WTP	P#1			-								_	$\overline{\Box}$	Ħ	
	E-2-1	 Kaliwa Low Dam+1st Waterway+WTP #1 Unit (ODA+BOT) Kanan Low Dam w/Kanan-Kaliwa Trans Basin Tunnel Feasibility Study 	750 770/ 0 *2	334				 																							
		Feasibility Study Financing for Detailed Design Basic Design and Tender Documents								•			+ +			·						Note						2-1 co erall r		tutes am. Its	s
		Land Acquisition and Compensation Resettlemnt of People																										ole on			
		Financing for ODA Portion (Low Dam & Interbasin Tunnel) Tender/Evaluation/Negotiation																													
		Main Construction Works - Access Roads (along Kanan River) (ODA) - Kanan Low Dam+Interbasin Tunnel+WTP #2 Unit (ODA+BOI	750				-+	+- +-							W	TP #2	2					+ +					 			·+	·
	E-2-2	Kanan No.2 Dam w/Kaliwa-Angono 2nd Waterway Feasibility Study	3,770	1,297	(2nd V	Vatei	rway:	2560	MLD	aver	age)																			++	
		Financing for Detailed Design Detailed Design and Tender Documents					- 	- -					 																	. <u>+</u>	·
		Financing for ODA Portion (Kanan Dam & Waterway Tunnel) Land Acquisition and Compensation Resettlement of People					-+	+- +-		•			 			·						+ +					 			·+	·
		Tender/Evaluation/Negotiation Main Construction Works					+]																	<u>+</u> +	
		 Access Roads (along Kanan River) (ODA) Kanan Dam + 2nd Waterway + WTP #3 Unit (ODA+BOT) 	855																2r	nd Wa	terwa	ny + V		#3 NTP #	ŧ4						
	Total	- WTP #4 Unit (BOT) - WTP #5 Unit (BOT)	855 855 4,060	2,200				+- 		·+			+ +								 						WTP	#5			·+
		Laiban Dam w/Laiban-Taytay 1st Waterway Mobilization of Resettlement Team within MWSS	1,830	,	(1st W	ater	way:	1830	MLD	avera	ge)										 									+	
		Dialogue with Project Affected People by MWss Land Acquisition and Compensation					1														ļ	Note]	Earlie	st co	mplet	tion s		be pu	ursued	,
		Resettlement Site Infrastructure Resettlement of People Finalization of BOT Tender Documents						 -	_			Mo	onitor	nng		·	+	╞╍╸┥			<u> </u>			by sov	/ing t	the re	settle	menti	ssue	— [
		Tender/Evaluation/Negotiation (BOT) Design Review by BOT Contractors					- 	 -					<u></u>			·	+	 -			†	 	+			-+	╞╌╂		-+	++	·+ +
		Construction Works (All works by BOT as prently envisaged - Laiban Dam + 1st Waterway + WTP #1Unit	610			-				-				1	st Wat	terwa	wr WT		¥1												
	F-2	- WTP #2 Unit - WTP #3 Unit Agos Dam w/Kaliwa-Angono 1st Waterway	610 610 1,500	1,190	(1st 1)			1500									I	 		WT	Ρ#3	 	 				╞╌╢			<u>+</u>	····
	F-2	Agos Dam W/Kaliwa-Angono Ist waterway Financing for Detailed Design Detailed Design and Tender Documents	1,500	1,190	(ISL W	ater	way:	1500		avera	gej																				·
		Financing for ODA Portion (Agos Dam & Waterway Tunnel) Land Acquisition and Compensation																													
		Resettlement of People Tender/Evaluation/Negotiation																										_			
·····		Main Construction Works - Agos Dam (ODA) - 1st Waterway + WTP #1 Unit (ODA+BOT)	750					+- +-					+ +										1st W	aterw		VTP # TP #2	<i>‡</i> 1				·+
	Total	- WTP #2 Unit (BOT)	750 3,330	2,065																											
G		Kaliwa Low Dam w/Kaliwa-Angono 1st Waterway Feasibility Study Basis Design and Tander Desumants (Financing by MW/SS)	550/0 *2	627	(1st W	later	way:	1930	MLD	avera	ge)		 									Note		Zahan		1 1 1 1 1 1		aritia			
······		Basic Design and Tender Documents (Financing by MWSS) Land Acquisition and Compensation Resettlemnt of People					Ţ	{∔- 1 I		·+			+ +			·						Note	1	A rusł	ned p	rogra	um is j	critic propos ctiviti	sed	tn.	
		Financing for ODA Portion (Low Dam & Waterway Tunnel) Tender/Evaluation/Negotiation								Ŧ							 							-					<u> </u>		
	<u></u>	Main Construction Works (ODA+BOT) - Kaliwa Low Dam+1st Waterway+WTP #1 Unit Laiban Dam + WTP #2	965 1,930	460			- 					1st	Water	rway	+ WTI	P #1														. <u>+</u>	·
	G-2-1	Mobilization of Resettlement Team within MWSS Dialogue with Project Affected People by MWss	1,950	400			- <u>+</u>			•+••••			+ +									Note	: 1	Schen	ne G-	-2-1 i	s also	on th	e crit	tical	
		Land Acquisition and Compensation Resettlement Site Infrastructure									Moni	toring												oath.							
		Resettlement of People Finalization of BOT Tender Documents Tender/Evaluation/Negotiation (BOT)					- 						[]									+								. <u>+</u>	·
		Tender Evaluation/Negonation (BOT) Design Review by BOT Contractors Construction Works (All works by BOT as prently envisaged					+	+- +-		-			+ +		WTP #2	2					+	+ +								·++	
	G-2-2	- Laiban Dam + WTP #2 Unit Agos Dam w/Kaliwa-Angono 2nd Waterway	965 1,500	1,197	(2nd V	Vater	rway:	1500	MLD	aver	age)						 													<u>+</u>	
		Financing for Detailed Design Detailed Design and Tender Documents						 					↓↓ ↓																		
		Financing for ODA Portion (Agos Dam & Waterway Tunnel) Land Acquisition and Compensation Resettlement of People					+	+- +-		·+			 				t														
		Tender/Evaluation/Negotiation (ODA+BOT) Main Construction Works															-														
		 Agos Dam (ODA) 2nd Waterway + WTP #3 Unit (BOT) WTP #4 Unit (BOT) 	750 750					 													2nd	Wate		+WT NTP #							
Н	Total H-1	- w1F## Old(1801) Laiban Low Dam w/Laiban-Angono 1st Waterway	3,430 340/140 *2	2,284 562	(1st W	ater	wav:	15070	MLE) aver	age)																		+	++	
		Feasibility Study Basic Design and Tender Documents					a			<u> </u>												Note						ne H-1			
		Land Acquisition and Compensation Resettlemnt of People Tender/Evaluation/Negotiation (BOT)						<u> </u>		I.			 				+	 		-			(only t	he de	emano	d grov	nce it wth fo	r 1 ye	ears	
		Tender/Evaluation/Negotiation (BOT) Main Construction Works - Laiban Low Dam+1st Waterway+WTP #1 Unit (ODA+BOT)	750					 -					<u> </u>	1	st Wat	terwa	iy + V	VTP #	¥1		<u> </u>			eiore	sch	eme l	n-2-1	15 COI	nmis	ssioned	<u>1.</u>
	H-2-1	Kanan No.2 Dam + WTP #2 Feasibility Study	3,280	507				† -		<u>+</u>							.	-		-	<u> </u>								<u> </u>	<u>+</u> +	
		Financing for Detailed Design Detailed Design and Tender Documents															+]		-		Note						2-1 co			
		Financing for ODA Portion (Dam & Interbasin Tunnel) Land Acquisition and Compensation Resettlement of People					·+	 -				-	<u> </u>			·	+	╞╍╸┥			<u> </u>	 						erall p ole on		am. Its 2015.	
		Tender/Evaluation/Negotiation Main Construction Works					.	† -					<u> </u>				†	-			<u> </u>		+			<u>.</u>	╞┈╂		+	<u>+</u> †	
		 Access Roads (ODA) Kanan No.2 Dam+Kanan-Laiban Interbasin Tunnel (ODA) WITD 40 Units (DOD) 				-	<u> </u>						[]			WI	ГР #2	 													
		 WTP #2 Unit (BOT) Laiban-Angono 2nd Waterway + WTP #3 & 4 Basic Design and Tender Documents (Financing by MWSS) 	750	709	(2nd V	Vater	rway:	1920	MLD	aver	age)		 			.	+	- -			<u> </u>	 	+				╞╌╋		-+	++	
		Land Acquisition and Compensation Resettlemnt of People					.	† -					[- 					†	 	+				╞╍╊			<u>+</u> †	
		Financing for ODA Portion (Waterway Tunnel) Tender/Evaluation/Negotiation											 				E				ļ									<u> </u>	
		Main Construction Works - 2nd Waterway + WTP #3 Unit (ODA+BOT) - WTP #4 Unit (BOT)	960 960					 -		-+			+			·		- -			2nd	Wate	erway	r + W		5 TP #4	╞┈╊		+	++	·
	Total Notes:	*1 The figures show average water supply capacity at source de	3,420	1,778 sites and wat	er treat	tmen	t plar	nt		+			<u> </u>				<u>+</u>				<u> </u>						<u> </u>		<u>+-</u>	<u>+</u> +	<u></u>
		*2 550/290 : 90% discharge during run-of-river intake period							vear d	rv dis	charge	e (ner	mane	ent de	esign i	intak	e dis	charg	e												

*2 550/290 : 90% discharge during run-of-river intake period (temporary design intake discharge) / once 10-year dry discharge (permanent design intake discharge Pre-construction Activities Construction Work

Figure E7.9 Implementation Schedule of Alternative Development Scenarios (2/2)





