Figure - 12.1.1 Implementation Schedule of Strengthening Plans for Public Administration, Legislation and Financial Administration

(Unit: 10³ US\$)

			8th	National De	velopment P	lan		5-Year Nati	onal Develo	ppnjent Plan			5-Year Nati	ional Develo	pment Plan		
	A ran (Drainet	Executing Agency		1998/1999 -		·-·			2003 - 2006					2008 - 2011			Total Costs
	Area/Project	Exceeding Agency	1999	2000	2001/2002	2002	2003	2002/			2007	2008	2009	2010	2011	2012	,
			0.50	26.00	2001	2002	2003	2007	2000	2000	21.07	2000	2000	2010		2011	26.5
1	LEGISLATION DEVELOPMENT	MWR	0.50	20.00											······································		20.
	Water Law modification	MWR	1111111111														
	Changes to other water related legislation	MOENR	*****											····			
1.3	Environmental Management and Coordination Bill	MOERK	+								 						
	Long Term	MWR		1													
	Comprehensive Water Act	MWR/MOENR	- 					****			1						
	Single environmental and water law	MWR/MOENR						*******			· · · · · · · · · · · · · · · · · · ·	·					
1.0	Distablish single enforcement agency for water and environment	W K M GENK	 - 							······································							
	Implementation of the Law			-			i			<u> </u>					-		
	Agree strategy, procedure and training needs	MWR	1						 	l		-			<u> </u>		
	Prepare training programme, resources;	MWR		******0.50	-						1						0.5
2.2	identify target staff	(MOLA), (MOH)	 	0.50													
2.2	Train provincial and district staff	MWR, (WAB)	1	*****6.0	·												6.0
4.3	(6 provinces, 64 districts)	in the k, (wree)	 							i						-	
2.4	Prepare, conduct PR campaign regarding water	MWR, (MOLA).	1	*****20.0						 				<u> </u>			20.0
2.4	legislation in districts	(MOH)	1	20.0						t	†			l			
	IMPROVEMENT IN PUBLIC ADMINISTRATION		361.00	454.50	204.20	251.20	41.60			1							1312.5
3	MUR		337.30														1
2 1	Establish Sewerage Division	MWR	*****2.50							1		 		İ	[i		2.5
	Establish Water Resources Management and	MWR	*****1.30							<u> </u>	<u> </u>	l					1
	Regulation Department					-1					1				j i		
3.3	Hand over water supply schemes to upgraded LA's	MWR, (MOLA)	-		*******			*********	********	*******	• • • • • • • • • • •	*********	********	*********			
	Select community groups to receive water supply	MWR	****112.50	****112.50	********	• • • • • • • • • •		*********	********	*********		*********	********	*********			225.0
	schemes and hand over when ready										1	1					
3.5	Strengthen support for rural and community	MWR, (NGOs)		********													
	water supply schemes																
3.0	Set up independent central regulator for water	MWR, (MOLA)				*****47.00					<u> </u>						47.0
	undertakers and sewerage providers									<u> </u>	<u> </u>						
	Community Water Supply Schemes																ļ
3.	Assessment of development options for new extension	MWR, (MCSS). (NGOs)	*******					<u> </u>			<u>. </u>	<u> </u>		<u> </u>			Į
	schemes									1		1					1
	National survey of community schemes	MWR	******7.50							ļ	ļ <u>.</u>	<u> </u>	<u> </u>			 	7.
3.9	Water quality test for community water supply schemes	MWR	********	*********						ļ			<u> </u>				
	Local Authorities and MOLA								<u> </u>		<u> </u>						
3.10	Commercialise remaining 7 municipal water and	MOLA, (MWR)		****162.50	****162.50	****162.50				ļ		ļ					487.
	sewerage depts (6 under GTZ, 1 under HCA);	.							ļ	<u> </u>		<u> </u>		ļ. <i></i>			
	supervise pitot W&S companies				<u> </u>				 	ļ	ļ <u></u>	<u> </u>	<u> </u>	ļ	<u> </u>		
3.1	Upgrade additional 5 municipalities and appoint as	MOLA, (MWR)							 		<u> </u>	<u> </u>	<u> </u>	ļ <u>.</u>			
	water undertakers			ļ	ļ			<u> </u>	ļ		-			ļ			1/2
3.1	Commercialise 5 municipal W&S departments	MOLA, (MWR)		<u> </u>		****162.50	<u> </u>	 	 	 		 	<u> </u>				162.
	MICPC				ì	<u> </u>	<u> </u>	J	<u> </u>		<u> </u>	<u> </u>	<u> </u>				-
	Hand over water supply schemes to upgraded LA's	MWR	1	*********	1	1	T	1	1	1	1	T	1	1	·		-
3.1	Apply scheme allocation criteria: receive/hand over	MWR, (NWCPC)		T	i		 	 	 			 _	 		ļ		
	water supply schemes from/to MWR	Laur awan	4444400.00		_					- 			 	 			22
3.1	Organisational, operational, financial review	MWR, (NWCPC)	*****22.00	 	-	-	 	 	 -	+	 	 	 				22.
	Personnel Administration	1010 (OCC - C.)	*****22.00	 		 	 	 	 -		+	 	 	 	 		22
3.1	Establish pay policy for Civil Service	MWR, (Office of the	777722.00		 	 	 	 			 	 	 	 	 		
3.	7 Review Public Service Commissions	President), (MOF) [MWR]	*****13.70			 	 	 	1	 	+	 -	-	 	 		13
5.1		MWK	13.70	 	ļ	 	 	 	 		+	 	 	 	+		
	4 Improvement in Financial Administration	MOE MOD ANID	******		 	 	 	 	 	+ -	+	 	-	 	 		17
	Budgeting and funds allocation	MOF, (MOP), (MWR)	777717.00			 	 	 	 	+		 	-}	 	 		17
4.	2 Tariff structure and rates for water and sewerage, in	MWR, (NWCPC)		117.00			 	 		.	- 	 	 	 	+		-
	MWR, NWCPC and MOLA	1000 (1001.1)	1144271		1111111111	1044444		<u> </u>	1		<u> </u>	.,,,,,,,,,,,		1	 -		1
	3 Improve investment method	MWR, (MOLA)		******			7	T				1	1	T	 		+
	# 1 8.583 # # = 45	14.431/15															•
4.	4 Improve billing and collection 5 Technical Assistance for Legislation and Public	MWR MWR, (MOLA)	****162.5			*****41.70	444444			 	 	 	 	-	-		450

Figure - 12.2.1 Implementation Schedule of Improvement Plans of Operation and Maintenance Systems for Water Supply and Sewerage

			8th	National De	velopment l	Plan		5-Year Nati	onal Develo	pment Plan			5-Year Nat	onal Develo	pment Plan		
	Area/Project	Executing Agency	(1998/1999	- 2001/2002	2)		(2002/2	2003 - 2006	/2007)				2008 - 2011			Total Costs
		1	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
1	WATER SUPPLY ORM IMPROVEMENT																1838
1.1	Establish functional metering system	MWR, (MOLA), (NWCPC)	*********	********	*********	********		*********	*****								
	Establish necessary training courses		******											,			KEW1
	Train staff (meter readers, accountants, meter technicians)		*********	*****											1		KEWI
	* Set up, refurbish meter repair shops	_		*******	******									-1			project O&M cost
	* Repair, acquire meters				******												,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	* Prepare, conduct public awareness campaign			********		*******		*********	*****								undertaker, DWO
1.2	Leakage control	MWR, (MOLA),(NWCPC)	*******	*********		**********	*******			******	*********	********	* * * * * * * * * * * * *	*****			
	* Establish new training courses																KEWI
	Train staff (leakage control technicians)			******				******	******								KEWI
	Acquire, install master and service meters																
	Set up or refurtish detection equipment																† — —
	Prepare leak detection programmes																1
	* Implement programmes				*******	******	*********	*****	*********	*********	*******	*********		*********	********	*****	DWO, LA
ŧ.3	Customer registration	MWR, (MOLA), (NWCPC)			******	********		*****	•								DWO, LA
1.4	Other O&M staff training (including: billing and	MWR, (MOLA),	********	*****	********		******	*********	********		*********	*********	********	********	********	*****	KEWI
	collection, supervision, personal computing)	(NWCPC)		İ													1
1.5	Procurement of water tankers (2 vehicles per province)	MWR	1	****640.00	****640.00												1280
	Technical Assistance at Districts for implementing	MWR, (MOLA).		****186.00	****185.00	186.00	[6 man year	s over 3 years									556
	the improvement programme	(NWCPC)															1
2	SEWERAGE OAM IMPROVEMENT		†												-		377
2.1	Increase operating revenue in each scheme	MOLA, (MWR)	*******	******	*******				*********	1::::::::::			*******	*****			317
	• Implement items 1.1 to 1.4			<u> </u>	1	1	Γ									·	1
2.2	Upgrade staff levels and skitts upgrade in each scheme	MOLA, (MWR)	*******	*******	*********	*******			********			********	********	*****		···	1
	Define organisations, staff levels, skills needed		*******	[<u> </u>	1											
	Audit of personnel in post			******													
	Identification of vacanicies, training needs, non-				4*****												
	performing surplus staff					<u> </u>								_			
	Implement above programmes				:			******	********	++>+>	******	********		*******	t <u>, </u>		1
2.3	Procure facilities, equipment and tools	MOLA, (MWR)		******					********		********	*******		*******	Γ		
	• Establish minimum overall needs			******	1	(·				<u> </u>				<u> </u>			_
	Determine minimum net needs		 										 -				
	Acquire agreed numbers				******	, , 			******	******		********	********				
2.4	Technical Assistance at each facility to implement	MOLA, (MWR)	****186.00	1141186.00	****186.00	****186.00	8 man years	over 4 years]			· · · · · · · · · · · · · · · · · · ·		l		· · · · · · ·		37
	items 2.2 & 2.3		1	100.00	100.00		O mun jeuns	1						<u> </u>			- "
2.5	5 Establish preventive maintenance programme and	MOLA, (MWR)	†	********	. <u></u>			·		<u> </u>		-					
	standard operating procedures	7	·			{	Г			 				 -			<u> </u>
	Prepare detailed sewer inventory		 	********					-					 	 		+
	Prepare maintenance schedule		 	 				l		 				 	 		1
	Develop work order systems	- 	 			1	 	ļ		 	<u> </u>		·	<u> </u>			
	Prepare standard operating procedures		1	 		 	*********	1			 	 		 			+
1		MOLA (MWP)			<u> </u>					 		 -	 	 	 		
2.4	Implement industrial wastewater pre-treatment programme	MOLA, (MWR)	+	 			1	<u> </u>		 	 	}	 	 		·	
	Prepare inventory of dischargers		 	-	1	T'	1			 	 		 	 	ļ		+
	*Oblain equipment	 -	+	 -	 	********	1	<u> </u>		-		 		 	 	<u> </u>	
	* Monitor industrial effluents		1	 	1	 	********			<u></u>	L	ļ	<u> </u>	<u> </u>		{	
2,	7 Technical Assistance at each facility to implement items 2.5 & 2.6	·	186.00	186.00	****186.00	186.00	186.00	186.00	(12 man yea	rs over 6 years	<u>}</u>	 		 		 	

Source: JICA Study Team



Figure - 12.4.1(1/10) Implementation Schedule of Urban Water Supply Development Plan

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Figure - 12.4.1(2/10) Implementation Schedule of Urban Water Supply Development Plan

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Figure - 12.4.1(3/10) Implementation Schedule of Urban Water Supply Development Plan

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Figure - 12.4.1(4/10) Implementation Schedule of Urban Water Supply Development Plan

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Figure - 12.4.1(7/10) Implementation Schedule of Urban Water Supply Development Plan

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Figure • 12.4.1(8/10) Implementation Schedule of Urban Water Supply Development Plan

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Figure - 12.4.1(10/10) Implementation Schedule of Urban Water Supply Development Plan

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			i ,			1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	201
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	930	Kakamega	U - 209	Butese	On going			1	1			l —	1					T
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ı	-	ļ			Planned / Design Projects	1	t	1	†		┢╌	t	†	1	† ·	t	†	1
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ĺ	940	Vibiga	U - 213	Maseno Luanda	Ou-going	†			1		t		1	1	1	Ħ		T
					Planned / Design Projects	T	T	1	†	1	Ť	†	†	1	1	1	·	T
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	-	·		1	Rehabilitation	1-	777	in in the second	mi		<u>a</u>	1	†	†	-j	1	1	T
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		 		1	Rehabilitation	1-	277	nn	ma		a T	1	1	-[†	T	1	T
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Figure - 12.5.1(1/4) Implementation Schedule of Large Scale Rural Water Supply Development Plan

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10	Kiambu	On-going									ļ	ļ		 	
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Ì		Newly proposed								<u></u>				ļ	
220	Kirinyaga	On-going			T	I	1]	L			l			
	, ,	Planned/Designed										<u></u>	1	ļ	İ
		Rehabilitation	[<u> </u>	THE STATE		77777	77:77
		Newly proposed				1		T						<u> </u>	<u> </u>
230	Murang'a	On-going		<u> </u>			T				}			L	<u> </u>
		Planned/Designed			† — ·	1			[<u> </u>	1	T			
		Rehabilitation		t	f				1			Mill	1111	4////	17.71
		Newly proposed		†	ļ	ļ	<u> 1 </u>		† -						
240	Nyandarua	On-going			 		<u> </u>	 				1			
	,	Planned/Designed	[-		1	1	†-~ —					1		
		Rehabilitation	 			†			1			7777	2000	77777	2000
		Newly proposed	╁──	┧┈─	 	 	†·			ļ — —	 	 		<u> </u>	1
250	Nyeri	On-going	 		 		+	 	1	1	<u> </u>				1
2.10	i i jen	Planned/Designed]		-				†	ļ		
		Rehabilitation	<u> </u>	 -	+	1]	 	 	†	1	ZZZZ		111111	400
		Newly proposed	 	 	 	 	· -	†	†	· -		1	1	1	1
310	Kilifi	On-going	┾══		+==			╅~~~	╅╌═	†		1		1	
310	Killer	Planned/Designed							 	·		 	 		
		Rehabilitation	1	 	-		1777	111111		min	<u> </u>	-j	1	-}	-f
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220	171.	Newly proposed	 	╁		 	┪┈┈	+	+	+	1	+		-	
320	Kwale	On-going	├		+	+	+			+-	 			+	†
		Planoed/Designed Rehabilitation	 	┪	+		7777	min	111111	111111	<u></u>	+-	+	- 	†
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220	,	Newly proposed	 	┸		-l		┪	+	+	 	1	-		
330	Lamu	On-going		7	\top			-	 		+		+		
		Planned/Designed	-		1	-	+		┨	000	11111		11111	zi	-
		Rehabilitation		⊹	 	┪┈	+	+	· -	- [1		-		1
	Mombasa	Newly proposed	 	-				+	+	+				1	+
340	Mombasa	On-going	-) (1)	 -	+	1				-	
		Planned/Designed	-	+	1		1	7—	7777		7777			ma	m
		Rebabilitation	-			-							<u> </u>		
		Newly proposed			<u> </u>		4.	+	_			7-	7-	\top	
350	Taita	On-going	+	Ŧ		\top			 	+			 		
		Planned/Designed	╂	+						 	+-	7777	dana	ann.	
		Rehabilitation		+				╁-	-	1				+	-
		Newly proposed	+-					+		\dashv	+-		+	 	
360	Tana River	On-going		T				╡		-			 		
	:	Planned/Designed	-				7777	7777		mm	<u></u>		-		
		Rehabilitation					-								
	<u> </u>	Newly proposed	 			<u></u>	4	╅			+	- 		-	
410	Embu	On-going						=							
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		Rebabilitation				_		_	<u> </u>			(LLi			uni
		Newly proposed	\bot				<u></u>						 		
420	Isiolo	On-going				===]_			_				
		Planned/Designed								-					
		Rehabilitation					[ZZ			
		Newly proposed	_[1				Ī							

Figure - 12.5.1(2/4) Implementation Schedule of Large Scale Rural Water Supply Development Plan

Code	District		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
430	Kitei	On-going													
	ļ	Planned/Designed													<u> </u>
Į		Rehabilitation			-		mil			11/11					
		Newly proposed			ļ				1						
440	Masaku	On-going			L	<u> </u>									
		Planned/Designed			<u> </u>										
		Rehabilitation			t					Tilli.	111111	7777	7777		
		Newly proposed			l	1									
450	Marsabit	On-going			<u> </u>										
		Planoed/Designed			1	<u> </u>	~								
		Rehabilitation				 			<u> </u>	77777	1111111	mm	111111	<u> </u>	
		Newly proposed				 									
460	Meru	On-going			L	 	<u> </u>					 		<u> </u>	
700	Mild	Planned/Designed									t				├ <i>─</i>
		Rehabilitation			ļ	 		 	 			CHITTE .	ana	mille	an
		Newly proposed	l]	f	 			 -						h
470	Nyambene	On-going	 	<u></u>		<u> </u>	<u> </u>	 	 					 	t
470	lyamoene	Planned/Designed			T	F		 							
		Rehabilitation					ļ		 	 	-	0000	7777	1000	1000
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480	Tharaka Nithi	Newly proposed	-	<u> </u>	<u> </u>	<u> </u>	 	╁	 					-	 -
400	Indiaga Main	On-going				1	Ι	1	 		-	 		 	
		Planned/Designed		-			i i	1		<u> </u>	├	emin	ma	111111	11111
		Rehabilitation		ļ		 		├	 	<u> </u>	 				-
400		Newly proposed	 	<u> </u>	<u> </u>	1	<u> </u>	-		} 	<u> </u>	-	┼	•	┼──
490	Mwingi	On-going			<u> </u>	I	J.,,,,		╁	-	-	-	 	 	╁──
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		Newly proposed	<u> </u>		1	<u> </u>			1			 	 	1	+-
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		Planned/Designed	 		 	+	7777	111111		7777	ļ		 -	-	
		Rehabilitation	 	 	 	 	27777	1	77777	22/2/2	4			-	
		Newly proposed	<u> </u>	<u> </u>	<u> </u>	<u>. </u>	ļ	+		-	-	<u> </u>	-	<u> </u>	+
510	Garissa	Ou-going	-	 		F	7===	†	-		 	 		 	
		Planned/Designed	<u> </u>	}					-	77777]	1	1	ļ	-
		Rehabilitation	<u> </u>	<u> </u>						1777			1	4	+
		Newly proposed	 	ļ	╁	<u> </u>	┼	┼			 - -	┼	╂		+-
520	Mandera	On-going	ļ	<u> </u>	<u> </u>	1		_		1					
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	<u> </u>	Newly proposed	<u> </u>			Ţ-		-					 		↓ –
530	Wajir	On-going		I			J			-		4		ļ	
		Planued/Designed		1		1		т	<u> </u>	J			 		-
		Rehabilitation	<u> </u>	7/1/		11/1/1		1////	hma	4////	<u> </u>	1	1	<u> </u>	<u> </u>
		Newly proposed							-	÷		<u> </u>	 		
610	Gusii	On-going			4	7	7	1	J	-	1	-	<u> </u>	1	
		Planned/Designed	<u>.</u>	.	1				-					J	
		Rehabilitation	.	<u> </u>					_	7777				4	
		Newly proposed			1										
620	Kisumu	On-going		1]					$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		
		Planned/Designed	1000	<u> </u>		dan.	dana.	<u>্</u>							
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		Newly proposed	1	1	T		1	Ţ	1	1	1	1	1	1	T^{-}

Figure - 12.5.1(3/4) Implementation Schedule of Large Scale Rural Water Supply Development Plan

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30 5	Siaya	On-going					I		Ī						
Ì	ľ	Planued/Designed					l	l				ļ		ļ	<u>-</u>
		Rebabilitation	<u></u>				<u> </u>			7777	77.77.	ann a			
- 1		Newly proposed									<u> </u>	<u> </u>			
540 I	Homa Bay	On-going)					l	<u> </u>	
	,	Planned/Designed		ļ ——	1	1			Ī				İ	<u> </u>	
- 1	İ	Rehabilitation	 	·						77777	77777		7777	4	
	ţ	Newly proposed		† -	†···	<u> </u>	i		1	T		T	1		
650	Migori	On-going	 	-				<u> </u>							
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	Ì	Rehabilitation	-		+	·}	7777	111111	111111	111111	1		<u> </u>		
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		Newly proposed		 	 		 	╁──	 	┼		-	+	1	
660	Nyamira	On-going	}	 	- -	1	T	1	 	 -			 		
		Planned/Designed	ļ		┼─		 	-		77777	71177	111111	1000	<u> </u>	}
		Rehabilitation			_			-		1222			1		
		Newly proposed		<u> </u>	<u> </u>		<u> </u>		 	 	 		+		
710	Kajiado	On-going			-			┦	ļ. <u>-</u>	┼					
		Planned/Designed		<u> </u>		<u> </u>		-}	.		<u> </u>			<u>_</u>	-
		Rebabilitation	<u> </u>		ļ <u>.</u>					VIII		ana a	12:77:72	4	ļ
		Newly proposed	1			<u> </u>	<u> </u>		<u> </u>				 		
720	Kipsigis	On-going		· · · · ·		1	1	<u></u>		. I	_	<u> </u>		<u> </u>	
		Planned/Designed	T	1				<u> </u>		<u> </u>	l			ļ	ļ
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		Newly proposed										J			. .
730	Laikipia	On-going					1	1			<u> </u>		.1		ļ
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740	Nakuru	On-going	+=		. -			 			1				
140	1438014	Planued/Designed					1-	 	1	1	-	1			
	1	Rehabilitation	\dagger			1-		†			t	7777		inni	1000
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		Newly proposed	+==					+	+		-	 			+
750	Narok	On-going	-			Д			-					-	
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		Newly proposed	<u>- </u>			==	3=					-	1	+	+
760	Trans Nzoia	On-going	_					=	_						-∤
		Planned/Designed	니							_		7777	aaa	inin	100
	1	Rehabilitation				_	<u> </u>	<u> </u>	-					22/2/	7222
L		Newly proposed						-}-		-	\bot			_	
770	Uasin Gishu	On-going													
l		Planned/Designed	<u> </u>	_L_											
Ì	-	Rehabilitation		-						777		77777		<u>z</u>	_
	1	Newly proposed													
780	Bomet	On-going													
I	1	Planned/Designed	<u>;</u> † –										_	1_	l
ł	1	Rehabilitation	-1-	7777	min.	ma	9/11/1	min	ana	11:111	1/2			1	
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790) Transmara	Newly proposed On-going				<u>-1</u>	-1-								
790) Transmara	Newly proposed					71/11		111411						

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Figure - 12.5.1(4/4) Implementation Schedule of Large Scale Rural Water Supply Development Plan

Code	District		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
810	Baringo	On-going					<u> </u>								
		Planued/Designed			i										
		Rehabilitation		Ī					1		TiTTi I				
		Newly proposed			ļ										
820	Etgeyo	On-going			<u> </u>		,)							
	Marakwet	Planned/Designed													
		Rehabilitation			I	i				77777	111111	12111	(11111)		
		Newly proposed		İ	1					i		l			
830	Nandi	On-going				<u> </u>		1			<u> </u>				
		Planned/Designed			i	i									
		Rehabilitation		1	 	<u> </u>		····		77777	111111	77777	111111		
		Newly proposed						†	1	ļ	†—·-·	Ī			ļ
840	Sambure	On-going			!			1							
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		Rehabilitation		1	<u> </u>	·		† — · · · ·	1			11111	11111	11111	(1911)
		Newly proposed	1	1	†	† · · · · · ·		<u> </u>	1		f				
850	Turkana	On-going					<u> </u>	<u> </u>	1	1		<u> </u>			
		Planned/Designed		1	 -	1	1		1		<u> </u>				<u> </u>
		Rehabilitation	l	1		1	1	<u>† </u>	2000	m	min	viii	111111	m	m
		Newly proposed			<u> </u>		1								
860	West Poket	On-going		<u> </u>				1	†						
		Planned/Designed	l		1		†				<u> </u>		i -		†
		Rehabilitation			† -		† -	1	1	UUU	111111	Tillion 1	ma	1	1
		Newly proposed		 	 	 	-	ļ	1	1	†	†	†	-	-
910	Bungoma	On-going		===	+	±		<u> </u>	 	Î	1		 		ĺ
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		Newly proposed	ļ	T		- 								i.	1
920	Busia	On-going		<u> </u>		<u> </u>		1		<u> </u>		1		Ť	1
		Planned/Designed	1	T				T	T		ļ	1		T	
		Rehabilitation		<u> </u>		1		1	1	1	1	7777	Mill	11111	in in the second
		Newly proposed	1		1	1			1	T			 	1	-
930	Kakamega	On-going		l		.1		1				T			1
		Planned/Designed	 	1	1	1	1	1	1	1	†				1
		Rehabilitation	1		T^-	1	1	1	†	7777	Time.	um	am	4	†
	}	Newly proposed	I		-t	+-	+-	1	 	+-		+	†	1	+

Figure - 12.5.2(1/4) Implementation Schedule of Small Scale Rural Water Supply Development Plan

	District		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
10	Kiambu	On-going		(I		I								
	l	Planned Designed			(100 Miles		<u> </u>		ļ	<u> </u>				ļ	
		Rehabilitation		Ī	Ī		I	<u> </u>	ļ		<u> </u>	<u> </u>			
		Newly proposed		Ţ		L			<u> </u>	<u> </u>			V. 1 V.		
20	Kirinyaga	On-going			1			<u> </u>		L		ļ			
		Planned Designed		1				l		 	ļ				ļ
		Rehabilitation	1	1	1	1	Τ	ļ <u>.</u>	1		<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ. —
		Newly proposed		T	1			<u>i</u>		<u> </u>	<u> </u>		ļ. —	<u> </u>	<u> </u>
พ	Muranga	On-going			1					L		l	ļ		ļ <u>.</u>
	Tridiang.	Pianned Designed	******	<u> </u>	trick.		<u> </u>	1	l	<u> </u>	.l	<u> </u>	<u> </u>	<u> </u>	ļ
		Rehabilitation			i				I	Ì	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
	†	Newly proposed	1	1	1		-								F
10	Nyandarua	On-going		:L	- 							Ĭ	<u> </u>	<u> </u>	<u> </u>
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250	Nyeri	On-going			-1	Ŧ		1		1	1	1	1		
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	<u> </u>	Rehabilitation		┪	+			 		-	†			T -	
-	l	Newly proposed	-		<u> </u>			-	 	İ	†		Ī	T	Ī
310	Kari	On-going	-	e de la compa	1		******	1-	 		<u> </u>	1	T	1	T
		Planned Designed		-	- -			}			<u> </u>	T	-f	 	
		Rehabilitation		+	+	-							1	-	
	<u> </u>	Newly proposed	- 	<u> </u>			E	1	1				 	· · · · ·	"-
320	Kwale	On-going	2000		20000			:	 -	-†	+	 	 	1	T
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		Newly proposed							-		7			+	1
330	lamu	On-going			-					+				-	-
		Planned Designed							+			-	 	†	
		Rehabilitation	-							+	 -			<u> </u>	
		Newly proposed			_Ļ		i			-	-	+			
340	Mombasa	On-going				- -		=-		-			1		+-
		Planned Designed			-				-}			 		1	- †
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350) Taita	On-going	 			===		=	 						- -
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364) Tana River	On-going						-						 	- +
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41	0 Embu	On-going			_T) =			-	-					
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42	0 Isiolo	On-going		4			—T_						-		
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43	0 Kutui	On-going						3_		_ _			4		-
7.	- [Planned Designed	<u> </u>			_[_		_ [_					ļ		
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Figure - 12.5.2(2/4) Implementation Schedule of Small Scale Rural Water Supply Development Plan

	District		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
450	Marsobit	On-going				r:								Ĺ	
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		Rehabilitation	1						i					1	1
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466	Meru		 	l	L	I		<u> </u>	 						
400	Micin	On-going			 	F						 -		 	ļ
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		Rehabilitation												<u> </u>	<u>ا</u> ــــــــــــــــــــــــــــــــــــ
		Newly proposed			<u> </u>							<u> </u>		<u> </u>	ļ
470	Nyambene	On-going					1	<u> </u>		1			L	<u></u>	
		Planned Designed		1	I]									
		Rehabilitation	1											1	
		Newly proposed	· · · · · · · ·	i	1					ļ	i			1	†
450	Tharaka Nithi			<u> </u>	i .		ł]			 	1	┼
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		Newly proposed	<u> </u>			<u> </u>	<u> </u>	<u> </u>			<u> </u>				
490	Mwingi	On-going	<u> </u>	1	,	T	T	Į							
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		Newly proposed		1	<u> </u>						<u> </u>	L	<u></u>	<u> </u>	
510	Garissa	On-going						1	F	Ī	Ī		T	T	T
	Ì	Planned Designed	1	 	İ	Í	†		 			†	1	 	
		Rehabilitation	+-	 	 	 	†	 	†			 	 	 	+-
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533	 	Newly proposed	+	J	<u> </u>	 	<u> </u>	 	├ ─	 	├──	1-	 	 	+
520	Mandera	On-going	<u> </u>	Ŧ		Ŧ====	Į	1	 	<u> </u>	1—−	├ -	<u> </u>	ļ	
		Planned Designed	<u> </u>	<u> </u>	<u> </u>	ļ	1			1	ļ	ļ		ļ	<u> </u>
		Rehabilitation		<u></u>	l	<u> </u>	<u> </u>	L	<u> </u>		<u> </u>				1
		Newly proposed		1			ļ i		•	Ì			ļ		T
530	Wajir	On-going		1						1					\Box
		Planned Designed	1	1					 	1	í	1	1		
		Rehabilitation		†		}			 -	1		 		 -	+
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		Newly proposed	-	<u> </u>	<u>t </u>	<u> </u>	<u> </u>		-	1	<u> </u>	 	 -	 	
610	Gusii	On-going	-	J	I	J			<u>ļ</u>	 	<u> </u>	<u> </u>	-	 	↓
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		Rehabilitation	_l	L	<u>i</u>		<u>L</u>	l	1		L	İ			
	1	Newly proposed				i				ļ		ļ.			
620	Kisumu	On-going						1	1		1	1	1	1	1-
	j	Planned Designed			<u> </u>			1	1	1		1	 	1	1
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	 	Newly proposed	 	<u> </u>	<u> </u>	 	<u> </u>		 	 	 			-	=
630	Siaya	On-going	-		E		1		↓	.l	 -	ļ			
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		Newly proposed			1		1	1	1	1		T			1
640	Homa Bay	On-going						j				 	1	1	十一
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		Rehabilitation	-l	<u> </u>		+	+				1	<u>.l</u>		+	
		Newly proposed		<u>L.</u>	ļ	<u> </u>	<u> </u>	<u> </u>		-			<u> </u>		1
650	Migori	On-going		1			1	<u> </u>		<u> </u>	1	!			
		Planned Designed	0.0000	<u> </u>	1			3		1		1			
		Rehabilitation	1	1	Ī		1		1	†	1	1	1	1	1
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660	Numerica		+	ــــــــــــــــــــــــــــــــــــــ	1	-	-	-]	+	1	+	+
UGU	Nyamira	On-going		J	1	J	1		 	-{	·{	⊹ —	 	+	
		Planned Designed		1	T		1	1	ļ	—	_	 	-		4
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	I	Newly proposed	1	j	1	1								1	

Figure - 12.5.2(3/4) Implementation Schedule of Small Scale Rural Water Supply Development Plan

	District		1993	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
710	Kajiođo	On-going			I										ļ
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		Rehabilitation	1 —		[Ì	l	<u> </u>			ļ
		Newly proposed	1			1			I		Ĭ		l	L	
720	Kipsīgis	On-going			,		T				Ţ				<u> </u>
		Planned Designed	30.3000								1	1			[
		Rehabilitation	·		 	1	1		l	1					
		Newly proposed	-	I				1,11			•		1		
730	I aikipia	On-going		- -		 		-					1	 -	T
/50	li sikiba	Planned Designed	200000	2000000	1		1		}	†	i		†	1	T
				1	1					·	<u> </u>		 		1
		Rehabilitation			├ ── -	1	 	 			ļ		i	 	·†
		Newly proposed	 	<u> </u>	<u> </u>		 	 		1	T	 	}	 	╁
740	Nakuru	On-going		T		T:	F	!	 	·}	ļ		} <i></i>	·}	
		Planned, Designed			ļ			ļ	ļ	·	ļ		ļ		
		Rehabilitation	-	_		.}	ļ	<u> </u>			-}		ł		
	L	Newly proposed	↓	<u> </u>	<u> </u>			ļ	<u> </u>	.l		ļ	Ļ	 	
750	Narok	On-going			7	1	1	<u> </u>	ļ	 _	ļ	<u> </u>	ļ		
	}	Planned Designed	3,100,00		\$4000000 •		0.000.000	1_	.]		-}	·l	ļ <u>.</u>		
		Rehabilitation			<u> </u>			<u>L</u>	<u> </u>	<u> </u>		L		. L	.
		Newly proposed	1											1	<u> </u>
760	Trans Nzoia	On-going			, <u> </u>				Ì]	_			<u> </u>	
		Planned Designed	3000					1	1						.]
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770	Uasia Gishu	On-going	+ :		- k	_ <u></u>		<u> </u>		1	1				
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		Rehabilitation	 	+	-∤	 -	 -	1	1	1	+			1	T-
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		Newly proposed	+		1	 -				+-	+	 		†	
780	Bomet	On-going	200000	1	1			₫		-		_	1	+	-
		Planned Designed	******					" 	+	+-	-}	 		 	+
		Rehabilitation			_						-	- -	_	-	
		Newly proposed			<u> </u>	<u>.].</u>	<u></u>	╃—	↓ –	-		-		1	
790	Transmara	On-going		J	1:	1		 .	-∤						
		Planned Designed	<u> </u>		<u> </u>		*******	<u></u>							
		Rehabilitation					_	-	 -				_		_
	ł	Newly proposed				Ш.,				<u> </u>					<u> </u>
810	Baringo	On-going					1]	ļ .				. ļ		_
		Planned/Designed	975533	0.000	80.000 N		<u> </u>	질		<u> </u>				_1	
	1	Rehabilitation				1	1	1		1		_1	_		_
		Newly proposed				-		T	T			Л	1	-	
820	Elgeyo	On-going						7	ī	T	T^{-}	Τ			
	Marakwet	Planned/Designed	- XXX			1000		3			T	1	1		
	İ	Rehabititation	1						Ť			7			
		Newly proposed		 -		-	1								
636	Nandi			_1] —				1			
836	Nandi	On-going Planned/Designed	00.000		0. 10 av		*****	22			 -	_			
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		Rehabilitation				 -	 -		_						
	<u></u>	Newly proposed				<u> </u>		+		\top			- 1	-	
840	Samburu	On-going				=		=i			-1	+			
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		Rehabilitation		↓					_}			_		 	
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850	Turkana .	On-going		-					_Ļ_						-1-
		Planned/Designed								_			_]	_	_ _
	ł	Rehabilitation						Ī						_	
	1	Newly proposed	_				-		- T	1]	
864) West Pokot	On-going			! - -				1			\top			7
l [∞]	, included	Planned/Designed					1	-				-			_
	1	Rehabilitation				+	+-								
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Figure - 12.5.2(4/4) Implementation Schedule of Small Scale Rural Water Supply Development Plan

	District		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
910	Bungoma	On-going			L										
	İ	Planned Designed	000000	100000	8 (8 (9)	80.0000	0000000			1					
		Rehabilitation			T					I	<u> </u>				1
		Newly proposed	1		[
920	Busia	On-going													
	Į	Planned Designed	35,000	000000						[1	
		Rehabilitation	<u> </u>]		l		[
		Newly proposed					}			T				-	
930	Kakamega	On-going													
		Planned Designed	********		80000					1	[l		
		Rehabilitation			i — —			I		i					i –
		Newly proposed	T	I						خننا					1
940	Vihiga	On-going			r					[
		Planned Designed						<u> </u>		1					<u> </u>
		Rehabilitation					<u> </u>		Ī			<u> </u>]	1	-
		Newly proposed	7	ļ	1										ļ —

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Urban Name	800	Initial Cost (a) (USS)	Facility Planning	Cost (VSS)	1989	2000	2001	2002	2003	2004	2005	2006	2007 2008	2009	2010
				42,203,000						*******	(937)				
Nairobi Dundura	C-5	81,701,000	Treatment works Rehabilitation	21,000							-				-
			Sewer reticulation	33,535,000											
			Treatment works	9.897,000								-			
Nairobi Kariobangi	-i	46,839,000	Sewer reticulation	33,662,000								-			
		3	Treatment works	7,782,000		X		- I							
Nakura-town	V-159	20,571,000	Sewer reticulation	11,335,000		E								_	
			Treatment works	6,425,000			-8-		26						
Nakuru-Njoro	0.159	11,206,000	Sewer reticulation	3,966,000					- 1						
			Treatment works	48,225,000	48,225,000										
Mombasa Phase I	35-0 	28,353,000	Sewer reticulation	5,884,000		-								_	
Mombasa Phase II	D-52	12,872,000	12,872,000 Sewer reticulation	11,936,000						_					
			New or expand	3,162,000	***				-						
Kisumu Phase I	U-120	19,571,000	Treatment works	1,399,000											
			Sewer reticulation	13,587,000											
			Treatment works	5,022,000			. 22 .								
Kkumu Phase II	0.120	31,626,000	Sewer reticulation	24,304,000											
Eldoret Conventional	0-166	8,193,000	8,193,000 Sewer reticulation	7,597,000					on comments						
Eldoret Ponds	U-166	8,193,000	8,193,000 Sewer roticulation	7.597,000				. 22	ALTERNATION OF THE STREET						
	;	7	Treatment works	1,579,000				_	+						
Machakos l'hase i		00°00°	Sewer reticulation	561,000			- 1								
			Treatment works	000°£62'1		NZ.									
Machakos Phase II		2,303,000	Sewer reticulation	343,000					- 5 -						
		00 cm	Treatment works	12,172,000											_ -
Meru		000.180.82	Sewer reticulation	14,831,000			- #				+				
			New or expand	2,323,000				.#E				**			
Nyeri Conventional	0-36	7,828,000	7,828,000 Leanment Works Rehabilitation	17,000											
-			Sewer reticulation	4,919,000						-					

Figure - 12.7.1(2/4) Implemention Schedule of Sewerage Development Plan

			· · · · · · · · · · · · · · · · · · ·	יייני איני איני (ב'ש') איני ליייני איני איני איני איני איני אי													
Urban Name	Code	Initial Cost (a)	Facility	Facility Planning	Cost (USS)	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	5000	2010
				New or expand	3,346,000				_ \$	207.2000.0007777.744							
Nyeri Kiganjo	U-36	11,424,000	Treatment works	Rehabilitation	22,000			-		_ 🎚							
			Sewer reticulation		7,225,000											-	
			Rehabilitation of treatment works	satment works	943,000	Markey states to the											
Kitale conventional	7-16-	\$,127,000	Sewer reticulation		3,811,000						*				- 		
				New or expand	4,323,000							88					
Kitale Pond	U-164	8,838,000	Treatment works	Rehabilitation	65,000												
	~		Sewer reticulation		3,818,000									-	3		
				New or expand	3,683,000							*					
Kakamega Shirere	0.210	6,942,000	Treatment works	Rehabilitation	8,000						[1					
			Sewer reticulation		2,761,000									- -	-	•	
Kakamega Kiambi	01-210	2,967,000	2,967,000 Sewer reticulation		2,751,000							57	Section Section				
				New or expand	3,203,000												
Thika	853	000'626'9	Treatment works	Rehabilitation	\$2,000												
			Sewer reticulation		2,630,000						- #						
				New or expand	3,659,000		- W	***************************************						:			
Naivasha	U-158	10,048,000	Treatment works	Rehabilitation	205,000			_									
			Sewer reticulation		5,469,000												
			Treatment works		3,441,000				A STATE OF THE STA					- ~- }-			
Kericho	U-148	7,986,000	Sewer reticulation		3,978,000			-	-	-		*					
			Treatment works		2,675,000		– ã−	_									
Malindi	 54 04	7.981,000	Sewer reticulation		4,732,000		<u> </u>		- E -								
				New or expand	2,359,000				38.								
Webuve	U-205	000,000.6	Treatment works	Rehabilitation	109,000												
,			Sewer reticulation		3,464,000						_						
	-		Treatment works		1,183,000						-#						
Kisii	0-117	4,933,000	Sewer reticulation		3.391,000			-		_ .							

Plan
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Implemention
- 12.7.1(3/4)
Figure -

				(-)A)~	J												
Urban Name	Code	Initial Cost (a) (USS)		Facility Planning	Cost (USS)	1999	2000	2001	2002	2003	2007	2005	2006	2007	2008	5005	2010
			Treatment works		2,029,000				_8_				. J .			1	
Garissa		6,563,000	Sewer reticulation		4,059,000												
			Treatment works		2,278,000					_#			22.00	. 1			
Bungoma	6.199	2,892,000	Sewer reticulation		3,191,000					. =-			. #				
				New or expand	1,774,000				. <u>\$</u>								
Busia (South Teso)	0.208	5,275,000	freatment works	Rehabilitation	100,000						- 4			— 			
	-		Sewer reticulation		3,017,000							*					
			,	New or expand	829,000					- %				-			
Nanyuki	U-153	3,514,000	freatment works	Rehabilitation	180,000					- 2							
			Sewer reticulation		2,249,000						11						
				New or expand	1,049,000												
Embu	09-A	2,881,000	2,881,000	Rehabilitation	184,000												
			Sewer reticulation		1,443,000												
				New or expand	471,000] 					- Si				- 5		
Isrolo	U-63	2,421,000	Treatment works	Rehabilitation	45,000												
			Sewer reticulation		1,729,000												
			Treatment works		1,094,000				8								
Ongata Longai	C-148	3,111,000	Sewer reticulation		1,795,000												
			Treatment works		1,078,000		38										
Maragua	8 5	000,400,5	Sewer reticulation		1,768,000			-									
			Treatment works		1,044,000									-	-		
Narok	0.163	2,963,000	Sewer reticulation		1,708,000				🖷 -								
	_		•	New or expand	774,000	5500		William Marine									
Homabay	U-129	1,547,000	reatment works	Rehabilitation	67,000						_						
			Sewer reticulation		597,000)					-		
	=	000 887 6	Treatment works		952,000		*					+		-			
Zinx.	5	You toon to	Sewer reticulation		1,545,000						3				-		
	711	000 007 C	Treatment works		857,000		*		Name of the Party						-		
Wagir			Sewer reticulation		1,455,000			_			•						
					i												

Figure - 12.7.1(4/4) Implemention Schedule of Sewerage Development Plan

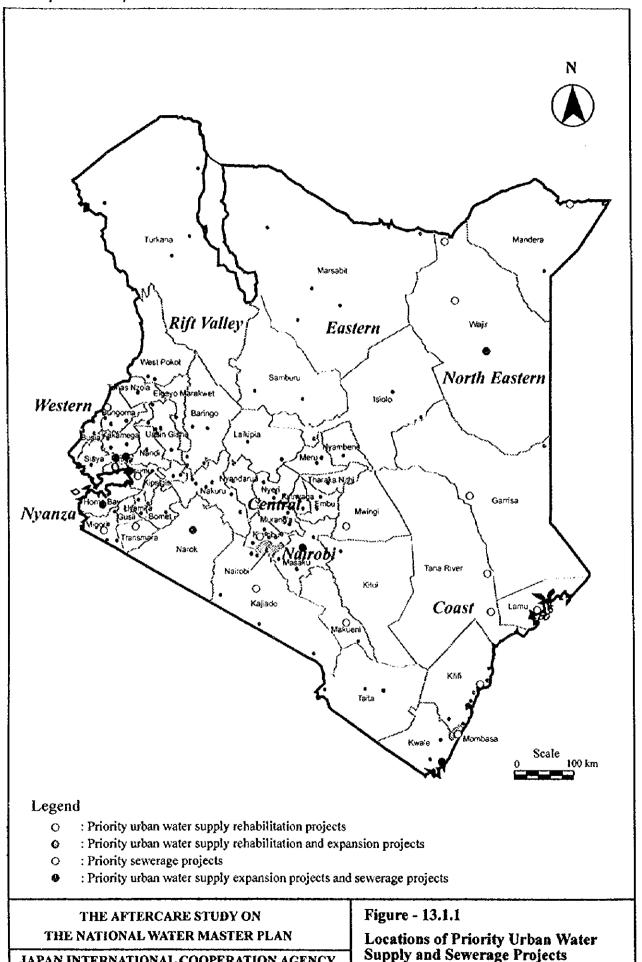
			Contract product)	r							
Urban Name	Code	Initial Cost (a) (USS)	Facility Planning	Cost (US\$)	1999	2000	1001	2002	2003	2004	2005	2006	2002	3002	2009	2010
			Treatment works	189,000						2	260	The second secon	No. of Particular Section 1997	. B .		
Muranga	5 5	000'144	Sewer reticulation	000'689												
	3	717	Rehabilitation of Treatment works	144,000							William Indian					
Nyahurutu	\$3. 0	000,886	Sewer reticulation	401,000								- 🗓				
		900	Treatment works	767,000						MILLION WASH	Commence of the Commence of th					
Nem	8.0	7,130,000	Sewer reticulation	1.261,000								. 🖪			}	
		100	Treatment works	686,000						-1			-			
Mandera	5	000*/0s***	Sewer reticulation	1,454,000					=-					•		
		7	Rehabilitation of Treatment works	583,000							**					
Athi River	\$ 5	000,080,000	Sewer reticulation	000'086									!		. 3	
Kapsabet	U-185	778.000	778,000 Sewer reticulation	721,000							<u>85</u>					
			Treatment works	582,000				-			8		-			
Ngong	0-144	1,552,000	Sewer reticulation	864,000												
] 		Treatment works	499,000							31				. 5	
io/	0-55 55-70	1,324,000	Sewer reticulation	730,000						_		·		8.		
	:		Treatment works	478,000						2						
Kabarnet	0-179	1.285.000	Sewer reticulation	716,000										- 8		
Kiambu	040	448,000	448,000 Sewer reticulation	415,000							35					
		7	Treatment works	553,000				_			_%_					
Karaina	3	DO(1990)	Sewer reticulation	863,000												
	<u> </u>	000	Treatment works	242,000							8					
Limuro	9	000,844	Sewer reticulation	130,000							1		-			
On-going project		31,000				1								}-		
Total		477,084,000											¹			
										Note ***	**************************************	Design		Ï	: Implementation	S

Figure - 12.6.1 Implementation Schedule of Livestock Water Supply Development Plan

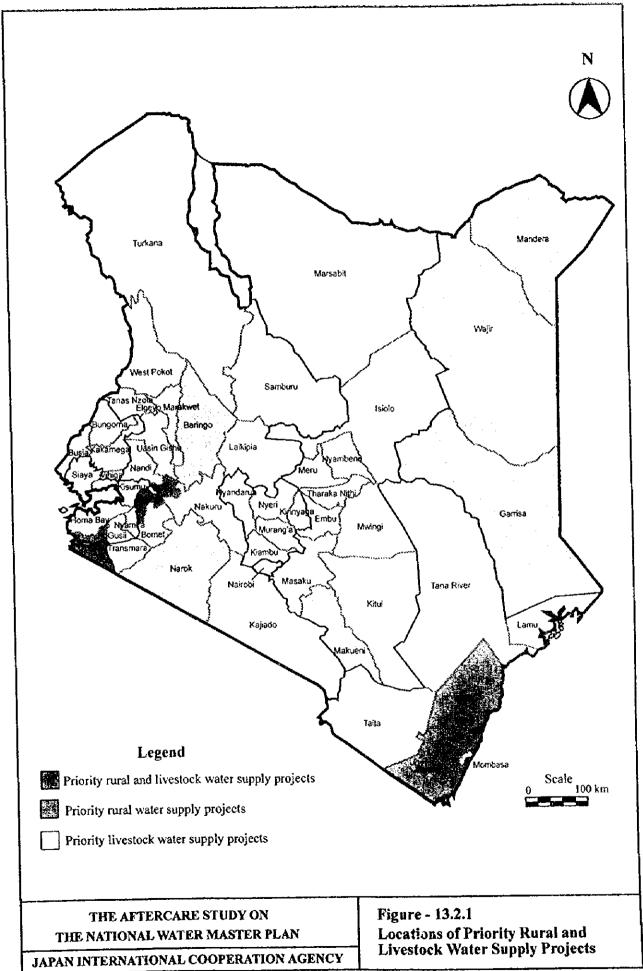
Province	Code	Dsitrict		Total Storage Capacity	Cost			In	ipl	e un c	nta	alio	n S	ched	ule	
Tomace		~~~~	Nos	(1,000m ³)	(1,000US\$)		20	00				20	005			201
	210	Kiambu	3	150	92	П	٦	T							-	
entral		Kirinyaga	3	150	92	1		1			_1				-	
!		Muranga	3	150	92		_						' 			, ,
		Nyandarua	4	200	122	177	_				_	!				
	1 — i	Nyeri	3	150	92											
		Kilifi	3	150	92	\Box		П								
oastal	320	Kwale		350	214											
	1	Lamu	2	100	61											
	340	Monbasa		50	31							Ī				
	1	Taita	2	100	61	-									록_	. _ .
	350	Tana River	14	700	427	-1:-1		1		E	r	1				
	360		5	250	153	17				Г	Г			T		
astern	410	Embu		100	61	11					t==	1				
	420	Isiele	14	700	427			[1==	1				_[_[
	430	Kitui	11	550	336		_		_	1	Γ	Γ	E	التشير التشير		
	440	Masaku		750	458		1		_		<u> </u>	1=:				
	450	Marsabit	6	300	183	-1	<u> </u>	-		T-	1		E	1		
	460	Meru	·- s	250	153	-			-	1	1			11		
	470	Nyambene	- 6	300	183	-	Ì	Τ-	ļ-	1			-			
	480	Thoraka Nithi	7	350	214	-	t	1	-	1	1	-	{=	1		
	490	Mwingi	79	3,950	2,410	-†-	t	E	<u> </u>							
	4A0	Makueni	98	4,900	2,989	+	1-	E	-					\Box		
North-Easter		Garissa	23	1,150	702	- [-	1-	E	<u> </u>	1				11		
	520	Mandera	39	1,950	1,190	-1-	†-	E	J		H		4_			
	530	Wajir	5	250	153	\top	1	十	T	1	十	T	E			4
Nyanza	610	Gusii	- 6	300	183	-1-	1	-	-	-1	1	1-	L.			
	620	Kisomo		300	183	- -	1-	-	1		- -					
	630	Siaya	4	200	122	_[-	1-	-	Ī	-	_	` -	Ë			
	640	Homa Bay	2	100	61	-	-	-	1	- -	-					
	650			200	122	- 1-	-	-	T	T						
	660		28	1,400	854	_	╁	+	T	t				4		
Rift Valleey			4	200	122		†	-	- -	- -	- -	- -	- <u>[</u> =			
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	730			1,650	1,007		-	- t-	1	-[
1	3	Nakuru	33	800	458	-1-	-1-	-1-	_ k =		_			1		
	750	_1·		100	61		- j -	- [-	1	1			<u> </u> -			
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		Elgeyo Marakwet	5	}	153	-	- -	-1-	-†	-1		1	_ (
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Western	91				92				-1		-†	\dashv				
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ı	94	O Vibiga		150	92		L		_1			1	r		1	

Legend: : Studies, surveys, detailed design, financial arrangements, etc.

: Construction



JAPAN INTERNATIONAL COOPERATION AGENCY



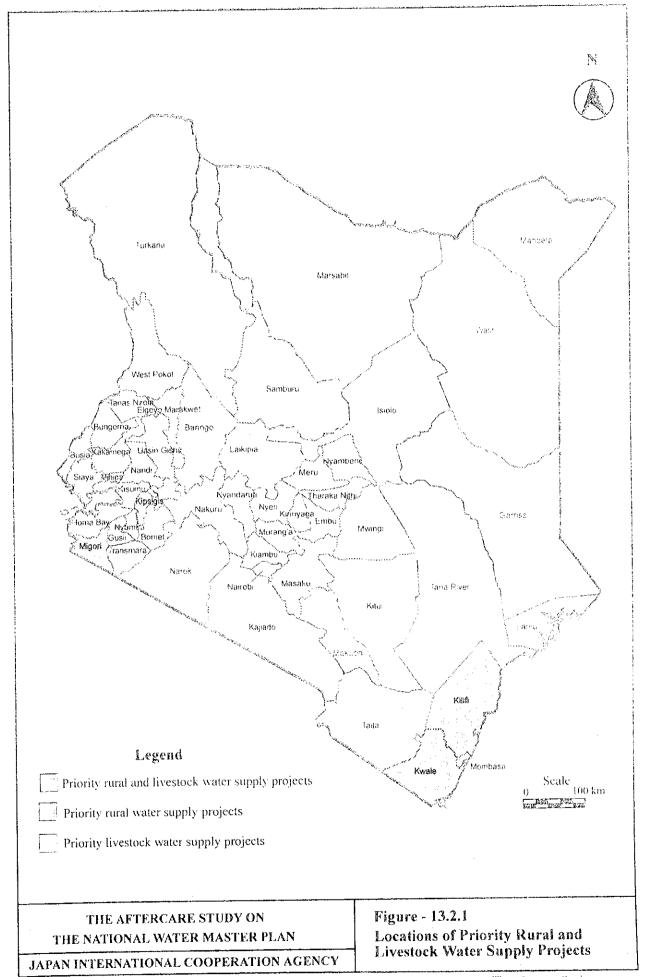


Figure - 14.2.1 Overall Implementation Schedule

	Area/Projects			J	lmp	len	ieni	atio	n S	che	du!	е		
			2	000				2	005				21	010
1.	Strengthening Plans for Public Administration, Legislation and Financial Administration													
1.1	Improvement in Public Administration		_	1		<u> </u>		<u>.</u>					a 1	•
1.2	Amendment to Legislation					1	1	1	1 L					
1.3	Improvement in Financial Administration				F	T	7	1			; 		.	
2.	Improvement Plans of Operation and Maintenance Systems			Γ				İ						
2.1	Water Supply O&M Improvement				Γ	Γ		Ī	Ī		1			
	1) Establish functional metering system				┝	1	i						•	
	2) Leakage control	1		ļ·	1	i —	1	1	†····					
	3) Customer registration		·	Ì		<u> </u>	+	+	<u> </u>				-	į · ·
	4) Other O&M staff training								# #	-	, = 1			
	5) Procurement of water tankers (2 vehicles per province)	1	<u> </u>		1-		†-					†		 -
	6) Technical Assistance at Districts for implementing the improvement programme					1	- - -		 		ļ		l	
2.2	Sewerage O&M Improvement		} · ··	†	1	十	İ			-	j			† "
	1) Increase revenue in each scheme (obtain funds due from water under taker)			<u> </u>	1	 -	-	- • •						
	2) Upgrade staff levels and skills in each scheme			1	+	- 	- <u> </u>	- 		•				# #
	3) Procure facilities, equipment and tools	-				- 1		, E					(1 3
	(4) Establish preventive maintenance program and standard operating procedures	1	į		Ļ	1	1	 -	-	-		†		İ
	5) Implement industrial wastewater pre-treatment program	1			Ļ		†						†	-
	6) Technical Assistance at each facility to implement improvement programme	-	<u> </u>	1	1	-	- -	-	.	<u> </u>	-	 	ļ	1-
3.	Urban Water Supply Development Plan	+		\dagger	1	+	Ť	\dagger	1	╁	 		 	+
	1) Rank A Group	T		+	F		+=	+		Γ		ļ		I
	2) Rank B Group		-		F	1-	<u> </u>			-	1			
	3) Rank C Group		-		1		Ť	=	<u>;-</u>	<u>† </u>	-	1	<u>†</u>	
4.	Rural Water Supply Development Plan	工				İ	i	1	İ	L		İ		土
4.1	Large Scale		ļ				1							
	I) Rank A Group	1	\vdash	,	+		!	1	•					
	2) Rank B Group			;	1	E	-				1		•	
	3) Rank C Group	.		-	-	1	}	=	+-	1		<u> </u>	,	1
4.2	Small Scale		i	İ			Ī	1	1			-	1	1
	1) Rank A Group	-1	1		-		→	+-	-† ■.	1	1-	Ť	1	Ī
,	2) Rank B Group		+ -	÷-	†		†-			1-	İ	Ţ-	†	1
Ì	3) Rank C Group		-† :		1		====		†	1-			+	<u> </u>
5.	Livestock Water Supply Development Plan	十	- -	!	十		;	+	+-	†	Ť	+	 	†
	1) Rank A Group	\top	E	<u> </u>	<u>+</u>	ļ		÷		†	T	T	T	†
	2) Rank B Group	1	· 	-	1	E	1-	‡		1	4	•	Ė	1
	3) Rank C Group		-		1	-	- 	\dagger		1	1			
6.	Sewerage Development Plan	十	Ť	1	\dagger	\dagger	+	+	+	t	+	+	\dagger	\uparrow
<u> </u>	1) High Rank Group	+	E	土	1	+	+	 	+	†-	+	+	╁	+
	2) Medium Rank Group		+	- -	+	L	1	1	- -	上		.	+-	+
l	3) Low Rank Group		1-	-		F	Ŧ	-	F	E	+	+-	-	╧

Legend:
: On-going actions
: Feasibility study, detailed design and financial arragement and pre-econstruction procedures
: Construction period for water supply development plan
: Pre-construction stage and construction period

