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JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)

MINISTRY OF WATER AND LIVESTOCK DEVELOPMENT
UNITED REPUBLIC OF TANZANIA

THE STUDY
ON
WATER SUPPLY AND SANITATION
IN
LINDI AND MTWARA REGIONS

FINAL REPORT
VOL.4 DATA BOOK



DECEMBER 2001

KOKUSAI KOGYO CO.,LTD.TOKYO,JAPAN



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1. Village List

(All villages in the 2 regions)

Nachingwea District, Lindi Region

Nambambo	Ndomoni	<i>Ndomoni</i>	1,280	1,359	<i>Ndomoni</i>			exist	none		fair
		<i>Ndomondo</i>	2,072	2,200	<i>Ndomondo</i>	BH	not operating	exist	57,000		fair
Nambambo	Mtua	Mtua *	1,789	1,899	Mtua	hand pump (BH)	1/2 operating not operating	exist	151,000	Traditional well	fair
		Nalengwe	778	826	Nalengwe	hand pump (BH)	not operating	exist	none		fair
		<i>Nandondo</i>									
		Kipara Mtus	1,334	1,416				exist	none		
Mpiruka	Mpiruka	2,411	2,560	Mpiruka	(BH)	not operating	exist	130,000		OK	
	Mkumba	1,520	1,614	Nachingwea			exist	160,000		OK	
Naipingo	Naipingo	5,864	6,226	Naipingo	(BH)	not operating	exist	81,000		OK	
	Mchangani	2,224	2,361	Nachingwea			exist	194,000		OK	
Nachingwea Total		116,437	123,619								

Population 2000 is projected assuming that the growth rate is same as in 1978 – 1988 (0.5%).

Villages for sampling survey are marked with an asterisk * and subvillages are written in *Italic*.

Mtwara Rural District, Mtwara Region

Division	Ward	Village	Population 1988	Estimated Population 2000	Public Water Scheme			Water committee	Water fund	Water source for domestic use as of 2000	Remarks (Strategies for the year 2000)
					name of scheme covered	water source	status				
Nanyamba	Nanyamba	Mnongodi	2,451	2,969	Nanyamba	2BH	1/2BH operating	exist	exist	Nayamba water supply system (BH)	
		<i>Kiwengule</i>			Nanyamba	2BH	operating	exist	exist		
		<i>Likwaya</i>			Nanyamba	2BH	operating	exist	exist		
		Mnyahi	807	977	Nanyamba	2BH	operating	exist	exist		
		Nanyamba *	6,898	8,355	Nanyamba	2BH	operating	exist	exist		
		<i>Mibobo</i>			Nanyamba	2BH	operating	exist	exist		
		Milangominne	1,737	2,104	Nanyamba	2BH	operating	exist	exist		
		Mnyawi Sokoni			Nanyamba	2BH	operating	exist	exist		
		<i>Mnyawi</i>	1,666	2,018	Nanyamba	2BH	operating	exist	exist		
		<i>Mnyawi Shuleni</i>			Nanyamba	2BH	operating	exist	exist		
		Namakuku			Nanyamba	2BH	operating	exist	exist		
		<i>Namayanda</i>			Nanyamba	2BH	operating	exist	exist		
		Dinyecha			Nanyamba	2BH	operating	exist	exist		
		Chikwaya	1,168	1,415	Nanyamba	2BH	operating	exist	exist		
		<i>Mitangani</i>			Nanyamba	2BH	operating	exist	exist		
		Mwang'anga	1,537	1,862						Nayamba water supply system (BH)	
		<i>Magomeni</i>									
		Mbembaleo	2,536	3,072	—	—	—				
		<i>Milamba</i>									
		Namtumbuka	2,644	3,203	Nanyamba	2BH	operating	exist	exist		
		Sokoni			Nanyamba	2BH	operating	exist	exist		
		<i>Kilima-hewa</i>			Nanyamba	2BH	operating	exist	exist		
		<i>Machehe</i>			Nanyamba	2BH	operating	exist	exist		
		<i>Namtumbuka</i>			Nanyamba	2BH	operating	exist	exist		
Nitekela	Nitekela	Nyundo	2,198	2,662	—	—	—	exist	exist	natural pond 2km in Nyundo open pits	construction of Characo Dam
		<i>Miyumba</i>			—	—	—	—	—		
		Migombana	664	804	—	—	—	exist	exist		
		Nitekela	1,839	2,228	—	SW	—	exist	exist		
		<i>Miule</i>			—	—	—				
		<i>Chiwila</i>			—	—	—				
		Kitama Bomdeni	739	895	—	SW	—	exist	exist		
Njengwa	Njengwa	Chiwindi	882	1,068	—	—	—	—	—	4km to Namambi Dam 4km to Namambi Dam	
		Niengwa	2,719	3,293	—	—	—	exist	none		
		<i>Majengo</i>			—	—	—				
		Hinjiu	1,696	2,054	—	SW	—	exist	none		
		<i>Mtuli Njengwa</i>			—	—	—				
		Nangawanga	720	872	—	SW	—	exist	none		
		<i>Malongo</i>			—	—	—				
Mtinkiko	Mtinkiko	Narnga	1,202	1,456	—	SW	—	exist	none	30km to Maranje RWH Wells RWH Wells	construction of Characo Dam construction of Characo Dam
		Maranje *	2,064	2,500	Maranje	(SW)	not operating	exist	none		
		Mtinkiko *	2,823	3,419	Mtinkiko	—	not operating	exist	none		
		<i>Malamba</i>			—	—	—	exist	exist		
		Mbamba Kofi	1,514	1,834	—	—	—	exist	exist		
		<i>Mnivata</i>			—	—	—				

Mtwa Rural District, Mtwa Region

Nanyamba	Mtiniko	Namisangi			—	SW		exist	exist		
		Mtombwiliimbwi	3,941	4,774	—			exist	exist	RWH Wells	
		<i>Mtopwa</i>			—			exist	exist	RWH Wells	
		<i>Pachani</i>									
		Misanje	1,579	1,913	—						
Ziwani	Ziwani	<i>Nanyedva</i>			—			exist	exist	RWH Wells	
		Ziwani *		Ziwani	BH	not operating		exist	none	seasonal open dam	rehabilitation of bore hole
		<i>Manbeleketela</i>	2,564	3,106							
		<i>Msakala</i>	1,583	1,917							
		Mnyembe	3,519	4,262	Minyembe	(SW)	not operating	exist	none		complete construction
		<i>Moma</i>			Minyembe	(SW)	not operating	exist	none		
		<i>Ding'wida</i>									
		<i>Mihuru</i>									
		Litembe	3,118	3,777	—	SW		exist	exist		construction of SW
		<i>Litembe Pachani</i>									
		<i>Mitambo</i>									
		Madimba	1,594	1,931	Namindondi		not operating	exist	exist	20km to Mchepa / Namindondi Ponds	construction of SW
		<i>Mchepa</i>									
Nalingu	Nalingu	Mtendachi	1,615	1,956	Namindondi		not operating	exist	none	0.5km to Namindondi	construction of SW
		<i>Namindondi</i>									
		Nalingu	1,789	2,167	Minyembe			—	—	30km to Naminandi natural pond	
		<i>Mnazi</i>									
		<i>Mnete</i>									
		Mmwene	1,530	1,853							
		Msimbati *	3,591	4,350	Namindondi	(SW)	not operating	exist	none	4 SW, 4 hand pump	
		<i>Ruvula</i>									
		Msangamkuu *	2,951	3,574	Msangamkuu	(seasonal SW)	not operating	exist	none	3 SW	
		<i>Nromo</i>									
		<i>Namela</i>									
		<i>Mapunje</i>									
		Sinde	1,798	2,178	Msangamkuu		not operating	—	—	open pits	
Nanguruwe	Nanguruwe	<i>Ng'wale Kilimbi</i>									
		<i>Mkubiru</i>									
		Mngoji	1,475	1,787	Namindondi	SW	not operating	exist	none		
		<i>Hyuvi</i>									
		Mirambo			Namindondi	SW				pit holes	
		<i>Nanguruwe *</i>	2,167	2,625	Nanguruwe	(SW)	not operating	exist	exist	pit hole near dry dam	
		<i>Namahykata</i>	2,164	2,621	Nanguruwe	(SW)	not operating	—	—		
		<i>Mbwawala *</i>	2,337	2,831	Mbwawala Chini	(SW)	not operating	exist	none		
		<i>Makonjele</i>	2,295	2,780	Mbwawala Chini	(SW)	not operating	—	—		
		<i>Nachenjele</i>									
Mayanga	Mayanga	<i>Chimbirdu</i>									
		<i>Makome A, B</i>									
		Mduwi	950	1,151	Mbwawala Chini	(SW)	not operating	exist	none		
		<i>Mailli-kumi</i>					not operating	—	—	pit holes	
		Msijute	1,845	2,235	Mbuo	(SW)	not operating	exist	exist		rehabilitation of the project
		Likonde	1,412	1,710	Mbuo		not operating	exist	exist	6km to Mbuo	extention to Msijute?
		<i>Likonde Godauni *</i>			Mbuo						

Mtwara Rural District, Mtwara Region

Mayanga	Mayanga	Mkunwa	1,428	1,730	Mbuo		not operating	exist	exist	8km to Mubo shallow wells (Pond)	construction of elevated tank
		Kawawa	2,355	2,853	Mbwala Chini		not operating	exist	none		construction of Characo dam
		<i>Mbwala Chini</i>									
		<i>Nanyati</i>									
		<i>Nyengedi</i>									
	Naumbu	Naumbu	2,113	2,559	Naumbu		not operating	exist	exist	(Pond)	rehabilitation of water pump
		<i>Kitope</i>									
		<i>Sangwange</i>									
		<i>Mwita Pwani</i>									
		<i>Pemba Pwani</i>									
		<i>Mkungu</i>									
		Kabisela	582	705							
		Imekuwa	2,125	2,574	Mbuo		not operating	exist	exist	SW	construction of SW
		<i>Kisiwambe</i>									
		<i>Mawilo</i>									
		<i>Nachiembe</i>									
		Mgao	1,109	1,343	Mbuo		not operating	exist	exist	10km to Sudi in Liodi	
		Mamogolli	1,966	2,381	Mbuo		not operating	exist	exist	5km to Mbuo SW	
		<i>Lisaho</i>									
		<i>Kisiwa</i>									
	Kitaya	Kitaya *	4,412	5,344	Kitaya	Lake	not operating	exist	none	Ruvuma River	
		<i>Mchanje</i>									
		Arusha Chini *	2,364	2,863	Arusha Chini		not operating	exist	none	Lake Chidya	
		<i>Kihama</i>		—				—	—	Ruvuma River	
		<i>Arusha Juu</i>									
		Chawi	3,728	4,516	—			—	—	natural pond	
		<i>Navikole</i>		—	(dug well)			exist	none		shallow well rehabilitation
		<i>Ngorongoro</i>		—						SW	
		<i>Mkoma</i>		—				—	—		
	Kiromba	Kiromba Juu	2,228	2,699	Mayembe		not operating	—	—	natural wells	
		<i>Kiromba Chini</i>			Mayembe	(dug well)	not operating	—	—		
		<i>Mikumbi</i>									
		Kiyanga	2,341	2,836	—			—	—	natural wells	
		<i>Myambo</i>									
		<i>Mkahara</i>									
		Misfini	1,257	1,523	—			—	—	natural wells	
		<i>Nachuma</i>									
		Mpayani	970	1,175	—			—	—	natural wells	
		Mayembe	2,455	2,974							
		<i>Mayembe Juu</i>			Mayembe	(dug well)	not operating	exist	none		construction of Characo dam
		<i>Mayembe Chini</i>			Mayembe	(dug well)	not operating	—	—		
	Mahurunga	Tangazo	4,969	6,019	—	SW		exist	none		
		<i>Magomeni</i>									
		<i>Kirambo</i>		—	SW						
		Khimika	1,027	1,244	—			exist	none		
		Kitunguli	1,633	1,978	Mahurunga	(dug well)	not operating	—	—		
		Mahurunga *	2,279	2,760	Mahurunga	(dug well)	not operating	—	—	Ruvuma River	
		<i>Kiyongo</i>									
		Kilombero	1,062	1,286	—			—	—	natural wells	

Mtwara Rural District, Mtwara Region

Mpapula	Kitere	Chekeleni	4,808	5,824	Kitere		50% in operation	exist	none		rehabilitation of the protect
		<i>Nakada</i>			Kitere		50% in operation	exist	none		
		<i>Mkonye</i>			Kitere		50% in operation	exist	none		
		Chemchem	2,751	3,332	Kitere	Arlesiw B/H	50% in operation	exist	none		
		<i>Lilido</i>									
		<i>Kitunguru</i>									
		<i>Hamboni</i>									
		Namuhi	2,129	2,579							
		<i>Mnyija</i>									
		Libobe *	3,304	4,002	—	—	—				
		<i>Ming'wena</i>			Kitere		50% in operation	exist	none		
		<i>Mitupa</i>									
Mpapura	Mwatehi	Mwatehi	1,458	1,766	—			—	—	open wells	
		<i>Mnyundo</i>									
		Mbuo	2,474	2,997	Mbuo		not operating	exist	none	natural wells/ponds	rehabilitation of Mbuo
		<i>Changarawe</i>									
		Ndumbwe	2,650	3,210	Ndumbwe		not operating	—	none	natural spring	
		<i>Ndambi</i>									
		Mpapura	2,306	2,793	Mpapura	(SW)	incomplete	exist	none		
		<i>Mnanje</i>									
		Utende	2,106	2,551	Namuhi	(SW)	not operating	exist	exist		
		<i>Nanyani</i>									
		<i>Mabatini</i>									
Dihimba	Dihimba	Dihimba *	1,244	1,507	Dihimba		not operating	exist	exist		bore holw flushing
		Mpondomo	1,349	1,634	Dihimba		not operating	exist	exist		
		Njumbuli	1,400	1,696	Dihimba		not operating	exist	none		
		<i>Namarjele</i>									
		<i>Miuta</i>									
		Lywowa	995	1,205	Dihimba	(SW)	not operating	exist	none		
		<i>Manamawa</i>									
		Muongano	729	883	Mbuo	(SW)	under construction	—	—		
		Mkwajuni	753	912	Mbuo	(SW)	not operating	exist	exist		
		Mwembe Tongwa	421	510	Mbuo	(SW)	under construction	exist	none		
Mnima	Mnima	Mnima	3,617	4,381	—	SW		exist	exist		
		<i>Lilala</i>			—						
		<i>Mtalala</i>			—	dug well		—	—		
		<i>Nambela</i>									
		Mango Pachanne	1,641	1,988	—	SW		—	—		
		Mkutimango	1,376	1,667	—	dug well		—	—		
		<i>Namalombe</i>									
		Lipwidi	1,431	1,733	—			exist	exist		
		Mtama	1,646	1,994			ch dam	—	—		
		<i>Kilima-hewa</i>									
		<i>Namambi</i>									
		<i>Malambwanji</i>									
Mtwara Rural Total		123,288	205,171								

Population 2000 is projected assuming that the growth rate is the same as in 1978 – 1988 (1.61%).

Villages for sampling survey are marked with an asterisk * and subvillages are written in *Italic*.

Newala District, Mtwara Region

Division	Ward	Village	Population 1988	Estimated Population 2000	Public Water Scheme			Water committee	Water fund	Water source for domestic use as of 2000	Remarks
					name of scheme covered	water source	status				
Newala	Luchingu	Newala Town									
		Luchingu			Mkunya/Makote	spring	operating	exist	none		
		Nangwala			Mkunya/Makote	spring	operating	exist	none		
		Majengo			Mkunya/Makote	spring	operating	exist	none		
		Julia A.			Mkunya/Makote	spring	operating	exist	exist		
		Julia B			Mkunya/Makote	spring	operating	exist	exist		
		Kilimahewa									
		Lingana	2,050	2,055	Mkunya/Makote	spring	operating	exist	exist		
		Likuna									
		Lekanelo	1,208	1,211							
		Kiduni			Mkunya/Makote	spring	operating	exist	none		
		Legeza			Mkunya/Makote	spring	operating	exist	none		
		Tupendane	2,962	2,969							
		Amkeni			Mkunya/Makote	spring	operating	exist	none		
		Twendepammoja									
		Moneka	829	831		SW	operating	exist	exist		
		Mwanona									
		Chitandi *	859	861		spring	operating	exist	none	spring	
		Urban Area	12,896	12,927							
Makote	Makote	Chikwaya	825	827	Mkunya/Makote	spring	operating	exist	exist		
		Makondeko	1,734	1,738	Mkunya/Makote	spring	operating	exist	exist		
		Makote	1,894	1,899	Mkunya/Makote	spring	operating	exist	exist		
		Mahunbika	1,527	1,531	Mkunya/Makote	spring	operating	exist	exist		
		Kikuyu	1,132	1,135	Mkunya/Makote	spring	operating	exist	exist		
		Mnazimmoja									
		Temeke									
		Kipimi	904	906	Mkunya/Makote	spring	operating	exist	none		
Nanguruwe	Nanguruwe	Nanguruwe *	1,110	1,113	Mkunya/Makote	spring	operating	exist	none	spring	
		Songambele									
		Samora Juu	1,126	1,129	Mkunya/Makote	spring	operating	exist	none		
		Samora Jchini									
		Magumchila	930	932	Mkunya/Makote	spring	operating	exist	none		
		Mtawe A	1,252	1,255	Mkunya/Makote	spring	operating	exist	none		
		Mtawe B									
		Mapili	614	615	Independent	(SW)	operating	exist	none		
Mkunya	Kiuta	Mnanje *	813	815	none	—	—	exist	none	spring	
		Kiuta	951	953	Mkunya/Makote	spring	operating	exist	exist		

Newala District, Mtwara Region

Newala	Mkunya	Mkunya	1,055	1,058	Mkunya/Makote	spring	operating	exist	none		
		Rahaleo	1,307	1,310	Mkunya/Makote	spring	operating	exist	none		
		Chihanga	598	599	Independent	(SW)	operating	exist	none		
		Matokeo	594	595							
		<i>Tuvene</i>			Mkunya/Makote	spring	operating	exist	none		
		Mtandi (sv)			Mkunya/Makote	spring	operating	exist	none		
		Mnauke (sv)			Mkunya/Makote	spring	operating	exist	none		
	Mcholi	Chihwindi	2,554	2,560	Mkunya/Makote	spring	operating	exist	exist		
Namiyonga	Mcholi	Amani Mcholi	1,288	1,291	Mkunya/Makote	spring	operating	exist	none		
		<i>Mnalale</i>									
		Pachoto	1,882	1,887	Mkunya/Makote	spring	operating	exist	none		
		Mcholi Godauni	2,058	2,063	Mkunya/Makote	mafta	operating	exist	none		
		Chiunjila	1,563	1,567	Independent	(SW)	not operating	exist	none		
		<i>Mpilipili</i>									
		<i>Chikwedu</i>									
	Mandumba	778	780	Mkunya/Makote	spring	operating	exist	exist			
Namiyonga	Magembo	<i>Londo</i>									
		Namiyonga	1,676	1,680	Mkunya/Makote	spring	operating	exist	exist		
		Nakachela	1,275	1,278	Mkunya/Makote	spring	operating	exist	exist		
		<i>Magembo shulenii</i>			Mkunya/Makote	spring	operating	exist	exist		
		<i>Magombo Barabani</i>	1,775	1,779	Mkunya/Makote	spring	operating	exist	none		
Mnekachi	Mnekachi	Nanyonda	1,149	1,152	Mkunya/Makeoe	(spring)	not operating	exist	exist	spring	
		<i>Nanyuwila</i>									
		Kilidu	781	783	Mkunya/Makote	spring	not operating				
		Mnui			Mkunya/Makote	spring	operating	exist	none		
		<i>Kazameye</i>			Mkunya/Makote	(spring)	not operating	exist	exist	spring	
		Juhudi	1,928	1,933	Mkunya/Makote	spring	operating	exist	none		
		Mtangalanga	1,264	1,267	Mkunya/Makote	spring	operating	exist	none		
		Makonga	2,061	2,066	Mkunya/Makote	spring	operating	exist	none		
		Mkoma I	2,508	2,514	Chiwambo	(BH)	not operating	exist	none		
		Mmakwembe	2,670	2,676							
	Chitekete	<i>Nambunga</i>			Mkunya/Makote	spring	operating	exist	exist		
		<i>Mnambe</i>			Mkunya/Makote	spring	operating	exist	exist		
		<i>Chiwambo Juu *</i>			Chiwambo	(BH)	not operating	exist	none	spring	
Chitekete	Nambudi	1,037	1,039	Mkunya/Makote	(spring)	not operating	exist	exist	spring		
	<i>Mchangani</i>			Mkunya/Makote	(spring)	not operating	exist	exist	spring		
	Mnauke (Vijama)	433	434	Chitekete	(BH)	not operating	exist	none			
	Mitahu *	866	868	Chitekete	(BH)	not operating	exist	none	spring		
	Nakahako *	1,213	1,216	Chitekete	(BH)	not operating	exist	none			
	Chitekete	1,624	1,628	Chitekete	(BH)	not operating	exist	exist			
	<i>Nankonda</i>		none		—	—		exist	none		

Newala District, Mtwara Region

Newala	Chitekete	Kamkundane (sv)			Chitekete	(BH)	not operating	exist	exist		
		Mpalu	848	850	Independent	(SW)	not operating	exist	none		
		<i>Mchauru</i>			Independent	(SW)	not operating	exist	none		
		<i>Lukehe</i>			none	—	—	exist	none		
Chilangala	Mnyambe	Mnima *	1,172	1,175	Mbwiniji	(spring)	not operating	exist	none	spring	
		Chihangu	2,783	2,790	Kitangari/Mtongwele	BH	operating	exist	exist		
		Idamnole	2,505	2,511	Kitangari/Mtongwele	BH	operating	exist	none		
		Mnyambe	1,828	1,832	Kitangari/Mtongwele	BH	operating	exist	none		
		Mnavope	2,380	2,386	Kitangari/Mtongwele	BH	operating	exist	none		
		Bahati	840	842	Kitangari/Mtongwele	(BH)	not operating	exist	none		
		Ndonda (sv)			Kitangari/Mtongwele	BH	operating	exist	none		
		Hengapamo	814	816							
		<i>Nanguku</i>			none	—	—	exist	exist		
		<i>Nachipome</i>			none	—	—	exist	none		
		Majembe Juu	427	428	none	—	—	exist	none		
		Likangara			none	—	—	exist	none		
Chilangala	Chilangala	Nanyamba	1,686	1,690							
		<i>Mkudumba</i>	580	581	Mbwiniji	(spring)	not operating	exist	none	spring	
		<i>Namdimba</i>	782	784	Mbwiniji	(spring)	not operating	exist	none	spring	
		<i>Mnyengachi</i>	690	692	Mbwiniji	(spring)	not operating	exist	none	spring	
		Miyuyu	792	794	Mbwiniji	(spring)	not operating	exist	none	spring	
		Chilangala	1,867	1,871	Mbwiniji	(spring)	not operating	exist	none	spring	
		Shuleni									
		<i>Nawanga</i>	863	865	Mbwiniji	(spring)	not operating	exist	none	spring	
		Mikumbi	1,941	1,946	Kitangari/Mtongwele	BH	operating	exist	none		
		Mkongi	2,551	2,557	Kitangari/Mtongwele	BH	operating	exist	none		
		Namangundu			none	—	—	exist	none		
Mkoma II	Mkoma II	Mlingane	1,695	1,699							
		<i>Nangudyane</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mkoma sokoni</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Ldhanga</i>			none	—	—	exist	none		
		Mmalachi	2,531	2,537							
		<i>Mkoma shuleni</i>	731	733	none	—	—	exist	none		
		<i>Chitende</i>			none	—	—	exist	none		
		<i>Mahoha</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		Loachinu	1,053	1,056							
		<i>Namihonga</i>	450	451		(SW)	not operating	exist	none		
		<i>Lukungu</i>			none	—	—	exist	none		
		<i>Chikalule</i>			none	—	—	exist	none		
		Mambali	1,824	1,828	Kitangari/Mtongwele	BH	operating	exist	none		

Newala District, Mtwara Region

Kitangari	Kitangari	Mmovo	501	502	Kitangari/Mtongwele	BH	operating	exist	none		
		Nanda I			Kitangari/Mtongwele	BH	operating	exist	exist		
		Nanda II			Kitangari/Mtongwele	BH	operating	exist	none		
		Mikwanga	835	837	none	—	—	exist	none		
		<i>Mitanga</i>			none	—	—	exist	none		
		<i>Likwaya</i>			none	—	—	exist	none		
		Mandala	1,369	1,372	Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mitema</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Nankonda</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mpotola</i>			none	—	—	exist	none		
		Maputi	1,531	1,535	Kitangari/Mtongwele	BH	operating	exist	none		
		Niamoja	746	748	Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mningalie *</i>			none	—	—	exist	none	BH	
		Kitangari (Majengo) *	1,817	1,821	Kitangari/Mtongwele	BH	operating	exist	exist		
		Mtongwele	1,295	1,298	Kitangari/Mtongwele	BH	operating	exist	none		
		Mnauya	758	760	Kitangari/Mtongwele	BH	operating	exist	none		
		Kadengwa	565	566	Kitangari/Mtongwele	BH	operating	exist	none		
		Mnali	1,445	1,448	Kitangari/Mtongwele	BH	operating	exist	none		
		Machenje (sv)			Kitangari/Mtongwele	BH	operating	exist	none		
Malatu	Malatu	Mkunjo	1,500	1,504		(SW)	not operating	exist	none		
		<i>Malatu shulen</i>				(SW)	not operating	exist	none		
		Dodoma				(SW)	not operating	exist	none		
		<i>Mtanda</i>				(SW)	not operating	exist	none		
		Malatu	1,845	1,849	Mkunya/Makote	(spring)	not operating	exist	exist	spring	
		Mnolela Chini	638	640		(SW)	not operating	exist	none		
Mcchemo	Mcchemo	<i>Mkupete</i>									
		Chiule	1,289	1,292	Kitangari/Mtongwele	(BH)	not operating	exist	exist		
		<i>Mcchemo II</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		Songambele	976	978	Kitangari/Mtongwele	(BH)	not operating	exist	none		
		Mchedebwa	811	813	Kitangari/Mtongwele	(BH)	not operating	exist	none		
		Lengo	1,668	1,672	Kitangari/Mtongwele	BH	operating	exist	none		
		Mpwapwa	882	884		(SW)	not operating	exist	none		
		<i>Mcchemo I</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		Mdimba	1,448	1,451	none	—	—	exist	none		
		<i>Ngalu</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		Songambele Chini									
		<i>Songambele Juu</i>			none	—	—	exist	none		
		Minjale B	847	849	none	—	—	exist	none		
		<i>Minjale A</i>									
		Chitenda *	1,010	1,012	Mkunya/Makote	(spring)	not operating		spring		

Newala District, Mtwara Region

Kitangari	Mtopwa	Mnyeu	1,991	1,996	Kitangari/Mtongwele	BH	operating	exist	exist		
		<i>Chikwaya</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mbebede (sv)</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		Chilondolo	1,341	1,344	Kitangari/Mtongwele	BH	operating	exist	none		
		Chikunda			Kitangari/Mtongwele	BH	operating	exist	none		
		Mtopwa			Kitangari/Mtongwele	BH	operating	exist	none		
Chiwonga	Chiwonga	Mzunguka									
		<i>Chikunda Lubedo</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mpirani</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Vihokoli</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		Nandwahi *	1,370	1,373	Kitangari/Mtongwele	BH	operating	exist	none		
		Chiwonga			none	—	—	exist	none		
		<i>Pachanne</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Chiwindi</i>			none	—	—	exist	none		
		<i>Chikuti</i>									
		Mmulunga	1,497	1,501	Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mmulunga Ziarani</i>	457	458	none	—	—	exist	none		
		Mzalendo	1,250	1,253	Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Mbembele</i>			Kitangari/Mtongwele	BH	operating	exist	none		
		<i>Chipito *</i>			none	—	—	exist	none		
Newala total			136,868	137,197							

Population 2000 is projected assuming that the growth rate is the same as in 1978 – 1988 (0.02%).

Villages for sampling survey are marked with an asterisk * and subvillages are written in *Italic*.

Tandahimba District, Mtwara Region

Division	Ward	Village	Population 1988	Estimated Population 2000	Public Water Scheme			Water committee	Water fund	Water source for domestic use as of 2000	Remarks (accessibility)
					name of scheme covered	water source	status				
Namikupa	Namikupa	Namikupa	1,032	1,034	Kitangari	BH & SW	operating	none	none		
		Pemba	1,659	1,663	Kitangari	BH & SW	operating	none	none		
		<i>Sinyangi</i>									
		Ching'ati	1,647	1,651	Kitangari	BH & SW	operating	none	none		
		Milidu	1,400	1,403	Kitangari	BH & SW	operating	none	none		
		Huruma	652	654	Kitangari	BH & SW	operating	none	none		
		Kwanyama	1,739	1,743							
Tandahimba	Tandahimba	Nanjalahu									
		Milongodi	981	983	Kitangari	BH	operating	exist	none		
		<i>Mwindi</i>									
		<i>Nalyamba</i>									
		Mapunju	1,088	1,091	Kitangari	BH	operating	exist	none		
		<i>Tingida A</i>									
		<i>Tingida B</i>									
		Mbalala									
		Malopokelo			Kitangari	BH & SW	operating	exist	none		
		<i>Miledi</i>			Kitangari	BH	operating	exist	none		
		Nangoti									
		Madaba A	1,801	1,805	Kitangari	BH	operating	exist	none		
		<i>Madaba B</i>									
		Malamba	1,470	1,474	Kitangari	(BH)	not operating	exist	none		
Mihambwe	Mihambwe	Tandahimba	5,322	5,335	Kitangari	BH & SW	operating	exist	none		
		Namkomolela	654	656	Kitangari	BH	operating	exist	none		
		Matogoro			Kitangari	BH	operating	exist	none		
		<i>Mting'inda</i>			Kitangari	(BH)	not operating	exist	none		
		Mihambwe *	1,792	1,796	Kitangari	(BH)	not operating	exist	none		
		Ruvuma	1,345	1,348	Kitangari	(BH)	not operating	exist	none		
		Lembela	956	958	Kitangari	(BH)	not operating	exist	none		
		<i>Nakale</i>									
		<i>Mnyahi</i>									
		Kisagani *	2,512	2,518	Kitangari	(BH)	not operating	exist	none		
		<i>Mkaha</i>									
		<i>Matende</i>									
		<i>Mitumbati</i>									
		Mkama			Kitangari	(BH)	not operating	exist	none		

Mting'inda and Mapunju
villagers are getting
water from Lyenge
& Milongodi villages
2 km away.

Ruvuma river
(8-10 km),
some rain water
harvesting wells

Tandahimba District, Mtwara Region

Namikupa	Michenjele	Michenjele Juu *	1,673	1,677	Kitangari (BH)	not operating	exist	none	Ruvuma river (3–5 km)	
		<i>Michenjele Chini</i>								
		Shirikisho	1,158	1,161	Kitangari (BH)	not operating	exist	none		
		<i>Mmalala</i>			Kitangari (BH)	not operating	exist	none		
		<i>Mpunda</i>			Kitangari (BH)	not operating	exist	none		
Naputa	Naputa	Ngongo *	977	979	Kitangari (BH)	not operating	exist	none	Ruvuma river (3–5 km)	
		Naputa	1,777	1,781	Kitangari (BH)	not operating	exist	none		
		Mandwani	640	642	Kitangari (BH)	not operating	exist	none		
		Mwangaza	2,190	2,195	Kitangari (BH)	not operating	exist	none		
Maundo	Maundo	<i>Mpikula</i>			Kitangari (BH)	not operating	exist	none		
		Maundo	1,584	1,588	Kitangari (BH)	not operating	exist	none		
		Namahonga	2,665	2,671	Kitangari (BH)	not operating	exist	none		
		Chiumo	1,685	1,689	Kitangari (BH)	not operating	exist	none		
		<i>Makombo</i>								
		<i>Mbuyuni</i>								
Kitama	Kitama	<i>Maundo Chini</i>							Local dug wells in near by villages (2–3 km)	
		Kunandundu	1,723	1,727	Kitangari (BH)	not operating	exist	none		
		Ng'ongolo	1,257	1,260	Kitangari (BH)	not operating	none	none		
		<i>Ng'ongolo Chini</i>								
		Miuta	991	993	Kitangari (BH)	not operating	none	none		
		Kitama	2,918	2,925	Kitangari (BH)	not operating	none	none		
		Mwenge	2,203	2,208	Kitangari (BH)	not operating	none	none		
		<i>Mwenge B</i>			Kitangari (BH)	not operating	none	none		
		Mitondi A	1,517	1,521	Kitangari (BH)	not operating	none	none		
Mkoreha	Mkoreha	<i>Mitondi B</i>							Ruvuma river (4–8 km)	
		<i>Mitondi C</i>								
		Nakale			Kitangari (BH)	not operating	none	none		
		Mkoreha			Kitangari (BH)	not operating	none	none		
		Dinyeke	639	641	Kitangari (BH)	not operating	none	none		
		<i>Dinyeke II</i>								
		Chikongo	1,509	1,513	Kitangari (BH)	not operating	none	none		
Mahuta	Mahuta	Namunda	1,623	1,627	Kitangari (BH)	not operating	none	none		
		Misufini *			Kitangari (BH)	not operating	none	none		
		Mchangani *	1,312	1,315						
		Mahuta	7,910	7,929	Mahuta	spring	operating	exist		
		<i>Mkulung'ulu</i>			Mahuta	spring	operating	none		
		<i>Chikongola</i>			Mahuta	spring	operating	none		
		<i>Bonden'i</i>			Mahuta	spring	operating	none		
Lidumbe	Lidumbe	Lidumbe Mtoni			Mahuta	spring	operating	none		
		Milumba (Juu)	713	715	Mahuta	spring	operating	none		
		<i>Milumga Chini</i>			Mahuta	spring	operating	none		

Tandahimba District, Mtwara Region

Mahuta	Mahuta	Nakayaka	854	856	Mahuta	spring	operating	none	none		
		<i>Nakayaka B</i>									
		<i>Nakayaka C</i>									
	Lubangala	1,085	1,088	Mahuta	spring	operating	none	none			
	Lidumbe	612	613								
Makukwe	Makukwe	1,670	1,674	Kitangari	(BH)	not operating	exist	none			
	Namunjejele	1,410	1,413	Kitangari	(BH)	not operating	none	none			
	Mtunguru	2,807	2,814	Kitangari	(BH)	not operating	none	none			
	Mmachi	1,303	1,306	Kitangari	(BH)	not operating	none	none			
	<i>Mtendachi</i>										
	<i>Mnauja</i>										
	Mango	1,238	1,241	Kitangari	(BH)	not operating	none	none			
	<i>Makukwe I</i>										
	<i>Ngongo</i>			Kitangari	(BH)	not operating	none	none			
	Mmongo	884	886	Kitangari	(BH)	not operating	none	none			
	<i>Minjale</i>										
	<i>Mbuyuni</i>										
Lukokoda	Lukokoda	1,427	1,430	Kitangari	BH	operating	none	none			
	Mmazi Mmoja	1,597	1,601	Kitangari	BH	operating	none	none			
	Ghana	1,178	1,181	Kitangari	BH	operating	none	none			
Nanyanga	Nanyanga	3,733	3,742	Kitangari	BH	operating	exist	none			
	Namdowola										
	Dinduma	1,386	1,389	Kitangari	BH	operating	exist	none			
	Barabarani										
	<i>Tandika</i>			Kitangari	BH	operating	exist	none			
	<i>Dinduma Shuleni</i>										
	Mitene	1,435	1,438	Kitangari	BH	operating	exist	none			
	<i>Mnalwayo</i>										
	Nanyuwila	1,019	1,021	Kitangari	BH	operating	exist	none			
	Miule	1,624	1,628	Kitangari	BH	operating	exist	none			
Mnyawa	Mnyawa	1,635	1,639	Kitangari	BH & SW	operating	none	none			
	Mundamkulu	1,754	1,758	Kitangari	BH & SW	operating	none	none			
	Mahema	1,342	1,345	Kitangari	BH & SW	operating	none	none			
	Mchichira *	2,083	2,088	Kitangari	BH & SW	operating	none	none			
	Jangwani	2,248	2,253	Kitangari	BH & SW	operating	none	none			
	Pachani	650	652	Kitangari	BH & SW	operating	none	none			
	Shangani	1,507	1,511	Kitangari	BH & SW	operating	none	none			
Mdimba Mnyoma	Tukuru Juu	2,195	2,200	Kitangari	BH	operating	exist	none			
	<i>Tukuru Chini</i>										
	Mnyoma	2,175	2,180	Kitangari	BH	operating	exist	none			
	Mambamba	1,610	1,614	Kitangari	BH	operating	exist	none			

Tandahimba District, Mtwara Region

Mahuta	Mdimba Mnyoma	Mtandalava	1,133	1,136	Kitangari	BH	operating	exist	none		
		<i>Mnauya</i>									
		Mndumbwe	1,424	1,427	Kitangari	BH	operating	exist	none		
		Mtyatula			Kitangari	BH	operating	exist	none		
		Mtegu	1,344	1,347	Kitangari	BH	operating	exist	none		
Mkwedu	Mkwedu		2,317	2,323	Kitangari	(BH)	not operating	none	none		
		<i>Chiuta</i>									
		Tengulengu	1,736	1,740	Mkunya	spring	operating	exist	9,000		
		<i>Makule</i>									
		Mnyambachi	1,438	1,441	Mkunya	spring	operating	exist	2,500		
Mcholi II	Tawala		1,528	1,532	Mahuta	spring	operating	exist	none		
	Mnaida		565	566	Mahuta	spring	operating	exist	none		
	Lidumbe Shuleni		1,489	1,493	Mahuta	spring	operating	exist	none		
	Msilili		1,547	1,551	Mahuta	spring	operating	exist	none		
	<i>Mitumbati</i>										
Chingungwe	Chingungwe		2,314	2,320	Kitangari	BH	operating	exist	none		
	Mkupete		1,172	1,175	Kitangari	BH	operating	exist	none		
	Salama		1,270	1,273	Kitangari	BH	operating	exist	none		
	<i>Chikunda</i>										
	<i>Malarje</i>										
	<i>Kule</i>										
	Mtenda		1,182	1,185	Kitangari	BH	operating	exist	none		
	Muchelete				Kitangari	BH	operating	exist	none		
Mkundi	Mikundi		2,707	2,714	Kitangari	BH	operating	exist	none		
	Mikundi Shuleni				Kitangari	BH	operating	exist	none		
	Dinembo		1,055	1,058	Kitangari	BH	operating	exist	none		
	Chitoholi		1,292	1,295	Kitangari	BH	operating	exist	none		
	Lipalwe		1,706	1,710	Kitangari	BH	operating	exist	none		
	<i>Lipalwe II</i>										
Litehu	Luagala	Mongomongo	1787	1,791							
		<i>Mkwedu II</i>			Kitangari	BH	operating	exist	none		
		<i>Machedi</i>			Kitangari	BH	operating	exist	none		
		Chaume A	2,474	2,480		SW	operating	exist	none		
		<i>Chaume B</i>									
		<i>Liponde</i>			Kitangari	BH	operating	exist	none		
		Mweru	1,209	1,212	Kitangari	BH	operating	exist	none		
		Michinji *	2,462	2,468	Kitangari	BH	operating	exist	30,000		
		Litehu	1,273	1,276	Kitangari	BH	operating	exist	none		
		Mkola	1,498	1,502	Kitangari	BH	operating	exist	none		
		Mmeda	778	780		SW	operating	exist	none		
		Kulyenda	1,141	1,144							

Tandahimba District, Mtwara Region

Litehu	Luagala	<i>Mabeti *</i>			Kitangari	BH	operating	exist	none		They are getting water from Mmeda, Ngunja and Litehu 2–3km
		<i>Chidede</i>			Kitangari	BH	operating	exist	none		
		<i>Libobe *</i>	620	621	Kitangari	BH	operating	exist	none		
		<i>Luheya</i>			Kitangari	BH & SW	operating	exist	none		
Mkwiti	Mkwiti	<i>Mkwiti *</i>	1,768	1,772			—	exist	none		Mkwiti Juu & Mkwiti Chini are getting water from Mangombya 3–5km.
		<i>Mkwiti B</i>									
		<i>Likolombe Chini</i>	1,895	1,900			operating	exist	none		
		<i>Kindoo</i>									
		<i>Likolombe Juu</i>									
Mkonjowano	Mkonjowano	<i>Mkonjowano</i>	1,291	1,294	Kitangari	BH	operating	exist	none		Uloda Leo and Mkula are getting water from Ngunja & Mangombya 3–5km.
		<i>Uloda Leo</i>			Kitangari	BH	operating	exist	none		
		<i>Nambutuka</i>									
		<i>Nachunyu</i>									
		<i>Mkula *</i>	840	842	Kitangari	BH	operating	exist	none		
		<i>Mikuyu</i>									
		<i>Chimbuko</i>	1,323	1,326	Kitangari	BH	operating	exist	none		
		<i>Chiwonda</i>									
		<i>Mambahu</i>	1,913	1,918	Kitangari	BH	operating	exist	none		
		<i>Mahoha</i>									
		<i>Mivanga</i>	998	1,000	Kitangari	BH	operating	exist	none		
		<i>Mnadia</i>									
		<i>Mwembe Mmoja</i>	1,063	1,066	Kitangari	BH	operating	exist	none		
		<i>Lyenje</i>	893	895	Kitangari	BH	operating	exist	none		
Ngunja	Ngunja	<i>Namindondi Juu</i>	1,310	1,313		SW	operating	exist	none		Namnala, Mkuti, and Nanjanga getting water from Ngunja & Mangombya 2–3km.
		<i>Namindondi Chini</i>									
		<i>Mkunjango</i>	2,147	2,152							
		<i>Mangombya</i>			Kitangari	BH	operating	exist	none		
		<i>Nanjanga</i>			none	—	—	exist	none		
		<i>Mkuti</i>			none	—	—	exist	none		
		<i>Ngunja</i>	1,758	1,762	Kitangari	BH	operating	exist	none		
		<i>Nannala</i>	723	725	none	—	—	exist	none		
		<i>Machunyu</i>	1,062	1,065							
Tandahimba Total			166,620	167,020							

Population 2000 is projected assuming that the growth rate is the same as in 1978 – 1988 (0.02%).

Villages for sampling survey are marked with an asterisk * and subvillages are written in *Italic*.

Masasi District, Mtwara Region

Division	Ward	Village	Population 1988	Estimated Population 2000	Public Water Scheme			Water committee	Water fund	Water source for domestic use as of 2000	Remarks (accessibility)
					name of scheme covered	water source	status				
Chikundi	Nanganga	Nanganga	2,051	2,644		SW	operating	exist			3km away
		Namihungo	1,875	2,417	Liputo	spring			none		
		Nangoo	2,405	3,101	Liputo	spring	operating	exist	exist		
		Mkang'u	640	825		SW	operating	exist	none		
		Mkungu	1,112	1,434							
		Mwongozo	1,734	2,236	Liputo	spring	operating	exist	exist		
		Mumburu	1,831	2,361	Mumburu	BH	operating	exist	exist		
		<i>Rutamba</i>									
		<i>Dodoma</i>									
		<i>Mwena</i>			Mwena	spring	not operating				
		<i>Mtakuja</i>			Mwena	spring	operating				
		Mpanyani (washed by flood)	538	694							
		Mihima (washed by flood)	937	1,208							
		<i>Mihima Juu</i>									
		<i>Mihima Chini</i>									
		Mkami									
Mwena	Mwena	Mwena	4,513	5,819	Mwena	spring	operating	exist	exist		
		Mkalapa	2,059	2,655	Mwena	spring	operating	exist	exist		
		<i>Mkaleka</i>			Mwena						
		Mpowora			Mwena	spring	operating	exist	exist		
		Chikundi	5,612	7,235	Mwena	spring	operating	exist	exist		
		Liputo	2,134	2,751	Liputo	spring	operating	exist	exist		
		<i>Tuungane</i>									
		<i>Njenga</i>			Ndanda	spring	operating	exist	exist		
		Mtunungu			Ndanda	spring	operating	exist	exist		
		Rukohe (washed by flood)	987	1,273							
Chigugu	Chigugu	Ndanda	7,772	10,020	Ndanda	spring	operating				
		Chigugu	2,344	3,022	Mwena	spring	operating	exist	exist		
		Mandiwa	1,270	1,637	Mwena	spring	operating	exist	exist		
		<i>Mihuru</i>									
		Mbemba	1,494	1,926	Mwena	spring	operating	exist	exist		
		Maparagwe *	921	1,187		SW	operating	exist	none		
		Mbaju	1,824	2,352	Mwena	spring	operating	exist	none		
		<i>Rahaleo</i>			Mwena	spring	operating				
		Chikukwe	2,292	2,955	Mwena	(spring)	not operating	exist	none	spring	
		Liloya	1,156	1,490	Mwena	(spring)	not operating	exist	none	spring	

Masasi District, Mtwara Region

Chikundi	Chiwata	<i>Chiwata</i>	1,898	2,447	—						
		<i>Chidya</i>	2,073	2,673	—						
		<i>Namaunya</i>			—						
		<i>Zingatia</i>			—						
		<i>Ngalinje</i>			—						
		<i>Sauti Moja</i>	841	1,084	Mwiti	spring	not operating				
		<i>Nangololo Juu</i>			Mwiti	spring	not operating				
		<i>Nangololo Chini</i>			Mwiti	spring	not operating				
		<i>Mpangule</i>			Mwiti	spring	not operating				
Lisekese	Lisekese	<i>Mtandi</i>			Mwena/Masasi	spring, BH	operating	exist	exist		
		<i>Kachulu</i>									
		<i>Mchokonyo</i>									
		<i>Nyasa</i>			Masasi	spring, Dam	operating				
		<i>Migongo</i>			Masasi	BH	operating				
		<i>Mkarango</i>	2,125	2,740		SW	operating				
		<i>Mbonde</i>	3,067	3,954							
		<i>Namkungwi *</i>	1,220	1,573	Mlingala	(BH)	not operating	exist	exist	Traditional well	
		<i>Mtowasiri</i>									
		<i>Mwenge Mtapika</i>	1,228	1,583				none	none	Traditional well	
		<i>Matawale</i>	1,532	1,975	—	—	—	none	none	Traditional well	
		<i>Mkapunda</i>	2,457	3,168				none	none	Traditional well	
		<i>Nandumbili</i>									
		<i>Sululu</i>	2,310	2,978		(SW)	not operating	none	none		
		<i>Chingutwa</i>									
		<i>Mkarakate</i>	1,902	2,452	Makulani	(Dam)	not operating	none	none		
		<i>Makulani</i>	2,720	3,507	Makulani	(BH)	not operating	none	none		
		<i>Mpekeso</i>	2,019	2,603		(Dam)		none	none		
		<i>Mpekeso Juu</i>									
		<i>Mpekeso Chini</i>									
		<i>Ngupe Machenje</i>									
		<i>Tukaewote</i>	1,291	1,664	Tukaewote	(BH)	not operating	none	none		
		<i>Ngalinge</i>			—						
		<i>Chiwisi</i>									
		<i>Nangose *</i>	1,310	1,689		SW BH	operating	exist	exist		
		<i>Temeke</i>	1,447	1,866		BH	operating	exist			
		<i>Namkarawe</i>			—						
		<i>Mtakuja</i>	2,355	3,036		SW	operating	exist	exist		
		<i>Marokopaleni</i>			—						
(Masasi town)		<i>Urban Area</i>	20,089	25,901	Masasi	SW	operating	exist	exist		
		<i>Mkonaindo Block</i>			Mchema	Dam	operating				
		<i>Mkuti Block</i>			Mwena/ Magumuchira	spring, BH	operating	exist	exist		

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Lisekese	Marika	<i>Marika</i>	1,180	1,521	<i>Marika</i>	BH	operating	exist	exist		
		<i>Sautimoja</i>								Traditional well	
		<i>Kazamoyo</i>				SW	operating				
		<i>Mlundelunde</i>	2,130	2,746					exist	none	Traditional well
		<i>Mchaka</i>									
		<i>Mpoata (Mpela)</i>			<i>Mpela</i>	(BH)	not operating				
		<i>Mumbaka</i>	1,872	2,414	<i>Mumburu</i>	(BH)	not operating	exist	exist		
		<i>Majengo</i>			—						
		<i>Nakwande</i>			—						
		<i>Machombe</i>			—						
		<i>Kilimani – Hewa</i>			—						
		<i>Mipakani</i>			—						
		<i>Namatunu</i>	1,269	1,636	<i>Namatunu</i>	(BH)	not operating	exist	exist		
		<i>Ipiho</i>			—						
		<i>Nazareti</i>			—						
		<i>Msakala</i>			—						
		<i>Namikumda</i>	1,986	2,561	<i>Namikumda</i>	(BH)	not operating	exist	exist		
		<i>Chipole</i>			—						
Maratani	Maratani	<i>Maratani</i>	2,330	3,004		SW	not operating	none	none		
		<i>Malema</i>	1,165	1,502	—						
		<i>Mchangani A, B</i>			—						
		<i>Majengo</i>			—						
		<i>Mraushi</i>			—						
		<i>Mnanje</i>	1,494	1,926	—			none	none	Traditional well	
		<i>Chikunja Shuleni</i>			—						
		<i>Mnanje Chini</i>	1,641	2,116	<i>Mnanje</i>	BH	operating	exist	none		
		<i>Lipupu</i>	751	968				none	none	Traditional well	
		<i>Namilolo</i>									
		<i>Ngupe</i>	1,815	2,340		(SW)	not operating	exist	none		
		<i>Mapinduzi</i>									
		<i>Holola</i>	1,348	1,738	<i>Holola</i>	(BH)	not operating	none	none		
		<i>Mwamba</i>									
		<i>Mitimbingi</i>									
Nandete	Nandete	<i>Mikuva</i>	1,301	1,677		(SW)	not operating	exist	exist		
		<i>Nandete</i>	1,838	2,370	<i>Nandete</i>	(BH) SW	not operating operating	exist	none		
		<i>Kaloleni</i>			—						
		<i>Nakopwiti</i>			—						
		<i>Chivirikitii</i>	1,208	1,557	<i>Chivirikitii</i>	BH	operating	exist	exist		
		<i>Mzalendo</i>			—						
		<i>Nakole</i>	1,293	1,667	<i>Nandete</i>	BH	operating	exist	exist		

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Lisekese	Nandete	<i>Mkarakate</i>							
		<i>Chitekani</i>							
		Ulanga	1,537	1,982	Ulanga	(BH)	not operating	exist	exist
		<i>Semeni</i>							
		Chakama	2,094	2,700		(SW)	not operating	exist	exist
		Navai	1,122	1,447	Navai	(BH)	not operating	none	none
		<i>Mkangara</i>							
		Mtalikachau	917	1,182	Mtalikachau	(BH)	not operating	exist	exist
		<i>Mtendachi</i>							
Mikangaula		Mikangaula	3,773	4,864	Mikangaula	BH	operating	exist	none
		Mkwajuni	1,750	2,256	Mkwajuni	BH		exist	none
		<i>Nawaji</i>							
		<i>Kilimahewa</i>							
		<i>Chitwangule</i>							
		Nahimba	1,071	1,381				none	none
		<i>Msangusangu</i>			—				
		<i>Ngalinge</i>							
		Namatumbusi	2,024	2,610	Mkwajuni	(BH)/Dam	not operating	none	none
		<i>Mirambo</i>			—				
		<i>Napako</i>			—				
		Nangaramo	1,208	1,557	—			none	none
		Kamundi	912	1,176	—			none	none
		<i>Mkoromwana</i>			—				
		<i>Chitandi</i>			—				
		<i>Kitangali</i>			—				
		Kilosa	1,909	2,461	Mlingula	(BH)	not operating	exist	exist
		<i>Mbara</i>			—				
		<i>Mbaruku</i>			—				
Namatutwe		Namatutwe	618	797		(SW)	not operating	exist	exist
		<i>Ngalole</i>			(SW)		not operating	none	none
		Chiroro			(SW)		not operating	exist	exist
		Miwale			Miwale	(BH)	not operating	exist	exist
		Namajani	3,640	4,693	Namajani	BH	operating	exist	exist
		<i>Namichi</i>			—				
		Msikisi	831	1,071	Msikisi	(BH)	not operating	exist	exist
		Namalembo	941	1,213	—			none	none
		Chingulungulu	1,312	1,692		(SW)	not operating	exist	none
		<i>Pachani</i>			—				
		Chikoweti	2,259	2,913	Chikoweti	(BH)	not operating	exist	exist
		<i>Mkwapa</i>	672	866	—			exist	exist
		<i>Mkwapa Shuleni</i>			—				Traditional well

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Lisekese	Namatutwe	<i>Mkwapa Ofisini</i>								
		Mlingula	3,619	4,666	Mlingala	(BH)	not operating	none	none	
		Masikumanyingi		—				none	none	Traditional well
		Amani Chilolo	5,036	6,493	—					
		<i>Amani Ngalole</i>		—						
		<i>Amani Magereza</i>		—						
	Mpindimbi	Mpindimbi	2,746	3,540	Mwiti	(spring)	not operating	exist	none	spring
		<i>Mapale</i>		—						
		Shaurimoyo	880	1,135	Mwiti	(spring)	not operating	exist	none	spring
		Kanyimbi	1,734	2,236	—			exist	exist	Traditional well
		<i>Muungano</i>		—						
		<i>Namahamba</i>		—						
		Chisegu	1,397	1,801	Chisegu	(BH)	not operating	exist	exist	
		<i>Mkajamilia</i>		—						
		<i>Mkatioka</i>		—						
		Chanikanguo	1,954	2,519	Mwena	(spring)	not operating	none	none	spring
		Kachepa	1,058	1,364	Mwena	(spring)	not operating	exist	exist	spring
		<i>Minjale</i>		—						
	Lukuledi	Lukuledi	4,651	5,996	Lukuledi	BH	operating	exist	exist	
		Mkoropola	1,021	1,316	Mwena	(spring)	not operating	none	none	Traditional well
		Nasinde	1,286	1,658	Nasinde	(BH)	not operating	none	none	
		<i>Nasinde Nangomba</i>		—						
		Napata	1,660	2,140	Napata	(BH)	not operating	exist	exist	
		<i>Magumchile</i>		—						
		<i>Mkalanga</i>		—						
		<i>Nagaga</i>		—						
		Chikunja	2,207	2,845		(SW)	not operating	none	none	
		<i>Nanditi</i>		—						
		Mraushi	1,997	2,575	Mraushi/Mwena	BH	operating	exist	exist	
		<i>Mwangawako</i>		—						
		<i>Masonga</i>		—						
		<i>Mcholi</i>		—						
		Nanyindwa	734	946	Nanyindwa	SW	operating	exist	exist	
		Lilala	929	1,198	—			none	none	
		Chiwale	2,193	2,827	Chiwale	(Dam)	not operating	exist	exist	
		Mpanyani		—	Mpanyani	(Dam)	not operating	exist	exist	
		<i>Mihima *</i>		—				exist	none	Traditional well
		Nambawala	1,731	2,232	Nambawala	(BH)	not operating	exist	exist	
		<i>Machite</i>		—						
	Masuguru	Masuguru	1,830	2,359		(SW)	not operating	none	none	
		Lukula	1,318	1,699	Lukula	(BH)	not operating	none	none	

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Lisekese	Masuguru	<i>Lungombe</i>			—					
		Lukwika	372	480	—	(SW)	not operating	none	none	
	Mkonona	Namijati	770	993	—	(SW)	not operating	none	none	
		Chilunda	1,072	1,382	—	(SW)	not operating	none	none	
		<i>Mtandi</i>			—					
		Njisa	777	1,002	Njisa	BH	operating	exist	none	
		Marumba	875	1,128	—			none	none	spring
		<i>Nambunda</i>			—					
		Mitumbati	899	1,159	—	(SW)	not operating	none	none	
Nanyumbu	Nanyumbu	Nanyumbu *	1,079	1,391	Nanyumbu	(SW)	not operating	exist	none	Traditional well
		Chipuputa	3,239	4,176	Chipuputa	BH	operating	exist	exist	
		<i>Chipuputa shulenii</i>			Chipuputa	BH				
		Chitowe	962	1,240	Chitowe	Dam	operating	none	none	
		<i>Nakarara</i>			—					
		Chungu	614	792	Chungu	(BH)	not operating	exist	none	
		Makanya	761	981	—			none	none	
		Maneme	382	493	Nanyumbu	Dam & SW	operating	none	none	
		Mkuula	985	1,270	—	(SW)	not operating	none	none	
		Mpwakia	1,068	1,377	Mpwakia	BH	operating	exist	exist	
		<i>Tawani</i>			—					
		Namaguluvi	2,250	2,901	Namaguluvi	(BH)	not operating	none	none	
		Namasogo *	1,026	1,323	Namasogo	(Dam)	not operating	exist	exist	Traditional well
		Nanderu	1,420	1,831	—	(SW)	not operating	none	none	
		Mkonona			—					
	Nangomba	Nangomba	2,975	3,836	Nangomba	(BH)	not operating	exist	exist	
		Msialele	1,264	1,630	—			exist	exist	Traditional well
		Kisimatuli			—			none	none	Traditional well
		Mara	1,574	2,029	Mara	(BH)	not operating	none	none	
		Msengenya	2,427	3,129	Msengenya	(BH)	not operating	none	none	
		Ngalinje	821	1,059	—			none	none	Traditional well
		Nachiura	2,251	2,902	—			none	none	Traditional well
		Mtokora			—			none	none	Traditional well
		Nahawara	931	1,200	Nahawara	(BH)	not operating	none	none	
		Mangaka	2,625	3,384	Mangaka	BH	operating	exist	exist	
		Kilima Hewa	3,927	5,063	Kilima Hewa	BH	operating	exist	exist	
		Mnemeka	987	1,273	—			none	none	Traditional well
		<i>Mkoma</i>			—					
		Maswera			Maswera	(BH)	not operating	none	none	
		Mnonia	1,093	1,409	—	(SW)	not operating	none	none	
		Mwambani	525	677	—			none	none	Traditional well
		Ndwika	733	945	Ndwika		not operating	none	none	

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Nanyumbu	Nangomba	Songambele	1,371	1,768	—					
Nakopi	Napacho	Nakopi	1,431	1,845	Nakopi	BH	operating	exist	none	
		<i>Mikangaula</i>			—					
		<i>Mitumbati</i>			—					
		Mburusa	1,286	1,658	Mburusa	BH	operating	exist	none	
		<i>Napacho</i>			—					
		Chimika *	1,640	2,114	—	—	—	exist	none	Traditional well
		<i>Kazamoyo</i>			Kazamoyo	BH	operating	exist		
		Mpombe	1,517	1,956			not operating	exist	none	
		<i>Mtemaupinde</i>			—					
		Ndachela	805	1,038	—			exist	none	Traditional well
		<i>Mitonga</i>			—					
Likokona	Likokona	Likokona	3,080	3,971	Likokona	BH	operating	exist	exist	
		Mkumbaru *	2,514	3,241	—			exist	none	Traditional well
		<i>Mwambo</i>			—					
		<i>Songambele</i>			—					
		<i>Lukumbi</i>			—					
		Msinyasi	1,076	1,387	Msinyasi	BH	operating			
		<i>Misawaji</i>			—					
		<i>Kazamoyo</i>			—					
		Michiga	4,703	6,064	Michigan	BH	operating	exist		
		<i>Naipingo</i>			—					
Lumesule	Lumesule	Makong'ondera	1,539	1,984	Makong'ondera	(BH) Dam	not operating operating	exist		
		Lumesule	1,437	1,853	Lumesule	BH	operating	exist	none	
		<i>Nakanyunya</i>			—					
		<i>Makandavale</i>			—					
		Chigweje	1,457	1,878	Chigweje	BH	operating	exist		
		<i>Namiungo</i>			—					
		<i>Changwale</i>			—					
Lulindi	Lulindi	Nandembo	1,554	2,004	Nandembo	BH	operating	exist	exist	
		<i>Ngalinge</i>			—					
		Lulindi	2,885	3,720	Lulindi	spring	operating	exist	exist	
		Chiwambo	1,075	1,386	Lulindi	spring	operating	exist		
		<i>Namajani</i>			—					
		<i>Kisiwani</i>			—					
		Mkaseka	692	892	Lulindi	spring	operating	exist		
		Kivukoni	1,371	1,768	Lulindi	spring	operating	exist		
		<i>Mtakuja</i>			Lulindi	spring				
		<i>Mnopwe</i>			—					
		<i>Rahaleo</i>			—					

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Lulindi	Lulindi	Luagala	979	1,262	Lulindi	spring	operating	exist			
Namalenga	Namalenga		2,637	3,400	Lulindi	spring	operating	exist	none		
	Nagaga		1,677	2,162	Lulindi	spring	operating	exist	exist		
	Mpilipili		1,308	1,686	Lulindi	spring	operating	exist	exist		
	Msanga		951	1,226	Lulindi	(spring)	not operating	none	none	spring	
	<i>Mapinduzi</i>			—							
	<i>Juhudi</i>			—							
	<i>Katundu</i>			—							
	Msokosela		636	820	—			none	none	Traditional well	
	<i>Mburusa</i>										
	<i>Lisimalyao</i>										
	Mvita		766	988	Lulindi	spring	operating	exist	none		
	<i>Chigewa</i>			—							
	<i>Majengo</i>			—							
	Mitesa		826	1,065	Lulindi	(spring)	not operating	exist	none	spring	
Mkululu	Mkululu		1,302	1,679	Mkululu	(spring)	not operating	none	none	spring	
	Mkundiamani			—						Traditional well	
	Mbugo		640	825	Mbugo	Dam	not operating	none	none	spring	
	Miba		497	641	Mbugo	(spring) Dam	not operating	none	none	spring	
	<i>Mbugo</i>										
	<i>Mkwaya</i>										
	Mfuto		1,104	1,423	Mbugo	(spring)	not operating	none	none	spring	
	<i>Mnolela</i>			—							
	<i>Lusonje</i>			—							
	<i>Chinolo</i>			—							
	Mpopo		972	1,253	Mpopo	(spring)	not operating	none	none	spring	
	<i>Mconde</i>			—							
	<i>Mbalichila</i>			—							
	Makachindu		560	722		(SW)	not operating	none	none		
Mkundi	Mkoropola		1,112	1,434		(SW)	not operating	none	none		
	<i>Nangwale</i>			—							
	<i>Mkoropola Chini</i>			—							
	<i>Nakalola Chini</i>			—							
	Chipango		592	763	—			none	none	Traditional well	
	<i>Njechele</i>			—							
	Majembe Chini		1,849	2,384	Mkululu	spring	not operating	none	none		
	<i>Kitunda</i>			—							
	<i>Majembe Kali</i>			—							
	Nakalola		947	1,221	—			none	none	Traditional well	
	Miwale		792	1,021	Mwiti	spring	not operating				
	Mkundi		458	590	—						

Masasi District, Mtwara Region

Mchauru	Mchauru	Macharu Juu	1,488	1,918	—			none	none	Traditional well	
		<i>Mtota</i>			—						
		<i>Makochi</i>			—						
		Rivango	687	886	Makong'onda	(spring)	not operating	exist	exist	spring	
		<i>Rivango A, B</i>			Makong'onda						
		Nangomwa	406	523	—			none	none	Traditional well	
		Mirewe	1,218	1,570	—			exist	exist	Traditional well	
		<i>Taputa</i>			—						
		<i>Nanganga</i>			—						
		Maparawe	845	1,089	—			none	none	Traditional well	
		Namombwe	1,917	2,472	—			exist	exist	Traditional well	
		<i>Mkumbululu</i>			Lulindi	spring	operating				
		<i>Mwitika</i>			—			none	none	Traditional well	
		Mkovo	563	726	Mkovo	(BH)	not operating	none	none		
		<i>Nalimbudi</i>			—						
		Mnavira	1,255	1,618	Makong'onda	(spring)	not operating	none	none	spring	
		Makong'onda *	1,766	2,277	Makong'onda	spring	operating	none	none	spring	
		<i>Mkwaya</i>			Makong'onda	spring					
		<i>Makongonda Chini</i>			Makong'onda	spring					
		Namyomyo	729	940	—					Traditional well	
		Chikoropola	763	984	Makong'onda	(spring)	not operating			spring	
		Mapili	1,162	1,498	Makong'onda	(spring)	not operating			spring	
		<i>Rahaleo</i>			—						
		Manyuli	487	628	Makong'onda	(spring)	not operating			spring	
		Mkachima	1,034	1,333	Makong'onda	(spring)	not operating			spring	
		<i>Chiping'o</i>			Makong'onda	spring					
		<i>Mkaliwata</i>			Makong'onda	spring					
		Geuza	959	1,236	—					Traditional well	
		<i>Naliongolo</i>			—						
		<i>Mduhe</i>			—						
		<i>Namutema</i>			—						
		Nakarara	1,784	2,300	Makong'onda	(spring)	not operating			spring	
Sindano	Sindano	Sindano	948	1,222	Sindano	(SW)	not operating	exist	exist		
		<i>Sindano A, B</i>			—						
		Lichehe	879	1,133	Sindano	(SW)	not operating				
		<i>Mgwagule</i>			—						
		<i>Mitandawala</i>			—						
		Ulungu	1,084	1,398	Lulindi	spring	operating				
		<i>Msikisi</i>			—						
		<i>Ndomoni</i>			—						
		<i>Ng'uni</i>			—						

Masasi District, Mtwara Region

Mchauru	Sindano	<i>Luatala</i>	1,204	1,552	Lulindi	spring	operating			
		<i>Lulemba</i>			—					
		<i>Ndendemama</i>			—					
Chiungutwa	Chiungutwa	<i>Chiungutwa</i>	2,403	3,098	Lulindi	spring	operating	exist	exist	
		<i>Kalipinde Chini</i>			—					
		<i>Chilimba</i>	10,598	13,664	—	—	—			Traditional well
		<i>Huve</i>	1,152	1,485	Huve	(BH)	not operating			
		<i>Chanika</i>			—					
		<i>Makanyama</i>			—					
		<i>Pachoto</i>			—					
		<i>Maugura</i>	1,719	2,216	Lulindi	spring				Traditional well
		<i>Masuguru</i>			—					
		<i>Ngalinge</i>			—					
		<i>Mnelawina</i>			—					
		<i>Mipande</i>	908	1,171		SW				
		<i>Kalipinde</i>			—					
		<i>Mtenga</i>			—					
		<i>Misechela</i>	2,017	2,600	—					Traditional well
		<i>Lukondesi</i>			—					
		<i>Chilimba</i>			—					
		<i>Lisange</i>			—					
		<i>Mpeta *</i>	2,399	3,093	Mpeta	(BH)	not operating	exist	exist	
		<i>Mrashi</i>			—					
Mbuyuni		<i>Mbuyuni</i>	1,765	2,276	Lulindi	spring		exist	exist	
		<i>Nambarapi</i>			—					
		<i>Luchelewa</i>			—					
		<i>Mpulima</i>	1,267	1,634		(SW)	not operating			
		<i>Majembe Ndago</i>			—					
		<i>Likonga Juu</i>			—					
		<i>Lilawa</i>			—					
		<i>Mitonji</i>	831	1,071		(SW)	not operating	exist	exist	
		<i>Mnonjini</i>			—					
		<i>Miungo</i>	941	1,213		SW				
		<i>Chipindimbi</i>			—					
		<i>Mdibwa</i>	1,463	1,886	Lulindi	spring	operating			
		<i>Matogoro</i>			—					
Nanjota		<i>Nanjota *</i>	2,793	3,601	Nanjota	BH	operating	exist	exist	
		<i>Migongo</i>			—					
		<i>Nairombo</i>	917	1,182		(SW)	not operating			
		<i>Nambunda</i>	1,435	1,850		(SW)	not operating			
		<i>Mpwapwa Juu</i>			—					

Masasi District, Mtwara Region

Chiungutwa	Nanjota	<i>Tupendane</i>			—							
		Milunda	7,104	9,159	—						Traditional well	
		Mijelejele	1,959	2,526	—	(SW)	not operating					
		<i>Tuleane Mputeni</i>			—							
		<i>Mtengula</i>			—							
		<i>Mpwapwa</i>			—							
	Lipumburu	Lipumburu	586	756	—						Traditional well	
		<i>Nambunju</i>			—							
		<i>Nakachere</i>			—							
		Mchoti	1,394	1,797	—						Traditional well	
		<i>Mbangara Mbuyuni</i>			—							
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Masasi Total		352,810	454,874									

Population 2000 is projected assuming that the growth rate is the same as in 1978 – 1988 (2.14%).

Villages for sampling survey are marked with an asterisk * and subvillages are written in *Italic*.