

# 資料

## 資料 1 調査団構成

資料1 調査団構成

氏名	担当分野	所属	現地派遣期間
松本 重行	総括	独立行政法人国際協力機構 無償資金協力部 業務第一グループ 水・衛生チーム	6月27日～7月9日
藤原 邦夫	水理地質／地下水開発 計画	株式会社エー・エス・エンジ ニアリング	6月20日～7月10日
佐々木 洋介	村落給水計画	株式会社ソーワコンサルタ ント	6月20日～7月10日

## 資料 2 調査行程

資料2 調査行程

			総括	水理地質/地下水開発計画	村落給水計画
1	6月20日	日		東京 17:40→香港 21:10 (JL735) 23:50→	
2	6月21日	月		→ヨハネスブルグ 7:00 (SA287) 10:20→リロングウェ 12:45 (SA170) JICA 事務所打合せ	
3	6月22日	火		水開発省訪問、調査日程打ち合わせ、対象地域サイト調査	
4	6月23日	水		対象地域サイト調査	
5	6月24日	木		対象地域サイト調査	
6	6月25日	金		水開発省ワークショップ視察(機材維持管理状況調査)	既往案件現況調査(ムチンジ地下水開発計画)
7	6月26日	土		資料整理、団内打ち合わせ	
8	6月27日	日	東京 17:40→香港 21:10 (JL735) 23:50→	資料整理、団内打ち合わせ	
9	6月28日	月	→ヨハネスブルグ 7:00 (SA287) 10:20→リロングウェ 12:45 (SA170) 団内打合せ	(午前) 水開発省ヒアリング、資料収集 (午後) 団内打合せ	
10	6月29日	火	JICA 事務所打合せ、水開発省・財務省表敬、水開発省ヒアリング	水開発省ヒアリング、既存機材活用状況調査	水開発省ヒアリング
11	6月30日	水	NGO (Water Aid) 訪問、対象地域サイト調査		
12	7月1日	木	既往案件現況調査(リロングウェ・デッサ地下水開発計画)、同計画引渡し式出席		
13	7月2日	金	ミニッツ協議		
14	7月3日	土	資料整理、NGO (Inter Aide) 訪問		
15	7月4日	日	資料整理、団内打ち合わせ		
16	7月5日	月	ミニッツ署名、JICA 事務所報告	再委託業者調査、基本設計調査業務指示の検討に必要な調査	再委託業者調査、基本設計調査業務指示の検討に必要な調査
17	7月6日	火	(午前) 団内打合せ リロングウェ 16:40→ルサカ 18:20 (QM181)	(午前) 団内打合せ (午後) 資料整理(マラウイ国祝日のため)	(午前) 団内打合せ (午後) 資料整理(マラウイ国祝日のため)
18	7月7日	水	在ザンビア日本大使館報告	再委託業者調査、基本設計調査業務指示の検討に必要な調査	再委託業者調査、基本設計調査業務指示の検討に必要な調査
19	7月8日	木	ルサカ 7:45→ヨハネスブルグ 9:50 (SA069) ヨハネスブルグ 12:50→	再委託業者調査、基本設計調査業務指示の検討に必要な調査	再委託業者調査、基本設計調査業務指示の検討に必要な調査
20	7月9日	金	→香港 8:00 (SA7800) 10:50→東京 16:00 (JL736)	リロングウェ 13:35→ヨハネスブルグ 16:05 (SA171) 17:10→	リロングウェ 13:35→ヨハネスブルグ 16:05 (SA171) 17:10→
21	7月10日	土		→香港 12:25 (SA286) 14:30→東京 19:40 (JL732)	→香港 12:25 (SA286) 14:30→東京 19:40 (JL732)

## 資料 3 関係者（面会者）リスト

資料3 関係者（面会者）リスト

水開発省 (Ministry of Water Development)

Mr. Sydney M. Mainala, Director of Water Resources  
Ms. Modesta Banda Kanjaye, Deputy Director of Water Resources (Chief Hydrogeologist)  
Mr. Prince Mleta, Senior Groundwater Development Officer  
Mr. Mc Aubrey S Chirambo, Principal Hydrogeological Research Officer  
Mr. Ganizani Matiki, Senior Hydrogeologist  
Mr. Macpherson Nkhata, Hydrogeologist  
Mr. Ronald Chiwaula, Hydrogeological Officer  
Mr. Nefitak Mndima, Assistant Hydrogeologist  
Mr. Hudgeson K. M. Muhezuwa, Principal Community Water Supply & Sanitation Officer  
Mr. Alfred Kutengule, Economist  
Ms. Emma Mbalame, Head of Regional Water Development Office (Central Region)  
Mr. Oliver Phiri, Community Water Supply Officer, Regional Water Development Office (Central Region)  
Mr. Collings Chivanga, Assistant Hydrogeologist, Regional Water Development Office (Central Region)  
Mr. R. D. Botoman, Mechanic, Regional Water Development Office (Central Region)  
Mr. Mutari, Chief of Groundwater Office of Mchinji District

財務省 (Ministry of Finance)

Mr. Soko, Director of Debt & Aid Management

天然資源・環境省 (Ministry of Natural Resources and Environmental Affairs)

Mr. Alexander M. Kathewela, Environmental Geologist, Regional Geological Survey Department (Central Region)

Water Aid (NGO)

Mr. Isaac Kalilombe  
Mr. Simon Msukwa

Inter Aide (NGO)

Mr. Emanuel Chaponnière

在ザンビア日本大使館 (マラウイを兼轄)

古賀 達朗 一等書記官  
財津 知亨 二等書記官

JICA マラウイ事務所

加藤 高史 所長  
村瀬 達哉 次長  
松島 恭範 企画調査員  
Mr. Evans Kachale, Aid Coordinator

## 資料 4 当該国の社会経済状況



資料4 当該国の社会経済状況

	指標項目	1989年	1999年	2000年	2001年	2001年の 地域平均値
社会 指標 等	国土面積 (1000 km <sup>2</sup> )	94	94	94	94	n.a.
	人口 (百万人)	8.2	10.1	10.3	10.5	673.9
	人口増加率 (%)	3.1	2.1	2.1	2.0	2.3
	出生時平均余命 (歳)	n.a.	n.a.	39	38	46
	妊産婦死亡率 ( / 10万人)	n.a.	n.a.	n.a.	1120(90-98)	n.a.
	乳児死亡率 ( / 1000人)	n.a.	n.a.	117.0	114.0	105.4
	一人当たりカロリー摂取量 (kcal/1日) *1	1,951	2,159	2,166	2,168	2,229
	初等教育総就学率(男)(%)	n.a.	136.7	138.6	n.a.	n.a.
	(女)(%)	n.a.	132.6	135.3	n.a.	n.a.
	中等教育総就学率(男)(%)	n.a.	49.0	40.5	n.a.	n.a.
	(女)(%)	n.a.	34.9	30.8	n.a.	n.a.
	高等教育総就学率(%)	n.a.	n.a.	n.a.	n.a.	n.a.
	成人非識字率 (15歳以上の人口の内: %)	48.9	40.7	39.9	39.0	37.7
	絶対的貧困水準 (1日1\$以下の人口比: %)	n.a.	n.a.	n.a.	41.7(97-98)	n.a.
	失業率(%)	n.a.	n.a.	n.a.	n.a.	n.a.
経 済 指 標	GDP (百万USドル)	1,590	1,810	1,707	1,749	315,705
	一人当たりGNI (USドル)	180	190	170	160	460
	実質GDP成長率(%)	1.3	4.0	1.7	-1.5	2.9
	産業構造 (対GDP比: %)					
	農業	47.7	35.4	36.5	34.0	16.1
	工業	27.9	17.9	17.4	17.9	28.3
	サービス業	24.4	46.7	46.0	48.1	55.6
	産業別成長率(%)					
	農業	2.4	11.2	5.7	-8.5	2.9
	工業	8.0	2.5	-0.5	1.1	3.2
	サービス業	3.5	2.6	0.7	2.6	3.3
	消費者物価上昇率 (インフレ: %)	12.5	44.8	29.6	27.2	n.a.
	財政収支 (対GDP比: %)	-2.7	n.a.	n.a.	n.a.	n.a.
	輸出成長率 (金額: %)	-14.9	-15.1	-5.7	3.7	4.8
	輸入成長率 (金額: %)	21.3	14.3	-16.4	4.7	8.3
	経常収支 (対GDP比: %)	-3.2	-36.6	-31.9	-30.4	n.a.
	外国直接投資純流入額 (百万ドル)	9.3	60.0	45.0	58.4	13,814.7
	総資本形成率 (対GDP比: %)	24.6	14.8	12.5	10.9	17.7
	貯蓄率 (対GDP比: %)	8.8	-0.2	0.5	-1.0	16.5
	対外債務残高 (対GNI比: %)	6.2	3.9	3.5	2.3	4.5
	DSR (対外債務返済比率: %)	30.9	12.6	11.7	7.8	11.2
外貨準備高 (対輸入月比: %)	2.4	2.5	2.9	2.4	8.1	
名目対ドル為替レート*2	2.7595	44.0881	59.5438	72.1973	n.a.	
	(通貨単位: クワチャ Kwacha)					

政\*3 政治体制: 共和制。大統領が最高権力者  
 憲法: 1995年5月18日新憲法公布  
 元首: 大統領。ビンゴ・ムリカ (Bingu wa MUTHARIKA)。直接選挙制。任期5年。2004年5月24日就任。  
 議会: 1院制。193議席。直接選挙制。任期5年

出典 World Development Indicators CD-ROM 2003 World Bank

\*1 FAO Food Balance Sheets 2003年6月 FAO Homepage

\*2 International Financial Statistics Yearbook 2002 IMF

\*3 世界年鑑 2004 共同通信社、在日マラウイ大使館 2004年6月

注 ● ( )に示されている数値は調査年を示す。(90-98)と示されている場合は1990年度から98年度までの間の最新値を示す

● 「人口」、「GDP」及び「外国直接投資純流入額」の「2001年の地域平均値」においては、地域の総数を示す

● 地域はサブサハラ・アフリカ。ただし「一人当たりカロリー摂取量」における地域はサハラ以南のアフリカ

● 就学率が100を超えているのは、学齢人口推計値と実際の就学データの間になずれがあるため

政府歳入・歳出 [マラウイ]

	2000年 (百万マラウイ)	2001年 (百万マラウイ)	2002年 Rev. Proj. (百万マラウイ)	2002年 Rev. Proj. (百万US\$)*	2002年 対GDP比**
歳入+贈与受取額	31,233	32,093	43,153	562.7	29.6%
歳入	20,880	22,663	27,144	354.0	18.6%
租税収入	19,235	20,168	24,259	316.3	16.6%
非税収入	1,695	2,495	2,885	37.6	2.0%
贈与受取額	10,353	9,429	16,009	208.8	11.0%
歳出+純貸付額	37,887	44,143	48,174	628.2	33.0%
歳出	37,303	44,143	48,174	628.2	33.0%
經常歳出	25,772	33,157	35,735	466.0	24.5%
開発歳出	11,530	10,986	12,439	162.2	8.5%
純貸付額	584	0	0	0.0	0.0%
財政収支	-6,654	-12,050	-5,020	-65.5	-3.4%

歳出内訳 [マラウイ]

	2000年 (百万マラウイ)	2001年 (百万マラウイ)	2002年 Rev. Proj. (百万マラウイ)	2002年 Rev. Proj. (百万US\$)*	2002年	
					内訳	対GDP比**
歳出	37,303	44,143	48,174	628.2	100.0%	33.0%
一般サービス	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
国防	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
公安	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
教育	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
保健・医療	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
社会保障・福祉	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
住宅・生活関連施設	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
レクリエーション・文化	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
エネルギー	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
農林水産業	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
鉱工業・建設業	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
運輸・通信	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
その他	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

会計年度は4月-3月

\*: 対ドル換算レートはOfficial Rate, Period Average 出典はInternational Financial Statistics Yearbook 2003 IMF

\*\* : GDPの出典はThe World Economic Outlook 2004 IMF Homepage

出典 IMF Country Report No.02/196 September 2002

JICAの対マラウイ技術協力

通貨単位	1998年度	1999年度	2000年度	2001年度	2002年度	累計
億円	16.77	16.90	14.53	15.41	14.55	231.33
百万ドル	12.81	14.84	13.48	12.68	11.61	

注: 年の区切りは日本の会計年度(4月-3月)。また対ドル換算レートはOECD Homepageによる。

出典 JICA実績表 2003年3月 国際協力機構

我が国の対マラウイODA実績

(単位: 百万ドル)

暦年	贈与				政府貸付				合計
	無償資金協力	技術協力	計		支出総額	支出純額			
97	8.72 (25)	12.72 (36)	21.45	(61)	20.00	13.69	(39)	35.13 (100)	
98	41.37 (-)	12.30 (-)	53.66	(-)	-	-6.25	(-)	47.41 (100)	
99	27.12 (-)	14.56 (-)	41.68	(-)	-	-7.64	(-)	34.04 (100)	
2000	33.02 (-)	15.44 (-)	48.46	(-)	-	-9.93	(-)	38.53 (100)	
2001	14.26 (-)	12.42 (-)	26.67	(-)	-	-8.38	(-)	18.29 (100)	
累計	314.31 (47)	165.96 (25)	480.26	(71)	255.86	195.48	(29)	675.71 (100)	

注: 年の区切りは1月-12月の暦年。

( )内はODA合計に占める各形態の割合(%)

出典 ODA国別データブック2002 外務省

DAC諸国・国際機関の対マラウイODA実績

(支出純額、単位: 百万ドル)

暦年	1位	2位	3位	4位	5位	うち日本	合計
98	英国 56.7	日本 47.4	ドイツ 25.5	デンマーク 22.6	米国 19.7	47.4	203.6
99	英国 77.3	日本 34.0	ドイツ 28.7	デンマーク 28.4	米国 27.8	34.0	227.7
2000	英国 96.9	米国 59.3	日本 38.5	ドイツ 25.5	カナダ 6.7	38.5	269.2

暦年	1位	2位	3位	4位	5位	その他	合計
98	IDA 119.7	CEC 75.7	AfDF 15.0	UNDP 9.7	UNFPA 3.2	6.8	230.2
99	CEC 89.0	IDA 74.6	AfDF 30.8	UNDP 7.7	UNICEF 4.1	8.1	214.3
2000	IDA 81.2	CEC 48.9	AfDF 16.1	IFAD 4.1	UNICEF 3.9	16.7	170.9

注: 年の区切りは1月-12月の暦年。

出典 ODA国別データブック2002 外務省

## 資料 5 討議議事録 (M/D)

MINUTES OF DISCUSSIONS  
ON THE PRELIMINARY STUDY  
ON THE PROJECT FOR GROUNDWATER DEVELOPMENT IN LILONGWE WEST  
IN THE REPUBLIC OF MALAWI

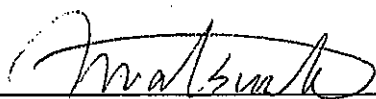
In response to the request from the Government of the Republic of Malawi ( hereinafter referred to as "Malawi" ), the Government of Japan decided to conduct a Preliminary Study on the Project for Groundwater Development in Lilongwe West ( hereinafter referred to as "the Project" ) and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Malawi the Preliminary Study Team (hereinafter referred to as "the Team" ), which is headed by Mr. Shigeyuki Matsumoto, Water and Sanitation Team, Project Management Group I, Grant Aid Management Department, JICA, and is scheduled to stay in the country from June 21 to July 9.

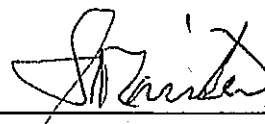
The Team held discussions with the officials concerned of the Government of Malawi and conducted a field survey at the study area.

In the course of the discussions and field survey, both parties confirmed the main items described on the attached sheets. Subject to the decision by the Government of Japan, JICA will conduct a Basic Design Study on the Project.

Lilongwe, July 5, 2004



Mr. Shigeyuki Matsumoto  
Leader  
Preliminary Study Team  
Japan International Cooperation Agency  
Japan



Mr. Sydney M. Mainala  
Director of Water Resources  
Ministry of Water Development  
Republic of Malawi

## ATTACHMENT

### 1. Objective of the Project

The objective of the Project is to improve the health and living standard of the people who live in Lilongwe West by providing potable water through procurement of equipment and development of water supply facilities.

### 2. Project sites

The sites of the Project are Traditional Authority (TA) Kalolo and Khongoni in Lilongwe District, Central Region. The location of the sites is shown in Annex-1.

### 3. Responsible and Implementing Agency

3-1. The Responsible Agency is Ministry of Water Development.

3-2. The Implementing Agency is Department of Water Resources.

The organization chart is shown in Annex-2.

### 4. Items requested by the Government of Malawi

After discussions with the Team, the items described in Annex-3 were finally requested by the Malawian side. Requested villages are listed in Annex-4. The Malawian side additionally requested two units of computer to formulate a digitized well inventory from existing paper-based data. JICA will assess the appropriateness of the request and will report the findings to the Government of Japan.

### 5. Japan's Grant Aid Scheme

5-1. The Malawian side understands the Japan's Grant Aid Scheme explained by the Team, as described in Annex-5.

5-2. The Malawian side will take the necessary measures for smooth implementation of the Project, as a condition for the Japanese Grant Aid to be implemented.

### 6. Schedule of the Study

If the Project is found feasible as a result of the Preliminary Study, JICA will send the Basic Design Study Team around November, 2004.

### 7. Other relevant issues

### 7-1. Overall framework of rural water supply and groundwater development in Malawi

The Malawian side explained that the Malawi Poverty Reduction Strategy Paper (PRSP) had set the target to raise water supply coverage from 65.5 % to 84% by the year 2005. In order to accomplish this target, the Malawian Government has been conducting the 7,000 Boreholes Construction Program. So far 6,087 boreholes (87% of the target number) have been constructed. The Malawian side will continue construction by seeking donors and harnessing local resources.

The Malawian Government has steadily advanced groundwater development projects and fully utilizes 5 sets of drilling rig procured by past Japanese Grant Aid, but due to the budgetary constraints, there remain a lot of needs to be fulfilled. The Project is expected to make contribution to this situation.

### 7-2. Responsible and implementing agency

The new Malawian president, elected in May, has expressed the policy to decrease the number of ministries. Although the situation is uncertain so far, it might lead to a reorganization of the Ministry of Water Development.

The Team requested the Malawian side to keep the JICA Malawi Office informed of the above-mentioned policy action. The Team explained that even if the Project was found feasible as a result of the Preliminary Study, the next step, the Basic Design Study, should be launched after the responsible and implementing agency was settled.

### 7-3. Justification of the project site

The Malawian Government and its cooperating stakeholders are conducting the water point mapping called "Halving the Proportion of People without Access to Safe Water by 2015 – A Malawian Perspective". This inventory survey has already covered 1.5 million people in 35 Traditional Areas and 6 Districts, which is equivalent to 18% of the rural population of Malawi. The Project site, Lilongwe West, turned out to be the worst area with water supply coverage ratio of only 26%. This situation occurs presumably because no major water supply project has been done in this area.

The Team visited several villages in the Project site and found that people commonly used unprotected shallow wells and many patients of cholera and diarrhea had been observed. Hydrogeological condition is preferable for groundwater development and access is easy at least in dry season. The area is one of the most important and promising agricultural zones in Malawi cultivating mainly tobacco and maize.

Considering the above-mentioned present situation and observation results, the Project site,

Lilongwe West, is deemed appropriate selection for groundwater development project.

#### 7-4. Priority component of the Project

The Malawian side requested procurement of equipment including a set of drilling rig, borehole construction and technical support on Community Based Management (CBM) as components of the Project.

The Malawian side explained that a new drilling rig was necessary not only for this Project but also for other future programs. Existing 5 sets of drilling rig are well utilized but still insufficient in number to meet the vast needs of borehole construction. Private contractors are too expensive and government-owned machines can be operated by lower cost and quickly applied to emergency cases such as rescue for cholera-infected areas and flood-prone areas. The Team will consider the request through assessing preconceptual construction and equipment mobilization plan of the Project, operation and maintenance ability and possibility of future effective use. The Team also pointed out that the existing equipment procured by past Japanese Grant Aid should be also utilized in the Project.

As for the borehole construction, the Malawian side explained that the unit price of borehole construction used in the request submitted by the Malawian Government was local price when ordered to private contractors. The Team explained that the unit price of boreholes constructed under Japanese Grant Aid was quite likely to be more expensive than that of local contractors and NGOs. The Malawian side recognized this point and expressed that they highly evaluated the quality and sustainability of boreholes constructed by the previous Japanese Grant Aid projects. Upon this recognition, the Malawian side requested construction of boreholes.

Both sides agreed that rehabilitation of boreholes was not included in the request. The Team indicated that though they had observed mal-functional boreholes in Lilongwe West, the most common reason of breakdown seemed to be minor failure of handpumps and they should be solved by villagers in the context of CBM.

#### 7-5. Village selection

The Team explained that considering scale of Grant Aid and limited time period for the Basic Design Study, the number of villages to be surveyed in the Basic Design Study should be limited to around 250. The Malawian side agreed and promised to prepare a village list during the Team's stay.

The Team proposed criteria for village selection as follows and obtained a consensus of the Malawian side:

- 1) Villages with quite inadequate water supply conditions and urgent needs of improvement

should be prioritized,

- 2) Village people should have positive willingness for CBM of a water supply facility,
- 3) Groundwater development should be possible from the view point of hydrogeology,
- 4) There should be no duplication with other organization's project,
- 5) Villages should be accessible by heavy equipment like a drilling rig or become accessible under responsibility of the Malawian side,
- 6) Populous villages should be prioritized considering cost effectiveness and capability of fund-raising for operation and maintenance.

The Team strongly requested the Malawian side to coordinate their rural water supply projects with other organizations including MASAF and NGOs to avoid duplication.

The Team explained that not all the target villages for Basic Design Study would become target villages for construction because selection process would be underway during the Basic Design stage from the technical point of view. So explanation to villagers should be carefully managed to avoid excessive expectation.

#### 7-6. Technical assistance

The Malawian side explained that they requested technical assistance on CBM because the experience of CBM was still insufficient and more extension workers should be trained. The Team agreed to the importance of CBM approach and indicated following three points based on the observation through the field survey:

- 1) It is important to continue monitoring (follow-up) activities by extension workers after construction in order to provide appropriate guidance to villagers (especially Village Health Water Committees and Water Point Committees) and keep their motivation,
- 2) It is necessary to motivate villagers with mal-functional boreholes in order to rehabilitate boreholes and meet the target set in the PRSP,
- 3) It is desirable to inherit achievement and lessons of CBM promotion conducted in the Project for Development of Groundwater in Lilongwe-Dedza.

Necessity and detailed contents of the technical assistance should be examined further.

#### 7-7. Status of the Preliminary Study

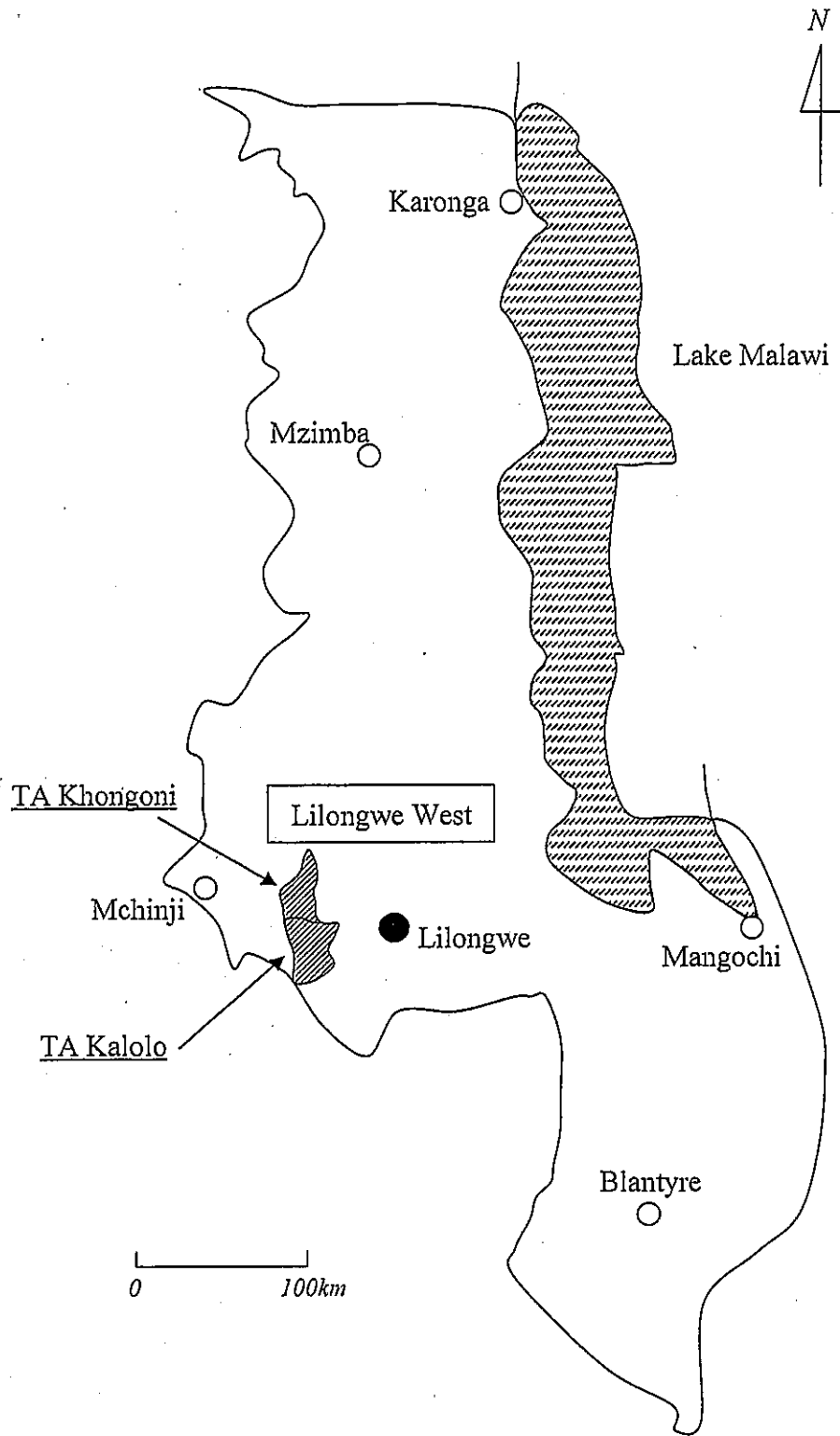
The Team explained that the purpose of the Preliminary Survey was to collect information to verify the appropriateness of the requested Project and no commitment was made from the Japanese side concerning the realization of the Project. The Malawian side understood this status of the Preliminary Study.

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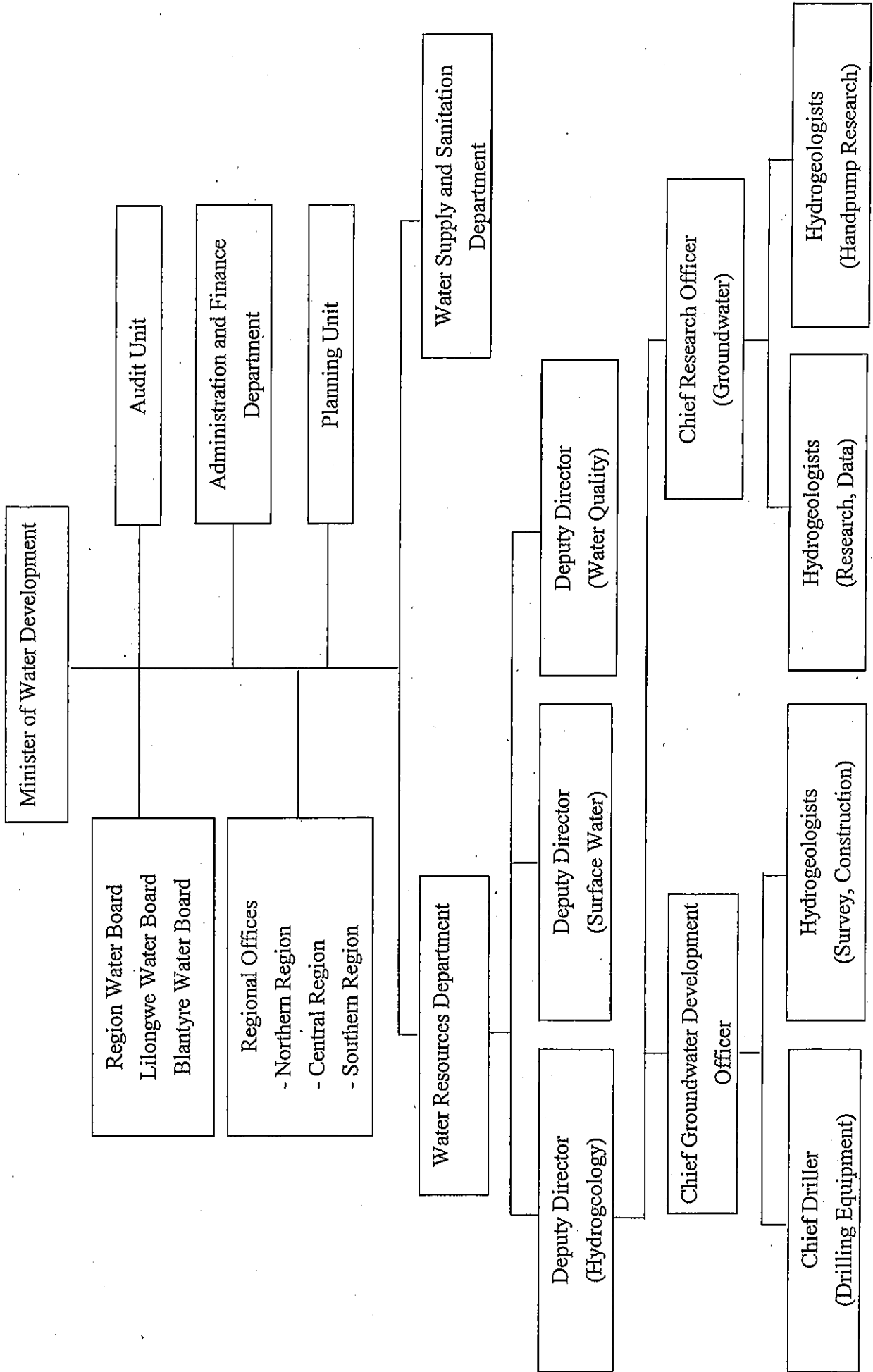
ANNEX-1 : Project Sites



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ANNEX-2 : Organization Chart of the Ministry of Water Development



ANNEX-3 : Items requested by the Malawian side

The main requested component of the Project is as follows:

(1) Construction of boreholes

500 boreholes including apron, drain and washing slab

(2) Procurement of equipment

1) Drilling rig (truck mounted, 4 x 4)	1 unit
2) High pressure air compressor (truck mounted, 4 x 4)	1 unit
3) Mobile well development unit (4 x 4)	1 unit
4) Pumping test equipment	1 lot
5) Cargo truck with 5-ton crane (4 x 4)	1 unit
6) Cargo truck with 3-ton crane (4 x 4)	1 unit
7) Pick-up type light vehicle (single cabin, 4 x 4)	1 unit
8) Pick-up type light vehicle (double cabin, 4 x 4)	1 unit
9) Motorcycle	3 units
10) Global positioning system (GPS)	2 units
11) Water tank	1 unit
12) Fuel tank	1 unit
13) Telecommunication equipment	1 lot
14) Hand pump (Afridev type)	1 lot
15) Well casing and screen pipe	1 lot
16) Spare parts for the above equipment	1 lot
17) Repair parts and tools for the existing equipment supplied in the past groundwater development projects under Japanese aid	1 lot
18) Computer for well inventory	2 units

(3) Technical assistance

- 1) CBM training for 500 committees
- 2) Training of extension workers

**TRADITIONAL AUTHORITY KALOLO  
VILLAGES REQUIRING BOREHOLES - MAPUYU WARD**

G.V.H KALOLO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kansengwa	969	054877/ 8451669	1 B/hole required	
2	Dzuluwanda	420	0541604/ 8449539	1 B/hole required	
3	Chidzenje	304	0541876/ 8453100	1 B/hole required	
4	Kamangira	599	0540972/ 8454500	1 B/hole required	
5	Guli-guli	1,497	0543604/ 8454702	1 B/hole required	
6	Nkhwambala	420	0543957/ 8449584	1 B/hole required	
7	Chiziko	1,301	0545055/ 8451748	1 B/hole required	
8	Nkhata	769	0546715/ 8452767	1 B/hole required	

G.V.H. NYEMBA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kampala	52 HH (314)		1 B/hole required	
2	Chinsenga	68 HH (336)		1 B/hole required	
3	Mthiko	72 HH (360)		1 B/hole required	
4	Mnkhowe	199 HH (490)		1 B/hole required	
5	Mchilawankhondo	57 HH (387)		1 B/hole required	
6	Chisikwa	250 HH (1250)		1 B/hole available 1 B/hole required	

G.V.H. CHIBUNGO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chibungo	334 HH (1670)		1 B/hole required	
2	Muyala	94 HH (471)		B/hole needs rehab. 1 B/hole required	
3	Phulamazira	200 HH (858)		1 B/hole required	
4	Gome	77 HH (539)		1 B/hole required	
5	Mpingo II	200 HH (1200)		1 B/hole required	
6	Kabwana	80 HH (1080)		1 B/hole available 1 B/hole required	
7	Madika	70 HH (490)		1 B/hole required	
8	Mzungu	62 HH (434)		1 B/hole required	
9	Mwagongonda	188 HH (1316)		1 B/hole required	
10	Mnjeza	64 HH (448)		1 B/hole required	
11	Pasankhwa	40 HH (280)		1 B/hole required	

G.V.H. CHITUWI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chituwi	47 HH (490)		1 B/hole required	
2	Chakumbutsa	52 HH (364)		1 B/hole required	
3	Chilembwe	52 HH (312)		1 B/hole required	
4	Kanyoni	60 HH (422)		1 B/hole required	
5	Chisani	39 HH (273)		1 B/hole required	
6	Chitapangombe	84 HH (588)		1 B/hole required	
7	Kumtsizi	69 HH (483)		1 B/hole required	
8	Kamkuwe	56 HH (392)		1 B/hole required	

G.V.H. MPHAMBA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Sinsinja	70 HH (352)		1 B/hole required	
2	Mandindi	39 HH (1234)		1 B/hole required	
3	Ngalazuka	76 HH (450)		1 B/hole required	
4	Kamatira	94 HH (562)		1 B/hole required	
5	Dambo	95 HH (573)		1 B/hole required	

VILLAGES REQUIRING BOREHOLES - KAMANZI WARD

G.V.H. CHAKUZAMUTU	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	V.H. Makala	2,100	0537332/ 08446542	Too big 1 B/hole required	
2	V.H. Mizati	420	0539233/ 08444876	1 B/hole required	
3	V.H. Chipira Msanga	315	0536857/ 08447413	1 B/hole required	
4	V.H. Masekese	420	0539696/ 08447683	1 B/hole required	
5	V.H. Chipira Kakoma	1,880	0538341/ 08448447	1 B/hole required	
6	V.H. Guli-guli I	455	0538023/ 08445548	1 B/hole required	
7	V.H. Chamoto	1,112	0543308/ 08441784	1 B/hole required	
8	V.H. Kaziputa	690	0540530/ 8443835	1 B/hole required	
9	V.H. Geremani	1,120	0541989/ 8446757	1 B/hole required	

G.V.H. MKUWIRA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	V.H. Mkuwira	2,940	0544233/ 8438117	T/C B/hole available 1 B/hole required	
2	V.H. Nyanda	1,460	0542118/ 8437240	1 B/hole required	
3	V.H. Muzayani	549	0541286/ 8437918	1 B/hole required	
4	V.H. Chingóna	464	0543864 8440238	1 B/hole required	
5	V.H. Mzokoto	1,050	0545210/ 8439364	1 B/hole required	
6	V.H. Lawudani	770	0544452/ 8437427	1 B/hole required	
7	V.H. Kalongopywera	749	054224/ 843754	1 B/hole required	
8	Mgulula	740	0546596/ 8438639	1 B/hole required	
9	Mtsinambuto - Kalata	359	0547110/ 8439314	1 B/hole required	

G.V.H. CHADZA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	V.H. Chadza	100HH (562)		Borehole available 1 B/hole required	
2	V.H. Mawulana-Mkuwamba	329 + 149	0542156/ 8440065	1 B/hole required	
3	V.H. Ntchisi	315	0541531/ 8439476	1 B/hole required	
4	V.H. Mchawa	86 HH (512)	0541508/ 8443041	1 B/hole required	
5	V.H. Mlinga	49 HH (343)	0541091/ 8442788	1 B/hole required	
6	V.H. Psyipe	34 HH (235)	0542374/ 8442291	1 B/hole required	
7	V.H. Chingondo	74 HH (371)	0543198/ 8443370	1 B/hole required	

G.V.H. CHIPANGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	V.H. Chipanga	50 HH		1 B/hole required	
2	V.H. Mchombo	47 HH		1 B/hole required	
3	V.H. M'bangombe	60 HH		1 B/hole required	
4	V.H. Mlera	60 HH		1 B/hole required	
5	V.H. Kamkwete	50 HH		1 B/hole required	
6	V.H. Andiseni	48 HH		1 B/hole required	

#### VILLAGES REQUIRING BOREHOLES - KAPATSA WARD

G.V.H. SINUMBE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Nyozwe	200 HH (1400)		1 B/hole required	
2	Sungamanja	109 HH (545)		1 B/hole required	
3	Mapira	104 HH (520)		1 B/hole required	
4	Kango	250 HH (1259)		1 B/hole required	
5	Chigwasa	90 HH (950)		1 B/hole required	
6	Chapota	91 HH (540)		1 B/hole required	
7	Chilomo	190 HH (1146)		1 B/hole required	
8	Gwani	99 HH (496)		1 B/hole required	
9	Kangulu	145 HH (725)		1 B/hole required	
10	Chimbwala	97 HH (482)		1 B/hole required	
11	Sinumbe	47 HH (329)		1 B/hole required	

G.V.H. LIWINGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Sosola	55 HH (385)		1 B/hole required	
2	Jamu	62 HH (310)		1 B/hole required	
3	Sankhulani	46 HH (323)		1 B/hole required	

G.V.H. DZAMA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Dzama	72 HH (432)		1 B/hole required	
2	Yotamu	72 HH (432)		1 B/hole required	
3	Kanyopola	61 HH (429)		1 B/hole required	
4	Chafuta	52 HH (370)		1 B/hole required	
5	Jonasi	63 HH (443)		1 B/hole required	
6	Chinkhata	59 HH (415)		1 B/hole required	

G.V.H. LEMWE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kwezani	39 HH (348)		1 B/hole required	
2	Makoka	58 HH (354)		1 B/hole required	
3	Kalichelo	47 HH (329)		1 B/hole required	
4	Mthyothyo	70 HH (420)		1 B/hole required	
5	Chilima	54 HH (326)		1 B/hole required	
6	Jolamu	34 HH (238)		1 B/hole required	
7	Lusha	49 HH (343)		1 B/hole required	
8	Nyangulu	41 HH (284)		1 B/hole required	
9	Khoswe	34 HH (240)		1 B/hole required	

#### VILLAGES REQUIRING BOREHOLES - NYANJA WARD

G.V.H. CHIKUDZULIRE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Dzinja	43 HH (300)		1 B/hole required	
2	Mkanda	57 HH (341)		1 B/hole required	
3	Kadzani	72 HH (500)		1 B/hole required	
4	Mkoko	81 HH (482)		1 B/hole required	

G.V.H. SINUMBE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kafunde	100 HH (700)		1 B/hole required	
2	Mpondamwala	76 HH (456)		1 B/hole required	
3	Kathumba	107 HH (642)		1 B/hole required	
4	Zuwande	97 HH (582)		1 B/hole required	

#### VILLAGES REQUIRING BOREHOLES - KACHAWA WARD

G.V.H. CHINKHUNDA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chinkhunda Mnkawila	49 HH (340)		1 B/hole required	
2	Dzowole	50 HH (344)		1 B/hole required	
3	Kalonga	71 HH (426)		1 B/hole required	
4	Wotchi	42 HH (293)		1 B/hole required	
5	Thomasi	40 HH (289)		1 B/hole required	
6	Kwenje	61 HH (366)		1 B/hole required	
7	Chizula	72 HH (490)		1 B/hole required	
8	Semu	63 HH (369)		1 B/hole required	
9	Khwema	78 HH (538)		1 B/hole required	
10	Mdabwiji Bokola	65 HH (387)		1 B/hole required	

G.V.H. CHIMSOLO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mliwu	69 HH (470)		1 B/hole required	
2	Dovu	35 HH (250)		1 B/hole required	
3	Chithangile	57 HH (380)		1 B/hole required	
4	Madumza	33 HH (234)		1 B/hole required	
5	Setezani	45 HH (295)		1 B/hole required	
6	Mphoyo	35 HH (243)		1 B/hole required	

G.V.H. MASUMBA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Samijoni	31 HH (219)		1 B/hole required	
2	Manthalu	50 HH (347)		1 B/hole required	
3	Chaponda	71 HH (423)		1 B/hole required	
4	Chitini	32 HH (231)		1 B/hole required	
5	Pitilosi	47 HH (236)		1 B/hole required	

6	Manjawila	51 HH (349)		1 B/hole required	
7	Chikalipo	68 HH (341)		1 B/hole required	
8	Lendemani	99 HH (493)		1 B/hole required	
9	Dziko	31 HH (220)		1 B/hole required	

G.V.H. MPHUNDA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Malumbila	64 HH (322)		1 B/hole required	
2	Mkozomba	67 HH (336)		1 B/hole required	
3	Mkanthama	71 HH (356)		1 B/hole required	
4	Zakaliya	62 HH (309)		1 B/hole required	
5	Chipozongo	59 HH (297)		1 B/hole required	
6	Mndawula	40 HH (245)		1 B/hole required	
7	Chisindo	42 HH (215)		1 B/hole required	
8	Palimtima	67 HH (400)		1 B/hole required	
9	Makanga	59 HH (295)		1 B/hole required	
10	Gundamtengo	46 HH (274)		1 B/hole required	
11	Chimlota	61HH (307)		1 B/hole required	
12	Chibweza	42 HH (251)		1 B/hole required	
13	Chasa	52 HH (125)		1 B/hole required	
14	Mndulu	69 HH (343)		1 B/hole required	



## VILLAGES REQUIRING BOREHOLES - G.V.H. KHONGONI

G.V.H. KHONGONI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Khongoni	351		1 B/hole required	
2	Kambuyawa	650		1 B/hole required	
3	Mbalame	67 HH 303		1 B/hole required	
4	Kanjanja	320		1 B/hole required	
5	Kafanikhale	35 HH 201		1 B/hole required	
6	Kanzota	56 HH 240		1 B/hole required	
7	Masitala - Maria	28 HH 320		1 B/hole required	
8	Levi	300		1 B/hole required	
9	Mweziwauma	70 HH 350		1 B/hole required	
10	Mandelo-Mika	40 HH 320		1 B/hole required	
11	Chateka II	37 HH 290		1 B/hole required	
12	Kachilikiza	350		1 B/hole required	

G.V.H. MSINDE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Msinde	34 HH 250		1 B/hole required	
2	Benjamani	37 HH 300		1 B/hole required	
3	Utabwalero	74 HH 230		1 B/hole required	
4	Chisumphi	64 HH 225		1 B/hole required	
5	Chiwoko	80 HH 220		1 B/hole required	
6	Biliyati - Tenge	21 HH 228		1 B/hole required	
7	Chabvunga I	74 HH 240		1 B/hole required	
8	Chabvunga Tchemba	52 HH 225		1 B/hole required	
9	Bisayi	20 HH 251		1 B/hole required	
10	Chiwanga	17 HH 266		1 B/hole required	
11	Chilalo	40 HH 290		1 B/hole required	
12	Nkhombokombo	44 HH 300		1 B/hole required	
13	Mkwapa	280		1 B/hole required	
14	Waya	90 HH 299		1 B/hole available 1 B/hole required	
15	Chimbwi	234 HH 234		1 B/hole required	
16	Kangunje	52 HH 271		B/hole needs rehab. 1 B/hole required	
17	Chiponde	38 HH 228		1 B/hole required	

G.V.H. MATEKWE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Matekwe	261		1 B/hole required	
2	Kantugwala-Chimpesi	56 HH 460		2 B/holes required	
3	Mmbamwana	45 HH 300		1 B/hole required	
4	Mkhuta	379		1 B/hole required	
5	Kaphukira	220		1 B/hole required	
6	Kambudzi	989		1 B/hole available 2 B/holes required	
7	Chitindi	480		2 B/holes required	
8	Salima	56 HH 447		B/hole needs rehab. 2 B/holes required	
9	Kapudzama	95 HH 780		B/hole needs rehab. 2 B/holes required	
10	Chalonga	89 HH 1058		B/hole needs rehab. 3 B/holes required	
11	Chaipa-Mnjale	450		2 B/holes required	

12	Mawele	230		1 B/hole available	
13	Mitabvu	450		1 B/hole available 2 B/holes required	
13	Imfa	500		1 B/hole available 2 B/holes required	
14	Chithemba	380		B/hole needs rehab. 1 B/hole required	

G.V.H. VIZIMBA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Vizimba I	250		1 B/hole required	
2	Kansana	230		2 B/holes available	
3	Naferanji	480		1 B/hole available 1 B/hole required	
4	Galangombe	220		B/hole needs rehab. 1 B/hole required	
5	Mpani	230		1 B/hole available 1 B/hole required	
6	Mtambwa	240		1 B/hole required	
7	Njolo	245		1 B/hole required	
8	Lumwira II	225		1 B/hole required	
9	Kambale	250		1 B/hole required	
10	Kwecherani	236		1 B/hole required	
11	Tchabadali	237		1 B/hole required	
12	Chibowa	258		1 B/hole required	
13	Mitala	228		1 B/hole required	
14	Katugwa	350		1 B/hole required	
15	Nyololo	240		1 B/hole required	

G.V.H. NYANGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Nyanga	426		2 B/holes required	
2	Chinzali	44 HH 236		1 B/hole required	
3	Vizimba II	230		1 B/hole required	
4	Kalumbi	418		B/hole needs rehab. 2 B/holes required	

G.V.H. CHIPENI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chipeni	333HH 2000		1 B/hole available 2 B/holes required	
2	Gulumba	107 HH 645		2 B/holes required	
3	Sixpence/Nabuzi	123 HH 750		2 B/holes required	
4	Masantchi/Salale/Chimbaka	142 HH 850		2 B/holes required	
5	Williamu/Jasiteni/Nthochi	105 HH		2 B/holes required	
6	Mapulesi/Labisoni/Kapichila	30 HH 240		1 B/hole required	
7	Mwambakulu/Chinguwo	45 HH 269		1 B/hole required	
8	Zamula/Jere	52 HH 307		1 B/hole required	
9	Nganga/Mtsilo Chifuka	42 HH 249		1 B/hole required	

G.V.H. MALENGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mndimbanazo-Chimbalu	70 HH 331		1 B/hole required	
2	Kamende	20 HH 260		1 B/hole required	
3	Gulo-Chimphwanya I	40 HH 222		1 B/hole required	
4	Chiwaya	14 HH 227		1 B/hole required	
5	Sambani	20 HH 231		1 B/hole required	
6	Kachilikiza	27 HH 239		1 B/hole required	
7	Pambwe	31 HH 220		B/hole needs rehab. 1 B/hole required	
8	Karonga	70 HH 233		1 B/hole required	
9	Makhaza-Dembo	36 HH 203		1 B/hole required	

G.V.H. VUNGUTI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Bulaundi	40 HH		1 B/hole required	

G.V.H. MANGILIRA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mangilira	205 HH 1230		B/hole needs rehab. 3 B/holes required	
2	Mthumba	96 HH 579		2 B/holes required	
3	Zokoto	124 HH 748		2 B/holes required	
4	Kalama	112 HH 670		B/hole needs rehab. 1 B/hole required	
5	Nthondo II - Chimbidzi	50 HH 300		1 B/hole required	
6	Mtoso	40 HH 240		1 B/hole required	
7	Timoti	39 HH 235		1 B/hole required	
8	Chawo	43 HH 257		1 B/hole required	
9	Chimnofu	41 HH 243		1 B/hole required	
10	Mazongoti-Thekenya	51 HH 306		2 B/holes required (1 to share)	
11	Mtembe	40 HH 241		1 B/hole required	
12	Kaluzi-Lamuele	52 HH 314		B/hole needs rehab. 1 B/hole required	
13	Galeta Daimoni Chulu	57 HH 341		1 B/hole required (to share among 3 Villages)	
14	Shawa	39 HH 232		1 B/hole required	
15	Gwetse	39 HH 233		1 B/hole required	
16	Chipwenkha	39 HH 230		1 B/hole required	

G.V.H. TIMKWEJE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Timkweje	42 HH (250)		1 B/hole required	
2	Chilembwe	42 HH (250)		1 B/hole required	

G.V.H. NKHWANGWI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
II 1	Nkhwangwi II	40 HH (240)		1 B/hole required	
2	Mbewa	42 HH (250)		1 B/hole required	
3	Mtabvu	42 HH (250)		1 B/hole required	

G.V.H. CHATEKA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chateka	36 HH 230		B/hole needs rehab. 1 B/hole required	
2	Mtsilo Chisaka	19 HH 290		1 B/hole required	
3	Kambiya	37 HH 240		1 B/hole required	
4	Kasera	17 HH 290		1 B/hole required	
5	Ngolovani	24 HH 240		1 B/hole required	
6	Mbeza	30 HH 280		1 B/hole required	
7	Sikoti	20 HH 271		1 B/hole required	
8	Chatonda- Tuli	23 HH 253		1 B/hole required	
9	Chungu-Tchemba	24 HH 269		1 B/hole required	
10	Chikoma	40 HH 273		1 B/hole required	

G.V.H. KATENJE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Sitambo	55 HH 219		B/hole needs rehab. 1 B/hole required	

G.V.H. MKUWIRA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mkuwira I	52 HH 229		1 B/hole required	
2	Mkuwira II	209		1 B/hole required	
3	Monjo-Mduluza	90 HH 210		2 B/holes required	

G.V.H. KASIYA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kasiya	39 HH 234		1 B/hole required	
2	Mbewa II	58 HH 345		1 B/hole required	
3	Lombwa	42 HH 250		1 B/hole required	
4	Chizewe	66 HH 300		1 B/hole required	
5	Mwachipula	62 HH 372		1 B/hole required	
6	Kakhutantaya-Kalitsilo	83 HH 500		2 B/holes required	
7	Sajiwa	38 HH 230		1 B/hole required	
8	Nthala-Gomani	63 HH 380		1 B/hole required	
9	Bitoni	40 HH 238		1 B/hole required	
10	Mtswati	78 HH 478		2 B/holes required	

G.V.H. KASANDA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chimkwapa	230		1 B/hole required	
2	Chonde	240		1 B/hole required	
3	Mphandu	235		1 B/hole required	

G.V.H. MTSWATI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mtswati	40 HH 230		Broken B/hole 1 B/hole required	
2	Mafuta	50 HH		1 B/hole required	
3	Mtauka	30 HH		B/hole needs rehab. 1 B/hole required	
4	Nyanda Chipuka	38 HH		B/hole needs rehab. 1 B/hole required	
5	Kanjuluwende	280		B/hole needs rehab. 1 B/hole required	
6	Pashane Nkhulange	70 HH		1 B/hole required	

G.V.H. JAUZALE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kamphangale	40 HH (280)		1 B/hole required	
2	Tchendekutuwa	45 HH (271)		1 B/hole required	
3	Kabudula	57 HH (390)		Broken B/hole 1 B/hole required	
4	Mphangula	45 HH (272)		1 B/hole required	
5	Chambala I	40 HH (280)		B/hole needs rehab. 1 B/hole required	
6	Pute	42 HH (252)		1 B/hole required	
7	Chinthuta	46 HH (230)		1 B/hole required	

G.V.H. MSTINDO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mstindo II	51 HH (250)		1 B/hole required	
2	Elefani	41 HH (245)		1 B/hole required	
3	Ndaya	40 HH (241)		1 B/hole required	
4	Ziyendammanja	70 HH (350)		1 B/hole required	
5	Yeneya	32 HH (222)		1 B/hole required	
6	Kachelenga	38 HH (228)		1 B/hole required	

G.V.H. MADZONGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Madzonga	117 HH (700)		2 B/holes available 1 B/hole required	
2	Mgulumula	11 HH (460)		1 B/hole required	
3	Mnkhunungu	71 HH (430)		Broken B/hole water quality not good. 1 B/hole required	
4	Chikweteza	56 HH (333)		1 B/hole required	
5	Mlamba - Makina	89 HH (535)		2 B/holes required	
6	Mwadzimbi	110 HH (660)		2 B/holes required	
7	Chimphepo	57 HH (340)		1 B/hole required	

G.V.H. NDALAMA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Ndalama/Chisaka	35 HH (254)		1 B/hole required	
2	Njombiro Chiuzeni II	59 HH		1 B/hole required	
3	Malowo	32 HH (230)		1 B/hole required	
4	Chibwalo	41 HH (306)		1 B/hole required	
5	Mzuza	32 HH (225)		1 B/hole required	
6	Kalipande	42 HH (300)		1 B/hole required	
7	Kachipanda	42 HH (301)		1 B/hole required	
8	Binisoni/Chule	33 HH (228)		1 B/hole required	
9	Josamu	30 HH (224)		1 B/hole required	

G.V.H. MTAYAMATALALA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mtayamatalala	40 HH (278)		1 B/hole required	
2	Magolowondo	42 HH (251)		1 B/hole required	
3	Mkwekwete	42 HH (253)		Broken B/hole 1 B/hole required	
4	Mofati	39 HH (234)		1 B/hole required	

G.V.H. BONDO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Bondo	56 HH (365)		1 B/hole required	
2	Mkuweya	32 HH (224)		1 B/hole required	
3	Chakale/Thanthwe	30 HH (241)		1 B/hole required	
4	Kamtande Chilalo	31 HH (236)		1 B/hole required	
5	Kafiti	36 HH (227)		1 B/hole required	
6	Chikusa	30 HH (229)		1 B/hole required	

G.V.H. CHIMTOLO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chimtollo	30 HH (208)		B/hole needs rehab. 1 B/hole required	
2	Chikwa	40 HH (300)		1 B/hole required	
3	Kazambala	41 HH (315)		1 B/hole required	
4	Sikisi	31 HH (230)		1 B/hole required	
5	Chiphesi/Tchima	58 HH (240)		1 B/hole required	

G.V.H. CHIGOWO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chigowo	41 HH (306)		1 B/hole required	
2	Kaphiri	51 HH (450)		1 B/hole required	
3	Mayani	31 HH (260)		1 B/hole required	
4	Mkwenya/Chiliwawa	56 HH (280)		1 B/hole required	
5	Kamtengo	47 HH (360)		1 B/hole required	
6	Misiyasi	33 HH (290)		1 B/hole required	
7	July	34 HH (270)		1 B/hole required	
8	Timoti	191 HH (360)		1 B/hole required	
9	Chadzunda	58 HH (450)		2 B/holes required	
10	Loti	43 HH (370)		1 B/hole required	
11	Chinjili	39 HH (340)		1 B/hole required	

G.V.H. KANJEZA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kanjeza	42 HH (250)		1 B/hole required	
2	Thema	83 HH (500)		2 B/holes required	
3	Nkhoka	73 HH (435)		1 B/hole required	
4	Chilowa	78 HH (478)		2 B/holes required	
5	Katsano	81 HH (488)		2 B/holes required	

G.V.H. SAKALI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Sakali	34 HH (250)		1 B/hole available	
2	Sambo/ Chimtemwende	57HH		1 B/hole required	
3	Chambala II	39 HH (290)		1 B/hole required	
4	Kapale	37 HH (260)		1 B/hole required	
5	Mwanjaule	32 HH (230)		1 B/hole required	
6	Kachelenga	34 HH (240)		1 B/hole required	
7	Lumwira I	37 HH (260)		1 B/hole required	
8	Msiwa/Kachikopa	32 HH (230)		1 B/hole required	
9	Chiuzeni	34 HH (250)		1 B/hole required	
10	Kamtepa	37 HH (260)		1 B/hole required	
11	Kambamula	31 HH (220)		1 B/hole required	
12	Mdamveranji	32 HH (230)		1 B/hole required	
13	Kachule	37 HH (270)		1 B/hole required	
14	Jabesi	32 HH (230)		1 B/hole required	
15	Tchete	34 HH (250)		1 B/hole required	
16	Chidandale	37 HH (260)		1 B/hole required	

17	Malembo/Milliyoni	37 HH (260)		1 B/hole required	
18	Chidzungu/Chakhwinyata	37 HH (260)		1 B/hole required	
19	Sameta	32 HH (232)		1 B/hole required	
20	Kathyola	32 HH (230)		1 B/hole required	

G.V.H. KAWALIKA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kawalika	70 HH (320)		(Climax broken) 1 B/hole required.	
2	Mwase	50 HH (350)		1 B/hole required	
3	Milala	60 HH (360)		1 B/hole required	
4	Msema	69 HH (345)		(Climax broken) 1 B/hole required.	
5	Chilufu	72 HH (360)		1 B/hole required	
6	Samisoni	51 HH (253)		1 B/hole required	
7	Madziamoto	39 HH (234)		1 B/hole required	
8	Chikaunga	45 HH (263)		1 B/hole required	
9	Kadyalu	62 HH (372)		1 B/hole required	
10	Mnkhadze	49 HH (294)		1 B/hole required	
11	Chibondo	56 HH (335)		1 B/hole required	
12	Chidzuma	39 HH (233)		1 B/hole required	
13	Kabondo	49 HH (293)		1 B/hole required	
14	Kaluzi I	32 HH (228)		1 B/hole required	
15	Chimombo II	50 HH (250)		1 B/hole required	
16	Mwakundi	42 HH (250)		1 B/hole required	

G.V.H. MAKOWA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Makowa	95 HH (589)		B/hole needs rehab. 1 B/hole required	
2	Mpaya	98 HH (586)		2 B/holes required	
3	Kasi Tomo	82 HH (492)		2 B/holes required	
4	Mpondamwala	74 HH (446)		2 B/holes required	
5	Kasalika	61 HH (364)		1 B/hole required	
6	Tumeyo	65 HH (392)		2 B/holes required	
7	Kawodlera I	72 HH (431)		B/hole needs rehab. 1 B/hole required	
8	Mapondera	60 HH (359)		1 B/hole required	
9	Chawina	80 HH (474)		1 B/hole required	
10	Chizeze	58 HH (347)		1 B/hole required	
11	Mangani	58 HH (347)		1 B/hole required	
12	Msaphana	49 HH (294)		1 B/hole required	
13	Kuthengo	54 HH (322)		1 B/hole required	
14	Mchilawankhondo	42 HH (249)		1 B/hole required	
15	Mkhumbira	61 HH (367)		1 B/hole required	
16	Gaweni	42 HH (253)		1 B/hole required	
17	Kamkota	41 HH (248)		1 B/hole required	
18	Mchilamphando	40 HH (239)		1 B/hole required	
19	Phinifolo	49 HH (291)		1 B/hole required	
20	Kaodzera II	82 HH (493)		2 B/holes required	
21	Ngalize	54 HH (322)		1 B/hole required	
22	Chimpala	58 HH (346)		1 B/hole required	
23	Kamapalira	50 HH (298)		1 B/hole required	
24	Dzonzi	61 HH (364)		1 B/hole required	
25	Chadzunda	76 HH (455)		1 B/hole required	
26	Mikili	54 HH (324)		1 B/hole required	

27	Thauzeni	54 HH (336)		1 B/hole required	
28	Jeke	53 HH (319)		1 B/hole required	
29	Solomoni	36 HH (214)		1 B/hole required	
30	Bwanali	53 HH (316)		1 B/hole required	
31	Kasawa	49 HH (294)		1 B/hole required	
32	Kazembe	44 HH (264)		1 B/hole required	
33	Bwelera	38 HH (227)		1 B/hole required	
34	Mafola	66 HH (395)		1 B/hole required	

G.V.H. MALEMBO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Malembo	41 HH (245)		1B/hole required	
2	Salamba	35 HH (210)		B/hole needs rehab. 1B/hole required	
3	Jeemani	48 HH (250)		1 B/hole required	
4	Sapulayi	86 HH (516)		1 B/hole required	

G.V.H. MWANDA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mwanda	259 HH		1 B/hole required	
2	Msampha	230 HH		1 B/hole required	
3	Kameta	240 HH		1 B/hole required	
4	Mabutao/Jezikamale	255 hh		1 B/hole required	
5	Chilemba	35 HH (245)		1 B/hole required	
6	Chikakula	30 HH (215)		B/hole needs rehab. 1 B/hole required	
7	Mngómbe	31 HH(225)		1 B/hole required	
8	Gobede	32 HH (230)		1 B/hole required	
9	Chikafa	34 HH (241)		1 B/hole required	
10	Joni	35 HH (247)		1 B/hole required	
11	Chigumula	35 HH (249)		1 B/hole required	
12	Damaseke	36 HH (251)		1 B/hole required	
13	Kamtimaleka	32 HH (237)		1 B/hole required	
14	Chakwera	32 HH (239)		1 B/hole required	
15	Kadzilange	36 HH (251)		1 B/hole required	

G.V.H. KAPUNDU	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chibvina	41 HH (291)		1 B/hole required	
2	Kasoni	36 HH (250)		1 B/hole required	
3	Gungulu	40 HH (281)		1 B/hole required	
4	Mkwanda	36 HH (230)		1 B/hole required	
5	Chikhazika	32 HH (230)		1 B/hole required	
6	Kapatamoyo	30 HH (242)		1 B/hole required	
7	Kadawe	34 HH (242)		1 B/hole required	

G.V.H. NJAKWA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mazengera	84 HH (418)		1 B/hole required	
2	Kakoloweke Chingóma	51 HH (306) 36 HH (214)		B/hole needs rehab. 1 B/hole required	



G.V.H. KAPANGALIKA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kapumphu	50 HH (250)		1 B/hole required	
2	Zambwe	40 HH (280)		1 B/hole required	
3	Champula	41 HH (280)		1 B/hole required	
4	Mdatsekako	54 HH (320)		1 B/hole required	
5	Kachera	65 HH (400)		1 B/hole required	
6	Changwe	68 HH (410)		1 B/hole required	
7	Msipu	53 HH (260)		1 B/hole required	
8	Mthunzi	50 HH (260)		1 B/hole required	
9	Mtsambewu	21 HH (230)		1 B/hole required	
10	Khambako	33 HH (240)		1 B/hole required	
11	Chimphako	50 HH (300)		1 B/hole required	
12	Siki	48 HH (290)		1 B/hole required	
13	Mkusa	41 HH (260)		1 B/hole required	
14	Mkwinda	54 HH (330)		1 B/hole required	
15	Msungata	69 HH (370)		1 B/hole required	
16	Khofi	63 HH (380)		1 B/hole required	
17	Makwembe	60 HH (381)		1 B/hole required	
18	Phetera	60 HH (302)		1 B/hole required	
19	Mwambakulu	65 HH (400)		1 B/hole required	
20	Mwamulu	69 HH (360)		1 B/hole required	
21	Nkhawa	52 HH (320)		1 B/hole required	
22	Kakhomba	40 HH (240)		1 B/hole required	

G.V.H. DZUWA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Dzuwa	47 HH (280)		1 B/hole required	
2	Kanthenyénde	41 HH (245)		1 B/hole required	
3	Mkangala	46 HH (274)		1 B/hole required	
4	Tholoko	43 HH (256)		1 B/hole required	
5	Kamchila	40 HH (237)		1 B/hole required	
6	Mnjonjo	49 HH (293)		1 B/hole required	
7	Chumachiyenda	41 HH (245)		1 B/hole required	
8	Chinyama	40 HH (240)		1 B/hole required	
9	Chiphaliwali	42 HH (251)		1 B/hole required	
10	Mankhokwe	42 HH (251)		1 B/hole required	
11	Chingundwe	41 HH (243)		1 B/hole required	
12	Chasama	45 HH (268)		1 B/hole required	
13	Kachipande	40 HH (240)		1 B/hole required	
14	Chinomwe	37 HH (220)		1 B/hole required	

## ANNEX-5 : JAPAN'S GRANT AID SCHEME

### 1. Grant Aid Procedure (Attachment 1)

#### 1) Japan's Grant Aid Program is executed through the following procedures.

Application (Request made by a recipient country)

Study (Basic Design Study conducted by JICA)

Appraisal & Approval (Appraisal by the Government of Japan and Approval by Cabinet)

Determination of (The Notes exchanged between the Governments of Japan

Implementation and the recipient country)

#### 2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request. If necessary, JICA send a Preliminary Study Team to the recipient country to confirm the contents of the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Programme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

### 2. Basic Design Study

#### 1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:

- a) confirmation of the background, objectives and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation;
- b) evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from the technical, social and economic points of view;
- c) confirmation of items agreed on by both parties concerning the basic concept of the Project;
- d) preparation of a basic design of the Project; and
- e) estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For the smooth implementation of the Study, JICA uses a consulting firm selected through its own procedure (competitive proposal). The selected firm participates the Study and prepares a report based upon the terms of reference set by JICA.

At the beginning of implementation after the Exchange of Notes, for the services of the Detailed Design and Construction Supervision of the Project, JICA recommends the same consulting firm which participated in the Study to the recipient country, in order to maintain the technical consistency between the Basic Design and Detailed Design as well as to avoid any undue delay caused by the selection of a new consulting firm.

3. Japan's Grant Aid Scheme

1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed.

However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Necessity of "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability of Japanese taxpayers.

6) Undertakings required to the Government of the recipient country (Attachment 2)

- a) to secure a lot of land necessary for the construction of the Project and to clear the site;
- b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities outside the site;
- c) to ensure prompt unloading and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid;
- d) to exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts;
- e) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work;
- f) to ensure that the facilities constructed and products purchased under the Grant Aid be maintained and used properly and effectively for the Project; and
- g) to bear all the expenses, other than those covered by the Grant Aid, necessary for the Project.

7) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them as well as to bear all the expenses other than those covered by the Grant Aid.

8) "Re-export"

The products purchased under the Grant Aid shall not be re-exported from the recipient country.

9) Banking Arrangement (B/A)

- a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts.
- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay (A/P) issued by the Government of recipient country or its designated authority.

FLOW CHART OF JAPAN'S GRANT AID PROCEDURES

Stage	Flow & Works	Recipient Government	Japanese Government	JICA	Consultant	Contractor	Others
Application	<p>(T/R : Terms of Reference)</p> <p>Request → Screening of Project → Evaluation of T/R → Project Identification Survey</p>						
Project Formulation & Preparation	<p><b>Preliminary Survey</b></p> <p>Preliminary Survey → Field Survey Home Office Work Reporting</p> <p><b>Basic Design</b></p> <p>Basic Design Study → Selection &amp; Contracting of Consultant by Proposal → Field Survey Home Office Work Reporting</p> <p>Explanation of Draft Final Report → Final Report</p>						
Appraisal & Approval	<p>Appraisal of Project → Inter Ministerial Consultation → Presentation of Draft Notes → Approval by the Cabinet</p>						
Implementation	<p>(E/N : Exchange of Notes)</p> <p>E/N → Banking Arrangement → Consultant Contract → Verification → Issuance of A/P</p> <p>Detailed Design &amp; Tender Documents → Approval by Recipient Government → Preparation for Tendering</p> <p>Tendering &amp; Evaluation → Procurement / Construction Contract → Verification → A/P</p> <p>Construction → Completion Certificate by Recipient Government → A/P</p> <p>Operation → Post Evaluation Study (A/P : Authorization to Pay)</p>						
Evaluation & Follow up	<p>Ex-post Evaluation → Follow up</p>						

## Major Undertakings to be taken by Each Government

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To secure land		•
2	To clear, level and reclaim the site when needed		•
3	To construct gates and fences in and around the site when needed		•
4	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		•
	2) Payment commission		•
5	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	1) Marine (Air) transportation of the products from Japan to the recipient country	•	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		•
	3) Internal transportation from the port of disembarkation to the project site	(•)	(•)
6	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		•
7	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		•
8	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
9	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for the transportation and installation of the equipment		•

(B/A: Banking Arrangement, A/P: Authorization to Pay)

## 資料 6 収集資料リスト

添付資料 収集資料リスト (■収集資料/□専門家作成資料)

文書管理課長	情報管理課長	技術情報課長	図書館受入日
主管部長	主管課長		

国名	マラウイ国	プロジェクトID	524-5040-0-0	調査団番号	
配属機関名	水開発省	現地調査期間又は派遣期間	H16年6月20日～H16年7月10日	担当者氏名	松本

番号	資料の名称	形態(図書、ビデオ、地図、写真等)	収集資料	専門家作成資料	JICA作成資料	注	発行機関	取扱区分	図書館記入覽
A	統計資料、法令・基準、マニュアル等								
A-1	1998 Malawi Population and Housing Census	図書	*				National Statistical Office	JR-CR( )-SC	
A-2	Community Based Management (CBM)	図書	*				Ministry of Water Development	JR-CR( )-SC	
A-3	Community Based Rural Water Supply, Sanitation and Hygiene Education, IMPLEMENTATION MANUAL, 1999	図書	*				Ministry of Water Development	JR-CR( )-SC	
B	開発計画関連報告書								
B-1	Malawi Poverty Reduction Strategy Paper, 2002	CD-R	*				Ministry of Finance and Economic Planning	JR-CR( )-SC	
B-2	Halving the Proportion of People without Access to Safe Water by 2015, 2004 (Water Point Mapping Survey)	コピー	*				JICAマラウイ事務所	JR-CR( )-SC	
B-3	Water Point Mapping Survey, Questionnaire Sheets, フォイル6冊	コピー	*				Inter Aide (NGO)	JR-CR( )-SC	
B-4	Water Point Mapping Survey Improved Water Point Density Map of Kalolo and Khongoni Tas, A3図面2枚	オリジナル	*				Water Aid (NGO)	JR-CR( )-SC	
C	他ドナー、NGO関係資料								
C-1	Inter Aide 2003年活動評価報告書	コピー	*				Inter Aide (NGO)	JR-CR( )-SC	
D	民間コンサルタント関連資料								
D-1	Salephera Consulting Ltd 会社紹介	コピー	*				Salephera Consulting Ltd	JR-CR( )-SC	



添付資料 収集資料リスト (■収集資料/□専門家作成資料)

主管部長	文書管理課長	主管課長	情報管理課長	技術情報課長	図書館受入日

調査団番号	524-5040-C-0	プロジェクトID	マラウイ国
現地調査期間又は派遣期間	H16年6月20日～H16年7月10日	配属機関名	水開発省
担当者氏名	松本		

番号	資料の名称	形態(図巻、ビデォ、地図、写真等)	収集資料	専門家作成資料	JICA作成資料	特注	発行機関	取扱区分	図書館記入日
E	地図関連資料								
E-1	1/250,000 地形図 (Lilongwe)	オリジナル	*				Department of Surveys	JR-CR( )・SC	
E-2	1/100,000 地質図幅 (Muchinji-Upper Bua Area)	オリジナル	*				Ministry of Natural Resources and Environmental Affairs, Geological Survey Department	JR-CR( )・SC	
E-3	1/250,000 水理地質調査図 (Dedza)	コピー	*				Ministry of Natural Resources and Environmental Affairs, Geological Survey Department	JR-CR( )・SC	
E-4	1/250,000 水理地質調査図 (Lilongwe)	コピー	*				Ministry of Natural Resources and Environmental Affairs, Geological Survey Department	JR-CR( )・SC	
E-5	1/500,000 Natural Regions and Areas (Central Malawi)	コピー	*				Ministry of Natural Resources and Environmental Affairs, Geological Survey Department	JR-CR( )・SC	
E-6	1/50,000 要請村落位置図 2枚	オリジナル	*				Ministry of Water Development	JR-CR( )・SC	

資料 7 要請 254 村落と給水施設  
マッピング調査結果

VILLAGES REQUIRING BOREHOLES - T.A. KALOLO

KALOLO

S. No.	G.V.H. KALOLO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
1	1	Kansengwa	969	054877/ 8451689	040	not shown	1 B/hole required	1BH: Functional
2	2	Dzuluwanda	420	0541604/ 8449539	054	556	1 B/hole required	-
3	3	Chidzenje	304	0541876/ 8453100	unknown	not shown	1 B/hole required	-
4	4	Kamangira	599	0540972/ 8454500	034, 035	370	1 B/hole required	-
5	5	Guli-guli (B)	1,497	0543604/ 8454702	042	216	1 B/hole required	1P.S.W.: Not Functional
6	6	Nkhwambala	420	0543957/ 8449584	053, 054	658	1 B/hole required	1BH: Functional
7	7	Chiziko	1,301	0545055/ 8451748	052	317	1 B/hole required	1P.S.W.: Not Functional
8	8	Nkhata	769	0546715/ 8452767	051, 064	255	1 B/hole required	1P.S.W.: Not Functional

S. No.	G.V.H. NYEMBA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
9	1	Kampala	52 HH (314)		084	76	1 B/hole required	-
10	2	Chinsenga	68 HH (336)		084	159	1 B/hole required	1BH: Not Functional
11	3	Mthiko	72 HH (360)		unknown	not shown	1 B/hole required	-
12	4	Mnkhowe	199 HH (490)		unknown	not shown	1 B/hole required	-
13	5	Mchilawankhondo	57 HH (387)		unknown	not shown	1 B/hole required	-
14	6	Chisikwa (A)	250 HH (1250)		049	not shown	1 B/hole available 1 B/hole required	3BHSs: Not functional 1BH: Functional

S. No.	G.V.H. CHIBUNGO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
15	1	Chibungo	334 HH (1670)		029	963	1 B/hole required	1BH: Not Functional (Old) 1BH: Functional
16	2	Muyala	94 HH (471)		043	496	B/hole needs rehab. 1 B/hole required	1BH: Not Functional (Old)
17	3	Phulamazira	200 HH (858)		023	385	1 B/hole required	1P.S.W.: Not Functional 1BH: Not Functional (Old)
18	4	Gome	77 HH (539)		044	234	1 B/hole required	1P.S.W.: Not Functional
19	5	Mpingo II	200 HH (1200)		048, 047	374	1 B/hole required	1BH: Not Functional 1BH: Functional 1P.S.W.: Not Functional
20	6	Kabwana	80 HH (1080?) (400?)		024	464	1 B/hole available 1 B/hole required	2BHs: Not Functional
21	7	Madika	70 HH (490)		030	137	1 B/hole required	-
22	8	Mzungu	62 HH (434)		030	162	1 B/hole required	1P.S.W.: Functional
23	9	Mwagongonda (Mngongonda)	188 HH (1316)		044	not shown	1 B/hole required	-
24	10	Mnjeza	64 HH (448)		045	180	1 B/hole required	-

S. No.	G.V.H. CHITUWI	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
25	1	Chituwi	47 HH (490)		028	500	1 B/hole required	1BH: Not Functional (Old) 1BH: Functional
26	2	Chakumbutsa (Chakumbuzi)	52 HH (364)		046	230	1 B/hole required	1P.S.W.: Not Functional
27	3	Chilembwe	52 HH (312)		unknown	not shown	1 B/hole required	-
28	4	Kanyonl	60 HH (422)		unknown	not shown	1 B/hole required	-
29	5	Chitapangombe	84 HH (588)		unknown	not shown	1 B/hole required	-
30	6	Kumtsizi (Kumtsinzi (A))	69 HH (483)		044	267	1 B/hole required	-
31	7	Kamkuwe	56 HH (392)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. MPHAMBA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
32	1	Sinsinja	70 HH (352)			not shown	1 B/hole required	-
33	2	Mandindi	39 HH (1234?) (200?)		047	49	1 B/hole required	-
34	3	Ngalazuka	76 HH (450)			not shown	1 B/hole required	-
35	4	Kamatira (Kamatila)	94 HH (562)		047	220	1 B/hole required	1BH: Not Functional (Old) 1BH: Functional
36	5	Dambo	95 HH (573)		046	461	1 B/hole required	1BH: Not Functional (Old)

not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

KALOLO

S. No.	G.V.H. CHAKUZAMUTU	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
37	1	V.H. Makala (A), (C)	2,100	0537332/ 08446542	057, 058	Total Makala 474	Too big 1 B/hole required	-
38	2	V.H. Mizati (A), (B)	420	0539233/ 08444876	058, 060	Total Mizati 398	1 B/hole required	-
39	3	V.H. Chipira Msanga	315	0538857/ 08447413	056	(Chipira) (416)	1 B/hole required	-
40	4	V.H. Masekese	420	0539696/ 08447683	056	not shown	1 B/hole required	-
41	5	V.H. Chipira Kakoma (A)	1,880	0538341/ 08448447	056	(Chipira) (416)	1 B/hole required	-
42	6	V.H. Guli-guli I	455	0538023/ 08445548	058	228	1 B/hole required	-
43	7	V.H. Chamoto	1,112	0543308/ 08441784	083	468	1 B/hole required	1BH: Functional
44	8	V.H. Kaziputa	690	0540530/ 8443835	060	194	1 B/hole required	1BH: Functional
45	9	V.H. Geremani	1,120	0541989/ 8446757	unknown	not shown	1 B/hole required	-

S. No.	G.V.H. MKUWIRA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
46	1	V.H. Mkuwira	2,940	0544233/ 8438117	085	355	T/C B/hole available 1 B/hole required	1BH: Functional
47	2	V.H. Nyanda	1,460	0542118/ 8437240	086	494	1 B/hole required	-
48	3	V.H. Muzayani (Muuzayani)	549	0541288/ 8437918	086	230	1 B/hole required	-
49	4	V.H. Chingóna (B)	464	0543864/ 8440238	084	224	1 B/hole required	1BH: Functional
50	5	V.H. Mzokoto	1,050	0545210/ 8438364	085	145	1 B/hole required	-
51	6	V.H. Lawudani (Laudani)	770	0544452/ 8437427	085	162	1 B/hole required	-
52	7	V.H. Kalongopywera (Kalongopywera)	749	054224/ 843754	085	183	1 B/hole required	-
53	8	Mgulula	740	0546598/ 8438639	085	215	1 B/hole required	-
54	9	Mtsinambuto - Kalata	359	0547110/ 8439314	080	not shown	1 B/hole required	-

S. No.	G.V.H. CHADZA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
55	1	V.H. Chadza	100HH (562)		087	382	Borehole available 1 B/hole required	-
56	2	V.H. Mawulana-Mkuwamba	(329 + 149) 478	0542156/ 8440065	084	(Mkuwamba) (175)	1 B/hole required	-
57	3	V.H. Ntchisi	315	0541531/ 8439476	084	62	1 B/hole required	-
58	4	V.H. Mchawa (A), (B)	86 HH (512)	0541508/ 8443041	060, 061	394	1 B/hole required	-
59	5	V.H. Mlinga	49 HH (343)	0541091/ 8442788	060	147	1 B/hole required	-
60	6	V.H. Chingondo	74 HH (371)	0543198/ 8443370	086	91	1 B/hole required	-

S. No.	G.V.H. CHIPANGA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
61	1	V.H. Chipanga	50 HH (250?)		090	556	1 B/hole required	1BH: Functional
62	2	V.H. M'bangombe	60 HH (300?)		090	373	1 B/hole required	1BH: Functional
63	3	V.H. Mlera	60 HH (300?)		unknown	not shown	1 B/hole required	-

not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

KALOLO

S. No.	G.V.H. SINUMBE	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
64	1	Nyozwe	200 HH (1400)		011	323	1 B/hole required	-
65	2	Sungamanja	109 HH (545)		unknown	not shown	1 B/hole required	-
66	3	Mapira	104 HH (520)		unknown	not shown	1 B/hole required	-
67	4	Kango	250 HH (1259)		012	117	1 B/hole required	-
68	5	Chigwasa	90 HH (950)		012	147	1 B/hole required	-
69	6	Chapota	91 HH (540)		012	166	1 B/hole required	-
70	7	Chilomo	190 HH (1146)		unknown	not shown	1 B/hole required	-
71	8	Gwani	99 HH (496)		012	69	1 B/hole required	-
72	9	Kangulu	145 HH (725)		unknown	not shown	1 B/hole required	-
73	10	Chimbwala	97 HH (482)		009	82	1 B/hole required	-
74	11	Sinumbe (Sinumbe TC.)	47 HH (329)		013	618	1 B/hole required	3BHs: Not Functional 1W.S.W.: Functional (*W.S.W. rehabilitated in 2004)

S. No.	G.V.H. LIWINGA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
75	1	Sosola	55 HH (385)		008, 009	168	1 B/hole required	-
76	2	Jamu	62 HH (310)		unknown	not shown	1 B/hole required	-
77	3	Sankhulani	46 HH (323)		008	290	1 B/hole required	-

S. No.	G.V.H. DZAMA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
78	1	Dzama	72 HH (432)		001	559	1 B/hole required	1BH: Not Functional
79	2	Yofamu	72 HH (432)		001	115	1 B/hole required	-
80	3	Kanyopola	61 HH (429)		001	92	1 B/hole required	-
81	4	Chafuta	52 HH (370)		unknown	not shown	1 B/hole required	-
82	5	Jonasi (Jonas)	63 HH (443)		001	142	1 B/hole required	-
83	6	Chinkhata	59 HH (415)		003	not shown	1 B/hole required	-

S. No.	G.V.H. LEMWE	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
84	1	Kwezani	39 HH (348)		unknown	not shown	1 B/hole required	-
85	2	Makoka	58 HH (354)		unknown	not shown	1 B/hole required	-
86	3	Kalichelo	47 HH (329)		unknown	not shown	1 B/hole required	-
87	4	Mthyothyo	70 HH (420)		004	not shown	1 B/hole required	-
88	5	Chilima (Chalima)	54 HH (326)		004	128	1 B/hole required	-
89	6	Lusha	49 HH (343)		005	375	1 B/hole required	-

S. No.	G.V.H. CHIKUDZULIRE	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
90	1	Dzinja	43 HH (300)		018, 033	346	1 B/hole required	-
91	2	Mkanda	57 HH (341)		034	146	1 B/hole required	1BH: Not Functional 1BH: Functional 1P.S.W.: Not Functional 1H.D.BH: Functional
92	3	Kadzani	72 HH (500)		016	not shown	1 B/hole required	1BH: Not Functional (Old)
93	4	Mkoko	81 HH (482)		015, 16	392	1 B/hole required	1BH: Functional

S. No.	G.V.H. SINUMBE	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
94	1	Kafunde	100 HH (700)		013	326	1 B/hole required	-
95	2	Mpondamwala	76 HH (456)		019	110	1 B/hole required	-
96	3	Kathumba	107 HH (642)		013	212	1 B/hole required	1BH: Not Functional
97	4	Zuwande	97 HH (582)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. CHINKHUNDA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
98	1	Chinkhunda Mnkawila	49 HH (340)		068	198	1 B/hole required	2BHs: Functional
99	2	Dzowole (Dzoole)	50 HH (344)		068	not shown	1 B/hole required	-
100	3	Kalonga	71 HH (426)		070	334	1 B/hole required	-
101	4	Kwenje	61 HH (366)		067	200	1 B/hole required	-
102	5	Chizula (Chidzula)	72 HH (490)		066	not shown	1 B/hole required	1BH: Not Functional (Old)
103	6	Semu	63 HH (369)		067	175	1 B/hole required	-
104	7	Khwema	78 HH (538)		unknown	not shown	1 B/hole required	-
105	8	Mdabwi   Bokola	65 HH (387)		068	not shown	1 B/hole required	-

S. No.	G.V.H. CHIMSOLO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
106	1	Mliwu (Mliu)	69 HH (470)		072	352	1 B/hole required	1BH: Not Functional (Old)
107	2	Chithangile (Chithangire)	57 HH (380)		069, 070	167	1 B/hole required	1BH: Not Functional (Old)

not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

KALOLO

S. No.	G.V.H. MASUMBA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
108	1	Manthalu	50 HH (347)		unknown	not shown	1 B/hole required	-
109	2	Chaponda	71 HH (423)		074	not shown	1 B/hole required	-
110	3	Manjawila	51 HH (349)		unknown	not shown	1 B/hole required	-
111	4	Chikalipo	68 HH (341)		075	105	1 B/hole required	-
112	5	Lendemani	99 HH (493)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. MPHUNDA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
113	1	Malumbila	64 HH (322)		076	171	1 B/hole required	-
114	2	Mkozomba	67 HH (336)		unknown	not shown	1 B/hole required	-
115	3	Mkanthama	71 HH (356)		076	60	1 B/hole required	-
116	4	Zakaliya (Zakalia)	62 HH (309)		076	56	1 B/hole required	-
117	5	Chipozongo	59 HH (297)		unknown	not shown	1 B/hole required	-
118	6	Palimtima	67 HH (400)		078, 079	156	1 B/hole required	1 P.S.W.: Functional
119	7	Makanga	59 HH (295)		079	113	1 B/hole required	-
120	8	Chimlota	61 HH (307)		unknown	not shown	1 B/hole required	-
121	9	Mndulu	69 HH (343)		unknown	not shown	1 B/hole required	-

not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

VILLAGES REQUIRING BOREHOLES - T.A. KHONGONI

KHONGONI

S. No.	G.V.H. KHONGONI	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
1	1	Khongoni (A)	351		057	482	1 B/hole required	2BHs: Not Functional 1BH: Functional
2	2	Kambuyawa	650		060	not shown	1 B/hole required	-
3	3	Mbalame (A)	67 HH 303		056	580	1 B/hole required	1BH: Not Functional
4	4	Kanjanja	320		054	146	1 B/hole required	-
5	5	Kanzota	56 HH 240		056	180	1 B/hole required	-
6	6	Masitala - Maria	28 HH 320		unknown	not shown	1 B/hole required	-
7	7	Levi	300		unknown	not shown	1 B/hole required	-
8	8	Mweziwauma	70 HH 350		unknown	not shown	1 B/hole required	-
9	9	Mandelo-Mika	40 HH 320		unknown	not shown	1 B/hole required	-
10	10	Kachilikiza	350		033	244	1 B/hole required	-

S. No.	G.V.H. MSINDE	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
11	1	Benjamani	37 HH 300		unknown	not shown	1 B/hole required	-
12	2	Nkhombokombo	44 HH 300		unknown	not shown	1 B/hole required	-
13	3	Waya	90 HH 299		039	626	1 B/hole available	2BHs: Functional

S. No.	G.V.H. MATEKWE	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
14	1	Kantugwala-Chimpesi	56 HH 460		unknown	not shown	2 B/holes required	-
15	2	Mmbamwana	45 HH 300		unknown	not shown	1 B/hole required	-
16	3	Mkhuta	379		unknown	not shown	1 B/hole required	-
17	4	Kambudzi	989		067	364	1 B/hole available 2 B/holes required	1BH: Functional (but very old)
18	5	Chitindi	480		062	59	2 B/holes required	-
19	6	Sallma	56 HH 447		062	133	B/hole needs rehab. 2 B/holes required	1BH: Not Functional
20	7	Kapudzama	95 HH 780		064	269	B/hole needs rehab. 2 B/holes required	2BHs: Not Functional (Old) 1BH: Functional 1H.D.BH: Functional
21	8	Chalonga	89HH 1058		065	(Chalonga (A)) (535)	B/hole needs rehab. 3 B/holes required	1BH: Functional
22	9	Chaipa-Mnjale	450		066	(Chaipa) (221)	2 B/holes required	1BH: Not Functional (Old)
23	10	Mtabvu (Mutavu)	450		unknown	not shown	1 B/hole available 2 B/holes required	1BH: Functional
24	11	Imfa	500		067	181	1 B/hole available 2 B/holes required	1BH: Not Functional (Old)
25	12	Chithemba	380		066	172	B/hole needs rehab. 1 B/hole required	1BH: Functional (but very old)

S. No.	G.V.H. VIZIMBA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
26	1	Naferanji (Nafelanji)	480		052	132	1 B/hole available 1 B/hole required	1BH: Functional
27	2	Katugwa	350		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. NYANGA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
28	1	Nyanga	426		053	551	2 B/holes required	-
29	2	Kalumbi	418		unknown	not shown	B/hole needs rehab. 2 B/holes required	1BH: Functional

S. No.	G.V.H. CHIPENI	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
30	1	Chipeni	333HH 2000		051	388	1 B/hole available 2 B/holes required	1BH: Not Functional
31	2	Gulumba (A)	107 HH 645		050	106	2 B/holes required	-
32	3	Sixpence/Nabuzi	123 HH 750		050	not shown	2 B/holes required	-
33	4	Masantchi/Satata/Chimbaka	142 HH 850		unknown	not shown	2 B/holes required	-
34	5	Williamu/Jasiteni/Nthochi	105 HH (525?)		unknown	not shown	2 B/holes required	-
35	6	Zamula/Jere	52 HH 307		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. MKUWIRA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
36	1	Monjo-Mduluzza	90 HH (210?) (450?)		047	(Monjo) (65)	2 B/holes required	-

not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windless, Old: Well Age more than 30yrs

KHONGONI

S. No.	G.V.H. KASIYA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
37	1	Mbewa II ((B))	58 HH 345		028	403	1 B/hole required	2BHs: Functional
38	2	Chizewe	66 HH 300		unknown	not shown	1 B/hole required	-
39	3	Mwachipula	62 HH 372		unknown	not shown	1 B/hole required	-
40	4	Kakhutantaya-Kalitsilo	83 HH 500		unknown	not shown	2 B/holes required	-
41	5	Nthala-Gomani	63 HH 380		unknown	not shown	1 B/hole required	-
42	6	Mtswati	78 HH 478		044	261	2 B/holes required	-

S. No.	G.V.H. MTSWATI	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
43	1	Mafuta	50 HH (200?)		unknown	not shown	1 B/hole required	-
44	2	Pashane Nkhulange	70 HH (350?)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. MALENGA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
45	1	Mndimbanazo-Chimbalu	70 HH 331		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. MANGILIRA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
46	1	Mangilira (Mangilira)	205 HH 1230		034	280	B/hole needs rehab. 3 B/holes required	1BH: Functional
47	2	Mthumba (Thumba)	96 HH 579		034	182	2 B/holes required	-
48	3	Zokoto	124 HH 748		029	309	2 B/holes required	-
49	4	Kalama (B)	112 HH 670		033	1042	B/hole needs rehab. 1 B/hole required	1BH: Not Functional (Old)
50	5	Nthondo II - Chimbidzi	50 HH 300		027	364	1 B/hole required	1BH: Not Functional (Old)
51	6	Mazongoti-Thekenya	51 HH 306		unknown	not shown	2 B/holes required (1 to share)	-
52	7	Kaluzi-Lamuele	52 HH 314		027 (Kalzi(A))	(102)	B/hole needs rehab. 1 B/hole required	1BH: Functional (but very old)
53	8	Galeta Dalmoni Chulu	57 HH 341		unknown	not shown	1 B/hole required (to share among 3 Villages)	-

S. No.	G.V.H. JAUZALE	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
54	1	Kabudula	57 HH (390)		unknown	not shown	Broken B/hole 1 B/hole required	1BH: Not Functional

S. No.	G.V.H. MSTINDO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
55	1	Ziyendammanja	70 HH (350)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. MADZONGA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
56	1	Madzonga	117 HH (700)		045	80	2 B/holes available 1 B/hole required	1BH: Functional
57	2	Mgulumula	11 HH (460)		unknown	not shown	1 B/hole required	1BH: Not Functional (Old)
58	3	Minkhunyungu	71 HH (430)		unknown	not shown	Broken B/hole water quality not good. 1 B/hole required	-
59	4	Chikweteza	56 HH (333)		unknown	not shown	1 B/hole required	1BH: Not Functional (Old)
60	5	Mlamba - Makina	89 HH (535)		047? 046?	(Mlamba) (215)	2 B/holes required	-
61	6	Mwadzimbi	110 HH (660)		046	392	2 B/holes required	-
62	7	Chimphepo	57 HH (340)		047	28	1 B/hole required	-

S. No.	G.V.H. NDALAMA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
63	1	Njombiro Chiuzeni II	59 HH (300?)		unknown	not shown	1 B/hole required	-
64	2	Chibwalo	41 HH (306)		unknown	not shown	1 B/hole required	-
65	3	Kalipanda	42 HH (300)		unknown	not shown	1 B/hole required	-
66	4	Kachipanda	42 HH (301)		020	158	1 B/hole required	-

S. No.	G.V.H. BONDO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
67	1	Bondo	56 HH (365)		unknown	not shown	1 B/hole required	1H.D.BH: Functional

: not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs



KHONGONI

S. No.	G.V.H. CHIMTOLO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
68	1	Chikwa	40 HH (300)		unknown	not shown	1 B/hole required	-
69	2	Kazambala	41 HH (315)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. CHIGOWO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
70	1	Chigowo	41 HH (306)			013 208	1 B/hole required	1BH: Functional
71	2	Kaphiri	51 HH (450)			013 464	1 B/hole required	1BH: Not Functional
72	3	Kamtengo	47 HH (360)		unknown	not shown	1 B/hole required	-
73	4	Timoti	191 HH (360?)		unknown	not shown	1 B/hole required	-
74	5	Chadzunda	58 HH (450)		unknown	not shown	2 B/holes required	-
75	6	Loti	43 HH (370)		unknown	not shown	1 B/hole required	-
76	7	Chinjili	39 HH (340)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. KANJEZA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
77	1	Thema	83 HH (500)		unknown	not shown	2 B/holes required	-
78	2	Nkhoka	73 HH (435)		unknown	not shown	1 B/hole required	-
79	3	Chilowa (B)	78 HH (478)			026 520	2 B/holes required	1BH: Not Functional
80	4	Katsano	81 HH (488)		unknown	not shown	2 B/holes required	-

S. No.	G.V.H. SAKALI	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
81	1	Sambo/Chintemwende	57HH (300?)		unknown	not shown	1 B/hole required	-

S. No.	G.V.H. KAWALIKA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
82	1	Kawalka	70 HH (320)			010 405	(Climax broken) 1 B/hole required.	1BH: Not Functional
83	2	Mwase	50 HH (350)			009 450	1 B/hole required	-
84	3	Milala	60 HH (360)		unknown	not shown	1 B/hole required	1W.S.W.: Not Functional
85	4	Msema	69 HH (345)			009 526	(Climax broken) 1 B/hole required.	1BH: Not Functional (Old)
86	5	Chilufu	72 HH (360)			012 157	1 B/hole required	-
87	6	Kadyalu	62 HH (372)		unknown	not shown	1 B/hole required	-
88	7	Chibondo	56 HH (335)		unknown	not shown	1 B/hole required	-
89	8	Chimombo II	50 HH (250)			012 (Chimombo A) (404)	1 B/hole required	-

S. No.	G.V.H. MAKOWA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
90	1	Makowa	95 HH (589)			017 331	B/hole needs rehab. 1 B/hole required	1BH: Not Functional
91	2	Mpaya	98 HH (586)		unkown	not shown	2 B/holes required	-
92	3	Kasi Tomo (Kasitomu)	82 HH (492)			017 122	2 B/holes required	-
93	4	Mpondamwala	74 HH (446)			016 not shown	2 B/holes required	-
94	5	Kasalika	61 HH (364)			015 not shown	1 B/hole required	-
95	6	Tumeyo	65 HH (392)			016 89	2 B/holes required	-
96	7	Kawodlera I	72 HH (431)		unkown	not shown	B/hole needs rehab. 1 B/hole required	-
97	8	Mapondera	60 HH (359)			016 264	1 B/hole required	-
98	9	Chawina	80 HH (474)		unkown	not shown	1 B/hole required	-
99	10	Chizeze	58 HH (347)		unkown	not shown	1 B/hole required	-
100	11	Mangani	58 HH (347)		unkown	not shown	1 B/hole required	-
101	12	Kuthengo	54 HH (322)		unkown	not shown	1 B/hole required	-
102	13	Mkhumbira	61 HH (367)		unkown	not shown	1 B/hole required	-
103	14	Kaodzera II (Kaodzela)	82 HH (493)			011 30	2 B/holes required	1BH: Not Functional (Old)
104	15	Ngalize	54 HH (322)			011 121	1 B/hole required	-
105	16	Chimpala	58 HH (346)		unkown	not shown	1 B/hole required	-
106	17	Kamapalira	50 HH (298)		unkown	not shown	1 B/hole required	-
107	18	Dzonzi	61 HH (364)		unkown	not shown	1 B/hole required	-
108	19	Chadzunda	76 HH (455)		unkown	not shown	1 B/hole required	-
109	20	Mikili	54 HH (324)		unkown	not shown	1 B/hole required	-
110	21	Thauzeni	54 HH (336)		unkown	not shown	1 B/hole required	-
111	22	Jeke	53 HH (319)		unkown	not shown	1 B/hole required	-
112	23	Bwanali	53 HH (316)		unkown	not shown	1 B/hole required	-
113	24	Kasawa	49 HH (294)		unkown	not shown	1 B/hole required	-
114	25	Mafola	66 HH (395)		unkown	not shown	1 B/hole required	-

not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

KHONGONI

S. No.	G.V.H. MALEMBO	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
115	1	Sapulayi	86 HH (516)		007	37	1 B/hole required	-

S. No.	G.V.H. MWANDA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
116	1	Mwanda	259?		006	243	1 B/hole required	-
117	2	Msampha	230?		unknown	not shown	1 B/hole required	-
118	3	Kameta	240?		unknown	not shown	1 B/hole required	-
119	4	Mabutao/Jezikamale	255?		008	(Mabutao) (196)	1 B/hole required	-

S. No.	G.V.H. NJAKWA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
120	1	Mazengera	84 HH (418)		unknown	not shown	1 B/hole required	-
121	2	Kakoloweke	51 HH (306)		004	515	B/hole needs rehab.	1BH: Not Functional

S. No.	G.V.H. KAPANGALIKA	VILLAGE NAME	Estimated POP in 2004	GRID REF.	1998 Census E. A.	1998 Census POP	Boreholes Required	Existing Water Points (Water Point Mapping Survey)
122	1	Mdatsekako	54 HH (320)		unknown	not shown	1 B/hole required	-
123	2	Kachera	65 HH (400)		unknown	not shown	1 B/hole required	-
124	3	Changwe	68 HH (410)		unknown	not shown	1 B/hole required	-
125	4	Chimphako	50 HH (300)		unknown	not shown	1 B/hole required	-
126	5	Mkwinda	54 HH (330)		unknown	not shown	1 B/hole required	-
127	6	Msungata	69 HH (370)		unknown	not shown	1 B/hole required	-
128	7	Khofi	63 HH (380)		unknown	not shown	1 B/hole required	-
129	8	Makwembe	60 HH (381)		unknown	not shown	1 B/hole required	-
130	9	Phetera	60 HH (302)		unknown	not shown	1 B/hole required	-
131	10	Mwambakulu	65 HH (400)		unknown	not shown	1 B/hole required	-
132	11	Mwamulu	69 HH (360)		unknown	not shown	1 B/hole required	-
133	12	Nkhawa	52 HH (320)		unknown	not shown	1 B/hole required	-

not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumeration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

資料 8 1998 年センサスと給水施設  
マッピング調査結果

1998 CENSUS

KALOLO TA/EA

2003 Water Point Mapping

KALOLO TA/EA

Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	***Kalolo***	23,457	104,939	51,832	53,107	***Kalolo***						
	Alemwe.....	11	55	28	27							
	Bazale.....	18	83	42	41							
	Bisedi.....	23	111	52	59							
	Bunduke.....	11	47	25	22							
						Bwemba	mechanic borehole	Afridev	not functional	1999	MPs	unknown
	Canadian.....	6	25	11	14							
	Chadira.....	23	98	53	45							
✓		33	113	53	60							
✓		85	382	200	182							
	Chakhutamadzi.....	17	57	27	30							
✓		55	230	115	115	Chakumbutsa	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
		108	529	284	245	Chakuzamutu	mechanic borehole	Afridev	functional	2002	Government	unknown
						Chakuzamutu School	mechanic borehole	Afridev	functional	2000	EU	CHITSIME
	Chakwera.....	31	135	60	75							
	Chalemba.....	10	57	33	24	Chalemba School	mechanic borehole	Afridev	functional	1999	MASAF	unknown
	Chalimba School.....	76	378	199	179							
	Chalusa.....	38	162	80	82	Chalusa	mechanic borehole	Afridev	functional	1960	Government	Government
		46	210	111	99							
	Chalusa School.....	50	243	114	129	Chalusa School	mechanic borehole	Afridev	functional	1997	MASAF	unknown
✓		103	468	248	220	Chamoto	mechanic borehole	Afridev	functional	2002	EU	Karaliya
	Chamsanda.....	42	171	83	88							
	Chankondo.....	71	320	156	164	Chankondo	mechanic borehole	Afridev	not functional	1998	Government	Government
						Chankondo	mechanic borehole	Afridev	functional	1972	Government	Government
	Chaola.....	43	200	111	89	Chaola	shallow well with hand pump	Malda	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
						Chaola	shallow well with hand pump	Malda	functional	2000	Luxembourg Gvt	St Gabriel Hospital
	Chapita.....	6	30	15	15							
✓		30	166	85	81							
	Chasawa.....	7	30	17	13							
						Chatimba	mechanic borehole	Afridev	functional	2001	EU	unknown
	Chatsala School.....	12	64	32	32	Chatsala School	mechanic borehole	Afridev	functional	1992	World Vision	World Vision
	Chawala.....	48	224	113	111							
	Chawantha.....	156	789	405	384	Chawantha	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
		18	77	34	43	Chawantha	mechanic borehole	Afridev	functional	1111	Government	Government
						Chawantha School	mechanic borehole	Afridev	functional	1988	World Vision	unknown
✓		11	52	29	23	Chibungo School	mechanic borehole	Afridev	functional	1993	Government	Government
✓		204	911	455	456	Chibungo	mechanic borehole	Climax	not functional	1967	Government	Government
	Chibuthu.....	2	9	5	4							
	Chibuthu.....	29	105	61	44							
	Chibweza.....	13	65	30	35							
		35	144	69	75							
	Chibweza.....	25	119	60	59							
	Chicha.....	73	354	187	167	Chicha	shallow well with hand pump	Malda	not functional	1989	World Vision	Chilembe Drilling Co
						Chicha	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
	Chidakula.....	14	60	27	33	Chidakula	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide

\*: Many village names in requested 254 villages list are not shown in 1998 Census data shown above.

2003 Water Point Mapping

1998 CENSUS

KALOLO TA/EA

KALOLO TA/EA

Requested Village	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Chidazi	2	8	3	5		shallow well with hand pump	Maida	not functional	1988	Government	Government
	Chidya	61	283	143	140	Chidya	windlass well	no pump	not functional	1111	Government	Government
	Chidzala	38	165	72	93	Chidzala	mechanic borehole	Afridev	functional	2000	EU	CHITSIME
	Chidzala	1	10	5	5	Chidzala	shallow well with hand pump	Maida	not functional	1995	Luxembourg Gvt	St Gabriel Hospital
	Chidzurna	13	55	28	27							
	Chifuka	180	793	362	431	Chifuka	mechanic borehole	Afridev	not functional	1976	Government	Government
	Chifuta	22	91	51	40							
✓	Chigwasa	33	147	70	77							
	Chipila	109	487	245	242							
✓	Chikalipo	27	105	51	54							
	Chikankheni	20	103	61	42	Chikankheni	mechanic borehole	Afridev	functional	2000	EU	unknown
	Chikata	27	124	59	65	Chikata	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
	Chikhotzoolo	8	45	26	19							
	Chikhudzuire	55	217	112	105							
	Chikhudzuire	29	125	65	60							
	Chikhuu	20	110	50	60							
	Chikowa	32	142	65	77							
	Chikudzuire B.	25	124	64	60	Chikudzuire	shallow well with hand pump rehabilitation of above well	no pump Afridev	not functional functional	1991 2003	Germany Embassy Inter Aide	St Gabriel Hospital Inter Aide
						Chikudzuire School	mechanic borehole	Afridev	functional	1998	British Council	unknown
	Chikunga	10	32	16	16							
	Chikunga	23	88	45	43							
	Chikusa	78	315	164	151							
	Chikuta	41	188	85	103							
	Chikwata	25	97	49	48							
	Chilaza	51	264	140	124	Chilaza EPA	mechanic borehole	Climax	functional	1972	Project	Central Africa Drillers
	Chilaza	28	115	59	56							
	Chileka	87	371	191	180	Chileka	mechanic borehole	Afridev	functional	1963	Government	unknown
	Chileka Division	18	77	39	38	Chileka	mechanic borehole	Afridev	functional	2002	Government	CHITSIME
	Chileka Trading Centre	88	438	237	201	Chileka ADMARC	mechanic borehole	Aquadev	functional	1995	ADMARC	unknown
						Chileka CDSS	mechanic borehole	Afridev	functional	1997	unknown	South African Co
						Chileka CDSS	mechanic borehole	Climax	functional	1997	Government	Government
						Chileka Health centre	mechanic borehole	Afridev	functional	2000	Government	unknown
						Chileka Market	mechanic borehole	Afridev	functional	2001	Government	Karaliya
✓	Chilima	32	128	54	74							
	Chilowe	28	125	66	59	Chilowe	mechanic borehole	Climax	functional	1971	Government	Government
	Chilowe	46	208	90	118	Chilowe	shallow well with hand pump	Maida	not functional	1998	World Vision	unknown
	Chimbulu	28	123	60	63	Chilowe	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
✓	Chimbwala	20	82	37	45							
	Chimidi	19	74	37	37							
	Chimukuyu	68	312	158	154	Chimukuyu	mechanic borehole	Afridev	not functional	1980	Government	Scheme
	Chimombo	6	25	11	14	Chimombo	shallow well with hand pump	Maida	functional	1994	Red Cross	Health Centre
	Chimongo	84	362	184	178	Chimongo	mechanic borehole	Climax	not functional	1971	Government	Government

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Chimono	43	143	64	79	Chimono	mechanic borehole	Afridev	functional	1999	EU	unknown
	Chimono	29	146	64	82							
	Chimowa	3	11	6	5							
	Chimphangu	8	61	30	31	Chimphangu	mechanic borehole	Afridev	functional	1999	MPs	unknown
	Chimphangu	14	60	23	37							
	Chimphaninji	22	106	50	56							
	Chimponda	18	84	36	48							
	Chimsewu					Chimsewu	mechanic borehole	Afridev	not functional	1978	Government	Government
	Chimsinde	33	140	65	75							
	Chimsolo	62	256	143	113	Chimsolo	mechanic borehole	Afridev	not functional	1998	Government	Government
	Chimsolo					Chimsolo	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Chimtwawira	42	157	75	82	Chimtwawira	shallow well with hand pump	no pump	not functional	1994	Germany Embassy	St Gabriel Hospital
	Chimtyolo	36	144	66	78							
	Chimwala	70	290	133	157	Chimwala	mechanic borehole	Climax	not functional	1971	Government	Government
	Chimwala					Chimwala	mechanic borehole	Afridev	not functional	1999	MASAF	unknown
	Chimwaza	62	337	167	170	Chimwaza	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	Chimwaza					Chimwaza	mechanic borehole	Afridev	functional	2002	MASAF	Government
	Ching'anga	13	55	27	28							
	Ching'oma	1	5	-	5							
✓	Ching'ona	39	224	115	109	Ching'ona	mechanic borehole	Afridev	functional	1972	Government	Government
✓	Chingondo	20	91	44	47							
	Chingwakwa	32	136	63	73							
	Chinjoka	48	221	117	104							
✓	Chinkhunda Mkwani	51	198	98	100	Chinkhunda	mechanic borehole	Afridev	functional	2001	EU	unknown
	Chinkhunda					Chinkhunda	mechanic borehole	Afridev	functional	1998	Government	Government
	Chinkowelo	19	112	59	53							
	Chinsewo	17	75	37	38							
	Chinsikwa	128	573	286	287							
	Chinsindo	48	205	101	104							
	Chioza	32	132	57	75	Chinyerere School	mechanic borehole	Afridev	functional	2001	EU	unknown
	Chipakapaka	48	185	77	108	Chipakapaka	mechanic borehole	no pump	not functional	1981	Government	Government
	Chipala Estate	28	147	74	73							
✓	Chipanga	128	556	290	266	Chipanga	mechanic borehole	Afridev	functional	2002	Government	Karaliya
	Chipeni	79	381	181	200	Chipeni	windlass well	no pump	not functional	1111	Government	Government
	Chiphwanya	97	479	246	233							
✓	Chipira	81	416	204	212							
	Chipochongo	15	63	28	35							
	Chiponda	12	88	41	47							
	Chipukwa	14	60	31	29	Chipukwa	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
	Chipumu					Chipumu	mechanic borehole	Afridev	functional	1992	Government	Government
	Chipumu	36	152	82	70							
	Chipwanya					Chipwanya	mechanic borehole	Afridev	functional	2000	EU	PL Drillers
	Chipwanya					Chipwanya	mechanic borehole	Afridev	functional	1971	Government	Government
	Chiqdzuire School					Chiqdzuire School	mechanic borehole	Afridev	functional	1999	unknown	unknown

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Requested Village	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Chisaka					Chisaka	mechanic borehole	Afridev	functional	2000	MASAF	CHITSIME
✓	Chisenga	36	159	72	87	Chisenga	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
✓	Chisikwa	21	103	58	45	Chisikwa	mechanic borehole	Climax	not functional	1983	Government	Government
✓	Chisikwa	31	163	86	77	Chisikwa	mechanic borehole	Afridev	not functional	1994	unknown	unknown
	Chisikwa					Chisikwa	mechanic borehole	Afridev	not functional	1973	Government	Government
	Chisikwa					Chisikwa	mechanic borehole	Afridev	functional	2000	EU	unknown
	Chisikwa Veterinary					Chisikwa Veterinary	mechanic borehole	Climax	not functional	1973	Government	Government
	Chisindo	53	240	119	121	Chisindo	mechanic borehole	Afridev	functional	1998	MASAF	Government
	Chisindo	16	78	41	37	Chisindo	mechanic borehole	Afridev	functional	1973	Government	Government
	Chiterende	6	26	14	12	Chisuka	mechanic borehole	Afridev	not functional	1973	Government	Government
	Chithambo	9	37	17	20							
✓	Chithangile	4	20	12	8	Chithangile (Chitangile)	mechanic borehole	Climax	not functional	1971	Government	Government
✓	Chithangile	34	147	68	79							
	Chithuzi	7	34	17	17							
	Chitopola	40	180	80	100	Chitopola	mechanic borehole	Afridev	functional	2000	EU	unknown
	Chitukula					Chitukula	shallow well with hand pump	Maida	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
✓	Chituwi	119	500	241	259	Chituwi	mechanic borehole	Afridev	functional	1999	MASAF	unknown
✓	Chituwi	39	179	96	83	Chituwi	mechanic borehole	Climax	not functional	1972	Government	Government
	Chitulambo					Chitulambo	mechanic borehole	Afridev	functional	2001	Danida	unknown
	Chijunjira	63	285	158	127							
	Chiwambo	67	321	157	164	Chiwambo	mechanic borehole	Afridev	functional	1971	Government	Government
	Chiwambo					Chiwambo	hand drilled borehole	Afridev	in progress	2004	Inter Aide	Inter Aide
	Chiwete (B)	70	321	159	162	Chiwete (B)	mechanic borehole	Afridev	functional	1999	MASAF	unknown
	Chiwete (B)	29	131	61	70	Chiwete (B)	shallow well with hand pump	Maida	functional	1987	Luxembourg Gvt	St Gabriel Hospital
	Chiwete (B)					Chiwete (B)	mechanic borehole	Climax	functional	1994	World Vision	World Vision
	Chiwete (B)					Chiwete (B)	mechanic borehole	Afridev	functional	2002	Danida	unknown
	Chizenje					Chizenje	mechanic borehole	Afridev	functional	1972	Government	unknown
✓	Chiziko	70	317	163	154	Chizenje	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
✓	Chiziko					Chiziko	mechanic borehole	Climax	not functional	1971	Government	Government
	Dama	25	94	44	50	Dama	mechanic borehole	Afridev	functional	2001	EU	unknown
	Dama	50	228	113	115	Dama	mechanic borehole	Climax	not functional	1971	Government	Government
✓	Dambo	113	461	216	245	Dambo	mechanic borehole	Climax	not functional	1971	Government	Government
	Dovu	25	103	44	59							
	Dyuke	18	98	45	53							
	Dzalanyama Forest	13	63	32	31	Dyuku	mechanic borehole	Afridev	not functional	1999	MASAF	unknown
✓	Dzama	132	559	283	276	Dzama School	mechanic borehole	Afridev	not functional	1984	Government	Government
✓	Dzinja	14	52	22	30							
✓	Dzinja	73	294	140	154							
✓	Dzoolo	61	235	111	124							
✓	Dzulawanda	146	556	325	231							
	Elias	30	145	62	83							
	Elita	15	51	19	32							
	Felankhope	19	95	52	43	Felankhope	mechanic borehole	Afridev	functional	2001	MASAF	unknown

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Requested Village	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Fisi	29	119	56	63	Fisi	mechanic borehole	no pump	not functional	1976	unknown	unknown
	Folomani	17	77	35	42							
	Funsamtima	9	32	15	17							
	Gadion	11	49	28	21	Gedi	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Genala	6	49	23	26							
	Gezani	27	112	54	58							
	Gilbati	32	150	69	81							
	Glyn	12	65	33	32							
	Goliat	81	366	186	180							
✓	Gome	51	234	112	122	Gome	shallow well with hand pump	Malda	not functional	1987	Government	Government
✓	Gontha	97	384	178	206							
✓	Guliguli	40	216	110	106	Guliguli	shallow well with hand pump	Malda	not functional	1999	Government	Government
	Guliguli	45	228	119	109							
	Gundula	65	283	130	153	Gundamtengo	shallow well with hand pump	Malda	not functional	1982	Health Center	Health Centre
						Gundula	mechanic borehole	Afridev	functional	2001	EU	unknown
						Gundula	mechanic borehole	Afridev	functional	2001	Proscarp	unknown
						Gundula	shallow well with hand pump	Malda	not functional	2000	Proscarp	unknown
✓	Gwani	15	69	28	41							
	Impala Estate	168	577	319	258							
	Jabesi	23	101	50	51							
	Jaloni	20	110	59	51							
						Jeke	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
	Jeredi	17	73	41	32							
	Jeremani	32	130	69	61							
	Jim	41	167	89	78							
						Jinja	shallow well with hand pump	Malda	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
						Jolamu	mechanic borehole	Afridev	functional	2002	MPs	Karaliya
	Jolofani	47	216	103	113							
✓	Jonas	35	142	64	78							
	Julius	17	63	30	33							
	Kabala (A)	88	409	199	210							
	Kabala (B)	25	94	52	42							
	Kabungwe	34	158	77	81	Kabungwe	shallow well with hand pump	Afridev	not functional	9999	Inter Aide	Inter Aide
✓	Kabwana	119	464	225	239	Kabwana	mechanic borehole	Afridev	not functional	1974	Government	Government
						Kabwana	mechanic borehole	Afridev	not functional	1974	Government	Government
	Kachawa Estate	17	81	37	44							
	Kachawa Estate	1	8	4	4							
	Kachawa Estate	13	60	27	33							
	Kachele	25	98	52	46	Kachedwa	mechanic borehole	Afridev	functional	2001	EU	unknown
	Kachiguya	98	425	204	221	Kachele	mechanic borehole	Afridev	functional	1972	Government	Government
						Kachiguya I	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
						Kachiguya II	hand drilled borehole	Afridev	in progress	2004	Inter Aide	Inter Aide
	Kachila	157	682	315	367							
	Kachingwe	38	176	92	84	Kachingwe	shallow well with hand pump	Malda	not functional	1111	Luxembourg Gvt	St Gabriel Hospital

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Kachitiseko	12	60	26	34							
	Kachulu	27	124	51	73							
	Kadyamkondo	10	51	29	22							
	Kadyaudzu	89	267	137	130	Kadyaudzu	mechanic borehole	Afridev	functional	1970	Government	Government
✓	Kadyaudzu	79	289	144	145	Kadzani	mechanic borehole	no pump	not functional	1973	NationalWDP	Government
	Kadzanja	134	658	337	321							
						Kafinya School	mechanic borehole	Afridev	functional	1999	EU	CHITSIME
✓	Kafunde	70	326	169	157							
	Kafunya School	13	66	33	33							
	Kagona (B)	23	99	46	53							
	Kagona (B)	20	88	37	51							
	Kajusi	14	63	34	29							
	Kakuyu Estate	5	33	17	16	Kakuyu	mechanic borehole	Climax	not functional	1962	Government	unknown
	Kalata	45	186	76	110							
	Kalazi	64	301	149	152							
	Kalolo	107	445	222	223	Kalolo	mechanic borehole	Afridev	functional	1998	unknown	unknown
	Kalolo	205	886	444	442	Kalolo	mechanic borehole	Afridev	functional	1999	unknown	unknown
	Kalolo	39	172	72	100	Kalolo Court	mechanic borehole	Climax	not functional	1974	Government	Government
						Kalolo School	mechanic borehole	Aquadev	not functional	1111	Religious institution	Other
						Kalolo School	mechanic borehole	Climax	functional	1972	Government	Government
✓	Kalonga	72	334	164	170							
✓	Kalongopyera	45	183	87	96							
	Kalusa	39	199	99	100							
	Kamangalumbi	33	120	53	67							
✓	Kamangila	29	116	66	50							
✓	Kamangila	58	254	131	123							
						Kamanzi	mechanic borehole	Aquadev	functional	1987	World Vision	unknown
✓	Kamatila	49	220	108	112	Kamatila	mechanic borehole	Climax	not functional	1971	Government	Government
						Kamatila	mechanic borehole	Afridev	functional	2000	MASAF	unknown
						Kamazi DEC	mechanic borehole	Afridev	functional	2002	Danida	unknown
						Kamazi School	mechanic borehole	Afridev	functional	1999	EU	unknown
						Kambafodya	mechanic borehole	Afridev	functional	2001	EU	unknown
✓	Kambaundi	6	19	7	12							
	Kamchire	33	144	74	70							
	Kamloza	78	339	149	190							
✓	Kampala	16	76	39	37							
						Kamtsalira	mechanic borehole	Afridev	functional	1999	MASAF	Government
	Kamsatila	20	79	37	42							
	Kamsengwa	85	386	189	197							
						Kamuloza	mechanic borehole	no pump	not functional	1971	Government	unknown
						Kamundaya	mechanic borehole	Afridev	functional	1998	unknown	unknown
	Kamvere	87	364	178	186							
	Kandaya	112	520	258	262							
	Kandaya	4	8	1	7							

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Requested Village	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Kameriba	39	154	71	83							
	Kangila	145	595	279	316							
✓	Kango	25	117	60	57	Kanjawala	mechanic borehole	Afridev	functional	1970	Government	Government
	Kanjilia	7	32	21	11	Kanjilia	mechanic borehole	Afridev	functional	1111	Government	Government
	Kankuwe	39	150	71	79	Kanjilia School	mechanic borehole	Afridev	functional	2001	EU	unknown
	Kankuwe B	10	40	19	21							
	Kantofole	8	41	20	21	Kansawa	mechanic borehole	Afridev	functional	1999	MASAF	unknown
	Kanyama	24	114	61	53							
	Kanyambwe	25	112	48	64	Kanyambwe	mechanic borehole	Afridev	functional	1998	Government	Government
	Kanyambwe	109	473	230	243	Kanyambwe	mechanic borehole	Afridev	functional	1970	Government	Government
	Kanyang'wa	5	25	10	15	Kanyambwe	mechanic borehole	Afridev	functional	1999	unknown	unknown
✓	Kanyopola	26	92	40	52							
	Kapapa	19	107	56	51							
	Kaphesi	29	128	65	63							
	Kaphwyo	23	114	54	60	Kaphira School	mechanic borehole	Afridev	functional	1991	UNICEF	unknown
	Kaponda	2	8	2	6	Kaponda	shallow well with hand pump	no pump	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
	Kaponda	29	106	54	52							
	Kapondanjoka	21	113	57	56							
	Kapondanjoka	5	21	12	9							
	Kapudzama	74	329	170	159	Kapudzama	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
	Kapunula Estate	31	153	75	78	Kapunula	mechanic borehole	Climax	not functional	1970	Government	Government
	Kapunula School	8	48	26	22	Kapunula School	mechanic borehole	Afridev	functional	1111	Government	unknown
	Kapunula	18	85	34	51							
	Kasanja	20	69	27	42							
✓	Kasenza	72	285	140	145	Kasengwa	mechanic borehole	Afridev	functional	1998	unknown	unknown
	Katakungwa	65	301	142	159							
	Katete	80	432	210	222							
✓	Kathumba	45	212	108	104	Kathumba	mechanic borehole	Climax	not functional	1980	Government	Government
	Katimba	33	136	67	69	Katimba	shallow well with hand pump	Maida	not functional	1995	Luxembourg Gvt	St Gabriel Hospital
	Katsumwa	48	211	99	112	Katsumwa School	mechanic borehole	Afridev	functional	1972	Government	Government
	Kawawa	52	256	136	120							
	Kawondo	58	262	141	121							
	Kaya	15	66	29	37							
	Kayembe	24	117	61	56							
	Kazilala	4	12	6	6							
✓	Kaziputa	40	191	96	95	Kaziputa	mechanic borehole	Afridev	functional	2002	Government	unknown
✓	Kaziputa	45	194	94	100							
✓	Kaziputa	8	35	19	16							
	Khanda C	81	342	171	171							

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Khanda	16	61	30	31		mechanic borehole	Afridev	not functional	1960	Government	Government
	Khokho	33	131	62	69							
	Khoswe	25	102	54	48							
	Khudu	23	99	41	58							
	Khunkhu	6	26	15	11	Khunkhu	mechanic borehole	Afridev	not functional	1999	MASAF	unknown
						Khunkhu	shallow well with hand pump	no pump	not functional	1994	Germany Embassy	St Gabriel Hospital
						Khuta	mechanic borehole	Afridev	functional	1999	EU	unknown
	Khutankumange	19	74	42	32							
	Khwamba	12	42	20	22							
	Konkhomala	52	232	134	98							
	Kuchombo	44	189	90	99							
	Kukatondo	29	139	70	69	Kukatondo	shallow well with hand pump	Malda	functional	1996	Health Center	Health Centre
✓	Kumtsinzi	10	43	23	20							
✓	Kumtsinzi	55	224	111	113							
						Kumusongwe	mechanic borehole	Afridev	functional	1999	EU	unknown
						Kutsizi	shallow well with hand pump	Malda	not functional	1987	Government	Government
	Kuwani	19	88	43	45	Kuwani	shallow well with hand pump	Malda	functional	1994	Luxembourg Govt	St Gabriel Hospital
✓	Kwebje	52	200	96	104							
	Kwindanguwo	19	84	41	43							
	Laimu	68	289	132	157	Laimu	mechanic borehole	Afridev	functional	2001	EU	unknown
	Lamek	23	106	53	53							
✓	Laudani	32	162	77	85							
						Lemwe	shallow well with hand pump	Malda	not functional	1986	World Vision	World Vision
						Lemwe	shallow well with hand pump	Malda	not functional	1980	Luxembourg Govt	St Gabriel Hospital
						Lemwe Clinic	mechanic borehole	Climax	functional	2001	MASAF	unknown
	Lemweto	101	464	224	240							
	Likanga	59	269	136	133	Likanga	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Likongwe	9	66	34	32							
	Likongwe	22	120	59	61							
	Lilani	31	138	76	62							
	Limbanazo Estate	3	18	9	9							
	Liwazi Dip Tank	2	10	5	5							
	Liwinga	46	240	119	121	Liwinga	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
	Lokongwe C.	24	114	68	46							
	Lundu	44	175	87	88							
✓	Lusha	84	375	188	187							
						Madetsa	mechanic borehole	Afridev	functional	2001	EU	Karaliya
✓	Madika	39	137	75	62							
	Madzi	164	674	313	361	Madzi	shallow well with hand pump	Afridev	not functional	9999	Inter Aide	Inter Aide
	Madzi	53	246	126	120	Madzi	mechanic borehole	Afridev	not functional	1111	Government	Government
	Mafula B.	10	50	25	25							
	Mafula B.	19	102	52	50							
	Mafula C.	89	363	174	189							
	Mafula	60	267	134	133	Mafula	mechanic borehole	Afridev	functional	1974	Government	Government

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Maifuta.....	47	188	96	92							
						Magada School	mechanic borehole	Afridev	functional	1999	EU	unknown
						Magombani	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
✓	Makala.....	58	268	123	145							
✓	Makala.....	52	206	111	95							
✓	Makanga.....	29	113	52	61							
	Matobola.....	39	190	103	87							
	Malemia.....	176	700	336	364							
	Malikebu.....	34	146	68	78	Malikebu	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	Malingamawa.....	23	96	46	50	Malingamawa	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
	Maliwa.....	140	675	322	353	Maliwa	mechanic borehole	Climax	not functional	1960	Government	Government
	Maliwa.....	4	19	8	11							
	Maliyana.....	24	123	66	57	Maliyana	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
	Malowa Estate.....	7	82	61	21							
✓	Malumbila.....	34	171	80	91							
						Malunje School	mechanic borehole	Afridev	not functional	1999	Government	Government
	Mandala.....	53	244	112	132	Mandala	mechanic borehole	Afridev	not functional	1972	Government	Government
✓	Mandindi.....	10	49	26	23							
	Mangochi.....	66	355	191	164							
	Manyoni.....	37	167	85	82							
						Mapiri	mechanic borehole	Afridev	functional	2000	MASAF	CHITSIME
						Mapiri	shallow well with hand pump	Malda	not functional	1998	Luxembourg Gvt	St Gabriel Hospital
	Marko Chingoma.....	13	43	26	17							
	Masekeje.....	22	110	65	45							
	Masula 2.....	14	72	35	37							
	Masula.....	101	446	202	244	Masula	mechanic borehole	Afridev	functional	1972	Government	Government
	Masumba.....	62	261	123	138							
	Matamula.....	11	55	28	27							
	Matanga.....	14	53	28	25							
	Matekwe.....	44	176	85	91	Matekwe	mechanic borehole	Afridev	functional	1994	MASAF	Government
						Matekwe	mechanic borehole	Afridev	functional	2002	MASAF	CHITSIME
	Matunduluzi.....	61	243	111	132	Matunduluzi	mechanic borehole	Afridev	functional	1976	Government	Government
	Mawere.....	20	132	62	70							
	Mazengera.....	15	65	34	31							
✓	Mbang'ombe.....	84	373	174	199	Mbang'ombe H/Centre	mechanic borehole	Climax	functional	1993	Germany Embassy	Shire Construction
	Mbano.....	48	197	114	83							
	Mberenga.....	21	91	47	44							
	Mbuto.....	57	290	133	157	Mbuto	mechanic borehole	Afridev	functional	1998	Government	Local artisans
	Mbwemba.....	49	214	98	116							
	Mchadza.....	36	147	72	75	Mchadza	mechanic borehole	Afridev	functional	2001	MASAF	unknown
	Mchambo (B).....	1	4	3	1							
	Mchambo (B).....	41	161	92	69							
✓	Mchawa.....	46	220	121	99							
✓	Mchawa.....	40	174	81	93							
	Mchepea.....	23	175	65	110	Mchepea	mechanic borehole	Afridev	not functional	1999	MPs	unknown

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Mchepela	40	188	87	101	Mchepera	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
	Mchiliko	22	78	41	37	Mchiliko	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	Mchiliko	29	135	70	65							
	Mdambwi	21	97	52	45							
	Mdapusa	11	52	27	25							
	Mdondwe	62	250	118	132							
	Mdzombwe School	2	16	8	8							
	Mdzoole	38	173	78	95	Mdzoole	mechanic borehole	Afridev	functional	2000	MASAF	unknown
						Mfuti	shallow well with hand pump	Afridev	not functional	2002	Inter Aide	Inter Aide
						Mgombe	rehabilitation of shallow well	Afridev	in progress	2004	Inter Aide	Inter Aide
	Mgombe					Mgombe	shallow well with hand pump	Malda	not functional	1989	World Vision	unknown
	Mgulula	44	191	91	100							
	Mgulula	49	215	110	105							
	Migodi	54	218	103	115							
	Ming'ong'o Ic	79	476	238	238	Ming'ong'o Ag.	mechanic borehole	Afridev	not functional	1111	Government	Government
						Ming'ong'o H/Centre	mechanic borehole	Climax	functional	1111	Government	unknown
	Mizati	35	162	79	83							
	Mizati	53	236	122	114							
	Mkaliwafa	38	165	87	78							
	Mkanda (B)	104	513	252	261	Mkaliwafa	mechanic borehole	Afridev	not functional	1971	Government	Government
	Mkanda School	12	52	36	16	Mkanda School	hand drilled borehole	Afridev	functional	1997	MASAF	unknown
	Mkanda	31	146	74	72	Mkanda	mechanic borehole	Afridev	not functional	1111	Government	Government
	Mkanda	126	553	278	275	Mkanda	mechanic borehole	Afridev	functional	2001	EU	unknown
						Mkanda	shallow well with hand pump	no pump	not functional	1993	Germany Embassy	St Gabriel Hospital
	Mkanthama	15	60	34	26							
	Mkantho	40	198	90	108	Mkantho	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
	Mkantho	4	18	7	11							
	Mkhozomba	19	86	37	49							
	Mkoko	72	318	147	171	Mkoko	mechanic borehole	no pump	not functional	1980	unknown	unknown
	Mkoko	15	74	37	37							
	Mkoloweke	33	129	57	72							
	Mkoloweke	1	2	1	1							
	Mkumba	25	118	53	65							
	Mkutwa	12	61	25	36	Mkutwa	shallow well with hand pump	Malda	functional	1994	Luxembourg Govt	St Gabriel Hospital
	Mkuwamba	36	175	90	85	Mkuwamba	shallow well with hand pump	Malda	not functional	1986	World Vision	World Vision
	Mkuwira	76	355	177	178	Mkuwira	mechanic borehole	Afridev	functional	2001	Government	Karaliya
	Mkwamba	57	224	105	119							
	Mkwezalamba	22	92	41	51							
	Mkwezalamba	18	84	40	44							
						Mlekhu	mechanic borehole	Climax	not functional	1971	Government	unknown
	Mlinga	83	327	147	180							
	Mlinga	32	147	74	73							
	Mliwu	87	352	170	182	Mliwu	mechanic borehole	Climax	not functional	1970	Government	Government
	Mndollo	12	63	34	29							
	Mndondwe	14	60	31	29							
	Mneku	44	208	99	109							

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Mngongonda.....	149	598	296	302							
	Mnjezu.....	82	286	151	135							
✓	Mnjeza.....	38	159	79	80							
✓	Mnjeza.....	43	180	82	98							
	Mhikhonje.....	23	101	55	46							
	Mofolo.....	11	84	30	54							
	Moses.....	51	206	95	111							
	Moses.....	48	218	96	122							
	Mpakiza.....	65	257	129	128							
	Mpama.....	33	138	69	69	Mpama	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
	Mpama A.....	9	29	13	16							
	Mphamba.....	64	272	127	145	Mphamba	mechanic borehole	Afridev	functional	2000	EU	unknown
	Mphandula (C).....	113	546	282	264							
	Mphandula.....	20	81	47	34							
	Mphandula School.....	18	82	40	42	Mphandula School	mechanic borehole	Afridev	functional	2001	EU	HEAD WORKS
	Mphezi.....	8	40	20	20							
	Mphoyo.....	17	66	27	39							
	Mphunda (B).....	50	247	118	129	Mphunda	mechanic borehole	Afridev	functional	1967	Government	Government
	Mphunda.....	28	105	40	65	Mphunda	shallow well with hand pump	Malda	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
	Mphunda.....	51	212	111	101	Mphunda	shallow well with hand pump	Malda	functional	1995	Luxembourg Gvt	St Gabriel Hospital
✓	Mpingo.....	35	169	81	88	Mpingo	shallow well with hand pump	Malda	not functional	1988	Government	Government
✓	Mpingo.....	50	205	90	115	Mpingo	mechanic borehole	Afridev	functional	2000	EU	unknown
✓	Mpingo.....	80	342	152	190	Mpingo	mechanic borehole	Afridev	not functional	1998	Government	Government
✓	Mpondamwala.....	29	110	47	63							
	Msama.....	7	21	11	10							
	Msampha.....	73	315	150	165	Msampha	mechanic borehole	Afridev	not functional	1977	Government	Government
	Msangwa.....	4	20	11	9	Msangwa	mechanic borehole	Afridev	functional	1971	Government	unknown
	Msangwa.....	108	529	283	246							
	Msangwa.....	171	767	373	394							
	Msangwa Estate.....	10	56	24	32							
	Mseru.....	80	374	187	187	Mseru	mechanic borehole	Afridev	functional	1994	unknown	unknown
	Mseru.....					Mseru	mechanic borehole	Afridev	functional	2000	Proscarp	unknown
	Mseru.....					Mseru	mechanic borehole	Afridev	functional	2001	EU	unknown
	Msichi.....	10	48	23	25							
	Msikoneza.....	94	415	202	213	Msipu	mechanic borehole	Afridev	functional	1992	Government	Schetne
	Msipu.....	90	384	180	204	Msikoneza	mechanic borehole	Climax	not functional	1981	Government	Government
	Msongphoka.....	50	235	121	114	Msongphoka	mechanic borehole	Afridev	functional	2001	MASAF	unknown
	Msongole.....	57	283	140	143	Msongphoka	shallow well with hand pump	Malda	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
	Msongole.....	34	133	65	68							
	Msumba.....	49	274	139	135	Msumba	mechanic borehole	Afridev	functional	2001	EU	unknown
	Msumdwe.....	11	49	23	26	Msumdwe Church	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Msumdwe.....	260	1,196	622	574	Msumdwe Mkt	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Msumdwe.....					Msumdwe TC	mechanic borehole	Afridev	functional	2000	EU	unknown

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Msunza.....	44	185	88	97	Msunzwe TC	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Mtali.....	144	613	312	301	Msuza	mechanic borehole	Afridev	functional	1998	Government	Government
	Mtali.....	34	164	86	78	Mtali	mechanic borehole	Afridev	not functional	1972	unknown	Government
	Mtali C.....	65	295	144	151							
	Mtapa.....	39	168	84	84	Mtapa School	mechanic borehole	Afridev	functional	1998	Government	Government
	Mtapa.....	15	72	35	37	Mtapa School	shallow well with hand pump	Malda	not functional	1986	World Vision	World Vision
	Mtapa.....	48	192	96	96	Mtapa	shallow well with hand pump	Afridev	not functional	1999	Inter Aide	Inter Aide
	Mtapa.....	26	124	67	57							
	Mtapa.....	33	153	79	74							
	Mtapa.....	119	492	240	252	Mtapa	mechanic borehole	Afridev	functional	1968	Government	Government
	Mtapa.....	51	236	104	132	Mtapa	mechanic borehole	Climax	not functional	1971	Government	Government
	Mtapa.....	40	175	85	90	Mtapa	mechanic borehole	Afridev	not functional	1970	Government	Government
	Mtapa.....	42	188	92	96	Mtapa	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Mtapa.....	22	101	52	49	Mtapa	mechanic borehole	Afridev	not functional	1971	Government	Government
	Mtapa.....	100	459	243	216	Mtapa	mechanic borehole	Afridev	not functional	1970	Government	Government
	Mtapa.....	13	75	39	36	Mtapa	mechanic borehole	Afridev	not functional	1971	Government	Government
	Mtapa.....	31	128	61	67	Mtapa	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Mtapa.....					Mtapa	mechanic borehole	Afridev	functional	2002	MASAF	unknown
	Mtapa.....					Mtapa	mechanic borehole	Afridev	not functional	1111	Government	Government
	Mtapa.....					Mtapa	mechanic borehole	Afridev	not functional	2001	EU	unknown
	Mtapa.....					Mtapa	mechanic borehole	Afridev	functional	2001	EU	unknown
	Mtapa.....					Mtapa	shallow well with hand pump	Malda	not functional	1988	World Vision	unknown
	Mtapa.....					Mtapa	mechanic borehole	Afridev	functional	2001	EU	unknown
✓	Muzayani.....	55	230	99	131	Mukunya	mechanic borehole	Afridev	not functional	1974	Government	Government
✓	Muyala.....	128	496	249	247	Muyala	mechanic borehole	Afridev	not functional	1974	Government	Government
	Muzonde (B).....	14	83	43	40	Muzonde	mechanic borehole	Afridev	not functional	1974	Government	Government
	Mvalenji Farm.....	19	88	39	49	Mvalenji	mechanic borehole	Climax	not functional	1974	Government	Government
	Mwajuma.....	20	92	42	50	Mwajuma	mechanic borehole	Climax	not functional	1974	Government	Government
	Mwanga Estate.....	2	6	4	2	Mwanga	mechanic borehole	Afridev	not functional	1974	Government	Government
	Mwanga.....	42	205	103	102	Mwanga	shallow well with hand pump	Malda	not functional	1981	Government	Health Centre
	Mwase.....	120	527	266	261	Mwase	mechanic borehole	Afridev	functional	2001	EU	unknown
	Mwase.....	20	86	42	44	Mwase School	mechanic borehole	Afridev	not functional	1999	EU	Government
	Mwase.....	69	267	126	141	Mwase	mechanic borehole	Afridev	not functional	1993	Religious_institution	Other
	Mzindo.....	56	233	124	109	Mzindo	mechanic borehole	Afridev	not functional	1969	Government	Government
	Mzindo.....	3	8	4	4	Mzindo	mechanic borehole	Afridev	functional	1969	Government	Government
	Mzombe.....	39	145	71	74	Mzombe Church	mechanic borehole	Climax	not functional	1973	Government	Government
	Mzombe.....	101	446	201	245	Mzombe School	mechanic borehole	Afridev	functional	1999	EU	unknown
	Mzombe.....					Mzombe School	mechanic borehole	Afridev	not functional	1993	Religious_institution	Other
	Mzombe.....					Mzombe	mechanic borehole	Afridev	functional	1969	Government	Government

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
✓	Mzungu	36	162	75	87	Mzungu	shallow well with hand pump	Malda	functional	1977	Government	Government
	Nachiwombe	2	9	3	6	Nachiwombe	rehabilitation of shallow well	Afridev	functional	2003	Inter Aide	Inter Aide
	Namitete Estate	88	249	135	114	Namitete Market	mechanic borehole	Afridev	functional	2002	M. Parliament	unknown
	Namitete School	7	44	26	18	Namitete School	mechanic borehole	Climax	not functional	1992	Luxembourg Gvt	St Gabriel Hospital
	Namitete Tc (A)	128	604	311	293	Namitete Police station	mechanic borehole	Climax	functional	1111	Government	unknown
	Namitete Tc (B)	131	628	323	305	Namitete Mosque	mechanic borehole	Afridev	not functional	1998	Randella	unknown
	Namitete Tc (C)	281	1,394	712	682							
	Namitete Technical	44	244	108	136							
	Namitondo	112	433	233	200	Namitondo	mechanic borehole	Aquadev	functional	1982	Government	unknown
	Namitondo	37	181	98	83	Namitondo	mechanic borehole	no pump	not functional	1111	Government	unknown
	Namitondo Forest	16	117	69	48	Namitondo	mechanic borehole	Afridev	functional	1998	unknown	unknown
	Nathando	55	227	117	110	Nathando	shallow well with hand pump	Malda	not functional	1982	Government	Government
	Ndalama	36	161	82	79	Nathando	mechanic borehole	Afridev	functional	2002	MASAF	unknown
	Ndapata	37	159	88	71							
	Ndapata B	26	117	59	58							
	Ndavayani	21	78	43	35							
	Ndebvu (A)	266	1,271	618	653	Ndebvu	mechanic borehole	Afridev	functional	1998	MASAF	unknown
	Ndebvu B	22	89	47	42	Ndebvu	mechanic borehole	Afridev	functional	1998	MASAF	Government
	Ndebvu	40	194	105	89	Ndebvu	mechanic borehole	Afridev	functional	1998	MASAF	Government
	Ndebvu	27	139	68	71	Ndebvu	mechanic borehole	Afridev	functional	1998	MASAF	Government
	Nefitai	11	46	25	21	Ndebvu School	shallow well with hand pump	Malda	not functional	1994	St Gabriel Hospital	St Gabriel Hospital
	Nene	35	138	64	74							
	Nene	5	16	6	10	Nene	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	Ngobego	48	235	110	125							
	Njande	97	381	199	182	Ngoma	mechanic borehole	Climax	not functional	1960	Government	Government
	Njeresa	25	120	58	62							
	Njoka	61	306	147	159	Njoka	shallow well with hand pump	Afridev	functional	1995	Luxembourg Gvt	St Gabriel Hospital
	Njolomole	10	42	23	19							
	Nkhata	49	231	121	110	Nkhanda	shallow well with hand pump	Malda	not functional	1999	Government	Water Boring
✓	Nkhata	4	24	15	9	Nkhata	shallow well with hand pump	Malda	not functional	1989	Government	Government
	Nkhozomba	23	105	61	44	Nkhokota	mechanic borehole	Afridev	functional	2002	EU	Karaliya
	Nkhungulu	64	264	133	131							
	Nkhungulu	32	142	75	67							
	Nkhungulu	8	38	18	20							
✓	Nkhwambala	133	615	297	318	Nkwambala	mechanic borehole	Afridev	functional	1111	Government	Government
✓	Nkhwambala	7	43	23	20							
	Nkhwangwa	31	152	76	76							
	Nkhwangwi	73	368	168	200	Nkoko School	mechanic borehole	Aquadev	functional	1992	Government	unknown

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Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Ntchentsche	71	306	142	164	Ntchentsche	mechanic borehole	Afridev	not functional	1999	Government	Government
✓	Ntchisi	9	62	27	35	Nthondo	mechanic borehole	Climax	not functional	1977	Government	Government
	Nthondo (B)	180	805	399	406	Nthondo H/Centre	mechanic borehole	Climax	not functional	1989	Government	Shire Construction
	Nthondo	4	14	6	8	Nthondo TC	mechanic borehole	Afridev	functional	2002	MASAF	unknown
✓	Nyanda	117	494	246	248							
	Nyangulu	24	93	53	40	Nyanja ADMARC	mechanic borehole	Climax	functional	1987	Government	Government
	Nyanja Tc	39	195	92	103	Nyemba	mechanic borehole	Afridev	functional	2001	EU	unknown
	Nyemba	36	144	73	71	Nyemba	mechanic borehole	Afridev	not functional	1960	Government	Government
✓	Nyozwe	67	323	150	173							
	Nyundo	5	19	10	9							
	Osten	24	119	61	58	Palimtima	shallow well with hand pump	Malda	functional	1987	Luxembourg Gvt	St Gabriel Hospital
✓	Palimtima	14	67	32	35							
✓	Palimtima	20	89	43	46							
	Pasankhwa B	77	260	131	129							
	Patsamphandu	38	155	80	75							
	Phale	37	152	69	83	Phale	mechanic borehole	Afridev	functional	1998	Government	Government
	Phewa	29	126	67	59	Phewa	windlass well	no pump	not functional	1938	Government	Government
	Phewa	53	221	122	99	Phewa	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
	Phula	15	67	36	31							
✓	Phulamazira	96	385	184	201	Phulamazira	shallow well with hand pump	other	not functional	1111	Government	Government
	Richard	20	87	36	51	Phulamazira	mechanic borehole	Climax	not functional	1970	Government	Government
	Sabvala	54	216	107	109	Sabvala	shallow well with hand pump	Malda	not functional	1996	Luxembourg Gvt	St Gabriel Hospital
	Samuti	5	26	13	13							
	Sandikonda	53	277	147	130							
	Sani	68	311	150	161	Sani	mechanic borehole	Afridev	not functional	1993	Government	Government
✓	Sankhulani	62	290	133	157							
	Santhe	148	685	337	348	Santhe	mechanic borehole	Afridev	functional	1952	Government	Government
						Santhe	mechanic borehole	Afridev	functional	1991	Government	Government
						Santhe School	mechanic borehole	Afridev	functional	2002	MASAF	unknown
						Sckalanje	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	Sekeleni	31	176	91	85							
						Sendeza Estate	mechanic borehole	Climax	functional	1973	Private	Government
✓	Sermu	32	175	99	76							
	Shangula	15	67	38	29	Shangula	mechanic borehole	Afridev	not functional	1998	Government	Government
	Shumba	10	43	21	22							
	Sichongo	21	91	52	39	Sichongo	shallow well with hand pump	no pump	not functional	9999	Inter Aide	Inter Aide
	Sikanadze	30	151	71	80							
						Sikanawawe	shallow well with hand pump	Afridev	functional	1998	self_help	Self help
	Sikweya	37	163	86	77							
						Simoni	shallow well with hand pump	Malda	functional	1995	Luxembourg Gvt	St Gabriel Hospital
	Sinoya	16	74	42	32							
	Sinoya	24	100	44	56							

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✓	Sinumbe	4	22	9	13	Sinumbe	mechanic borehole	Climax	not functional	1974	Government	Government
✓	Sinumbe Tc.	122	618	305	313	Sinumbe	windlass well rehabilitation of above well	no pump Afridev	not functional functional	1938 2003	Government Inter Aide	Government Inter Aide
						Sinumbe School	mechanic borehole	Afridev	not functional	1999	EU	unknown
						Sinumbe School	mechanic borehole	Afridev	not functional	1970	Government	Government
✓	Sosola	8	21	11	10	Songole	windlass well	no pump	not functional	1938	Government	Government
✓	Sosola	33	147	60	87							
	St Gabriels Hospital	47	575	174	401	St Gabriels Hospital	mechanic borehole	Afridev	functional	1111	unknown	St Gabriel Hospital
						Tambala	shallow well with hand pump	Malda	not functional	1994	Red Cross	Health Centre
						Tchilla	shallow well with hand pump	no pump	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
	Tembo	7	36	20	16							
	Tongozala	118	564	258	306	Tongozala	mechanic borehole	Afridev	functional	1971	Government	Government
	Tsabango	35	142	75	67							
	Tsinkha	40	186	86	100							
	Tsinkha	8	29	14	15							
	Tsokole Estate	4	22	11	11							
	Tupe	10	40	17	23							
	William	68	278	144	134	William	shallow well with hand pump	Malda	not functional	1989	World Vision	Chilembe Drilling Co
	William	30	153	76	77	William	mechanic borehole	Afridev	functional	1998	Private	unknown
	Wolotala	2	18	11	7							
	Wonga	30	152	79	73							
✓	Yotamu	26	115	65	50							
	Yuda	8	35	19	16							
✓	Zakalia	11	56	26	30							
	Zambo	11	47	26	21							
	Zava	6	26	16	10	Zatheka	shallow well with hand pump	Malda	functional	1995	self help	Local artisans
	Zikaonga B.	4	19	6	13							
	Zikaonga	9	45	22	23							
	Zikaonga	118	507	240	267							
	Zoipa	7	33	14	19							

\*: Many village names in requested 254 villages list are not shown in 1998 Census data shown above.

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KHONGONI TA/EA

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KHONGONI TA/EA

Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	***KHONGONI***	15,906	76,121	38,201	37,700	***KHONGONI***						
	Benjamini	21	72	34	38	Amoni	shallow well with hand pump	Malda	not functional	1996	World Vision	World Vision
✓	Bowa	13	70	42	28	Bondo	hand drilled borehole	Malda	functional	1999	Proscarp Government	unknown Government
	Bvizimba (B)	35	172	82	90	Bondo School	mechanic borehole	Afridev	functional	1111	Government	Government
	Bvunguti	29	137	59	78	Chabvunga	mechanic borehole	Afridev	not functional	1998	Government	Government
	Bzyalani	19	80	46	34	Chalpa	mechanic borehole	Climax	not functional	1974	World Vision	World Vision
	Chabvunga	94	450	223	227	Chalonga (A)	mechanic borehole	Afridev	functional	1111	Government	Government
	Chadaka	13	55	27	28							
✓	Chaipa	45	221	117	104							
✓	Chalonga (A)	108	535	269	266							
	Chambala (B)	16	77	36	41							
	Chambala	57	231	113	118							
	Champhula	14	77	41	36							
	Champhula	60	332	164	168							
	Champhula	16	106	54	52							
	Chandale	14	61	34	27							
	Chateka (B)	58	266	124	142	Chateka	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Chateka	46	182	96	86	Chateka	mechanic borehole	Afridev	not functional	1111	Government	Government
	Chazozoma	5	22	9	13	Chazozoma School	mechanic borehole	Afridev	not functional	1999	Religious institution	unknown
	Chenjerani	11	36	17	19							
	Chibvina	81	411	211	200							
	Chibvina	35	198	95	103							
	Chibvina	161	798	406	392							
	Chibwazi	36	179	89	90	Chibwazi	mechanic borehole	Afridev	functional	2002	MASAF	unknown
	Chichitike	15	90	51	39							
	Chidzodzi	13	55	28	27							
	Chifuka	16	71	44	27	Chifuka Shool	mechanic borehole	Afridev	functional	2000	Danida	unknown
✓	Chigowo	43	208	116	92	Chigowo	mechanic borehole	Afridev	functional	2000	MASAF	unknown
✓	Chigowo	5	16	10	6							
	Chigumula	31	152	80	72							
	Chikafa	12	62	32	30							
	Chikako	65	293	148	145							
	Chikakula	44	253	134	119							
	Chikunkhulira	30	122	60	62	Chikunkhulira	mechanic borehole	Afridev	not functional	1998	Government	Government
✓	Chilaka	28	147	74	73	Chikweteza	mechanic borehole	Afridev	not functional	1971	Government	Government
	Chilaka	2	8	6	2	Chilaka	mechanic borehole	Afridev	functional	2000	unknown	unknown
	Chilamba	16	79	48	31							
	Chilimbwe	13	56	31	25	Chilimbwe	windlass well	other	not functional	1111	unknown	unknown
	Chilimbwe	37	145	70	75	Chilimbwe court	mechanic borehole	Afridev	not functional	1998	Government	Government

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KHONGONI T/A/E A

KHONGONI T/A/E A

2003 Water Point Mapping

Requested Village*	Village	House-holds	Total Population	Males	Females	Village Dispensary	Water Source	Pump Type	Condition	Const. Year	Funds	Services
✓	Chilowa (A)	128	708	355	353	Chilobwe Dispensary	mechanic borehole	Climax	functional	2001	MASAF	unknown
✓	Chilowa (B)	113	520	256	264	Chilowa	mechanic borehole	Climax	not functional	1111	Government	Government
✓	Chilowa	1	14	14	-							
✓	Chilufu	31	157	78	79							
	Chimbwi (B)	45	151	67	84	Chimbwi (B)	mechanic borehole	Afridev	functional	1971	Government	Government
	Chimbwi School	76	349	182	167	Chimbwi (A)	mechanic borehole	Afridev	not functional	1968	Government	Government
	Chimimba (A)	54	240	121	119							
	Chimimba (B)	32	155	76	79							
	Chimimba (C)	77	363	167	196							
✓	Chimombo (A)	66	404	191	213							
	Chimoto	13	65	32	33							
✓	Chirphepo	8	28	11	17							
✓	Chirphepo	4	14	6	8							
	Chintolo	13	77	41	36	Chintolo	mechanic borehole	Afridev	not functional	1998	unknown	CHITSIME
	Ching'anga (B)	52	261	126	135	Ching'anga	mechanic borehole	Afridev	functional	2002	World Vision	World Vision
	Ching'anga	52	234	117	117							
	Ching'anga	20	84	46	38							
	Chinthowa (A)	36	135	71	64							
	Chinthowa (A)	56	223	115	108							
	Chinthutha	61	308	156	152	Chinthutha	windlass well	other	not functional	1111	Government	Government
	Chintolo	41	240	124	116							
	Chinyama	22	142	67	75							
	Chinyama	14	69	31	38							
	Chinyama	70	318	181	137							
	Chipale Estate	209	1,129	589	540							
	Chipandevu	15	82	44	38	Chipandevu	shallow well with hand pump	Malda	not functional	1997	Health Center	Health Centre
✓	Chipeni	37	178	81	97	Chipeni	mechanic borehole	Afridev	not functional	1998	Government	Government
✓	Chipeni	67	388	212	176	Chipeni	windlass well	other	not functional	1111	Government	Government
	Chiphwanya (A)	197	915	478	437	Chiphwanya (A)						
	Chiphwanya (B)	75	362	182	180	Chiphutu	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Chipwafu	14	48	28	20							
	Chisumphu	25	103	45	58							
	Chitaya Estate	42	150	86	64							
	Chitete	49	233	99	134							
✓	Chithemba	42	172	93	79	Chithemba	mechanic borehole	Afridev	functional	1970	Government	Government
✓	Chitindi	17	59	33	26							
	Chitsiru	23	107	55	52							
	Chitukwi	64	252	126	126							
	Chiungu	2	2	2	-							
	Chiungu	16	79	36	43							

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KHONGONI T/A/E/A

KHONGONI T/A/E/A

Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Chiwoko	112	521	271	250	Chivina	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	Chiyani	44	203	85	118							
	Chmtolo	74	368	178	190							
	Chola (A)	40	206	93	113							
	Chola (B)	81	429	204	225							
	Diki	32	146	69	77	Dickson	mechanic borehole	Maida	functional	1996	Health Center	Health Centre
	Dzuwa (A)	77	358	162	196	Dzuwa School	mechanic borehole	Afridev	functional	2000	Germany Embassy	unknown
	Dzuwa	17	129	59	70							
	Dzuwa	3	19	11	8							
	Galang'ombe	36	136	63	73	Galang'ombe	mechanic borehole	Afridev	functional	1998	MASAF	unknown
	Galang'ombe	52	244	116	128							
	Gomba	59	272	133	139							
	Gulumba (A)	28	106	59	47							
	Gulumba (B)	80	377	181	196							
	Gulumula	23	77	38	39							
	Imfa	50	181	89	92	Imfa	mechanic borehole	Afridev	not functional	1974	Government	Government
	Jauzale	40	204	105	99							
	Jekete	19	88	43	45	Jauzale	mechanic borehole	Afridev	not functional	1998	Government	CHITSIME
	Jentala	45	142	69	73	Jentala	mechanic borehole	Climax	not functional	1981	World Vision	World Vision
	Kabanga	27	146	65	81	Kabanga	mechanic borehole	Afridev	not functional	1999	MASAF	unknown
	Kabao	24	98	50	48							
	Kabondo	4	42	22	20							
	Kabondo	96	493	229	264							
	Kabondo	30	147	74	73							
	Kabondo	159	938	500	438							
	Kabondo	14	67	30	37							
	Kabondo	12	59	31	28							
						Kabudula	mechanic borehole	Afridev	not functional	1998	MASAF	unknown
						Kachele	mechanic borehole	Afridev	not functional	1998	Government	CHITSIME
	Kachilikiza	51	244	120	124							
	Kachipanda	36	158	76	82							
	Kadzuzu	31	170	83	87							
	Kakhumate	102	417	201	216	Kakhumate	mechanic borehole	Afridev	not functional	1998	Government	Government
	Kakhumate	10	44	24	20							
						Kakhwesi	mechanic borehole	Afridev	functional	1999	unknown	unknown
	Kakoloweke	103	515	258	257	Kakoloweke	mechanic borehole	Afridev	not functional	1111	Government	Government
	Kalama (A)	20	103	50	53	Kalama	mechanic borehole	Afridev	not functional	1968	Government	Government
	Kalama (B)	214	1,042	529	513							
	Kalama	51	235	122	113							
	Kalokwe	91	437	213	224							

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KHONGONI T/A/E A

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KHONGONI T/A/E A

Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
✓	Kalunga	26	140	70	70	Kalumbi	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Kalumbizira	37	194	104	90							
	Kaluza	23	128	55	73							
✓	Kaluzi (A)	20	102	53	49	Kaluzi (A)	mechanic borehole	Afridev	functional	1970	Government	Government
	Kamange	10	45	23	22	Kamange	mechanic borehole	Afridev	functional	1978	Government	Government
	Kamange	20	81	37	44							
	Kambala	5	23	10	13							
	Kambale	23	95	44	51							
	Kambiya	25	114	54	60							
✓	Kambudzi	89	364	189	175	Kambudzi	mechanic borehole	Afridev	functional	1974	Government	Government
	Kambuyana	109	545	274	271	Kambuyana	mechanic borehole	Climax	not functional	1974	Government	Government
	Kambuyana	27	106	62	44	Kambuyana School	mechanic borehole	Afridev	functional	2002	MASAF	unknown
	Kambuyana	72	316	152	164							
	Kamkamba	3	17	10	7							
	Kantepa	22	98	55	43							
	Kanzimbi (A)	7	42	23	19	Kanzimbi (A)	mechanic borehole	Climax	not functional	1111	Government	Government
	Kanzimbi (B)	64	288	133	155	Kanzimbi School	mechanic borehole	Afridev	not functional	1999	MASAF	unknown
	Kangunje	21	107	56	51	Kangunje	mechanic borehole	Afridev	functional	1974	Government	Government
✓	Kanjanja (A)	14	66	34	32							
✓	Kanjanja (C)	36	158	82	76							
✓	Kanjanja	34	146	68	78							
	Kanjedza (A)	17	103	48	55							
	Kanjedza	38	233	124	109							
	Kanjeza	2	13	6	7							
	Kanjeza	12	55	29	26							
	Kanjuluwende	22	111	43	68	Kanjuluwende	mechanic borehole	Climax	not functional	1970	Government	Government
	Kankongo	3	16	7	9							
	Kansawa	80	376	188	188							
	Kanthen'ende	30	154	71	83							
	Kanyangala	6	32	16	16							
✓	Kanzola	38	180	88	92							
✓	Kaodzela	8	30	15	15	Kaodzela	mechanic borehole	Afridev	not functional	1972	Government	Government
	Kaodzera	60	280	142	138							
	Kapangalika (A)	69	380	187	193	Kapangalika	mechanic borehole	Afridev	not functional	1998	Government	Government
	Kapangalika	21	120	73	47							
	Kapezi	57	268	125	143							
✓	Kaphiri	88	464	229	235	Kaphiri	mechanic borehole	Afridev	not functional	1111	Government	Government
✓	Kaphiri	8	25	10	15							
	Kapichi	59	308	165	143	Kaphukira	mechanic borehole	Climax	not functional	1970	Government	Government
✓	Kapudzama	58	269	116	153	Kapudzama	mechanic borehole	Afridev	not functional	1970	Government	Government

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KHONGONI TA/EA

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KHONGONI TA/EA

Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Kapumphu.....	40	220	111	109							
	Kapumphu.....	23	130	72	58	Kapudzama School	mechanic borehole	Afridev	functional	1995	unknown	unknown
	Kapundu.....	86	468	248	220	Kapudzama School	hand drilled borehole	Afridev	functional	1997	EU	World Vision
	Kapundu.....	12	64	39	25	Kapudzama School	mechanic borehole	Afridev	functional	2002	Danida	unknown
	Kapuzama (A).....	94	465	255	210							
	Kasamila.....	35	147	69	78							
	Kasamila.....	50	165	84	81							
	Kasamu.....	58	285	138	147							
	Kasanda (A).....	120	524	257	267	Kasanda	mechanic borehole	Afridev	not functional	1970	Government	Government
	Kasanda.....	27	102	57	45							
✓	Kasitomu.....	23	122	59	63							
	Kasiya (A).....	150	660	354	306	Kasiya	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Kasiya Trading Centre I.....	236	1,121	624	497	Kasiya	mechanic borehole	Afridev	functional	1999	MASAF	unknown
	Kasiya.....	44	193	99	94	Kasiya	mechanic borehole	Climax	not functional	1984	Government	Government
	Kasiya.....	285	1,345	665	680	Kasiya	mechanic borehole	Afridev	functional	1972	Government	Government
						Kasiya ADMARC	mechanic borehole	Climax	not functional	1973	Government	Government
						Kasiya Police	mechanic borehole	Afridev	functional	1963	Government	Government
						Kasiya School	mechanic borehole	Afridev	functional	1111	MASAF	unknown
						Kasiya School	mechanic borehole	Afridev	functional	1997	MASAF	unknown
	Kasoni.....	64	320	166	154							
	Kasonjola Estate.....	108	599	325	274							
	Katauta.....	1	1	1	-							
	Kataya.....	2	14	8	6							
	Katenje (B).....	32	158	78	80							
	Katenje.....	225	1,059	522	537							
	Katenje.....	67	317	148	169							
	Katheng'ende.....	34	142	60	82							
	Katutula.....	35	169	93	76	Katiyi	mechanic borehole	Afridev	functional	2000	MASAF	unknown
✓	Kawalika.....	79	405	207	198	Kawalika	mechanic borehole	Climax	not functional	1111	Government	Government
✓	Kawalika.....	101	496	254	242							
	Kaziputa.....	35	154	80	74	Kazingatchire	mechanic borehole	Afridev	not functional	2000	MASAF	unknown
	Kazumba.....	50	280	139	141	Kazumba	mechanic borehole	Afridev	not functional	1111	Government	Government
	Kazumba.....	9	45	23	22	Kazumba School	mechanic borehole	Afridev	not functional	1111	Government	Government
	Kazumba.....	14	71	35	36							
✓	Khongoni (A).....	98	482	246	236	Khasu School	mechanic borehole	Afridev	functional	1111	Government	Government
✓	Khongoni (B).....	22	90	48	42	Khongoni	mechanic borehole	Afridev	not functional	1998	MASAF	unknown
						Khongoni HI/Centre	mechanic borehole	Afridev	not functional	1111	Government	Government

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KHONGONI T/A/E/A

KHONGONI T/A/E/A

Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
✓	Khongoni	3	13	5	8	Khongoni H/Centre	mechanic borehole	Afridev	functional	1998	Government	Other
✓	Khongoni	1	5	3	2							
✓	Khongoni	20	81	37	44							
	Khunyungu	58	277	138	139							
						Kosamu	mechanic borehole	Afridev	functional	1111	Government	Government
						Kosamu	windlass well	other	not functional	1111	OTHER	Other
	Kwechelani	24	127	65	62							
	Lisoka	13	58	28	30							
	Lidp Unit 11	10	63	35	28							
	Lombwa	115	503	252	251							
	Lubwe	14	65	33	32							
	Lumwila	31	159	81	78							
✓	Mabutao	43	196	95	101							
	Machilika	54	184	93	91							
✓	Madzonga (B)	23	80	41	39	Madzonga	mechanic borehole	Afridev	functional	2000	MASAF	unknown
✓	Madzonga (C)	62	223	113	110							
✓	Madzonga	31	137	68	69							
	Majiga T.C.	41	180	96	84							
	Majiga	19	108	48	60	Majiga	mechanic borehole	Afridev	functional	1111	Government	Government
	Majiga	20	95	47	48	Majiga School	mechanic borehole	Afridev	functional	1998	MASAF	unknown
	Makhaza	14	75	36	39							
	Makhokwe	74	331	161	170							
✓	Makowa	5	25	13	12	Makowa	mechanic borehole	Afridev	not functional	1111	Government	Government
	Makumbi	16	81	36	45							
	Makufa	64	291	132	159							
	Malamula	52	243	128	115	Malembo	mechanic borehole	Afridev	not functional	1970	Government	Government
	Malembo	84	425	218	207	Malembo H/Centre	motorised standpipe	other	functional	2003	Netherlands Gvt	unknown
	Malembo					Malembo School	mechanic borehole	Afridev	functional	2002	Germany Embassy	Chilembe Drilling Co
						Malembo School	mechanic borehole	Afridev	functional	2002	Germany Embassy	Chilembe Drilling Co
						Malembo School	mechanic borehole	Afridev	not functional	1111	Government	Government
	Mandevu	30	119	61	58							
						Mandindi	mechanic borehole	Afridev	not functional	1998	Government	CHITSIME
	Manganansi	20	104	49	55							
✓	Mangirira	54	280	140	140	Mangirira	mechanic borehole	Afridev	functional	2000	unknown	unknown
✓	Mapondera	53	264	128	136							
	Masachi	53	244	121	123							
	Mashanga (B)	29	149	71	78							
	Mashanga	61	285	160	125							
	Matekwe (B)	72	321	158	163	Matekwe (B)	mechanic borehole	Climax	not functional	1971	Government	Government
	Mawole	18	80	39	41							
	Mayani	21	106	54	52							
	Mayani	41	185	88	97							

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Requested Village	Village	House-holds	Total Population	Males	Females	Village Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Mayela	19	74	39	35						
	Mazinga (A)	86	396	198	198						
	Mazinga	102	556	284	272	Mazinga	Afridev	not functional	1111	Government	Government
	Mazinga					Mazinga	Afridev	functional	2002	MASAF	unknown
✓	Mbalame (A)	122	580	316	264	Mbalame ADMARC	Afridev	not functional	1111	Government	Government
✓	Mbalame	45	247	118	129						
✓	Mbalame	45	193	92	101						
✓	Mbalame Forest Res.	4	20	10	10						
	Mbetayasamba	28	171	91	80	Mbetayasamba	Afridev	not functional	1111	Government	Government
✓	Mbewa (B)	63	403	207	196	Mbewa (B)	Afridev	functional	1111	Government	Government
	Mbewa (B)					Mbewa (B)	Afridev	functional	2002	Germany Embassy	Chilambe Dril. Co
	Mbvunguti					Mbvunguti	Climax	not functional	1968	Government	Government
	Mchenje	36	181	91	90						
	Mchenje	14	75	35	40						
	Mdinde	46	232	111	121	Mchonjo	Afridev	functional	2001	MASAF	unknown
	Mende	18	80	33	47	Mdzuma	Afridev	not functional	1998	unknown	CHITSIME
✓	Mikivyele (A)	41	185	98	87	Mgulumula	Afridev	not functional	1972	Government	Government
✓	Mikivyele	7	32	16	16	Milala	other	not functional	1111	Government	Government
	Mikolo	18	65	31	34						
	Misi	22	85	41	44						
	Mkangala	8	51	26	25						
	Mkangala	74	375	188	187						
	Mkutuwa	79	396	195	201	Mkutuwa	Afridev	not functional	1998	Government	Government
	Mkuwila (B)	102	440	215	225	Mkuwila (B)	Climax	not functional	1962	Government	Government
	Mkuwila I	17	81	39	42						
	Mkuwila Ii	41	188	86	102						
	Mkuwila Ii	13	69	31	38						
	Mkwewe	70	324	181	143						
	Mkwenya	74	370	190	180						
	Mkweya (A)	19	110	74	36						
	Mkweya	26	146	68	78						
✓	Mlamba	46	215	107	108						
	M'mbulu	14	63	37	26						
	Mnjoka	13	68	40	28						
	Mnjonjo	15	72	35	37						
✓	Monjo	14	65	28	37						
	Mphangula (A)	114	567	288	279	Mpani	Afridev	not functional	1964	Government	Government

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1998 CENSUS

2003 Water Point Mapping

KHONGONI T/A/E/A

KHONGONI T/A/E/A

Requested Village*	Village	House-holds	Total Population	Males	Females	Village Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Mphangula	1	8	5	3						
	Mphenda	22	116	57	59						
	Mpondamwala (A)	55	262	132	130						
✓	Msema	105	526	260	266	Msema	Climax	not functional	1972	Government	Government
						Msinde	Climax	not functional	1974	Government	Government
						Msinde	Afridev	functional	1996	MASAF	unknown
						Msinde	Afridev	functional	1998	unknown	CHITSIME
	Mswati (B)	49	245	125	120						
	Mtabwalero	32	167	83	84						
	Mtambwa	62	327	165	162						
						Mtande	Afridev	functional	2000	Proscarp	unknown
	Mtauka	110	694	349	345						
✓	Mtavu (Mtabvu)	15	71	41	30	Mtavu	Afridev	functional	2000	EU	unknown
						Mtawuka	Climax	not functional	1969	Government	Government
	Mtembe	40	166	89	77						
	Mthala	19	88	41	47						
✓	Mthumba	42	191	94	97						
✓	Mthumba	35	182	91	91						
	Mtlongo	6	28	15	13						
	Mtoso	24	100	40	60	Mtoso School	Afridev	functional	1992	Government	Government
	Mtoso	11	59	34	25						
	Mtsilo (A)	90	389	180	209	Mtsati	Afridev	not functional	1974	Government	Government
	Mtsilo (B)	45	178	76	102	Mtsilo (A)	Climax	not functional	1974	Government	Government
	Mtsindo (B)	52	216	103	113						
	Mtsindo	133	647	303	344	Mtsindo	Afridev	not functional	1978	Government	Government
✓	Mtswati	60	261	139	122						
	Mudi Estate	79	363	198	165						
	Mudi T.C.	18	98	46	52						
	Mulamba	26	125	68	57						
✓	Mwadzimbi	83	392	197	195						
	Mwakuluka	12	86	43	43						
✓	Mwanda	51	243	121	122						
	Mwankhundi (B)	58	304	158	146						
	Mwankhundi	96	421	207	214						
✓	Mwase	92	450	218	232						
	Mzoka	23	106	48	58						
	Mzuza	51	227	121	106						
	Nabuzi	42	191	102	89						
✓	Nafelanji	31	132	55	77	Nafelanji	Afridev	functional	1998	MASAF	unknown
	Namphite	49	205	99	106						
	Ndalama (B)	49	273	141	132						

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KHONGONI T/A/E/A

2003 Water Point Mapping

KHONGONI T/A/E/A

Requested Village*	Village	House-holds	Total Population	Males	Females	Village Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Ndaya (A)	68	309	161	148						
	Ndaya (B)	41	213	110	103						
✓	Ngalize	24	121	63	58						
	Ng'omakalira	24	122	56	66	Ng'ombe Agric	Climax	not functional	1974	Government	Government
	Ngombengo	16	106	48	58						
	Njakwa	19	100	45	55	Njakwa School	Afridev	not functional	1111	Religious institution	unknown
	Njakwa	157	742	388	354						
	Nkhwangwi (A)	62	388	214	174	shallow well with hand pump	Maيدا	not functional	1996	Health Center	Health Centre
	Nkhwangwi (B)	27	153	84	69						
	Nkhwangwi (C)	4	27	14	13						
	Nowa	6	14	6	8						
✓	Nihondo (A)	41	219	105	114		Climax	not functional	1969	Government	Government
✓	Nihondo (B)	76	364	202	162						
✓	Nihondo (C)	80	347	178	169						
	Nyama	9	55	29	26						
	Nyanda	148	431	221	210		Aquadev	not functional	1961	Government	Government
							Afridev	not functional	1963	Government	Government
✓	Nyanga	125	551	273	278						
	Nyanga (A)	7	36	15	21						
	Pabwe	35	176	87	89		Afridev	not functional	1976	Government	Government
	Pabwe	63	285	149	136						
	Panthungo	8	32	18	14						
	Pikeni	23	108	45	63						
	Pute	39	158	73	85						
	Sakali	25	113	56	57		Afridev	functional	1998	MPs	CHITSIME
	Sakali	147	610	314	296		Afridev	not functional	1970	Government	Government
	Salamba	42	216	114	102		Afridev	not functional	1990	unknown	unknown
	Salamba	4	27	14	13						
	Salamba	47	210	105	105						
	Salamba	4	19	11	8						
✓	Salima	50	133	66	67		Afridev	not functional	2000	MASAF	unknown
✓	Salima	3	16	5	11						
	Sambani	14	74	43	31						
✓	Sapulayi	9	37	20	17						
	Sendwe	18	107	57	50		Climax	not functional	1970	Government	Government
	Sewera	23	120	57	63		Afridev	functional	2000	MASAF	unknown
	Seze	14	75	38	37						
	Shawa	41	180	91	89						
	Silombe	20	101	54	47						
	Simoni	11	50	22	28		Climax	not functional	1974	Government	Government
	Sisipenzi	34	133	65	68						

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KHONGONI TA/EA

2003 Water Point Mapping

KHONGONI TA/EA

Requested Village*	Village	House-holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Sitambo	43	218	114	104	Stambo	mechanic borehole	Climax	not functional	1111	Government	Government
	There (A)	64	323	166	157	There	mechanic borehole	Afridev	not functional	1111	Government	Government
	There	3	20	12	8							
	There	19	72	38	34							
	Thumba (B)	110	510	241	269							
	Thumba (B)	23	106	54	52							
	Timoteo	9	56	20	36							
	Timoteo	12	66	32	34							
	Tonde (B)	49	252	124	128	Tonde	mechanic borehole	Climax	not functional	1111	Government	Government
	Tonde	33	180	99	81							
	Tonde	12	53	34	19							
	Tumeyo	24	89	46	43							
✓	Tummeyo	39	147	66	81							
	Unit 42	42	234	112	122							
						Zenga	mechanic borehole	Afridev	not functional	1987	World Vision	World Vision
						Vizimba	mechanic borehole	Afridev	not functional	1964	Government	Government
						Vunguti	shallow well with hand pump	Maida	functional	1999	Proscarp	unknown
✓	Waya	131	626	293	333	Waya	mechanic borehole	Afridev	functional	1971	Government	Government
						Waya School	mechanic borehole	Afridev	functional	1998	MASAF	unknown
	Yohane	33	160	78	82							
	Zenga	56	213	113	100							
✓	Zokoto (A)	63	309	160	149							
✓	Zokoto (B)	22	106	50	56							

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