

# ROTARIANS AGAINST MALARIA



## LONG LASTING INSECTICIDAL NET DISTRIBUTION REPORT

### CHIMBU PROVINCE

**Gumine, Karimui Nomane, Kerowagi, Sinasina Yongumugl  
and Kundiawa Gembogl Districts**

**Carried Out In Conjunction With The Provincial And District Government Health  
Services And The Church Health Services Of Chimbu Province**

**With Support From Against Malaria Foundation and Global Fund**

**25 January to 13 May 2018**



## Table of Contents

Executive Summary .....	3
Background.....	4
Schedule .....	6
Methodology.....	6
Results .....	11
Conclusions.....	12
Acknowledgements .....	13
Appendix One – History Of LLIN Distribution In PNG .....	13
Appendix Two – Malaria In Chimbu Compared With Other Provinces .....	18
Appendix Three - Malaria By Altitude .....	20
Appendix Four – Other Photographs .....	21
Appendix Four - Map Of Chimbu Showing Census Points Of 2000 Census .....	23
Annex One	Detailed Distribution Data For Gumine District
Annex Two	Detailed Distribution Data For Salt Nomane LLG
Annex Three	Detailed Distribution Data For Kerowagi District
Annex Four	Detailed Distribution Data For Sinasina Yongumugl District
Annex Five	Detailed Distribution Data For Kundiawa Gembogl District

## Executive Summary

Chimbu or Simbu Province is a highlands province of PNG. In the north of the Chimbu lies PNG's highest mountain (Mount Wilhelm 4,509 metres) while in the south of the province the altitudes descend down to almost 400 metres. Areas above 2,000 metres which lie in the north are considered malaria free but at lower altitudes below 1200m, malaria is endemic (See Appendix Three). However, the majority of the population in Chimbu Province live at between 1200 to 1600 metres, a zone where malaria is generally considered epidemic.

A family level survey and distribution of Long Lasting Insecticidal Nets (LLINs) were carried out between 25 January and 13 May 2018 in five districts of Chimbu province called Gumine, Karimui Nomane, Kerowagi, Sinasina Yonggomugl and Kundiawa Gembogl. In reality, Gumine and parts of Kerowagi and Karimui Nomane (Salt Nomane LLG) should have been done in 2017, but due to election related problems, it was not possible to carry out operations in these areas in 2017. All these areas were therefore done together in 2018 as per Table Two.

Table One shows the estimated population and actual population found in each district along with the number of LLINs distributed by district. In total, 99,590 LLINs were distributed to a population of 205,467 people. This resulted in distribution of 48.5 nets for every 100 people in the province.

**TABLE ONE – Population And Nets Distributed In 2017**

District	Population Of Targeted Areas In Last Survey	Target Population	Population Surveyed 2018	House Holds Surveyed 2018	Nets Issued 2018
Kundiawa Kembogl	57,574	66,872	66,872	11,730	32,210
Sinasine Yonggomugl	51,888	55,142	55,142	11,338	27,318
Gumine	50,196	53,425	54,702	11,258	25,823
Karimui Nomane	23,887	25,424	25,970	5,563	12,871
Kerowagi	2,525	2,687	2,781	512	1,368
Totals	186,070	203,550	205,467	40,401	99,590

A further 263 LLINs were donated to health centres as nets were surplus to requirement and in most cases could not be easily returned to a central location. These nets would be used by pregnant mothers and for hospital beds where needed.

The overall operational cost of the programme was 434,636.77 Kina (Approximately US\$133,735) resulting in a cost of about 4.36 Kina or US\$1.34 per net delivered which was about 23% over the anticipated overall budget. There were overspends in all categories. The reasons for the increase in expenditure are not clear and at this moment and are under scrutiny

Overall, the distribution went very well in Chimbu. Feedback from partners and communities suggest they were happy with the methodology used as the process appeared transparent to all concerned. However, as always, there were a few families who complained that they did not receive enough nets but for the most part it is believed that this was a result of families not fully understanding the allocation system used.

The Against Malaria Foundation (AMF) generously donated 79% of all nets while the Global Fund (GF) provided 21% of the nets and all the delivery costs of nets to the family level. Without these two donors, the delivery of nets into Chimbu would not have been possible.

The history of LLIN distribution in PNG and Chimbu Province is discussed in Appendix One and the malaria situation and stratification of malaria in Chimbu are discussed in Appendix Two and Appendix Three.



**Fig.1 – Training Volunteers In Salt Nomane**

## **Background**

Rotarians Against Malaria (RAM) is a nationally based organisation which was formed in 1997 by the Port Moresby Rotary Club in recognition of the tremendous burden that malaria imposes on the people of PNG.

RAM has an organizational mandate to work in malaria control and the distribution of LLINs in Papua New Guinea and has been working for many years with the National Department of Health (NDOH) and other partners including multilateral and bilateral agencies such as UNICEF and WHO (World Health Organisation), NGOs and church groups. (See Appendix One for full history of LLIN Distribution)



**Fig.2 Difficulties With Roads In Salt Nomane**

Since 2010, RAM has been coordinating the distribution of nets to all districts and provinces on a three-year recurrent cycle. This effectively means that RAM visits every village in PNG every three years. RAM is funded by the Global Fund since 2009 and since 2017 also from Against Malaria Foundation which supplied PNG with all its nets. The Global Fund resources are now used for LLIN distribution costs and other relevant administration costs.

Generally, LLINs have been distributed to household level throughout the country but when shortage of funds occurred, different strategies of distribution have been used.

PNG can be roughly divided into five epidemiological zones.

- a) Areas which lie above 2000m in altitude will no longer receive LLINs as malaria transmission is not considered possible at these altitudes.
- b) Low lying areas of the country up to 1200m which have stable malaria endemicity and often have poor access to health will continue to have household distributions.
- c) Areas from 1200 to 1600m which are generally considered to be of low transmission potential but may have occasional epidemic due to poor immunity and changing weather conditions. LLIN distribution will continue in these settings.
- d) Highlands regions between 1600 to 2000m in altitude such as Mount Hagen which have low malaria endemicity and generally easy access to health services. These are low priority areas due to current funding constraints, however, RAM is trying to find additional funds to cover these areas
- e) In urban and peri-urban areas such as Port Moresby which are low lying areas with easy access to health, nets will not be distributed during funding constraints. Nets to these areas will be supplied through the private sector.

As a result of this stratification and when funds had been reduced such as at the end of 2014, areas above 2000m no longer received nets and areas from 1600 to 2000m only received under five campaigns in 2015 and 2016. However, due to the LLIN donation from the Against Malaria Foundation (AMF) in 2017, all targeted areas received household distribution of nets-except areas above 2000m, and some urban areas such as NCD, Goroka, Mount Hagen and Mendi. However, for the years 2018 onwards, Against Malaria Foundation is kindly donating all nets up to 1600m while Global Fund will cover costs of nets above 1600m though funds have still not been identified for 2020 but it is expected that funds will be found.

Many villages in Mitnande LLG are above 2000m and were excluded from this distribution. For all other areas, LLIN for household distribution were distributed at a rate of approximately one nets for every two people.



**Fig.3 – Village Summary Forms On Public Display in Koge (Left) and Unloading Nets In Kundiawa (Right)**

One of the conditions of the AMF donation is that RAM would strengthen the way in which surveys are carried out. These new innovative processes are described in the Methodology Section. These methodologies now being carried out since the beginning of 2017. The major change to the survey methodology suggested by AMF is that previously a village meeting was called after a survey was carried out where names of family members were read out to ensure that all households had been surveyed. Instead of this process, a summary of every village

surveyed is posted for 24 hours in a public place so that villages can ensure that all their family members have been included in the survey. As a further verification process, members of RAM and local health staff team carry out random house surveys of 6% of households in every village to ensure that the survey process has been carried out correctly.

For household LLIN distributions, regardless of where they are carried out must include a survey and a distribution phase though implementation methods may considerably vary depending on specific circumstances. RAM's approach has been to concentrate on program quality thus RAM develop methodologies that ensure that all recipients in an area actually receive nets and that this can be reported accurately.

The other major change to the original PNG programme of 2004 to 2009 carried out by the NDOH is that nets are allocated to families on a needs basis rather than simply the number of people in the family. Data analysis of National Capital District (NCD) data has shown that this gives a ratio of nets needed to be about 47 for every 100 people. In the previous LLINs distribution of Round-3 in 2006 to 2010, nets were allocated at a rate of one net to every 2.5 people. With the programme only receiving 80% of LLIN needs, and most provinces distributing for example two nets to families of three, in practically every province, nets ran out before the end of the distribution. The RAM programme makes all attempts to assure that this distribution anomaly does not happen by collecting all population information at the beginning of the program and then allocate the nets based on family needs. This strategy is practiced to ensure that all families receive nets throughout any given province. The only scenario where survey and net distribution may be done simultaneously- is in very remote locations where it is not practically possible to return a second time. This is particularly the case in remote villages which can only be reached by boat and it is costly and impractical to return to the villages for a second time.

In terms of coordination, RAM officers are allocated to specific LLGs or health centres where they coordinate the programme together with local health staff. In this capacity, RAM officers act as facilitators in terms of technical guidance to district health teams in each LLG as well as acting as financial officers and assuring quality control of activities taking place.

## Schedule

This distribution took place in the ninth year in which RAM has been involved in the distribution of nets in collaboration with Provincial Health Authorities in PNG. Survey and distributions were carried out as per the table below. Operation commenced in Gumine, Salt Nomane and Kundiawa Gembogl at the end of January after RAM teams had finished a week's Annual Training and Review Meeting in Port Moresby. When these areas had been finished them teams moved into Sinesine Yonggomugl. It was only later that it was realised that one ward had been left out in Kerowagi. This ward is only accessible through Gumine and had consequently been left out in 2017.

**TABLE TWO**  
**General Timetable Of Activities In Chimbu**

District	Survey		Distribution	
	Start	Finish	Start	Finish
Gumine	25.01.18	01.02.18	03.02.18	15.02.18
Karimui Nomane (Salt Nomane LLG)	27.01.18	01.02.18	09.02.18	14.02.18
Kundiawa Gembogl	27.01.18	07.03.18	11.02.18	14.03.18
Sinesine Yonggomugl	03.03.18	14.03.18	11.03.18	20.03.18
Kerowagi	08.05.18	08.05.18	12.05.18	13.05.18

## **Methodology**

Prior to planning and implementation, a master list of all villages of Chimbu was drawn up using data from the 2000 Census and the last RAM survey of 2014. Villages in the list were organised by LLG and Ward. In this master list, the estimated population for 2017 for each village is recorded in two ways, first estimated population figures from the 2000 Census and the estimated annual growth rate for Chimbu and then by taking the population surveyed in 2014 and applying the annual growth rate to each village.

In all areas, Health Centres form the hub from which distribution takes place to the respective villages in each health centre's catchment area. Therefore, with the planning data at hand, the project manager of RAM works together with the Provincial Health Office to allocate every village to its nearest health centre (government or Church Based) and outlines how each village is reached from each health centre. From this it is possible to create a budget, estimate how many nets are needed to be sent to each health centre and work out any other logistic considerations such as use of airplanes or boats to deliver nets to some remote areas.

Once all logistical needs are calculated and nets delivered to the province or district, a RAM team will travel to the province. Once there in the province, RAM officers are allocated to work with each health centre which becomes the centre of operations for that area.

With the arrival of RAM officers, each health facility identifies health staff members or non-health volunteers to be involved with the programme. If local health staff are selected then they are referred as District Health Team (DHT) but if a non-health staff is selected then s/he is termed as a Team Leader. Both DHTs and Team Leaders are responsible for the survey and distribution of nets. Each DHT and Team Leader work only in the area in which the health facility is based.

Before any activities take place, RAM officers are expected to work with health staff and other team leaders to make detailed plans (micro-planning) of their activities for training, survey, verification and distribution of nets. This process involves- making maps of the area, deciding how many teams are needed, and then making detailed work plans for each of the team members. This process also involves verifying that no villages have been left out of the census list and that the whole area is covered.

Also prior to field activities in any given LLG or health centre, a social awareness campaign was carried out in all villages informing villagers of the upcoming survey and distribution. This was also used as an opportunity for RAM officers to become familiar with each area. During this process, key malaria messages were also discussed with villagers such as the need to use LLINs every night.

During the social awareness campaign, a daylong training meeting is normally held at each health facility for all DHT members in that area who jointly carry out the micro-planning exercise. These training and micro-planning sessions as well as all other activities associated with the programme are coordinated by RAM project officers together with health counterparts at provincial and district levels. RAM officers also have the responsibility to ensure the LLINs operation kept in line with the original budget.

## **Survey**

The survey was carried out in the following way.

- 1) When arriving at a village and before starting the census process, a meeting was held with village elders explaining the process.

- 2) If village elders have an up to date list of all village occupants, the team would use this list to compile a census.
- 3) Where a village is small, e.g. less than 30 families, team members may carry out the census by themselves.
- 4) Where villages were large, village volunteers were identified with the assistance of the village chiefs, elders, health staff and councillors. One volunteer was chosen for each group of about 50 families with volunteers chosen by natural divisions in the village e.g. clans where one volunteer would make a list of only one clan. These volunteers were trained to carry out the survey by actually surveying houses with the team leaders supervising and assessing the recording. Once the team leader was confident that the volunteers knew the survey methodology, they were left to continue with the household survey with survey teams returning within an agreed period to verify the work of the survey volunteers, collect survey books and also to pay the survey volunteer, provided the work was carried out correctly. The training of volunteers may occur in groups or individually depending on access to the village and its proximity to other villages.
- 5) For each household surveyed, all family members who normally reside at the household for a minimum of nine months were recorded by Name, Age, Sex and Relationship to head of household. All names and other information was recorded in the survey book with one survey form being used for each household.
- 6) After surveying a household, a white copy of the census form was given to the head of household or most senior person present in the household.
- 7) Where a whole household was absent, information was taken from the neighbours and the white survey form left with them.
- 8) In all cases, after the census/list was finished, all the information about the households and number of household members is entered into a summary sheet. This list is then hung in a public place where all villages can verify that the right number of family members for each household has been recorded and that all families have been included in the survey. After the list has been in a public place for 24 hours, then the volunteer requests for the RAM officer and or DHT to visit the village.
- 9) RAM officers and DHTs must visit three households randomly from each survey book (6%) and verify that the survey has been carried out correctly. Only when this has been done, then the volunteer can be paid.
- 10) If a village was surveyed by more than one volunteer, then volunteers were asked to work together so that lists can be hung together and the village volunteers can be verified at the same time. This process also ensures that households do not appear on more than one list. After this process, both the volunteers and the village elders sign a form to verify that this was done.



**Fig.4 Distributions In Koge**

- 11) All village volunteers received a standard payment of 20 kina a day. Experience has shown that volunteers can usually only survey about 30 families a day, so for the most part, they would receive up to two days allowance to complete a survey book.
- 12) All volunteers were also given a small training manual. Contained in this training manual are key health education messages about malaria which volunteers are expected to discuss with households. This perhaps is the only project in PNG that is able to reach down to potentially every household in the country.

To aid with the survey, the master plan with names of all census units in all the wards in the district had been printed out and given to all the DHTs and team leaders. This document also provides the projected population per census unit as well as other information which might be useful to the area concerned.

After collecting survey data from each village, the information is immediately compared with the data on the master sheet. Where the surveyed population is very different from the projected population, the project staff make enquiries into the reasons for these discrepancies.

Following the survey, all data was entered into a computer where possible or entered into a master sheet of the area concerned. For each village, nets were allocated to each family on a needs basis and this is also entered into the computer or master sheet. This process ensured that all villages received nets and that there would be no shortfalls.

The needs basis in PNG is based on the assumption that children under the age of six sleep with their parents, after which boys and girls are grouped separately from their parents. Nets are also allocated based on the number of children in the house, their ages, and whether there are other dependents living in the households such as grandparents. A full description of the allocation system can be obtained from RAM officers but suffice to say a family of four could receive between one to four nets depending on the sex and age of family members.

Nets are allocated to each LLG based on assumed populations of each LLG and it was important prior to the distribution to ensure that when allocations had been carried out to families and villages that there were enough nets available to cover each and every family.

### ***Distribution***

There was no official launch for the LLINs distribution in Chimbu. However, prior to distribution there was a social awareness phase where the project teams informed communities about the arrival of the distribution teams, especially those accessible by road.

The LLINs were then distributed to teams depending on the needs of each village. The LLINs were then distributed by village or wards depending on whether villages were close together. In this latter case, a central location was identified in the ward and then distribution of nets was carried out. In terms of distribution sites, villages were organised in different ways to make the flow of nets easy and effective. However, the actual organisation depended on each team and the structure of the various groups receiving nets.

All net packaging was opened at distribution site with a district code printed on each net e.g. CH18 for Chimbu 2018. This code is added to identify nets to assist in future monitoring exercises as well as discouraging householders from selling the nets on the open market.

Some examples of the process used to control the crowd includes;

- Arranging the people according to the serial numbers in the survey books e.g. 72001 - 72050 and then calling the names and the serial numbers.
- Call the names of the owners of the households, collect the white copy and give the nets.

- Wait for everyone to come to the distribution site, collect all the white copies and sort the copies with the pink copies. Call the names on the white copies and give the nets.

Some of the following control methods were used.

- Everyone who presented with a white copy was given LLINs at the distribution site with LLINs only given to the owner of the house or a member of the house whose name is written on the back of the survey form.
- Those people who lost the white receipts were left to the end of each distribution, with nets only being issued if the name of the person collecting the nets was found on the back of the pink copies.
- For those families who were absent at the time of distribution, their names were written in a form – MOSQUITO NETS HELD IN TRUST BY VILLAGE CHIEFS FORM and the nets allocated to missing families were given to chiefs or any person entrusted by the community with the forms for these families to collect their LLINs later.
- Householders are now being asked to make a thumb print as proof of delivery of nets to a household. The Global Fund had formally asked that householders should sign for delivery of nets. This was considered problematic as many householders are illiterate and even where householders can write, this process takes a long time in what is often a very chaotic and charged environment where speed is of the essence.

It should also be noted; surveys and distributions took place at more or less the same time in some remote places of Chimbu province. This is particularly true for mountainous villages or small islands which might take several hours or days to reach. In these instances, estimations based on the 2000 Census data and local knowledge used to pre-allocate nets. Teams were then dispatched to these areas with nets. On arrival in these remote places, surveys took place and were immediately followed by a distribution based on the survey results.

### ***Other details***

In the case of Chimbu Province, all LLINs were delivered to Lae by ship from Vietnam (via Singapore) in 20 foot containers where they were custom cleared. These containers were temporarily stored in Lae before being transported by road to Goroka. In 2017, containers were taken by road to various locations in Chimbu, but in 2018, the road conditions from Goroka to Chimbu were in very poor condition and it was not possible to move the containers by road so all the containers were unpacked in Goroka and loose bales taken by small trucks to the various locations in Chimbu.

**TABLE THREE**  
**Nets Distributed At District Level In Chimbu**

District	Population Of Targeted Areas In Last Survey	Target Population	Population Surveyed 2018	House Holds Surveyed 2018	Nets Issued 2018	Growth Rate Since Last Survey	Nets Distributed Per 100 People
Kundiawa Kembogl	57,574	66,872	66,872	11,730	32,210	2.53	48.2
Sinasine Yonggomugl	51,888	55,142	55,142	11,338	27,318	1.02	49.5
Gumine	50,196	53,425	54,702	11,258	25,823	2.17	47.2
Karimui Nomane	23,887	25,424	25,970	5,563	12,871	2.11	49.6
Kerowagi	2,525	2,687	2,781	512	1,368	2.44	49.2
Totals	186,070	203,550	205,467	40,401	99,590	2.51	48.5

## Results

The programme surveyed a total of 205,467 people in the five districts to which were distributed 99,590 LLINs. This resulted in distribution of 48.5 nets for every 100 people in the province. Table Three shows the distribution by district while Table Four shows the distribution by LLG.

Table Three shows an overall growth rate from the last time the districts were surveyed of 2.51% which is one of the lowest growth rates in the country. However, an analysis of Table Four shows the growth is not even and that some LLGs are showing negative growth rates while others such as Kundiawa Urban are showing very big growth rates which is suggestive of rural to urban drift of populations.

**TABLE FOUR**  
**Nets Distributed At LLG Level In Chimbu**

LLG	District	Population Of Targeted Areas In Last Distribution	Population Surveyed 2018	House Holds Surveyed 2018	Nets Issued 2018	Growth Rate Against Last Survey	Nets Distributed Per 100 People
Kundiawa Urban	Kundiawa/Gembogl	18,120	24,050	3,688	11,537	4.83	48.0
Niglkande Rural	Kundiawa/Gembogl	13,196	12,184	2,453	6,148	-1.32	50.5
Waiye Rural	Kundiawa/Gembogl	26,258	30,638	5,589	14,525	2.60	47.4
Tabare Rural	Sinasin Yonggomugl	14,438	15,389	3,105	7,591	1.07	49.3
Suai Rural	Sinasin Yonggomugl	15,970	17,978	4,019	8,921	1.99	49.6
Yongomugle Rural	Sinasin Yonggomugl	21,480	21,775	4,214	10,806	0.23	49.6
Bomai Gumai Rural	Gumine	10,280	12,302	2,536	5,763	4.59	46.8
Gumine Rural	Gumine	20,542	24,591	5,182	11,342	4.60	46.1
Mt Diggin Rural	Gumine	19,374	17,809	3,540	8,718	-2.08	49.0
Nomane Rural	Karimui Nomane	9,667	8,597	1,877	4,529	-2.89	52.7
Salt Rual	Karimui Nomane	14,220	17,373	3,686	8,342	5.13	48.0
Kup Rural	Kerowagi	2,525	2,781	512	1,368	2.44	49.2
<b>Totals</b>		<b>186,070</b>	<b>205,467</b>	<b>40,401</b>	<b>99,590</b>	<b>2.51</b>	<b>48.5</b>

Referring to Table Five, it can be seen that a further 263 LLINs were donated to health centres as nets were surplus to requirement and in most cases could not be easily returned to a central location. These nets would be used by pregnant mothers and for hospital beds where needed.

**TABLE FIVE**  
**Nets Donated To Health Centres**

District	LLG	HC	Donated
Gumine	Mt Diggin Rural	Karilmaril HC	89
Karimui Nomane	Nomane Rural	Nomane HC	55
Karimui Nomane	Salt Rual	Kilau HC	68
Kerowagi	Kup Rural	Neregaima HC	51
<b>TOTAL</b>			<b>263</b>

Referring to Table Six, it can be see that the overall operational cost of the programme was 434,636.77 Kina (Approximately US\$133,735) resulting in a cost of about 4.36 Kina or US\$1.34 per net delivered which was about 23% over the anticipated overall budget. There were overspends in all categories. The reasons for this are unknown at this moment and are under investigation.

**TABLE SIX**  
**Cost Of Programme In Chimbu ( All in Kina)**

Expense Types	Budget	Actual	Variances	% Variance
Human Resources	K87,835.65	K98,040.00	-K10,204.35	-11.6
Fuel Cost	K25,926.00	K43,186.79	-K17,260.79	-66.6
Car Hire Cost	K220,000.00	K279,709.08	-K59,709.08	-27.1
Stationeries/Supplies	K3,000.00	K3,480.29	-K480.29	-16.0
5% Contingency	K14,921.24	K10,220.61	K4,700.63	68.5
<b>Total</b>	<b>K351,682.89</b>	<b>K434,636.77</b>	<b>-K82,953.88</b>	<b>-23.6</b>

The project also looked at radio or cell phone coverage in the different parts of Chimbu. Referring to Table Seven, the data suggests that in Chimbu, there is generally a reasonable coverage by both cell networks and radio stations though radio ownership is still very low.

**TABLE SEVEN**  
**Cell and Radio Coverage In Chimbu**

District	Villages	House Holds Surveyed	Digicel	Bmobile	Citifon	Houses with Radios	Villages With Radio Networks
Kundiawa Gembogl	175	11,730	157	69	32	3,918	159
Sinesine Yonggomugl	210	11,338	206	121	0	2,906	207
Gumine	157	11,258	151	0	0	1,217	159
Karimui Nomane	102	5,563	102	0	0	219	49
Kerowagi	11	512	11	0	0	45	0
<b>Total</b>	<b>655</b>	<b>40,401</b>	<b>627</b>	<b>190</b>	<b>32</b>	<b>8,305</b>	<b>574</b>



**Fig.5 – Distributions In Salt Nomane**

## Conclusions

Overall, it can be said that the project was a success both in terms of results and collaborative work done by staff from RAM provincial and district health authorities, and Catholic and Seven

Day Adventist (SDA) Church Health Services i.e. those who have a presence in the province. Through this collaboration, the data suggests that all villages and practically all families in those villages received nets.

The major achievement of the programme was also demonstrating that the new verification process introduced by RAM was practical and was generally accepted by both health staff, communities and volunteers as the survey system is now more transparent. Due to this transparency, RAM officers generally received far less complaints during this distribution cycle than previous distribution cycles.

As with other provinces in the country where RAM has operated in over the last seven years, the methodologies used this time appeared practical and were openly welcomed by both villagers and implementers, particularly the practice of hanging up the list of names in the middle of the village following a survey: this allowed communities to feel that they were part of a transparent process. This is not to say that perhaps some extra people managed to slip into the books, but in general, it was felt that the system was fair and included practically everyone concerned. The use of the master lists also ensured that all villages were reached and accounted for.

The review of the data prior to the distribution was also important. This ensured that all villages and families received the correct numbers of nets. The 2000 Census Lists were very important to ensure that survey teams reached all villages: without the complete list of villages, it would be very difficult to make a detailed report.

The greatest complaint still received by communities was the number of nets they received. Even though the team explain the logic of how the allocation of nets is calculated, some families were expecting one net per person, others expected it to be based on a fixed allocation based on the number of people in the family, and yet others thought they would be given nets based on the number of nets they stated they already had. This highlights that a better system of explaining the allocation system needs to be developed. In general, unlike some previous districts covered by RAM and DHTs of Chimbu assisted in the allocation of the nets which meant they were in a better position to explain the distribution system on the ground. Nevertheless, despite all the difficulties involved, it would appear that the vast majority of community members accepted the outcome and there were no real problems or complaints encountered.

## **Acknowledgements**

The Rotarians Against Malaria Household distribution team who worked in Kundiawa Gembogl, Gumini, Karamui Nomane and Sinesine Yongomugl, would like to sincerely acknowledge and thank the Chimbu Provincial Health Authority and all District Health Staff of the four districts for the excellent contribution and cooperation during the LLIN distribution programme.

In particular, RAM would like to thank at provincial level, Mrs Margret Kaile (Provincial Health Advisor), Mr Titus Tul (Provincial Disease Control Officer) and Mr Kerry Kubu (Rural Health Coordinator) for providing the excellent advice and direction to the distribution team and all staff at the district.

For the District staff, RAM would like to thank all those who tirelessly took part in the programme, in particular, people who were very instrumental from the planning stages all the way to the successful completion of the programme, namely:

**Kundiawa Gembogl District**

<b>Name</b>	<b>Occupation</b>	<b>Institution</b>
Mr Jerry Kaipa	Nursing Officer	Kundiawa Urban Clinic
Mr David Siune	Disease Control Officer	Goglme Health Centre
Mr Brian Kipal	Catholic Health HIV/Aids Response Coordinator	Goglme Health Centre
Mr Fabian Joe	Officer In Charge	Pari Health Centre
Mr Daniel Kunzil	Nursing Officer	Wandi Health Centre

**Gumini district**

<b>Name</b>	<b>Occupation</b>	<b>Institution</b>
Sr Bamauro	District Health Manager	Chimbu Provincial Health
Mr Peter Sine	Nursing Officer	Gumini Health Centre
Mr Alois Gube	Community Health Worker	Gomgale Health Centre
Mr Simon Maima	Community Health Worker	Gomgale Health Centre

**Karamui Nomane District**

<b>Name</b>	<b>Occupation</b>	<b>Institution</b>
Mr Lucas Koi	District Disease Control officer	Kilau Health Centre
Mr Joseph Koma	Officer In charge	Nomane Health Centre

**Sinesine Yongomugl District**

<b>Name</b>	<b>Occupation</b>	<b>Institution</b>
Mr Mark Olam	District Health Manager	Chimbu Provincial Health
Mr Matthew Kom	Nursing Officer	Koge Health Centre
Mr Mark Tul	Officer In Charge	Sigma Health Centre
Mr Micheal Kura	Community Health Worker	Sigma Health Centre
Mr Elias Apa	Officer in Charge	Mai Health Centree
Mr Maure Kerenga	Aid Post Orderly	Mogl Aid Post
Mr Joseph Kuake	Nursing Officer	Niglguma Health Centre

RAM would also like to acknowledge the support received from service providers in the private sector who helped in various ways.

To the government and church run facilities like Catholic, Lutheran and SDA Health Services, RAM sincerely thank you all for fully supporting the program in many ways such as allowing your staff to participate in the program, providing storage to the Long Lasting Insecticide Nets and providing your local expertise. Your assistance in most cases went beyond the call of duty and for this the RAM team is very thankful.

RAM would also like to extend our acknowledgement and appreciation to all the hard working volunteers who also played a very important role from conducting the household survey in all the villages and in ensuring the distribution progressed well to completion.

## Appendix One – History Of LLIN Distribution In PNG

The use of Insecticide Treated Nets (ITNs) started in PNG in 1985 when the PNG Institute of Medical Research (IMR) conducted one of the first trials demonstrating the health impact of treating mosquito nets with insecticide. The study, done near Chimbu, showed a reduction of *P.falciparum* incidence and prevalence in children below five years of age sleeping under permethrin-treated nets. The protective effect of insecticide-treated nets (ITNs) was also confirmed in many other trials around the world. As a consequence of such findings, the national malaria control program in PNG started emphasizing the use of ITNs in 1989. However, no regular or large-scale distribution of ITNs was carried out at this time.

In the following years, coverage with mosquito nets and other control interventions remained patchy and low in many parts of PNG. It was during this period that Rotarians Against Malaria (RAM) was created from the Port Moresby Rotary Club in 1997. Using a donation of 150,000 treated nets given to them from the National Department of Health (originally from AusAid), RAM successfully ran a revolving fund of nets in which nets were sold at a price which allowed the proceeds to buy more nets. RAM did this successfully for many years distributing about 45,000 treated nets a year from 2000 to 2004.

Prior to 2004, most treated nets had to be re-treated every six months or a year which requires a lot of work and organisation. In early 2004 everything changed with the introduction of Long Lasting Insecticidal Nets (LLINs) which would last for 20 heavy duty washes and effectively no longer required to be treated repeated. This change in nets also coincided with the introduction of the Global Fund into PNG known as the Global Fund Round 3.

From 2005 to 2009 the malaria programme in PNG received and delivered about 2.3 million nets throughout the country at a rate of one net for every 2.5 people. The delivery of nets to village level was under the provincial health authorities and reached most parts of the country with Rotarians Against Malaria (RAM) being responsible in delivering the containers of nets to the provinces from Port Moresby and Lae where the nets arrived from overseas.

While the programme was very successful in some areas it was not so successful in others. Problems included slow release of funds from central to provincial level, some provinces not following technical guidelines given resulting in some areas not been covered, and technical and financial reporting leaving a lot to be desired in many of the provinces. When further funds became available in what is known as the Global Fund Round Eight, it was decided that Rotarians Against Malaria (RAM) would take over the coordination of the LLIN programme.

This change has resulted in RAM being responsible for the overall coordination of the LLIN distribution of LLINs in the country particularly in the areas of quantification, procurement, reporting and delivery to provincial and district level. However, the actual delivery of nets to village level is a collaboration between RAM, provincial health authorities and district health and health centre staff.

Fig.1 shows the distribution of nets to districts and provinces from 2006 to 2009 while Fig.2 shows the distribution of nets from 2010 to 2014 and Fig.3 shows the distribution from 2015 to 2017 which includes under five distributions in 2016 and 2017. Under Five distributions had been carried out in areas above 1600m and in Port Moresby and Lae City due to lack of funds. This situation changed when support from Against Malaria Foundation was received.

Up until March 2018, a total of 10.6 million LLINs (9.3 million to household level and 1.3 million to vulnerable groups) had been distributed under the coordination of RAM. Therefore, with the 2.5 million nets distributed from 2006 to 2009, this means that about 13 million nets have been delivered to household level in PNG since 2006. This is more than one net per every person in PNG.

It should also be noted that alongside developments related to treated mosquito nets, the first cases of chloroquine-resistant malaria were reported in 1976 (20). This progressed rapidly to widespread resistance of *P.falciparum*, and to a slightly lesser extent *P.vivax*, to chloroquine, amodiaquine and sulphadoxine-pyrimethamine (SP). In studies conducted between 2003 and 2005, even combination regimens of these drugs faced up to 29% resistance of *P. falciparum*<sup>2</sup>. This situation together with Global Fund Round 8 also saw the introduction of artemeter lumfantrine branded as Malawan, IPT (Intermittent Preventative Treatment) for antenatal women.

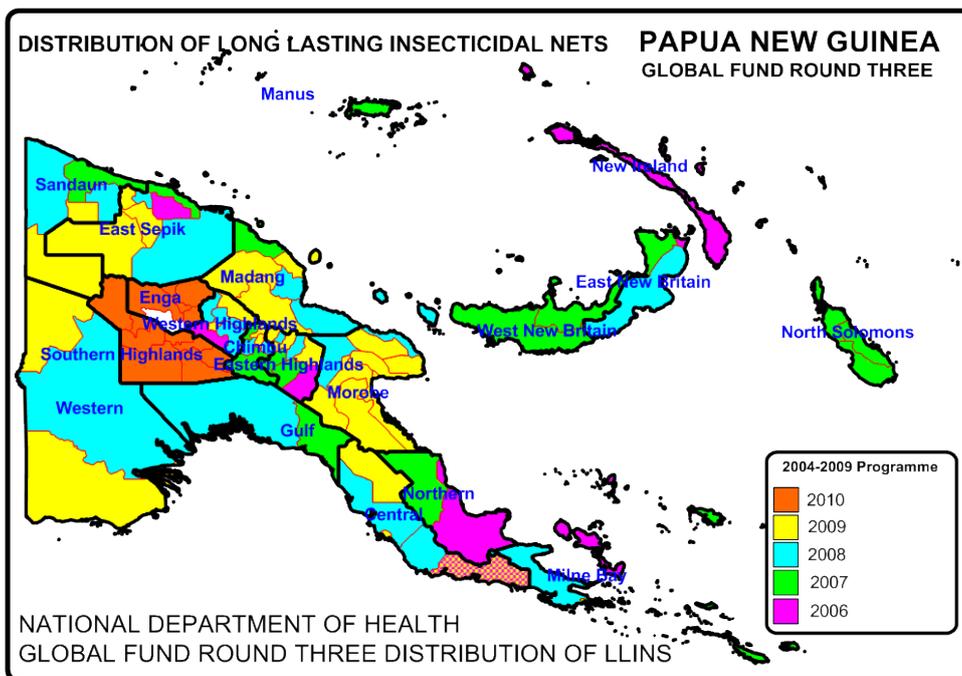


Fig. 1 Distribution Of Nets Under National Department Of Health From 2006 To 2010

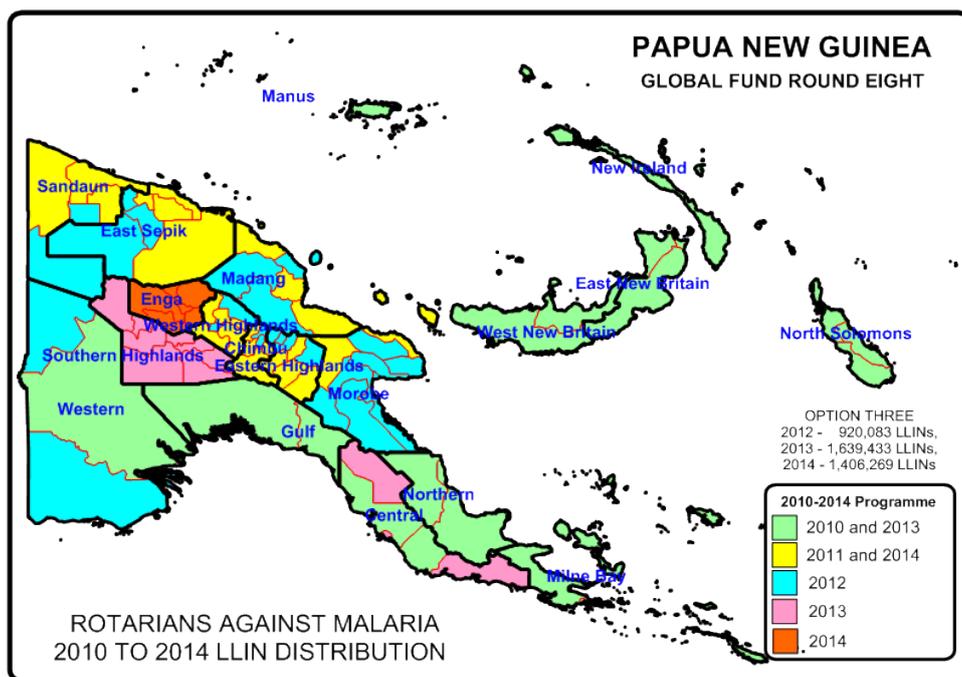


Fig.2 Distribution of LLIN Programme 2010 to 2014

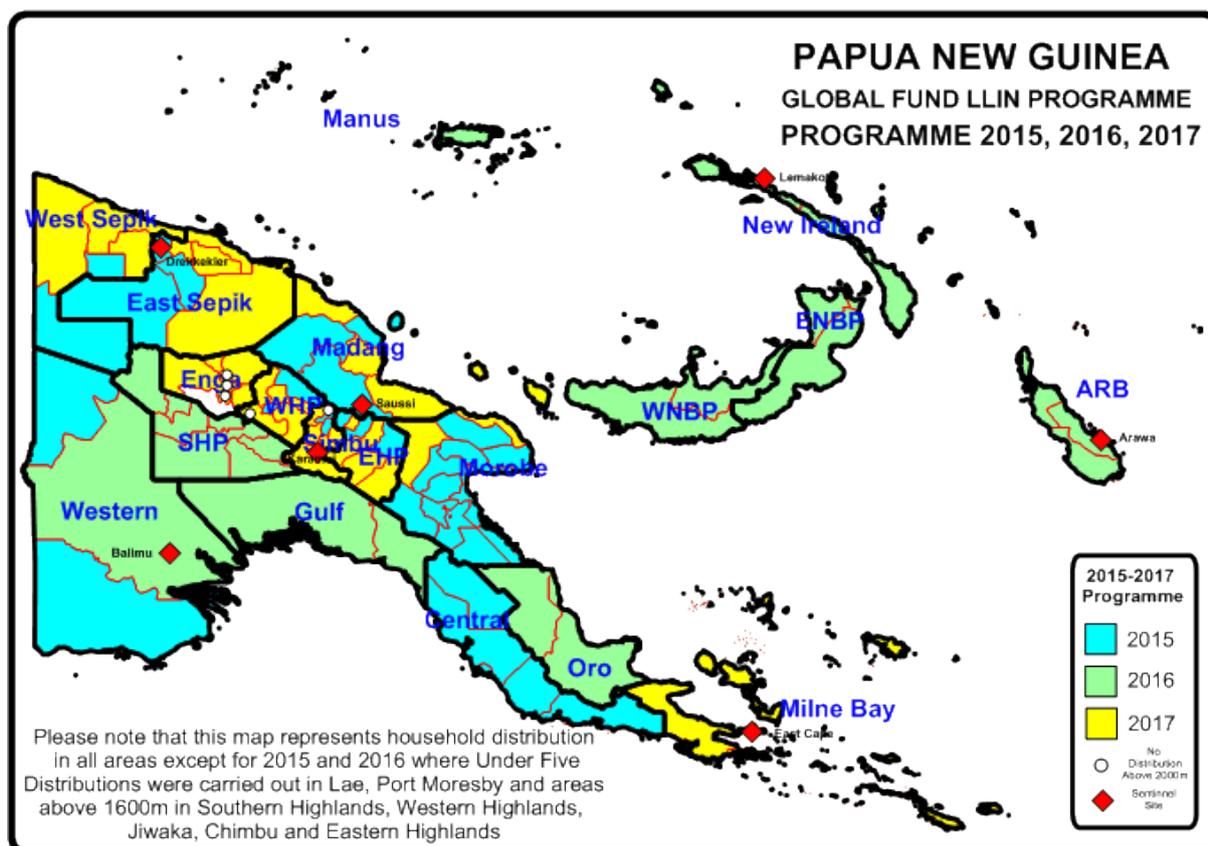


Fig.3 LLIN Distribution Programme 2015 to 2017

**TABLE ONE - LLINs Delivered In PNG Under Coordination Of RAM From 2010**

Period	Dates	Districts	Provinces	Nets Delivered
Phase One (2010-2011)	Nov 09 - Oct 11	50 Districts	18 Provinces	1,890,448
Year 3 (2012)	Nov 11 - Sep 12	27 Districts	10 Provinces	832,671
Year 4 (2013)	Oct 12 - Sep 13	28 Districts	12 Provinces	1,210,391
Year 5 (2014)	Oct 13 - Sep 14	23 Districts	11 Provinces	1,374,791
Year 5 (2014) No Cost Extension	Oct 14 - Dec 14	Okapa, Lufa, Madang, Angoram, Maprik, Yangoru Saussi, Wew ak, Aitape Lumi, Nuku and Vanimo Green	EHP, Madang, East Sepik and Sandaun	454,806
Year 6 (2015)		29 Districts	11 Provinces	932,822
Year 7 (2016)		27 Districts	13 Provinces	805,597
Year 8 (2017)		36 Districts	13 Provinces	1,543,947
Year Nine	Jan - Mar 2018	Aitape Lumi, Wew ak, Angoram, Mount Hagen, Kompam, Jimi, Gumine, Sinasin Yonggomugl and Kundiaw a Gembogl	Enga, Eaast Sepik, Sandaun, Western Highlands, Chimbu and Jiwaka	281,196
New Funding Model (2015-2017)				3,282,366
Round Eight (2010 - 2014)				5,763,107
Overall Total Phase One and Phase Two And NFM				9,326,669

## Appendix Two – Malaria In Chimbu Compared With Other Provinces

- Fig.1 shows the decrease of malaria from 2007 to 2015 in all provinces, Fig. 2 shows the actual malaria incidence in Chimbu compared with other provinces and Fig.3 shows annual malaria trends from 2012 to 2016. In Chimbu, it can be seen from Fig.1 that malaria decreased from 2007 to 2015 by 80% which is one of the highest reductions in the country alongside Eastern Highlands, Western Highlands and Southern Highlands. This is also reflected in Fig.2 which shows that the incidence of malaria in Chimbu is 20 per 1000 people which is one of the lowest recorded incidence in the country. Fig. 3 shows that the trend of incidence of malaria in Chimbu since 2012 as compared with other provinces while Fig.4 shows the malaria incidence reported since 2000 against LLIN distributions. The graphs clearly show an ever-decreasing malaria situation in Chimbu and increases seen in other provinces are not reflected in Chimbu.

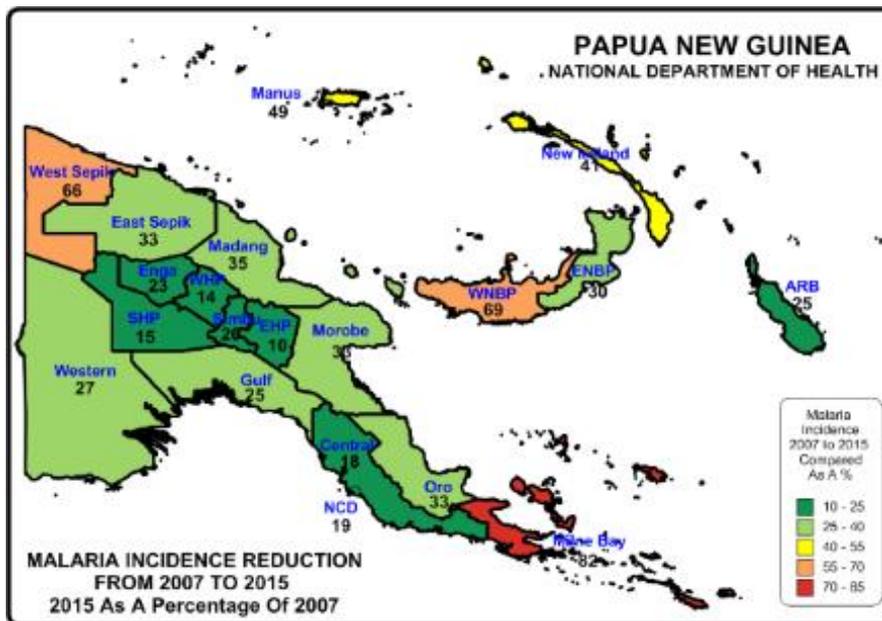


Fig.1 – Relative Reduction Of Malaria In Provinces Of PNG

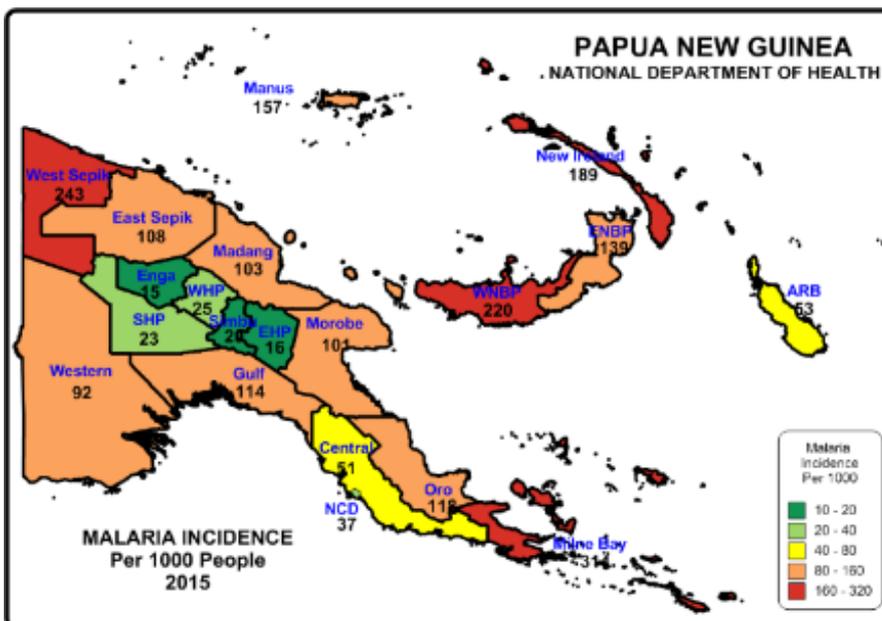


Fig.2 – Reported Malaria Incidence In 2015

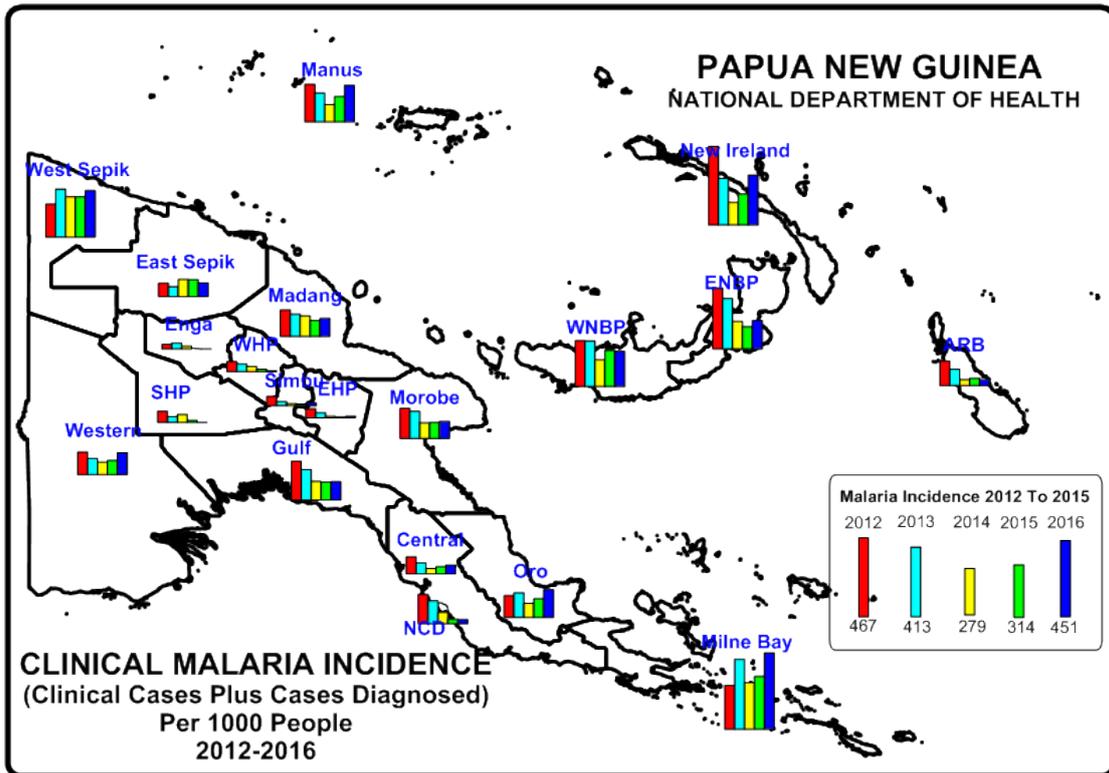


Fig. 3 - Reported Malaria Incidence In PNG From 2012 To 2016

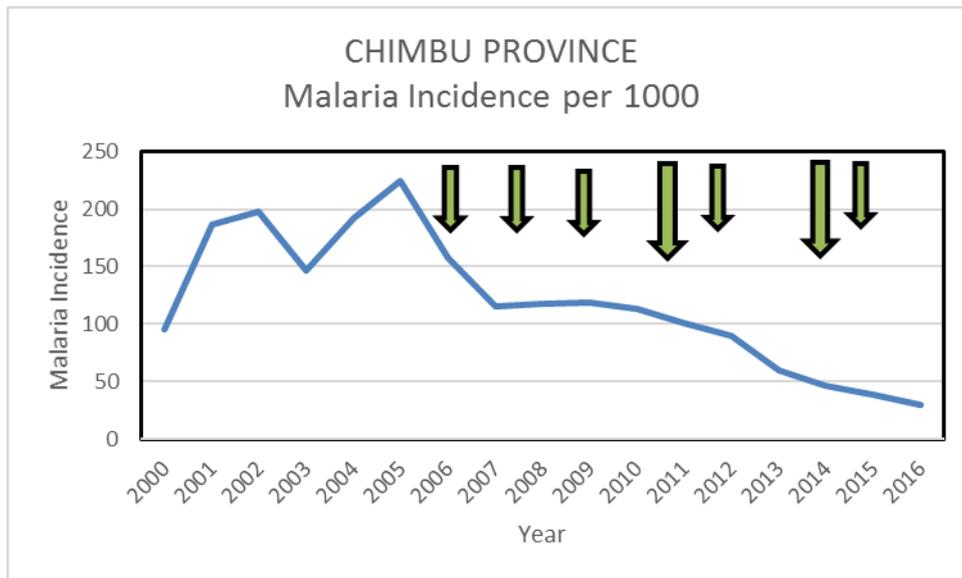


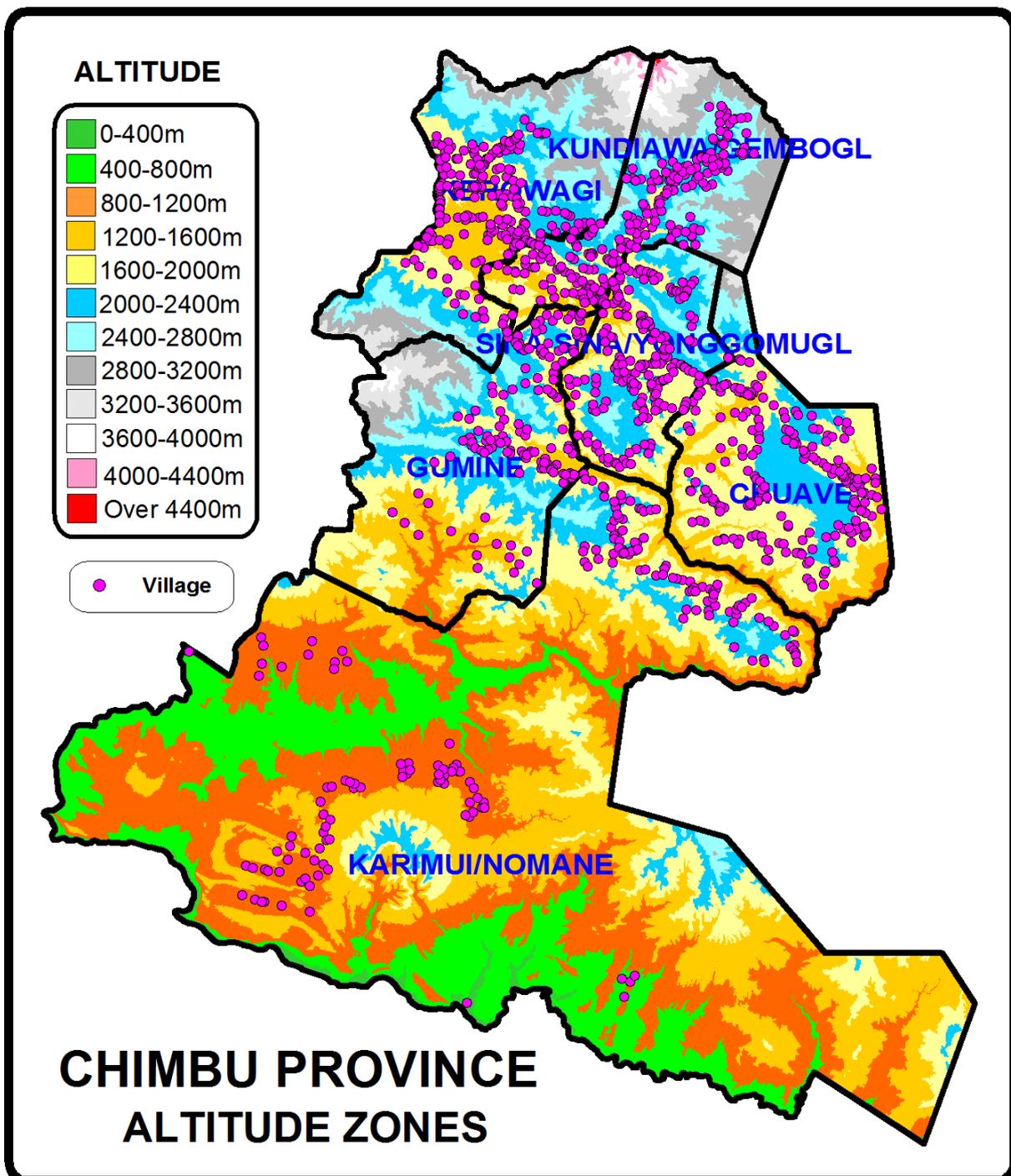
Fig. 4 – Malaria Incidence Versus Distribution Of Nets

(Green Arrows represent years of Household Distribution – Small Arrows show distributions in Karimui Nomane and Kerowagi in 2006/7, Gumine and Chuave (2007/8) and Kundiwa Gembogl and Sinasina Yonggomugl in 2009. Thereafter, distributions in Chuave, Gumne, Kerowagi and Karamui Nomane occurred in 2011, 2014 and 2017 except Guumin and Sinasina Yonggomugl and Kundiawa Gemobogl in 2012, 2015 and 2018.

### Appendix Three - Malaria By Altitude

From Fig. 1 and data bases of village populations, it can also be calculated that about 5% of the population of Chimbu live below 1200m altitude where malaria can be considered highly endemic and stable. Most of these people live in the south of the province in Karamui Nomane. A further 19% in the zone between 1200-1600m which is considered malaria epidemic in nature with a further 55% living in the zone 1600-2000 metres where it is generally considered only *P. vivax* lives. The remaining 20% live in areas above 2000m where malaria transmission is not considered to exist. Most of these people live in the north of the province in Mitnande Rural LLG surrounding Mount Wilhelm (4,509 m) which is the highest mountain in PNG.

Fig. 1 Altitude Zone In Chimbu Province



**Appendix Four – Other Photographs**



Kundiawa – Cars Being Washed In The River (Left) And Meeting With M&E Team And Provincial Staff (Right)



Provincial Health Office In Kundiawa And Road Block In Salt Nomane



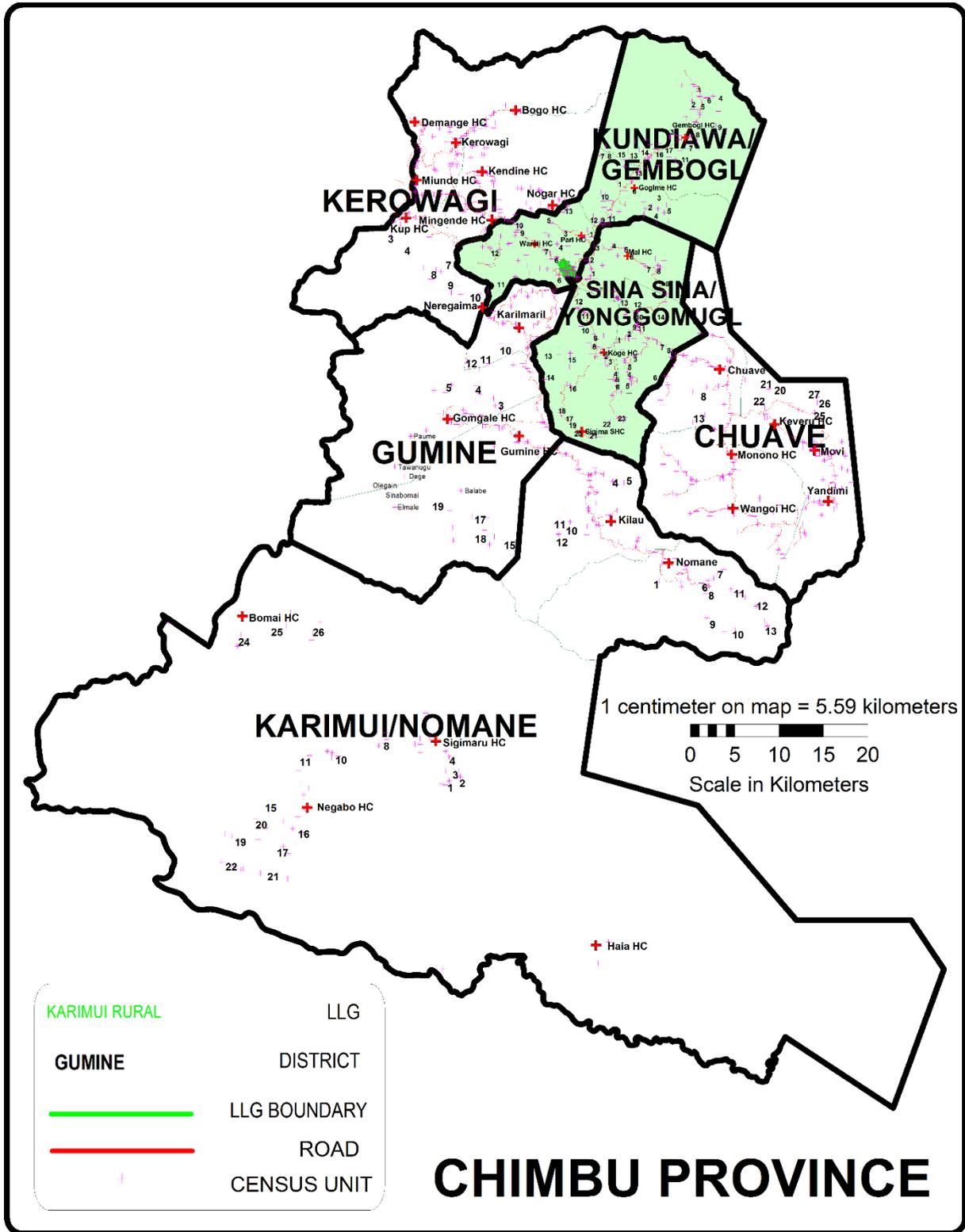
Village Lying In Chimbu Hill (Left) And Distribution IN Market Place In Kundiawa (Right)

## OTHER PICTURES

### Happy Customers



Appendix Five - Map Of Chimbu Showing Census Points Of 2000 Census



## ANNEX ONE

CHIMBU PROVINCE  
GUMINE DISTRICT POPULATION 2018  
LLIN DISTRIBUTION SUMMARY SHEET

LLG	WARD	VILLAGE	Estimated 2017 Population Based On Census	Projected Population Based On 2014 Survey	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment	
		<b>GUMINE</b>	<b>53,425</b>	<b>53,425</b>		<b>54,702</b>	<b>11,258</b>	<b>25,823</b>			<b>157</b>	<b>151</b>	<b>0</b>	<b>0</b>	<b>1,217</b>	<b>159</b>	
		<b>BOMAI \ GUMAI RURAL</b>	<b>11,066</b>	<b>10,941</b>		<b>12302</b>	<b>2536</b>	<b>5763</b>			<b>47</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>472</b>	<b>49</b>	
	1	ERA 1	<b>1,212</b>	<b>867</b>		<b>1,043</b>	<b>257</b>	<b>442</b>			<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>36</b>		
		Duabol	832	478	Gumine HC	621	150	256	08.02.18	1	1	0	0	16	NBC	Road	
		Moromaule	371	390	Gumine HC	357	88	154	08.02.18	1	1	0	0	11	NBC	Road	
		Moromaule Community Sch	9	0	Gumine HC	65	19	32	08.02.18	1	1	0	0	9	NBC	Road	
	2	ERA 2	<b>768</b>	<b>1,178</b>		<b>714</b>	<b>150</b>	<b>304</b>			<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>27</b>		
		Guma Kul	483	537	Gumine HC	227	50	102	08.02.18	1	1	0	0	11	NBC	Road	
		Dilawa	NEW		Gumine HC	257	50	111	08.02.18	1	1	0	0	6	NBC	Road	
		Kikerekur	285	641	Gumine HC	230	50	91	08.02.18	1	1	0	0	10	NBC	Road	
	3	ERA BULI	<b>1,115</b>	<b>974</b>		<b>774</b>	<b>196</b>	<b>322</b>			<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>17</b>		
		Kamkale	431	200	Gumine HC	180	50	77	08.02.18	1	1	0	0	1	NBC	Road / 2 hrs Trek	
		Kaulmai	290	377	Gumine HC	202	50	85	08.02.18	1	1	0	0	4	NBC	Road / 2 hrs Trek	
		Buli	215	186	Gumine HC	196	46	87	08.02.18	1	1	0	0	5	NBC	Road / 2 hrs Trek	
		Ninaiba	180	211	Gumine HC	196	50	73	08.02.18	1	1	0	0	7	NBC	Road / 2 hrs Trek	
	4	OMDARA	<b>757</b>	<b>970</b>		<b>1,543</b>	<b>250</b>	<b>682</b>			<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>9</b>		
		Nebarenil	309	0	Gumine HC	285	50	121	08.02.18	1	1	0	0	0	NBC	Road	
		Kralkoma/Omdara	448	0	Gumine HC	693	100	304	08.02.18	1	1	0	0	5	NBC	Road	
		Oblindin/Molgime		214	Gumine HC	309	50	144	08.02.18	1	1	0	0	4	NBC	Road	
		Waramon		264	Gumine HC	256	50	113	08.02.18	1	1	0	0	0	NBC	Road	
		Iri		150	Gumine HC											Migrated out to new villages	
		Omdara Primary Sch and Communi		342	Gumine HC											Migrated out to new villages	
	5	KUA	<b>688</b>	<b>515</b>		<b>1,072</b>	<b>207</b>	<b>506</b>			<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>62</b>		
		Diane	512	272	Gomgale HC	443	96	209	10.02.18	1	0	0	0	1	NBC	Road / 3 hr Trek	
		Dimila	117	243	Gomgale HC	145	32	66	10.02.18	1	1	0	0	26	NBC	Road / 3 hr Trek	
		Yopapai	NEW		Gomgale HC	299	46	140	12.02.18	1	1	0	0	34	NBC	Road / 3 hr Trek	
		Kua	58	0	Gomgale HC	185	33	91	10.02.18	1	1	0	0	1	NBC	Road / 3 hr Trek	
	6	DIA	<b>634</b>	<b>532</b>		<b>892</b>	<b>195</b>	<b>424</b>			<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>28</b>		
		Dia	275	280	Gomgale HC	225	50	105	10.02.18	1	1	0	0	12	NBC	Road	
		Dia Dekawe	NEW		Gomgale HC	420	96	203	13.02.18	1	1	0	0	1	NBC	Road	
		Dekawe (Dekaul)	359	252	Gomgale HC	247	49	116	10.02.18	1	1	0	0	15	NBC	Road	
	7	KOPAN	<b>500</b>	<b>611</b>		<b>670</b>	<b>133</b>	<b>320</b>			<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>39</b>		
		Dirwa Barwa	122	160	Gomgale HC	366	58	175	10.02.18	1	1	0	0	25	NBC	Road / 2 hr Trek	
		Diminelin	147	307	Gomgale HC	217	50	105	10.02.18	1	1	0	0	10	NBC	Road / 2 hr Trek	
		Blengi	232	145	Gomgale HC	87	25	40	10.02.18	1	1	0	0	4	NBC	Road / 2 hr Trek	
	8	YURI	<b>597</b>	<b>788</b>		<b>679</b>	<b>160</b>	<b>333</b>			<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>57</b>		
		Gomgale	205	261	Gomgale HC	245	62	123	09.02.18	1	1	0	0	15	NBC	Road	
		Alan	131	215	Gomgale HC	214	49	106	09.02.18	1	1	0	0	42	NBC	Road	
		Yoya	261	312	Gomgale HC	220	49	104	12.02.18	1	1	0	0	0	NBC	Road	
	9	DELIKU	<b>1,562</b>	<b>998</b>		<b>926</b>	<b>205</b>	<b>473</b>			<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>94</b>		
		Silegerua	616	478	Gomgale HC	420	105	221	09.02.18	1	1	0	0	37	NBC	Road	
		Ninawana	261	209	Gomgale HC	219	50	112	09.02.18	1	1	0	0	39	NBC	Road	
		Yoma/Alkua	450	312	Gomgale HC	287	50	140	10.02.18	1	1	0	0	18	NBC	Road	
		Kanoge	235	0	Gomgale HC										NBC	Non Existant	
	10	AINAKU	<b>627</b>	<b>414</b>		<b>550</b>	<b>117</b>	<b>273</b>			<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>16</b>		
		Mogaran	266	209	Gomgale HC	139	35	67	09.02.18	1	1	0	0	1	NBC	Road	
		Ulale	214	205	Gomgale HC	223	50	115	09.02.18	1	1	0	0	3	NBC	Road	
		Bayau	65	0	Gomgale HC										NBC	Non Existant	
		Keru	82	0	Gomgale HC	188	32	91	10.02.18	1	1	0	0	12	NBC	x1 bk/Road	
	11	KAWALEKU	<b>1,495</b>	<b>1,751</b>		<b>2,220</b>	<b>408</b>	<b>1,107</b>			<b>7</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>82</b>		
		Boromil	157	1,501	Gomgale HC	322	50	161	09.02.18	1	1	0	0	17	NBC	Road	
		Guna	515	0	Gomgale HC	620	92	296	09.02.18	1	1	0	0	25	NBC	Road	
		Gubani	177	0	Gomgale HC	247	61	133	09.02.18	1	1	0	0	1	NBC	Road	
		Gulba	192	0	Gomgale HC	422	50	217	09.02.18	1	1	0	0	12	NBC	Road	
		Yuribol	220	250	Gomgale HC	266	78	129	09.02.18	1	1	0	0	11	NBC	Road	
		Yoma	156	0	Gomgale HC	213	50	111	09.02.18	1	1	0	0	0	NBC	Road	
		Boromil Community Schoo	79	0	Gomgale HC	130	27	60	09.02.18	1	1	0	0	16	NBC	Road	
	12	NEBIKU	<b>1,111</b>	<b>1,343</b>		<b>1,219</b>	<b>258</b>	<b>577</b>			<b>7</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>5</b>		
		Paume	327	357	Gomgale HC	447	99	206	12.02.18	1	1	0	0	2	NBC	Road	
		Tawanugu	104	119	Gomgale HC	102	24	51	12.02.18	1	1	0	0	0	NBC	Road	
		Dege	153	144	Gomgale HC	127	29	62	12.02.18	1	1	0	0	0	NBC	Road	
		Olegain	527	136	Gomgale HC	179	38	84	12.02.18	1	1	0	0	0	NBC	Road	
		Bemilkon		191	Gomgale HC	219	38	106	12.02.18	1	1	0	0	0	NBC	Road	
		Welteke		194	Gomgale HC					1					NBC	Included under Puame	
		Warama		203	Gomgale HC	145	30	68	12.02.18	1	1	0	0	3	NBC	Road	
		<b>GUMINE RURAL</b>	<b>22,303</b>	<b>21,864</b>		<b>24,591</b>	<b>5,182</b>	<b>11,342</b>			<b>61</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>661</b>	<b>61</b>	
	1	TAGALA	<b>493</b>	<b>459</b>		<b>519</b>	<b>97</b>	<b>206</b>			<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>14</b>		
		Tagala	493	459	Gumine HC2	519	97	206	11.02.18	1	1	0	0	14	NBC	Road	
	2	OMKOLAI 1	<b>898</b>	<b>1,587</b>		<b>1,473</b>	<b>250</b>	<b>648</b>			<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>25</b>		
		Kaukau	671	888	Gumine HC2	550	100	250	13.02.18	1	1	0	0	6	NBC	Road	
		Omkolai H/S	227	699	Gumine HC2	923	150	398	13.02.18	1	1	0	0	19	NBC	Road	
	3	OMKOLAI 2	<b>1,651</b>	<b>1,297</b>		<b>1,307</b>	<b>350</b>	<b>639</b>			<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>32</b>		
		Birekul	665	528	Gumine HC2	580	150	292	14.02.18	1	1	0	0	1	NBC	Road	
		Kewabalme Nulsibawere	986	770	Gumine HC2	727	200	347	14.02.18	1	1	0	0	31	NBC	Road	

LLG	WARD	VILLAGE	Estimated 2017 Population Based On Census	Projected Population Based On 2014 Survey	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
4	YANI		1,454	1,057		1,781	348	839		3	3	0	0	99		
		Orome	811	447	Gumine HC2	702	100	340	12.02.18	1	1	0	0	58	NBC	Road
		Yani Gaiparaa		NEW	Gumine HC2	497	100	223	12.02.18	1	1	0	0	5	NBC	New Village
		Yani	643	610	Gumine HC2	582	148	276	13.02.18	1	1	0	0	36	NBC	Road
5	MILKINKANE		1,264	1,016		904	196	428		4	4	0	0	26		
		Boman Suluma	597	354	Gumine HC2	363	88	175	13.02.18	1	1	0	0	25	NBC	Road
		Oleku		NEW	Gumine HC2	242	49	108	13.02.18	1	1	0	0	0	NBC	New Village
		Guikan	306	434	Gumine HC2	44	9	20	13.02.18	1	1	0	0	0	NBC	Road
		New Camp	361	228	Gumine HC2	255	50	125	13.02.18	1	1	0	0	1	NBC	Road
6	BOMAIGAULIN		1,579	1,311		2,328	433	1,121		5	5	0	0	97		
		Sulama		NEW	Gumine HC2	249	50	132	13.02.18	1	1	0	0	22	NBC	New Village
		Kulpama		NEW	Gumine HC2	301	50	155		1	1	0	0	9	NBC	New Village
		Kamtai		NEW	Gumine HC2	300	50	146	13.02.18	1	1	0	0	9	NBC	New Village
		Brekulame		NEW	Gumine HC2	517	99	235	13.02.18	1	1	0	0	0	NBC	New Village
		Mama-Sane	909	533	Gumine HC2											Migrated out to new villages
		Ormekoan	670	778	Gumine HC2	961	184	453	13.02.18	1	1	0	0	57	NBC	Road
7	KIPAKU		1,249	980		1,245	301	561		3	3	0	0	60		
		Dirima Cath. Mission	43	103	Gumine HC2	211	53	94	12.02.18	1	1	0	0	8	NBC	Road
		Sintai	820	667	Gumine HC2	599	150	274	12.02.18	1	1	0	0	43	NBC	Road
		Talbakul	386	210	Gumine HC2	435	98	193	12.02.18	1	1	0	0	9	NBC	Road
8	ALEKU		1,288	1,087		1,388	278	739		4	4	0	0	49		
		Maunil		NEW	Gumine HC2	518	100	287	13.02.18	1	1	0	0	14	NBC	Road/30 Min Trek
		Balabe	242	0	Gumine HC2	156	30	78	11.02.18	1	1	0	0	16	NBC	Road/30 Min Trek
		Kunkuna	754	526	Gumine HC2	455	100	238	11.02.18	1	1	0	0	14	NBC	Road/30 Min Trek
		Warma	291	561	Gumine HC2	259	48	136	12.02.18	1	1	0	0	5	NBC	Road/30 Min Trek
9	KALEKU		1,081	1,049		1,499	279	725		2	2	0	0	28		
		Nimine	622	622	Gumine HC2	416	88	198	11.02.18	1	1	0	0	25	NBC	Road
		Minima	459	428	Gumine HC2	1083	191	527	13.02.18	1	1	0	0	3	NBC	Road
10	KOYAKU		1,274	1,548		1,530	336	694		4	4	0	0	46		
		Kuleka Malemain	535	437	Gumine HC2	704	150	326	13.02.18	1	1	0	0	10	NBC	Road
		Talbakoan	294	450	Gumine HC2					1	1	0	0	0	NBC	Included under Kuleka
		Sipakale		NEW	Gumine HC2	162	50	74	13.02.18	1	1	0	0	6	NBC	Road
		Urumil	446	660	Gumine HC2	664	136	294	13.02.18	1	1	0	0	30	NBC	Road
11	NIGEMARIME		1,259	1,207		1,239	290	575		3	3	0	0	27		
		Amia No	169	0	Gumine HC2											Non Existant
		Mingon (Sibile)	444	199	Gumine HC2	455	100	216	13.02.18	1	1	0	0	2	NBC	Road
		Nikimarme (Obil)	239	394	Gumine HC2	422	90	191	13.02.18	1	1	0	0	8	NBC	Road
		Yobagaulin (Wigo)	407	614	Gumine HC2	362	100	168	13.02.18	1	1	0	0	17	NBC	Road
12	GUMIN STATION		364	500		385	62	184		1	1	0	0	1		
		Gumine Stn	364	500	Gumine HC2	385	62	184	13.02.18	1	1	0	0	1	NBC	Road
13	KUNARKU		1,889	1,726		1,921	451	830		5	5	0	0	55		
		Birekoan	408	667	Gumine HC2	542	127	243	12.02.18	1	1	0	0	5	NBC	Road
		Bokil	428	552	Gumine HC2	387	100	171	12.02.18	1	1	0	0	18	NBC	Road
		Bokolma	598	0	Gumine HC2	179	50	76	12.02.18	1	1	0	0	4	NBC	Road
		Kawaliden		NEW	Gumine HC2	192	42	87	12.02.18	1	1	0	0	0	NBC	Road
		Polma	454	507	Gumine HC2	621	132	253	12.02.18	1	1	0	0	28	NBC	Road
14	MILAKU		1,417	1,122		1,353	300	562		2	2	0	0	5		
		Baunule	708	495	Gumine HC2	645	150	275	12.02.18	1	1	0	0	2	NBC	Road
		Mul R/H	708	627	Gumine HC2	708	150	287	12.01.18	1	1	0	0	3	NBC	Road
15	NERAKU		1,215	1,664		1,125	226	468		4	4	0	0	37		
		Nalbewera (Baune)	212	527	Gumine HC2	456	87	185	12.02.18	1	1	0	0	21	NBC	Road
		Kaukil	187	0	Gumine HC2	277	50	121	12.02.18	1	1	0	0	11	NBC	Road
		Kaluweri	492	808	Gumine HC2	233	49	96	12.02.18	1	1	0	0	0	NBC	Road
		Yoma	324	329	Gumine HC2	159	40	66	12.02.18	1	1	0	0	5	NBC	Road
16	EGEKU		1,034	1,040		771	169	354		3	3	0	0	16		
		Banule	279	394	Gumine HC2	215	50	95	12.02.18	1	1	0	0	3	NBC	Road
		Mul/Kone	290	239	Gumine HC2	250	50	119	12.02.18	1	1	0	0	4	NBC	Road
		Sua/Mui	465	407	Gumine HC2	306	69	140	12.02.18	1	1	0	0	9	NBC	Road
17	SA BUMINGAULIN		588	537		720	162	325		2	2	0	0	35		
		Amia	405	255	Gumine HC2	302	62	136	12.02.18	1	1	0	0	7	NBC	1 Day Trek
		Gilewele	183	282	Gumine HC2	418	100	189	12.02.18	1	1	0	0	28	NBC	1 Day Trek
18	SA NIGEKAIN		682	667		574	125	240		3	3	0	0	5		
		Endian	144	165	Gumine HC2	140	34	59	13.02.18	1	1	0	0	4	NBC	1 Day Trek
		Kone	251	245	Gumine HC2	187	41	85	13.02.18	1	1	0	0	0	NBC	1 Day Trek
		Yobamorua	287	258	Gumine HC2	247	50	96	13.02.18	1	1	0	0	1	NBC	1 Day Trek
19	SA TOBOKU		1,121	1,447		693	229	357		3	3	0	0	0		
		Gomba	355	481	Gumine HC2	145	50	71	12.02.18	1	1	0	0	0	NBC	1 Day Trek
		Nondri	560	714	Gumine HC2	320	93	140	12.02.18	1	1	0	0	0	NBC	1 Day Trek
		Talbakul Kiruwai	256	252	Gumine HC2	228	86	146	12.02.18	1	1	0	0	0	NBC	1 Day Trek
20	KUMAINE		505	561		986	150	440		2	2	0	0	4		
		Elmale	337	284	Gumine HC2	459	100	221	13.02.18	1	1	0	0	0	NBC	Road/2 Hr Trek
		Sinebomai	168	277	Gumine HC2	527	50	219	13.02.18	1	1	0	0	4	NBC	Road/2 Hr Trek
21	NONDRI					850	150	407		3	0	0	0	0		
		Elmale		NEW	Gumine HC2	338	50	166	10.02.18	1	0	0	0	0	NBC	1Day Trek
		Olegein		NEW	Gumine HC2	275	50	133	10.02.18	1	0	0	0	0	NBC	1Day Trek
		Sinebomai		NEW	Gumine HC2	237	50	108	10.02.18	1	0	0	0	0	NBC	1Day Trek
<b>MT DIGGIN RURAL</b>			<b>20,055</b>	<b>20,620</b>		<b>17,809</b>	<b>3,540</b>	<b>8,718</b>		<b>49</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>49</b>	
1	GORMA		471	619		360	73	177		1	1	0	0	2		
		Gorma	471	619	Karilmaril HC	360	73	177	15.02.18	1	1	0	0	2	FM	Road
2	KEL		1,562	1,947		1,499	292	718		5	5	0	0	6		
		Kauka	398	451	Karilmaril HC	443	100	213	12.02.18	1	1	0	0	2	FM	Road

LLG	WARD	VILLAGE	Estimated 2017 Population Based On Census	Projected Population Based On 2014 Survey	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
		Momowa	165	228	Karilmaril HC	231	49	111	12.02.18	1	1	0	0	1	FM	Road
		Morokaupa	370	469	Karilmaril HC	587	93	280	12.02.18	1	1	0	0	2	FM	Road
		Tapai	362	471	Karilmaril HC	238	50	114	12.02.18	1	1	0	0	1	FM	Road
		Waigani	267	327	Karilmaril HC					1	1	0	0		FM	Same as Waghi Bridge
3	KOROKEA		1,503	2,167		2,354	426	1,147		4	4	0	0	9		
		Kela	523	808	Karilmaril HC	528	100	258	03.02.18	1	1	0	0	2	FM	Road
		Korokoa	411	630	Karilmaril HC	602	100	295	03.02.18	1	1	0	0	2	FM	Road
		Onule	569	729	Karilmaril HC	866	176	419	03.02.18	1	1	0	0	4	FM	Road
		Whagi Bridge		NEW	Karilmaril HC	358	50	175	03.02.18	1	1	0	0	1	FM	Road
4	DIGIBE		786	938		902	176	449		3	3	0	0	4		
		Anima	316	424	Karilmaril HC	424	99	210	14.02.18	1	1	0	0	2	FM	Road
		Towai	209	164	Karilmaril HC	283	31	142	14.02.18	1	1	0	0	1	FM	Road
		Yaire	260	350	Karilmaril HC	195	46	97	14.02.18	1	1	0	0	1	FM	Road
5	SIPAGUL		1,905	1,796		1,782	379	880		6	6	0	0	9		
		Kolakui	333	391	Karilmaril HC	325	96	167	14.02.18	1	1	0	0	2	FM	Road
		Kumnulo	662	509	Karilmaril HC	348	72	170	14.02.18	1	1	0	0	2	FM	Road
		Siultopil Yorua	569	597	Karilmaril HC	564	100	276	14.02.18	1	1	0	0	2	FM	Road
		Yopapiau	342	299	Karilmaril HC	148	32	73	14.02.18	1	1	0	0	1	FM	Road
		Buwalmaule		NEW	Karilmaril HC	180	42	88	14.02.18	1	1	0	0	1	FM	Road
		Kumkuba/Bari		NEW	Karilmaril HC	217	37	106	14.02.18	1	1	0	0	1	FM	Road
6	GENABONA		1,980	2,150		1,322	324	657		5	4	0	0	9		
		Birima/Bruma	581	808	Karilmaril HC	426	131	211	13.02.18	1	1	0	0	3	FM	Road
		Genabona	493	491	Karilmaril HC	466	90	230	14.02.18	1	1	0	0	2	FM	Road
		Morogabil	242	321	Karilmaril HC	157	32	80	14.02.18	1	1	0	0	1	FM	Road
		Nildikan	664	530	Karilmaril HC	150	45	75	14.02.18	1	1	0	0	2	FM	Road
		Baunewela		NEW	Karilmaril HC	123	26	61	14.02.18	1	1	0	0	1	FM	Road
7	KARILMARIL		2,905	2,742		2,667	450	1,315		6	6	0	0	12		
		Dipmine	1,488	1,281	Karilmaril HC	1537	211	753	11.02.18	1	1	0	0	5	FM	Road
		Galma/Kolma	150	194	Karilmaril HC											Kolma in Ward Nine
		Gulbope	368	299	Karilmaril HC	229	44	112	11.02.18	1	1	0	0	1	FM	Road
		Iraulakule	517	528	Karilmaril HC	219	51	109	11.02.18	1	1	0	0	2	FM	Road
		Karilmaril Stn	79	146	Karilmaril HC	340	71	172	11.02.18	1	1	0	0	2	FM	Road
		Siminkoli	303	294	Karilmaril HC	200	50	99	11.02.18	1	1	0	0	1	FM	Road
		Kola Ba/Waimule		NEW	Karilmaril HC	142	23	70	11.02.18	1	1	0	0	1	FM	Road
8	GAIMA		2,511	2,559		2,288	459	1,108		6	6	0	0	12		
		Baul	251	404	Karilmaril HC	161	39	77	12.02.18	1	1	0	0	1	FM	Road
		Gaima	241	243	Karilmaril HC	421	86	207	11.02.18	1	1	0	0	2	FM	Road
		Goma	613	700	Karilmaril HC	627	129	300	12.02.18	1	1	0	0	3	FM	Road
		Kelmakeli	1,206	1,041	Karilmaril HC	826	154	401	12.02.18	1	1	0	0	4	FM	Road
		Sulmaule	200	170	Karilmaril HC	153	31	75	11.02.18	1	1	0	0	1	FM	Road
		Kilau		NEW	Karilmaril HC	100	20	48	11.02.18	1	1	0	0	1	FM	Road
9	MUNUMA		3,530	3,308		2,421	526	1,172		5	5	0	0	12		
		Bemal	371	365	Karilmaril HC	212	43	102	12.02.18	1	1	0	0	1	FM	Road
		Kolma	670	990	Karilmaril HC	647	200	313	12.02.18	1	1	0	0	4	FM	Road
		Milma	1,014	827	Karilmaril HC	668	118	325	12.02.18	1	1	0	0	3	FM	Road
		Munuma	979	576	Karilmaril HC	567	91	274	11.02.18	1	1	0	0	2	FM	Road
		Nawa	496	550	Karilmaril HC	327	74	158	11.02.18	1	1	0	0	2	FM	Road
10	OLDALE		931	1,119		957	195	471		3	3	0	0	5		
		Pildimna	545	525	Karilmaril HC	330	68	162	14.02.18	1	1	0	0	2	FM	Road / 1 hr Trek
		Youma	386	594	Karilmaril HC	514	100	252	14.02.18	1	1	0	0	2	FM	Road / 1 hr Trek
		Iremaul		NEW	Karilmaril HC	113	27	57	14.02.18	1	1	0	0	1	FM	Road / 1 hr Trek
11	OLDALE 1		1,528	1,059		977	184	484		3	3	0	0	4		
		Dinidam	691	568	Karilmaril HC	578	100	288	15.02.18	1	1	0	0	2	FM	Road / 2 hrs Trek
		Komikamale	364	269	Karilmaril HC	223	47	109	15.02.18	1	1	0	0	1	FM	Road / 2 hrs Trek
		Oldale	474	221	Karilmaril HC	176	37	87	14.02.18	1	1	0	0	1	FM	Road / 2 hrs Trek
12	OLDALE 2		444	218		280	56	140		2	2	0	0	0		
		Malgime	205	142	Karilmaril HC	187	37	94	14.02.18	1	1	0	0	0	FM	Road / 2 hrs Trek
		Yuribol	239	77	Karilmaril HC	93	19	46	14.02.18	1	1	0	0	0	FM	Road / 2 hrs Trek

## ANNEX TWO

CHIMBU PROVINCE  
KARIMI NOMANE DISTRICT POPULATION 2019  
LLIN DISTRIBUTION SUMMARY SHEET

LLG	WARD	VILLAGE	Estimated 2017 Population Based On Census	Projected Population Based On 2014 Survey	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
<b>KARIMUI \ NOMANE</b>			<b>54,499</b>	<b>54,499</b>		<b>25,970</b>	<b>5,563</b>	<b>12,871</b>		<b>102</b>	<b>102</b>	<b>0</b>	<b>0</b>	<b>219</b>	<b>49</b>	
<b>KARIMUI RURAL</b>			<b>25,295</b>	<b>29,075</b>		<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	
1	YURO 1		<b>2,005</b>	<b>2,279</b>												
		Naiyo 2 (Yuro)	822	932	Sigamuru HC											3 Hr Trek
		Naiyo 1	385	377	Sigamuru HC											3 Hr Trek
		Yawiyo	798	970	Sigamuru HC											3 Hr Trek
2	YURO 2		<b>1,195</b>	<b>1,549</b>												
		Sogo 2	379	610	Sigamuru HC											3 Hr Trek
		Moiyo	357	569	Sigamuru HC											3 Hr Trek
		Hoiyayo	459	369	Sigamuru HC											3 Hr Trek
3	HUWAIYO		<b>1,065</b>	<b>1,155</b>												
		Waiyo	502	510	Sigamuru HC											2.5 Hr Trek
		Wenaiyo	562	645	Sigamuru HC											2.5 Hr Trek
4	WARIO		<b>1,474</b>	<b>1,755</b>												
		Kiasivi (Wario)	292	135	Sigamuru HC											10mins Walk from HC
		Sebelisivi	385	426	Sigamuru HC											1 Hr Walk from HC
		Sororasivi	372	228	Sigamuru HC											20 Min Walk from HC
		Magiagi Block	280	352	Sigamuru HC											20mins walk from HC
		Kerepa Community School	51	82	Sigamuru HC											5mins walk from HC
		Sigimaru H/Cen	93	532	Sigamuru HC											Included under Kerepa
5	KARIMUI STATION 1		<b>835</b>	<b>1,046</b>												
		Meiyo	400	301	Sigamuru HC											20 Min Walk
		Solida	169	510	Sigamuru HC											20 Min Walk
		Karimui Station	265	235	Sigamuru HC											20 Min Walk
6	KARIMUI STATION 2		<b>1,362</b>	<b>1,606</b>												
		Peria (Karimui)	235	568	Sigamuru HC											1.5 Hr Trek
		Wegisivi	283	134	Sigamuru HC											30 Min Walk
		Orokomaru	130	152	Sigamuru HC											NBC/Radio lig 30 Min Walk
		Tobaiyakoma	355	464	Sigamuru HC											NBC/Radio lig 30 Min Walk
		Kagosili	357	287	Sigamuru HC											NBC/Radio lig 30 Min Walk
7	NOROWAI		<b>741</b>	<b>923</b>												
		Noruai	228	368	Sigamuru HC											45 Min Walk
		Kiribari	285	275	Sigamuru HC											45 Min Walk
		Kurube	228	280	Sigamuru HC											45 Min Walk
8	BOISAMARU 1		<b>973</b>	<b>1,184</b>												
		Boisamaru	207	352	Sigamuru HC											2.5 Hr Trek
		Kepanisivi	169	216	Sigamuru HC											Included under Boisamaru Com School
		Walaisivi	195	154	Sigamuru HC											2.5 Hr Trek
		Tiosibi	394	200	Sigamuru HC											2.5 Hr Trek
		Boisamaru Community Schoo	7	261	Sigamuru HC											2.5 Hr Trek
9	BOISAMARU 2		<b>444</b>	<b>642</b>												
		Soboro	444	642	Sigamuru HC											3 Hr Trek
10	YOGOROMARU		<b>918</b>	<b>1,212</b>												
		Yogoromaru	369	574	Negabo HC											Local
		Asanugai	49	254	Negabo HC											Local
		Todaiya	307	142	Negabo HC											Local
		Bunibiri	148	213	Negabo HC											
		Yogoromaru Community Sch	43	30	Negabo HC											Local
11	DIBE 1		<b>664</b>	<b>908</b>												
		Dibe	258	425	Negabo HC											
		Sogo 1	166	241	Negabo HC											
		Irage	240	243	Negabo HC											
12	DIBE 2		<b>435</b>	<b>368</b>												
		Sogo 2	435	368	Negabo HC											
13	NEGABO		<b>1,227</b>	<b>1,369</b>												
		Negabo	439	386	Negabo HC											
		Yogobo 1&2	237	349	Negabo HC											
		Beiye	327	382	Negabo HC											
		Tomobisibi	204	114	Negabo HC											
		Negabo H/Cen	19	137	Negabo HC											
14	TUA 1		<b>409</b>	<b>456</b>												
		Tua	409	456	Negabo HC											
15	TUA 2 ( TILIGE )		<b>994</b>	<b>1,059</b>												
		Tilige	549	550	Negabo HC											
		Bobo	445	509	Negabo HC											
16	MASI		<b>1,054</b>	<b>909</b>												
		Maina	469	525	Negabo HC											
		Walaisivi	168	144	Negabo HC											
		Okanoma	417	241	Negabo HC											
		Haseka		NEW	Negabo HC											
17	MAINA 1		<b>814</b>	<b>1,109</b>												
		Masi	295	435	Negabo HC											
		Saiya	184	131	Negabo HC											
		Anobai	141	291	Negabo HC											
		Noruasiwi	193	252	Negabo HC											
18	MAINA 2		<b>681</b>	<b>459</b>												
		Hoyaisivi	681	459	Negabo HC											
19	SOLARI ( NORU )		<b>1,486</b>	<b>1,587</b>												
		Tomobirisibi	298	771	Negabo HC											

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		Eleiname	327	0	Negabo HC											
		Sulusibi	439	307	Negabo HC											
		Dogogasibi	421	510	Negabo HC											
20	SOLA		<b>424</b>	<b>542</b>												
		Sorolai	184	262	Negabo HC											
		Tagaro	240	280	Negabo HC											
21	WAIAMANI ( DOBU )		<b>591</b>	<b>1,313</b>												
		Kalabai	214	377	Negabo HC											
		Yamane	168	324	Negabo HC											
		Wegiro	208	294	Negabo HC											
		Kewasiki		319	Negabo HC											
22	DOBEA		<b>643</b>	<b>381</b>												
		Dobu	223	90	Negabo HC											
		Bunubiri	178	291	Negabo HC											
		Gomia	241	0	Negabo HC											
		HOBE (New Ward)		503												
		Nabi		227	Negabo HC											
		Sau		277	Negabo HC											
23	OROTABI (BOMAI )		<b>729</b>	<b>642</b>												
		Alobiri	109	133	Bomai HC											
		Bomai Station	450	354	Bomai HC											
		Naizimi	169	154	Bomai HC											
24	UNANE		<b>466</b>	<b>470</b>												
		Unane	324	278	Bomai HC											
		Weiyu	142	193	Bomai HC											
25	SURUKA ( KAPI )		<b>670</b>	<b>824</b>												
		Kapi	306	373	Bomai HC											
		Suruka	183	215	Bomai HC											
		Sagain	181	236	Bomai HC											
26	HAlA		<b>1,435</b>	<b>1,078</b>												
		Talabakul	483	234	Bomai HC											
		Dibesibi	487	195	Bomai HC											
		Husukai	190	228	Bomai HC											
		Sanibiri	274	421	Bomai HC											
27	SOLIABETO		<b>1,554</b>	<b>1,749</b>												
		Haia	456	607	Haia HC											
		Soliabeto	292	252	Haia HC											
		Wezena	351	270	Haia HC											
		Jou	259	155	Haia HC											
		Yene	180	0	Haia HC											
		Haia Community School	15	14	Haia HC											
		Japramaru	0	156	Haia HC											
		Punjano	0	0	Haia HC											
		Toiyari	0	294	Haia HC											
		Uheino	0	0	Haia HC											
		Joalailo	0	0	Haia HC											
		Soma		NEW	Haia HC											
<b>NOMANE RURAL</b>			<b>10,060</b>	<b>10,289</b>		<b>8,597</b>	<b>1,877</b>	<b>4,529</b>		<b>46</b>	<b>46</b>	<b>0</b>	<b>0</b>	<b>219</b>	<b>46</b>	
1	DEKAMANE		<b>1,137</b>	<b>1,155</b>		<b>810</b>	<b>180</b>	<b>426</b>		<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>62</b>		
		Dikamane	364	398	Nomane HC	323	65	174	11.02.18	1	1	0	0	9	NBC	Road
		Nobu	541	588	Nomane HC	277	66	149	11.02.18	1	1	0	0	4	NBC	Road
		Nokul	231	169	Nomane HC	210	49	103	11.02.18	1	1	0	0	49	NBC	Road
2	AUMA		<b>807</b>	<b>694</b>		<b>530</b>	<b>110</b>	<b>291</b>		<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>16</b>		
		Auma	382	313	Nomane HC	197	26	103	09.02.18	1	1	0	0	2	NBC	Road
		Kurigaba	199	227	Nomane HC	200	44	105	10.02.18	1	1	0	0	8	NBC	Road
		Borol	225	154	Nomane HC	133	40	83	10.02.18	1	1	0	0	6	NBC	Road
3	GAIMO		<b>621</b>	<b>589</b>		<b>511</b>	<b>113</b>	<b>281</b>		<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>12</b>		
		Gaimahou	258	210	Nomane HC	187	35	102	10.02.18	1	1	0	0	10	NBC	Road
		Wairiba	210	218	Nomane HC	153	38	86	10.02.18	1	1	0	0	1	NBC	Road
		Nomane Luth Mission	39	161	Nomane HC	71	18	40	10.02.18	1	1	0	0	1	NBC	Road
		Nomane Hlth Cntr	81	0	Nomane HC	46	11	26	10.02.18	1	1	0	0	0	NBC	Road
		Nomane Primary School	33	0	Nomane HC	54	11	27	10.02.18	1	1	0	0	0	NBC	Road
4	KOLU		<b>1,137</b>	<b>1,340</b>		<b>905</b>	<b>250</b>	<b>490</b>		<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>38</b>		
		Nirmil	139	180	Nomane HC	103	29	60	11.02.18	1	1	0	0	1	NBC	Road
		Borowal	144	219	Nomane HC	184	50	94	10.02.18	1	1	0	0	2	NBC	Road
		Beetle Creek	219	234	Nomane HC	167	50	90	11.02.18	1	1	0	0	0	NBC	Road
		Obi (Goyaku)	304	333	Nomane HC	137	33	71	10.02.18	1	1	0	0	33	NBC	Road
		New Block	217	179	Nomane HC	180	50	101	10.02.18	1	1	0	0	2	NBC	Road
		Haral	112	195	Nomane HC	134	38	74	11.02.18	1	1	0	0	0	NBC	Road
5	ORU		<b>1,029</b>	<b>956</b>		<b>842</b>	<b>175</b>	<b>452</b>		<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Habai Bolan	466	187	Nomane HC	159	41	89	09.02.18	1	1	0	0	0	NBC	Road
		Habaihou	145	243	Nomane HC	419	89	222	11.02.18	1	1	0	0	0	NBC	Road
		Holu	271	307	Nomane HC	149	26	75	10.02.18	1	1	0	0	0	NBC	Road
		Mai	145	219	Nomane HC	115	19	66	10.01.18	1	1	0	0	0	NBC	Road
6	MONOWARI		<b>718</b>	<b>682</b>		<b>504</b>	<b>105</b>	<b>265</b>		<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>42</b>		
		Kempton	234	187	Nomane HC	133	23	68	11.02.18	1	1	0	0	21	NBC	Road
		Monowari	349	363	Nomane HC	165	33	89	11.02.18	1	1	0	0	4	NBC	Road
		Yowai	135	132	Nomane HC	206	49	108	11.02.18	1	1	0	0	17	NBC	Road
7	KORA		<b>783</b>	<b>483</b>		<b>651</b>	<b>117</b>	<b>329</b>		<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>6</b>		
		Gola	402	230	Nomane HC	307	44	149	11.02.18	1	1	0	0	0	NBC	Road
		Gomla	103	0	Nomane HC	97	21	55	11.02.18	1	1	0	0	0	NBC	Road
		Nam	271	253	Nomane HC	170	40	89	11.02.18	1	1	0	0	6	NBC	Road
		Yowai Community School	6	0	Nomane HC	77	12	36	12.02.18	1	1	0	0	0	NBC	Road
8	DAMA		<b>370</b>	<b>353</b>		<b>379</b>	<b>64</b>	<b>210</b>		<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Gerema	370	353	Nomane HC	379	64	210	11.02.18	1	1	0	0	0	NBC	Road

LLG	WARD	VILLAGE	Estimated 2017 Population Based On Census	Projected Population Based On 2014 Survey	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digital	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
9	HOPUM		421	415		413	78	198		2	2	0	0	0		
		Homane Ounum	199	111	Nomane HC	249	50	118	13.02.18	1	1	0	0	0	NBC	Road
		Obum	222	304	Nomane HC	164	28	80	13.02.18	1	1	0	0	0	NBC	Road
10	YUWAI		312	573		304	74	144		2	2	0	0	0		
		Mariox	136	270	Nomane HC	143	30	59	13.02.18	1	1	0	0	0	NBC	Road
		Yuwai	175	302	Nomane HC	161	44	85	13.02.18	1	1	0	0	0	NBC	Road
11	APURI		837	906		820	156	435		3	3	0	0	38		
		Kabre	402	415	Nomane HC	406	84	219	11.02.18	1	1	0	0	34	NBC	Road
		Wahongo	153	217	Nomane HC	180	32	98	11.02.18	1	1	0	0	0	NBC	Road
		Waula	282	274	Nomane HC	234	40	118	11.02.18	1	1	0	0	4	NBC	Road
12	KUKAMA		564	704		684	181	355		4	4	0	0	5		
		Kiari Community School	18	0	Nomane HC	193	50	96	11.02.18	1	1	0	0	1	NBC	Road
		Kunol	229	230	Nomane HC	229	50	117	12.02.18	1	1	0	0	4	NBC	Road
		Mau	142	260	Nomane HC	107	31	54	12.02.18	1	1	0	0	0	NBC	Road
		Yunoho	174	214	Nomane HC	155	50	88	11.02.18	1	1	0	0	0	NBC	Road
13	KALEM		1,323	1,440		1,244	274	653		6	6	0	0	0		
		Kukuma	277	436	Nomane HC	277	64	146	12.02.18	1	1	0	0	0	NBC	Road / 1 Hr Trek
		Muragoi	301	214	Nomane HC	210	50	111	11.02.18	1	1	0	0	0	NBC	Road / 1 Hr Trek
		Aburi	289	222	Nomane HC	256	50	130	12.02.18	1	1	0	0	0	NBC	Road / 1 Hr Trek
		Muneri	304	154	Nomane HC	219	50	118	12.02.18	1	1	0	0	0	NBC	Road / 1 Hr Trek
		Las Wara	97	413	Nomane HC	223	47	113	12.02.18	1	1	0	0	0	NBC	Road / 1 Hr Trek
		Owaiho	52	0	Nomane HC	59	13	35	12.02.18	1	1	0	0	0	NBC	Road / 1 Hr Trek
<b>SALT RURAL</b>			<b>19,144</b>	<b>15,135</b>		<b>17,373</b>	<b>3,686</b>	<b>8,342</b>	<b>0</b>	<b>56</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
1	BANEWERA		1,167	730		969	216	464		3	3	0	0	0		
		Ameri	265	191	Kilau HC	368	80	176	13.02.18	1	1	0	0	0		Road
		Baniwera	295	198	Kilau HC	238	50	114	13.02.18	1	1	0	0	0		Road
		Hanbai (Mangi)	606	342	Kilau HC	363	86	174	13.02.18	1	1	0	0	0		Road
2	SUA		2,622	1,664		620	138	297		2	2	0	0	0		
		Yobaboli	489	247	Kilau HC	338	78	162	14.02.18	1	1	0	0	0		Road
		Suabegil	289	387	Kilau HC	282	60	135	14.02.18	1	1	0	0	0		Road
		Deri/Sua	483	473	Kilau HC											Refer ward 24
		Mirima	913	322	Kilau HC											Refer ward 24
		Bosla	447	234	Kilau HC											Refer ward 24
3	DIRIMA		1,150	1,449		1,340	260	643		4	4	0	0	0		
		Aregigi	198	85	Kilau HC	162	33	76	14.02.18	1	1	0	0	0		Road
		Dirima 2	531	618	Kilau HC	300	64	145	14.02.18	1	1	0	0	0		Road
		Doliba High School	13	368	Kilau HC	323	63	156	14.02.18	1	1	0	0	0		Road
		Moma	408	377	Kilau HC	555	100	266	14.02.18	1	1	0	0	0		Road
4	DIANI		858	606		685	129	329		2	2	0	0	0		
		Diani	424	396	Kilau HC	324	64	156	14.02.18	1	1	0	0	0		Road
		Yobai	433	210	Kilau HC	361	65	173	14.02.18	1	1	0	0	0		Road
5	GOROBA		459	429		491	116	236		2	2	0	0	0		
		Baibai	187	202	Kilau HC	221	50	106	14.02.18	1	1	0	0	0		Road
		Goroba	271	227	Kilau HC	270	66	130	14.02.18	1	1	0	0	0		Road
6	AINABANE		790	822		572	115	278		2	2	0	0	0		
		Bogahulalua	357	399	Kilau HC	330	65	160	13.02.18	1	1	0	0	0		Road
		Hamanedimane	433	423	Kilau HC	242	50	118	13.02.18	1	1	0	0	0		Road
7	PERUI		589	435		551	112	263		2	2	0	0	0		
		Ainabane	129	99	Kilau HC	143	30	69	13.02.18	1	1	0	0	0		Road
		Perui	460	336	Kilau HC	408	82	194	13.02.18	1	1	0	0	0		Road
8	YOPAKENI		817	193		415	94	200		1	1	0	0	0		
		Gomiri	817	193	Kilau HC	415	94	200	13.02.18	1	1	0	0	0		Road
9	YOPAERI		1,383	818		1,370	396	655		3	3	0	0	0		
		Oinima	541	208	Kilau HC	479	149	228	14.02.18	1	1	0	0	0		Road
		Simniril	537	426	Kilau HC	509	147	244	14.02.18	1	1	0	0	0		Road
		Yobaeri	304	185	Kilau HC	382	100	183	14.02.18	1	1	0	0	0		Road
10	MOGIAGI		363	374		510	92	245		2	2	0	0	0		
		Kenamaina (Kul)	127	195	Kilau HC	187	42	90	09.02.18	1	1	0	0	0		Trek
		Minaguri	235	179	Kilau HC	323	50	155	09.02.18	1	1	0	0	0		Trek
11	MORINIL \ KORI		543	573		642	121	311		3	3	0	0	0		
		Brokul	192	231	Kilau HC	269	50	129	09.02.18	1	1	0	0	0		Road / 1 Hr Trek
		Morikama	103	136	Kilau HC	196	39	94	09.02.18	1	1	0	0	0		Road / 1 Hr Trek
		Morinil Kol	247	205	Kilau HC	177	32	88	09.02.18	1	1	0	0	0		Road / 1 Hr Trek
12	YOPAKUL		172	370		273	33	132		2	2	0	0	0		
		Munikobale	82	164	Kilau HC	153	21	74	09.02.18	1	1	0	0	0		Road / 1 Hr Trek
		Yopakul	90	206	Kilau HC	120	12	58	09.02.18	1	1	0	0	0		Road / 1 Hr Trek
13	WAIDO		574	520		690	128	328		2	2	0	0	0		
		Yobabolisi (Mini)	219	262	Kilau HC	249	46	117	12.02.18	1	1	0	0	0		Road
		Yolawaido	355	259	Kilau HC	441	82	211	12.02.18	1	1	0	0	0		Road
14	TAPAEKUL		478	374		485	102	232		2	2	0	0	0		
		Nimegula	205	146	Kilau HC	206	38	98	12.02.18	1	1	0	0	0		Road
		Tabaikul	273	228	Kilau HC	279	64	134	12.02.18	1	1	0	0	0		Road
15	KOBIE BALAMIL		358	448		527	79	255		1	1	0	0	0		
		Koblobalanil	358	448	Kilau HC	527	79	255	12.02.18	1	1	0	0	0		Road
16	TAPAI		1,068	975		1,051	207	503		5	5	0	0	0		
		Gigebemalgi	124	73	Kilau HC	148	29	71	12.02.18	1	1	0	0	0		Road
		Tabai (Molalva)	196	209	Kilau HC	160	35	77	12.02.18	1	1	0	0	0		Road
		Humbaba	207	246	Kilau HC	255	50	121	12.02.18	1	1	0	0	0		Road
		Beregule	235	208	Kilau HC	165	35	79	12.02.18	1	1	0	0	0		Road
		Kabnibani	304	239	Kilau HC	323	58	155	12.02.18	1	1	0	0	0		Road
17	YURIBOL		837	677		847	158	408		3	3	0	0	0		
		Yuribol	379	350	Kilau HC	423	78	204	12.02.18	1	1	0	0	0		Road
		Saina/Town Gan	387	251	Kilau HC	368	70	177	12.02.18	1	1	0	0	0		Road
		Kilau Station	70	76	Kilau HC	56	10	27	12.02.18	1	1	0	0	0		Road
18	MIRIMA		607	390		469	104	225		2	2	0	0	0		

LLG	WARD	VILLAGE	Estimated 2017 Population Based On Census	Projected Population Based On 2014 Survey	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
		Erema	364	194	Kilau HC	227	62	109	09.02.18	1	1	0	0	0		Road
		Moma (Mirima)	243	196	Kilau HC	242	42	116	09.02.18	1	1	0	0	0		Road
19	BORI		<b>562</b>	<b>203</b>		<b>443</b>	<b>113</b>	<b>212</b>		<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Bori/Pulma	234	153	Kilau HC	198	50	95	09.02.18	1	1	0	0	0		Road
		Bri/Yorihul	328	50	Kilau HC	245	63	117	09.02.18	1	1	0	0	0		Road
20	MULUGRA		<b>352</b>	<b>445</b>		<b>357</b>	<b>84</b>	<b>171</b>		<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Nilnere	256	0	Kilau HC	138	34	66	09.02.18	1	1	0	0	0		Road
		Murugra	96	445	Kilau HC	219	50	105	09.02.18	1	1	0	0	0		Road
21	MANKON		<b>610</b>	<b>510</b>		<b>529</b>	<b>112</b>	<b>256</b>		<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Mankon	369	298	Kilau HC	383	85	184	09.02.18	1	1	0	0	0		Road
		Dulai	241	212	Kilau HC	146	27	72	09.02.18	1	1	0	0	0		Road
22	KAMA		<b>1,417</b>	<b>1,049</b>		<b>1,096</b>	<b>279</b>	<b>526</b>		<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Olwi	735	743	Kilau HC	540	150	259	14.02.18	1	1	0	0	0		Road
		Kama	682	307	Kilau HC	556	129	267	14.02.18	1	1	0	0	0		Road
23	GAIMA		<b>1,362</b>	<b>1,082</b>		<b>651</b>	<b>134</b>	<b>312</b>		<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Gaima Dawa	507	531	Kilau HC	651	134	312	14.02.18	1	1	0	0	0		Road
		Mainkuri	855	551	Kilau HC											Same as Gaima Dawa
24	DERI					<b>1,790</b>	<b>364</b>	<b>861</b>		<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		Deri/Sua	483	473	Kilau HC	604	97	289	14.02.18	1	1	0	0	0		Road
		Mirima	913	322	Kilau HC	517	125	248	14.02.18	1	1	0	0	0		Road
		Bosla	447	234	Kilau HC	456	92	220	14.02.18	1	1	0	0	0		Road
		Omcole	213	0	Kilau HC	213	50	104	14.02.18	1	1	0	0	0		Road

**ANNEX THREE**

**CHIMBU PROVINCE  
KEROWAGI DISTRICT POPULATION 2018  
LLIN DISTRIBUTION SUMMARY SHEET**

LLG	WARD	VILLAGE	Estimated 2017 Population Based On Census	Projected Population Based On 2014 Survey	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
<b>KEROWAGI</b>			<b>83,448</b>	<b>83,448</b>		<b>2,781</b>	<b>512</b>	<b>1,368</b>		<b>11</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>11</b>	
<b>KUP RURAL</b>			<b>18,914</b>	<b>19,013</b>		<b>2,781</b>	<b>512</b>	<b>1,368</b>		<b>11</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>11</b>	
1	KUMGA		2,101	3,497												
		Kup	402	439	Kup HC											
		Tembuka	297	355	Kup HC											
		Whagi Bridge	1,115	1,304	Kup HC											
		Dondua	251	430	Kup HC											
		Kup Strn.	21	135	Kup HC											
		Kup Community School	15	834	Kup HC											
2	KUMAI BONMEKU		2,218	2,485												
		Gamar 2	621	1,048	Kup HC											
		Kuzil	1,030	654	Kup HC											
		Niglgol	567	783	Kup HC											
3	YURI		1,419	1,843												
		Warabegua	517	576	Kup HC											
		Domna	266	288	Kup HC											
		Nilba	636	979	Kup HC											
4	KUMI DEINGEKU		882	1,209												
		Muru 1	609	709	Kup HC											
		Muru Community School	274	500	Kup HC											
5	KUMA KINDINGAPAM		1,118	1,290												
		Muru 2	243	360	Kup HC											
		Gonga	359	406	Kup HC											
		Dobil	516	525	Kup HC											
6	ENDUGLA NANGINKU		2,428	2,252												
		Kerenga	904	755	Kup HC											
		Gawale	449	460	Kup HC											
		Gurumugl	878	799	Kup HC											
		Dimbai	198	238	Kup HC											
7	ENDUGLA KUNAUNAKA		2,424	2,714												
		Iuage	590	740	Kup HC											
		Gunbo	1,155	1,361	Kup HC											
		Erimandai	263	218	Kup HC											
		Konmil Community School	415	395	Kup HC											
8	ENDUGLA KUNAUNAKU 2		1,248	1,035												
		Bi	788	745	Kup HC											
		Tambunoyaundo	459	289	Kup HC											
9	BANDI 2		2,652	1,477		1,520	289	731		7	7	0	0	29	11	
		Guruwal	525	218	Neregaima M	100	25	51	13.05.18	1	1	0	0	3	FM,AM	Road/2 hrs trek
		Yopa	583	399	Neregaima M	373	77	174	13.05.18	1	1	0	0	8	FM,AM	Road/2 hrs trek
		Kui	554	171	Neregaima M	220	43	104	13.05.18	1	1	0	0	4	FM,AM	Road/2 hrs trek
		Ulwai		NEW	Neregaima M	194	33	98	13.05.18	1	1	0	0	7	FM,AM	Road/2 hrs trek
		Urugai	619	534	Neregaima M	235	40	107	12.05.18	1	1	0	0	1	FM,AM	Road/2 hrs trek
		kuglame Community School			Neregaima M	254	50	125	13.05.18	1	1	0	0	5	FM,AM	Road/2 hrs trek
		Duamelma	371	154	Neregaima M	144	21	72	12.05.18	1	1	0	0	1	FM,AM	Road/2 hrs trek
10	BANDI No 1		2,424	1,210		1,261	223	637		4	4	0	0	16		
		Moromambuno	1,140	263	Neregaima M	267	53	140	12.05.18	1	1	0	0	9	FM,AM	Road/2 hrs trek
		Neregaima	630	315	Neregaima M	295	49	149	12.05.18	1	1	0	0	0	FM,AM	Road/2 hrs trek
		Kamtai	438	473	Neregaima M	503	80	246	12.05.18	1	1	0	0	4	FM,AM	Road/2 hrs trek
		Neregaima Cath Mission	216	160	Neregaima M	196	41	102	12.05.18	1	1	0	0	3	FM,AM	Road/2 hrs trek

## ANNEX FOUR

CHIMBU PROVINCE  
SINASIN YONGGOMUGL DISTRICT POPULATION 2018  
LLIN DISTRIBUTION SUMMARY SHEET

LLG	WARD	VILLAGE	Estimated 2018 Population Based On 2000 Census	Estimated 2018 Population Based On 2012	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
<b>SINASIN \ YONGGOMUGL</b>			<b>55,511</b>	<b>58,779</b>		<b>55,142</b>	<b>11,338</b>	<b>27,318</b>		<b>210</b>	<b>206</b>	<b>121</b>	<b>0</b>	<b>2,906</b>	<b>207</b>	
<b>TABARE RURAL</b>			<b>15,467</b>	<b>16,355</b>		<b>15,389</b>	<b>3,105</b>	<b>7,591</b>		<b>65</b>	<b>64</b>	<b>0</b>	<b>0</b>	<b>304</b>	<b>65</b>	
1	BULAGESIBLE		1,612	1,665		1,687	340	839		10	10	0	0	114		
		Yobakogul	218	230	Koge HC	193	50	97	17.03.18	1	1	0	0	11	radio Chimb	Road
		Mu	93	148	Koge HC	99	16	48	17.03.18	1	1	0	0	7	radio Chimb	Road
		Nintul	104	297	Koge HC	260	50	130	17.03.18	1	1	0	0	29	radio Chimb	Road
		Kobilumugumul	231	167	Koge HC	131	28	66	17.03.18	1	1	0	0	3	radio Chimb	Road
		Mukul	150	181	Koge HC	112	20	55	17.03.18	1	1	0	0	6	radio Chimb	Road
		Kabil	207	168	Koge HC	216	46	110	17.03.18	1	1	0	0	5	radio Chimb	Road
		Kararemil	140	161	Koge HC	171	31	85	17.03.18	1	1	0	0	7	radio Chimb	Road
		Ninal	210	0	Koge HC	147	31	75	17.03.18	1	1	0	0	18	radio Chimb	Road
		Kamtai Stn	145	188	Koge HC	165	33	83	17.03.18	1	1	0	0	14	radio Chimb	Road
		Mu Luth Msn	114	126	Koge HC	193	35	90	17.03.18	1	1	0	0	14	radio Chimb	Road
2	GILMAI \ AREBIL		821	489		734	164	364		4	4	0	0	21		
		Golaigolai	204	217	Koge HC	210	44	104	17.03.18	1	1	0	0	6	radio Chimb	Road
		Kenwai	194	0	Koge HC	84	20	40	17.03.18	1	1	0	0	5	radio Chimb	Road
		Algan	187	157	Koge HC	216	50	104	17.03.18	1	1	0	0	8	radio Chimb	Road
		Korowai	235	114	Koge HC	224	50	116	17.03.18	1	1	0	0	2	radio Chimb	Road
3	MAIMA		786	677		484	115	235		6	6	0	0	1		
		Silkobile	111	106	Koge HC	70	18	34	16.03.18	1	1	0	0	0	radio Chimb	Road
		Mara	64	0	Koge HC	31	8	15	16.03.18	1	1	0	0	0	radio Chimb	Road
		Yobakama	98	163	Koge HC	40	11	19	16.03.18	1	1	0	0	0	radio Chimb	Road
		New Block	270	0	Koge HC	89	19	43	16.03.18	1	1	0	0	0	radio Chimb	Road
		Nilma	197	301	Koge HC	220	50	106	16.03.18	1	1	0	0	1	radio Chimb	Road
		Gunkua	45	106	Koge HC	34	9	18	16.03.18	1	1	0	0	0	radio Chimb	Road
4	TEMISNOWAI		549	812		588	127	291		4	4	0	0	13		
		Maidom	321	434	Koge HC	200	44	100	16.03.18	1	1	0	0	1	radio Chimb	Road
		Bolen	159	164	Koge HC	206	50	101	16.03.18	1	1	0	0	11	radio Chimb	Road
		Gunkua	20	0	Koge HC	65	13	33	16.03.18	1	1	0	0	1	radio Chimb	Road
		Tulikul	48	214	Koge HC	117	20	57	16.03.18	1	1	0	0	0	radio Chimb	Road
5	GOLAKU		716	705		570	138	284		5	5	0	0	11		
		Emimau	197	285	Koge HC	125	32	66	16.03.18	1	1	0	0	0	radio Chimb	Road
		Agelegune	222	99	Koge HC	148	30	76	16.03.18	1	1	0	0	5	radio Chimb	Road
		Manikul	63	100	Koge HC	71	16	25	16.03.18	1	1	0	0	0	radio Chimb	Road
		Gu	79	48	Koge HC	28	10	15	16.03.18	1	1	0	0	0	radio Chimb	Road
		Sil (Kage)	155	173	Koge HC	198	50	102	16.03.18	1	1	0	0	6	radio Chimb	35 mins by road and 6 hours Trek
6	KLAJ		1,698	1,251		759	181	383		7	7	0	0	1		
		Mani	372	319	Koge HC	219	44	109	16.03.18	1	1	0	0	0	radio Chimb	Road
		Bimapiau	334	142	Koge HC	207	50	105	16.03.18	1	1	0	0	0	radio Chimb	Road
		Kawali	191	216	Koge HC	93	22	47	16.03.18	1	1	0	0	0	radio Chimb	Road
		Del	223	181	Koge HC	61	14	32	16.03.18	1	1	0	0	0	radio Chimb	Road
		Nibal	315	203	Koge HC	96	27	50	16.03.18	1	1	0	0	0	radio Chimb	Road
		Brenogil	54	74	Koge HC	32	8	17	16.03.18	1	1	0	0	0	radio Chimb	Road
		Gili	207	116	Koge HC	51	16	23	16.03.18	1	1	0	0	1	radio Chimb	Road
7	MASUL 1		968	957		1,206	220	583		4	4	0	0	0		
		Masul	564	611	Koge HC	596	118	288	15.03.18	1	1	0	0	0	radio Chimb	Road
		Dinima	349	347	Koge HC	464	73	223	15.03.18	1	1	0	0	0	radio Chimb	Road
		Masul Police Stn	20	0	Koge HC	45	8	22	15.03.18	1	1	0	0	0	radio Chimb	Road
		Dinima C/S	35	0	Koge HC	101	21	50	15.03.18	1	1	0	0	0	radio Chimb	Radio Chimb
8	MASUL 2		1,368	1,532		1,141	252	564		3	3	0	0	29		
		Busrot	431	861	Koge HC	455	111	225	15.03.18	1	1	0	0	22	radio Chimb	Road
		Alenbona	397	389	Koge HC	308	55	153	15.03.18	1	1	0	0	0	radio Chimb	Road
		Sala	540	282	Koge HC	378	86	186	15.03.18	1	1	0	0	7	radio Chimb	Road
9	YALEMESI		1,041	745		612	119	306		2	2	0	0	3		
		Dumun(Kagma)	564	466	Koge HC	412	81	204	20.03.18	1	1	0	0	3	radio Chimb	Road
		Obil	477	280	Koge HC	200	38	102	20.03.18	1	1	0	0	0	radio Chimb	Road
10	YALKOMNO		1,240	1,704		1,493	300	746		5	4	0	0	53		
		Morima	143	620	Koge HC	229	41	117	20.03.18	1	1	0	0	0	radio Chimb	Road
		Oginei	291	253	Koge HC	295	50	146	20.03.18	1	1	0	0	14	radio Chimb	Road
		Saina Town	400	340	Koge HC	353	95	183	20.03.18	1	0	0	0	0	Radio Chimb	Road
		Mauro	361	208	Koge HC	541	100	262	20.03.18	1	1	0	0	39	radio Chimb	Road
		Dumun C/S	45	283	Koge HC	75	14	38	20.03.18	1	1	0	0	0	radio Chimb	Road
11	KAPMA ( GAREN )		1,216	1,508		984	199	487		3	3	0	0	0		
		Dumun Kul	508	408	Koge HC	466	99	231	20.03.18	1	1	0	0	0	radio Chimb	Road
		Bil	304	587	Koge HC	251	50	124	20.03.18	1	1	0	0	0	radio Chimb	Road
		Kuralba	404	513	Koge HC	267	50	132	20.03.18	1	1	0	0	0	radio Chimb	Road
12	KAPMA ( MAK )		1,119	1,310		1,494	279	734		5	5	0	0	27		
		Mata	432	743	Koge HC	606	100	292	18.03.18	1	1	0	0	0	radio Chimb	Road
		Whoty(Maunkui)	150	0	Koge HC	221	50	115	18.03.18	1	1	0	0	0	radio Chimb	Road
		Derem	76	143	Koge HC	187	34	90	18.03.18	1	1	0	0	0	radio Chimb	Road/ Trek 6 hours
		Gawa	289	88	Koge HC	191	50	98	18.03.18	1	1	0	0	0	radio Chimb	Road/ Trek 6 hours
		Matakul	171	335	Koge HC	289	45	139	18.03.18	1	1	0	0	27	radio Chimb	Road
13	WOMA		1,790	2,240		3,079	545	1,494		4	4	0	0	23		
		Womai	394	1,413	Koge HC	1,605	250	778	18.03.18	1	1	0	0	2	radio Chimb	Road
		Gera	410	827	Koge HC	481	100	233	18.03.18	1	1	0	0	0	radio Chimb	Road

LLG	WARD	VILLAGE	Estimated 2018 Population Based On 2000 Census	Estimated 2018 Population Based On 2012	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
		Gerakul	178	0	Koge HC	510	100	249	18.03.18	1	1	0	0	0	radio Chimb	Road
		Tunakaranas	808	0	Koge HC	483	95	234	18.03.18	1	1	0	0	21	radio Chimb	Road
14	KAUTABANDI		543	761		558	126	281		3	3	0	0	8		
		Kumokoko	114	253	Koge HC	208	50	105	14.03.18	1	1	0	0	8	radio Chimb	Road
		Besanil	218	257	Koge HC	120	26	60	14.03.18	1	1	0	0	0	radio Chimb	Road
		Pene	212	251	Koge HC	230	50	116	14.03.18	1	1	0	0	0	radio Chimb	Road
				0												
		<b>SUAI RURAL</b>	<b>19,720</b>	<b>18,091</b>		<b>17,978</b>	<b>4,019</b>	<b>8,921</b>		<b>79</b>	<b>78</b>	<b>57</b>	<b>0</b>	<b>671</b>	<b>78</b>	
1	DUGUL		974	882		1,000	224	487		4	4	4	0	23		
		Kenama	204	86	Koge HC2	200	50	100	19.03.18	1	1	1	0	0	NBC	Road
		Kugruma	371	410	Koge HC2	261	66	130	19.03.18	1	1	1	0	6	NBC	Road
		Koge	359	295	Koge HC2	441	91	208	19.03.18	1	1	1	0	17	NBC	Road
		Koge H/C	39	92	Koge HC2	98	17	49	19.03.18	1	1	1	0	0	NBC	Road
2	OGLEWAULA		653	859		771	178	384		4	4	4	0	6		
		Kogesuna	301	182	Koge HC2	203	50	101	19.03.18	1	1	1	0	0	NBC	Road
		Igai	72	170	Koge HC2	221	50	110	19.03.18	1	1	1	0	6	NBC	Road
		Paraul	209	195	Koge HC2	162	45	81	19.03.18	1	1	1	0	0	NBC	Road
		Muaina H/S	72	312	Koge HC2	185	33	92	19.03.18	1	1	1	0	0	NBC	Road
3	BOWAIKU		1,225	1,288		1,025	298	560		5	5	5	0	0		
		Perenime	656	304	Koge HC2	292	65	144	19.03.18	1	1	1	0	0	NBC	Road
		Malgana	112	162	Koge HC2	51	20	27	19.03.18	1	1	1	0	0	NBC	Road
		Peramara	137	288	Koge HC2	274	78	136	19.03.18	1	1	1	0	0	NBC	Road
		Yoba Aulabol	254	255	Koge HC2	205	50	102	19.03.18	1	1	1	0	0	NBC	Road
		Koge Cath Msn	66	280	Koge HC2	203	85	151	19.03.18	1	1	1	0	0	NBC	Road
4	DU 1		679	625		527	117	262		3	3	3	0	0		
		Du	261	245	Koge HC2	83	21	41	18.03.18	1	1	1	0	0	NBC	Road
		Aulabol	146	152	Koge HC2	249	50	124	18.03.18	1	1	1	0	0	NBC	Road
		Kilbaga	272	229	Koge HC2	195	46	97	18.03.18	1	1	1	0	0	NBC	Road
5	DU 2		924	732		609	123	306		3	3	3	0	51		
		Du Maule	267	148	Koge HC2	95	28	53	18.03.18	1	1	1	0	0	NBC	Road
		Silma	378	280	Koge HC2	285	50	139	18.03.18	1	1	1	0	18	NBC	Road
		Gilgebe	279	304	Koge HC2	229	45	114	18.03.18	1	1	1	0	33	NBC	Road
6	DU 3		429	600		417	110	211		2	2	2	0	11		
		Mondia	327	324	Koge HC2	339	83	167	18.03.18	1	1	1	0	2	NBC	Road
		Abma	102	276	Koge HC2	78	27	44	18.03.18	1	1	1	0	9	NBC	Road
7	KIRIYU \ SIPA		672	625		765	189	369		3	3	3	0	3		
		Gabakure	391	216	Koge HC2	300	77	147	17.03.18	1	1	1	0	0	NBC	Road
		Aina	215	236	Koge HC2	115	30	56	17.03.18	1	1	1	0	0	NBC	Road
		Nonua	66	173	Koge HC2	350	82	166	17.03.18	1	1	1	0	3	NBC	Road
8	ANIMU		605	665		616	146	302		3	3	3	0	17		
		Bogimilkua	216	135	Koge HC2	148	38	72	16.03.18	1	1	1	0	8	NBC	Road
		Elama	172	157	Koge HC2	219	50	108	16.03.18	1	1	1	0	9	NBC	Road
		Giu	216	373	Koge HC2	249	58	122	16.03.18	1	1	1	0	0	NBC	Road
9	KIRKU \ KORUL		1,333	1,066		1,769	366	883		6	6	6	0	6		
		Emai	308	296	Koge HC2	346	70	180	16.03.18	1	1	1	0	0	NBC	Road
		Hula	66	161	Koge HC2	466	100	233	16.03.18	1	1	1	0	1	NBC	2hrs trek
		Emau Nili	169	78	Koge HC2	187	40	93	16.03.18	1	1	1	0	0	NBC	2hrs trek
		Dorolikau		NEW	Koge HC2	134	26	65	16.03.18	1	1	1	0	3	NBC	
		Simau	461	274	Koge HC2	248	50	121	16.03.18	1	1	1	0	1	NBC	Road
		Gon	329	257	Koge HC2	388	80	191	16.03.18	1	1	1	0	1	NBC	Road
10	NINIKU		805	301		580	131	280		2	2	2	0	14		
		Maunkui	245	123	Koge HC2	207	50	100	16.03.18	1	1	1	0	6	NBC	Road
		Bognil	559	178	Koge HC2	373	81	180	16.03.18	1	1	1	0	8	NBC	Road
11	PIGA		1,265	1,212		1,575	211	753		4	4	4	0	87		
		Konoma	275	178	Koge HC2	379	25	181	16.03.18	1	1	1	0	14	NBC	Road
		Himi	431	449	Koge HC2	604	100	289	16.03.18	1	1	1	0	68	NBC	2hrs trek
		Mogmagaba	178	282	Koge HC2	275	27	132	16.03.18	1	1	1	0	2	NBC	2hrs trek
		Aregol	381	304	Koge HC2	317	59	151	16.03.18	1	1	1	0	3	NBC	2hrs trek
12	KAGLE		1,142	1,195		956	214	459		3	3	3	0	42		
		Kolagol	453	309	Koge HC2	442	100	213	16.03.18	1	1	1	0	20	NBC	Road
		Ninemul (Niglmol)	279	338	Koge HC2	339	75	162	16.03.18	1	1	1	0	16	NBC	Road
		Kimbre/WSimbu)	410	548	Koge HC2	175	39	84	16.03.18	1	1	1	0	6	NBC	Road
13	DIGAKANE		543	387		387	74	187		3	2	2	0	7		
		Minkauli	296	97	Koge HC2	117	24	58	15.03.18	1	1	1	0	0	NBC	Road
		New Camp	51	157	Koge HC2	270	50	129	15.03.18	1	1	1	0	7	NBC	Road
		Megin	196	133	Koge HC2					1						Same as New Camp
14	KUMANEKANE		1,596	488		440	103	245		3	3	3	0	14		
		Kagul	286	170	Koge HC2	195	50	112	15.03.18	1	1	1	0	10	NBC	Road
		Kinyure	477	76	Koge HC2	9	3	6	15.03.18	1	1	1	0	0	NBC	Road
		Gumepebai	832	242	Koge HC2	236	50	127	15.03.18	1	1	1	0	4	NBC	Road
15	AU \ EREKANE		371	400		366	85	178		2	2	2	0	11		
		Kopkul	153	281	Koge HC2	175	35	85	15.03.18	1	1	1	0	6	NBC	Road
		Kinyure	218	119	Koge HC2	191	50	93	15.03.18	1	1	1	0	5	NBC	Road
16	KAGUGL		2,277	1,220		1,077	270	525		6	6	5	0	53		
		Kwima	107	180	Sigma SHC	174	43	89	12.03.18	1	1	0	0	17	NBC	Road
		Yobamorua	410	136	Koge HC2	113	27	54	14.03.18	1	1	1	0	3	NBC	Road
		Miril	181	127	Sigma SHC	206	50	105	12.03.18	1	1	1	0	14	NBC	Road
		Bema	440	229	Koge HC2	110	29	50	14.03.18	1	1	1	0	3	NBC	Road
		Huben	171	394	Koge HC2	300	81	143	14.03.18	1	1	1	0	11	NBC	Road
		Nebare	968	154	Koge HC2	174	40	84	14.03.18	1	1	1	0	5	NBC	Road
17	YORUAKU		555	505		544	125	267		2	2	0	0	65		
		Segima	340	288	Sigma SHC	427	93	209	12.03.18	1	1	0	0	65	NBC	Road

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		Onimogma/Aiba	215	217	Sigma SHC	117	32	58	12.03.18	1	1	0	0	0	NBC	Road
18	SEGIMA		536	454		466	124	231		2	2	0	0	15		
		Aiba-Aiwa	321	278	Sigma SHC	323	91	161	12.03.18	1	1	0	0	8	NBC	Road
		Gii	215	177	Sigma SHC	143	33	70	12.03.18	1	1	0	0	7	NBC	Road
19	KUIAM		778	955		854	201	428		3	3	0	0	98		
		Dire	197	135	Sigma SHC	228	50	113	12.03.18	1	1	0	0	20	NBC	Road
		Bilgine	340	376	Sigma SHC	309	80	158	12.03.18	1	1	0	0	78	NBC	Road
		Segima	241	444	Sigma SHC	317	71	157	12.03.18	1	1	0	0	0	NBC	Road
20	MARIBE	BI - KIU	971	914		794	195	403		4	4	0	0	38		
		Dire	175	208	Sigma SHC	275	69	145	11.03.18	1	1	0	0	34	NBC	Road
		Gabakinin	311	250	Sigma SHC	162	36	78	11.03.18	1	1	0	0	0	NBC	Road
		Igidi	469	410	Sigma SHC	305	80	152	11.03.18	1	1	0	0	1	NBC	Road
		Segima (sub-h/C)	16	45	Sigma SHC	52	10	28	11.03.18	1	1	0	0	3	NBC	Road
21	KEBIL 1		288	472		428	97	215		3	3	0	0	25		
		Kebil	88	232	Sigma SHC	214	50	109	11.03.18	1	1	0	0	5	NBC	Road
		Mogoma	200	88	Sigma SHC	85	20	41	11.03.18	1	1	0	0	9	NBC	Road
		Obi		152	Sigma SHC	129	27	65	11.03.18	1	1	0	0	11	NBC	Road
22	KEBIL 2		691	1,483		1,133	240	557		6	6	2	0	49		
		Guguruma	89	186	Sigma SHC	276	50	132	11.03.18	1	1	0	0	25	NBC	Road
		Goma	232	227	Sigma SHC	197	46	99	11.03.18	1	1	0	0	7	NBC	Road
		Daun Base	197	386	Sigma SHC	374	82	184	11.03.18	1	1	0	0	12	NBC	Road/1Hour 30Mins
		Yobaplawa	79	259	Sigma SHC	111	23	53	11.03.18	1	1	1	0	3	NBC	Road/Trek 1Day
		Kia	28	195	Sigma SHC	89	18	46	11.03.18	1	1	0	0	1	NBC	Road/Trek 1Day
		Emigui	66	230	Sigma SHC	86	21	43	11.03.18	1	1	1	0	1	NBC	Road/Trek 1Day
23	KAEPAI		410	760		879	198	429		3	3	1	0	36		
		Ubanidiawa	139	228	Sigma SHC	237	50	116	11.03.18	1	1	1	0	8	NBC	Road/Trek 1Day
		Kage	149	279	Sigma SHC	343	81	169	11.03.18	1	1	0	0	17	NBC	Road/Trek 1Day
		Las Kage	123	254	Sigma SHC	299	67	144	11.03.18	1	1	0	0	11	NBC	Road/Trek 1Day
				0												
<b>YONGOMUGLE RURAL</b>			<b>20,324</b>	<b>24,333</b>		<b>21,775</b>	<b>4,214</b>	<b>10,806</b>		<b>66</b>	<b>64</b>	<b>64</b>	<b>0</b>	<b>1,931</b>	<b>64</b>	
1	MOGL		2,913	3,725		3,729	638	1,835		11	11	11	0	250		
		Mogl	295	524	PHO	653	100	324	15.03.18	1	1	1	0	68	M, Radio Li	Road
		Umbanemambuno	356	445	PHO	348	50	172	15.03.18	1	1	1	0	13	M, Radio Li	Road/Trek
		Gagmamambuno	200	272	PHO	502	100	248	15.03.18	1	1	1	0	35	M, Radio Li	Road/Trek
		Kurumbamambuno	234	265	PHO	296	50	145	15.03.18	1	1	1	0	21	M, Radio Li	Road/Trek
		Bagle	277	213	PHO	186	26	91	15.03.18	1	1	1	0	14	M, Radio Li	Road
		Andekoursunga	202	251	PHO	259	50	133	15.03.18	1	1	1	0	7	M, Radio Li	Road/Trek
		Mundumembi	288	413	PHO	246	50	123	15.03.18	1	1	1	0	0	M, Radio Li	Road
		Barme Koa	587	580	PHO	129	21	58	15.03.18	1	1	1	0	19	M, Radio Li	Road
		Kauglan	434	597	PHO	581	100	282	15.03.18	1	1	1	0	38	M, Radio Li	Road(Under ward 11)
		Mogl Community School	41	163	PHO	95	13	48	15.03.18	1	1	1	0	12	M, Radio Li	Road
		Molg - Gerex		NEW	PHO	434	78	211	15.03.18	1	1	1	0	23	M, Radio Li	Road/New Village
2	KAGAI		2,554	2,710		3,149	627	1,564		6	5	5	0	311		
		Kagai-Koglo	397	531	PHO	1,124	207	552	15.03.18	1	1	1	0	96	M, Radio Li	Road
		Kagai-Kanma	520	581	PHO	619	120	305	15.03.18	1	1	1	0	41	M, Radio Li	Road
		Kundar/Kagikugo	613	958	PHO	501	100	255	15.03.18	1	1	1	0	39	M, Radio Li	Road
		Kogomaugo	260	276	PHO	496	100	244	15.03.18	1	1	1	0	90	M, Radio Li	Road
		Sungal	448	258	PHO	409	100	208	15.03.18	1	1	1	0	45	M, Radio Li	Road/Trek
		Medai Gogi	315	104	PHO					1						Included under Sungal
3	GURUMA 1		2,652	2,216		1,556	283	764		4	4	4	0	122		
		Guruma	723	723	Mai HC	466	84	230	16.03.18	1	1	1	0	43	M, Radio Li	Road
		Konopa	423	374	Mai HC	210	49	104	16.03.18	1	1	1	0	20	M, Radio Li	Road/Trek
		Gawagle	802	557	Mai HC	378	50	184	16.03.18	1	1	1	0	30	M, Radio Li	Road
		Bogogewa	704	562	Mai HC	502	100	246	16.03.18	1	1	1	0	29	M, Radio Li	Road
4	GURUMA 2		743	1,486		1,236	234	661		3	3	3	0	145		
		Kanigkwa	365	868	Mai HC	730	138	361	16.03.18	1	1	1	0	81	M, Radio Li	Road
		Bugapu	378	619	Mai HC	140	31	78	16.03.18	1	1	1	0	30	M, Radio Li	Road
		Minwagle		NEW	Mai HC	366	65	222	16.03.18	1	1	1	0	34	M, Radio Li	New Village
5	MUASUGO		1,140	1,308		1,205	255	589		5	5	5	0	165		
		Muasugo	467	553	Mai HC	286	62	138	16.03.18	1	1	1	0	56	M, Radio Li	Road
		Diawo	231	288	Mai HC	202	49	101	16.03.18	1	1	1	0	26	M, Radio Li	Road/Trek
		Yokondwak	239	216	Mai HC	85	18	41	16.03.18	1	1	1	0	10	M, Radio Li	Road
		Kokongigi	203	251	Mai HC	372	81	182	16.03.18	1	1	1	0	28	M, Radio Li	Road
		Minwagle		NEW	Mai HC	260	45	127	16.03.18	1	1	1	0	45	M, Radio Li	Road
6	MAI		3,145	3,974		2,806	666	1,412		11	11	11	0	302		
		Mai	559	640	Mai HC	441	100	230	16.03.18	1	1	1	0	4	M, Radio Li	Road
		Mikrima/Tokma	588	692	Mai HC	492	126	235	16.03.18	1	1	1	0	41	M, Radio Li	Road/Trek
		Situga	258	322	Mai HC	198	50	100	16.03.18	1	1	1	0	39	M, Radio Li	Road/Trek
		Mai C/sch & H/C	15	138	Mai HC	96	21	60	16.03.18	1	1	1	0	14	M, Radio Li	Road
		Terebona	461	591	Mai HC	373	100	170	16.03.18	1	1	1	0	51	M, Radio Li	Road
		Gandipodi	153	369	Mai HC	194	46	93	16.03.18	1	1	1	0	32	M, Radio Li	Road
		Kerangumul	594	630	Mai HC	247	52	118	16.03.18	1	1	1	0	12	M, Radio Li	Road/Trek
		Ongogolomambuno	204	214	Mai HC	134	31	70	16.03.18	1	1	1	0	29	M, Radio Li	Road
		Gor	311	377	Mai HC	213	44	104	16.03.18	1	1	1	0	37	M, Radio Li	Road/Trek
		Duau		NEW	Mai HC	197	50	123	16.03.18	1	1	1	0	1	M, Radio Li	Road/Trek (New Village)
		Bibaglang		NEW	Mai HC	221	46	109	16.03.18	1	1	1	0	42	M, Radio Light	
7	NIGLGUMA 1		618	821		926	184	464		5	5	5	0	10		
		Ombunakru	172	262	Niglguma HC	264	50	132	16.03.18	1	1	1	0	0	M, Radio Li	Road
		Gogo	196	270	Niglguma HC	78	17	37	16.03.18	1	1	1	0	0	M, Radio Li	Road
		Nilguma	250	290	Niglguma HC	83	19	43	16.03.18	1	1	1	0	3	M, Radio Li	Road
		Kangolwale		NEW	Niglguma HC	290	64	140	16.03.18	1	1	1	0	0	M, Radio Li	Road(New Village)

LLG	WARD	VILLAGE	Estimated 2018 Population Based On 2000 Census	Estimated 2018 Population Based On 2012	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digical	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
		<b>Koriro</b>		NEW	Niglguma HC	211	34	112	17.03.18	1	1	1	0	7	M, Radio Li	Road/Trek(5hrs) New Village)
8	NIGLGUMA 2		<b>1,059</b>	<b>913</b>		<b>792</b>	<b>139</b>	<b>395</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>6</b>		
		Kalumnige	181	154	Niglguma HC	163	26	77	16.03.18	1	1	1	0	3	M, Radio Li	Road
		Buangiur	223	266	Niglguma HC	162	26	83	16.03.18	1	1	1	0	2	M, Radio Li	Road/Trek(2hrs)
		Obongi	320	336	Niglguma HC	295	59	153	16.03.18	1	1	1	0	0	M, Radio Li	Road
		Duapene	334	156	Niglguma HC	172	28	82	16.03.18	1	1	1	0	1	M, Radio Li	Road/Trek(2hrs)
9	NIGLGUMA 3		<b>1,060</b>	<b>1,176</b>		<b>1,104</b>	<b>217</b>	<b>559</b>		<b>6</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>33</b>		
		Kumuru	228	184	Niglguma HC	94	19	44	16.03.18	1	1	1	0	3	M, Radio Li	Road/Trek(2hrs)
		Kilemabuno	134	169	Niglguma HC	322	59	160	16.03.18	1	1	1	0	4	M, Radio Li	Road
		Dumuna	299	493	Niglguma HC	151	31	79	16.03.18	1	1	1	0	5	M, Radio Li	Road
		Parua	393	204	Niglguma HC	242	49	126	16.03.18	1	1	1	0	0	M, Radio Li	Road
		Parua Community School	6	127	Niglguma HC	214	41	107	16.03.18	1	1	1	0	21	M, Radio Li	Road
		<b>Muroi</b>		NEW	Niglguma HC	81	18	43	16.03.18	1	1	1	0	0	M, Radio Li	Road (New Village)
10	KU 1		<b>2,333</b>	<b>3,550</b>		<b>2,153</b>	<b>413</b>	<b>1,043</b>		<b>5</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>273</b>		
		Dumai	542	648	PHO	594	113	286	17.03.18	1	1	1	0	65	M, Radio Li	Road
		Papnil	292	657	PHO	561	100	272	17.03.18	1	1	1	0	50	M, Radio Li	Road
		Gogomande	374	677	PHO	187	50	91	17.03.18	1	1	1	0	13	M, Radio Li	Road
		Numunma	587	654	PHO	287	50	140	17.03.18	1	1	1	0	49	M, Radio Li	Road
		Kimbire	539	914	PHO	524	100	254	17.03.18	1	1	1	0	96	M, Radio Li	Road
11	KU 2		<b>2,106</b>	<b>2,454</b>		<b>3,119</b>	<b>558</b>	<b>1,520</b>		<b>6</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>314</b>		
		Ku	317	518	PHO	1,471	258	709	17.03.18	1	1	1	0	124	M, Radio Li	Road
		Perumyaundo	333	569	PHO	487	86	226	17.03.18	1	1	1	0	47	M, Radio Li	Road/Trek
		Duglmande	688	0	PHO					1						Included under Ku
		Kalwile	302	518	PHO	240	49	122	17.03.18	1	1	1	0	29	M, Radio Li	Road
		Okaimaul	407	443	PHO	814	150	409	17.03.18	1	1	1	0	113	M, Radio Li	Road
		Ku Primary School	58	407	PHO	107	15	54	17.03.18	1	1	1	0	1	M, Radio Li	Road

ANNEX FIVE

CHIMBU PROVINCE  
KUNDIAWA GEMBOGL POPULATION 2018  
LLIN DISTRIBUTION SUMMARY SHEET

LLG	WARD	VILLAGE	Estimated 2018 Population Based On 2000 Census	Estimated 2018 Population Based On 2012	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
<b>KUNDIAWA \ GEMBOGL</b>			<b>78,422</b>	<b>83,582</b>		<b>66,872</b>	<b>11,730</b>	<b>32,210</b>		<b>175</b>	<b>157</b>	<b>69</b>	<b>32</b>	<b>3,918</b>	<b>159</b>	
<b>KUNDIAWA URBAN</b>			<b>10,849</b>	<b>20,526</b>		<b>24,050</b>	<b>3,688</b>	<b>11,537</b>		<b>39</b>	<b>32</b>	<b>32</b>	<b>32</b>	<b>1,991</b>	<b>32</b>	
		KUNDIAWA URBAN	10,849	20,526		24,050	3,688	11,537		39	32	32	32	1,991		
		Wara Simbu S'ment	462	752	PHO	1,013	155	491	14.02.18	1	1	1	1	86	Fm/Am	Road
		Wara Simbu / Yuwai Mobli Ser	248	0	PHO	348	50	167	21.02.18	1	1	1	1	11	Fm/Am	Road
		Old Hospital - Market	390	1,422	PHO	572	110	275	22.02.18	1	1	1	1	98	Fm/Am	Road
		Gumine Road	286	565	PHO											Non Existant
		Town/Hospital	612	609	PHO					1						Included under Hospital Gate
		Malaria Crest	416	864	PHO	396	67	190	21.02.18	1	1	1	1	66	Fm/Am	Road
		Gon Hill - Water Board	523	1,107	PHO	488	67	234	21.02.18	1	1	1	1	25	Fm/Am	Road
		Gon Hill Baptist Church	504	1,086	PHO	359	62	169	23.02.18	1	1	1	1	58	Fm/Am	Road
		Papua Street	274	1,055	PHO	1,896	270	913	22.02.18	1	1	1	1	128	Fm/Am	Road
		Luth. Mission Day High School	581	599	PHO	1,090	180	530	18.02.18	1	1	1	1	162	Fm/Am	Road
		Gon Community School	362	676	PHO	274	44	131	23.02.18	1	1	1	1	37	Fm/Am	Road
		Wara Simbu Coffee Factory	199	496	PHO					1						Included under River side
		Dolan Crest- Gon	543	924	PHO											Non Existant
		Papua Street	378	980	PHO											Double Entry
		Airstrip Edge	266	711	PHO	880	160	420	18.02.18	1	1	1	1	28	Fm/Am	Road
		Preukwa Community School	157	416	PHO	1,020	142	490	19.02.18	1	1	1	1	127	Fm/Am	Road
		Dpi - Forestry	596	1,027	PHO	634	94	305	19.02.18	1	1	1	1	43	Fm/Am	Road
		Barclay Hill	353	0	PHO	323	43	155	22.02.18	1	1	1	1	9	Fm/Am	Road
		Gon - Simbu Coffee Factory	624	885	PHO	468	85	225	23.02.18	1	1	1	1	15	Fm/Am	Road
		Gon Hill Settlement	275	631	PHO	1,633	269	781	23.02.18	1	1	1	1	125	Fm/Am	Road
		Gumine/Goroka Block	256	663	PHO	604	87	284	22.02.18	1	1	1	1	70	Fm/Am	Road
		Mirane Settlement	510	1,024	PHO	454	67	218	21.02.18	1	1	1	1	67	Fm/Am	Road
		Wara Simbu Coffee S'ment	224	285	PHO	931	142	445	19.02.18	1	1	1	1	106	Fm/Am	Road
		Yuwai - Swiss Mission	322	664	PHO	2,024	300	967	19.02.18	1	1	1	1	190	Fm/Am	Road
		Gon/Dogar Settlement	416	437	PHO					1						Included under Gon Hill Settlement
		Gon/Market Settlement	373	575	PHO					1						Included under Gon Hill Settlement
		Lepers/Sewerage S'ment	251	234	PHO	143	28	69	21.02.18	1	1	1	1	26	Fm/Am	Road
		Mirane Settlement	268	315	PHO					1						Included under Police Barracks.
		Gon Settlement	181	104	PHO					1						Included under Gon Hill Settlement
		Gewa		278	PHO	1,011	197	489	16.02.18	1	1	1	1	99	Fm/Am	Road
		Wara Simbu - Paragon		340	PHO	402	68	195	18.02.18	1	1	1	1	62	Fm/Am	Road
		Hap - Wara		614	PHO	1,019	150	489	21.02.18	1	1	1	1	60	Fm/Am	Road
		Court House		186	PHO					1						Included under Old Hospital Market
		Hospital Gate		New	PHO	1,202	175	577	18.02.18	1	1	1	1	2	Fm/Am	Road
		Haques		New	PHO	477	34	229	18.02.18	1	1	1	1	20	Fm/Am	Road
		Premier Hill		New	PHO	315	45	151	20.02.18	1	1	1	1	12	Fm/Am	Road
		Back Street		New	PHO	1,312	195	630	20.02.18	1	1	1	1	112	Fm/Am	Road
		Yellow Corner		New	PHO	641	93	300	17.02.18	1	1	1	1	0	Fm/Am	Road
		White Corner		New	PHO	602	100	290	17.02.18	1	1	1	1	41	Fm/Am	Road
		Malaria-Ware House		New	PHO	563	83	272	21.02.18	1	1	1	1	76	Fm/Am	Road
		Best Buy		New	PHO	473	53	227	23.02.18	1	1	1	1	11	Fm/Am	Road
		Nursing Quarters		New	PHO	483	73	229	20.02.18	1	1	1	1	19	Fm/Am	Road
<b>MITNANDE RURAL</b>			<b>20,288</b>	<b>18,362</b>												
1		MAGLAUK \ WANDIGLE	2,689	2,326												
		Bomkane	309	228	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Niglguma/Yandena	408	387	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Gove/Keatangle	271	234	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kegesuglo/Kegla	539	514	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Waimambuno/Augl	518	383	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Southdaka	263	113	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kenyaundo/Aglsingend	248	212	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Denglagu C/Msn	51	120	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Mt Wihelm H/S	82	134	Gembogl HC	NO LLIN DISTRIBUTION										Road
2		MAGLAUK \ KOMKANE 1	1,089	728												
		Puglangil	491	459	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kakagl 1	178	0	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Goro	267	105	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Aglmugl	153	164	Gembogl HC	NO LLIN DISTRIBUTION										Road
3		MAGLAUK \ KOMKANE 2	864	1,201												
		Auglanige	329	316	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Algmugl	227	272	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Goro	180	232	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kakagl 2	129	381	Gembogl HC	NO LLIN DISTRIBUTION										Road
4		MAGLAUK \ DEGLAKU 1	1,130	1,259												
		Kangri/Bandambuno	267	194	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Mebagl	103	96	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kangj Dust	180	172	Gembogl HC	NO LLIN DISTRIBUTION										Road

LLG	WARD	VILLAGE	Estimated 2018 Population Based On 2000 Census	Estimated 2018 Population Based On 2012	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
		Banda	134	255	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Morowau	445	541	Gembogl HC	NO LLIN DISTRIBUTION										Road
5	MAGKLAUK		1,067	1,680												
		Mondia Bris	429	836	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Irugl	286	468	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Ganbugl	351	376	Gembogl HC	NO LLIN DISTRIBUTION										Road
6	MAGLAUK \ DENGLAKU 2		1,378	1,251												
		Enegremabuno	409	309	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Waimambuno/Gogor	254	211	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Dinipene	287	250	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Tauiadumo	268	288	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Almugl(Miuk)	38	57	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Irkugl	122	136	Gembogl HC	NO LLIN DISTRIBUTION										Road
7	INAUGL 1		737	696												
		Gondomakane	217	102	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Wirwir	83	206	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Garmauglo	321	197	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Algmugl	115	190	Gembogl HC	NO LLIN DISTRIBUTION										Road
8	INAUGL 2		851	730												
		Grunigle/Gagamstnigle	279	154	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Boplai	157	164	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Minmuglo	268	188	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Gembogl Stn	146	223	Gembogl HC	NO LLIN DISTRIBUTION										Road
9	INAUGL 3		915	760												
		Mangamile	113	120	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Pompomeri	305	244	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Ginkane	181	186	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Manginaugl	305	160	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Pompomeri School	12	51	Gembogl HC	NO LLIN DISTRIBUTION										Road
10	INAUGL \ KUNAUKU		1,033	1,075												
		Danbagl	303	256	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Sitnigle/Kunaiku	182	290	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Amage	428	270	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Engerel	119	259	Gembogl HC	NO LLIN DISTRIBUTION										Road
11	INAUGL 4		1,309	577												
		Yokondmambuno	321	288	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Dimbamugl	169	71	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Engerel (Gumbulkane)	337	12	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Danbagl	185	0	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Sitnigle	216	205	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Dimainigle	82	0	Gembogl HC	NO LLIN DISTRIBUTION										Road
12	KUGLKANE 1		1,670	935												
		Kair	623	330	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Nukaul	203	177	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Galmage	845	428	Gembogl HC	NO LLIN DISTRIBUTION										Road
13	KUGLKANE 2		1,672	1,400												
		Bongugl Mitna	518	290	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Bongugl Yokbo	1,154	1,110	Gembogl HC	NO LLIN DISTRIBUTION										Road
14	KUGLKANE 3		796	1,040												
		Kurumugl	144	123	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Sumburu	56	246	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Siongo	51	257	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Suglamambuno	201	227	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Nuglaug 1	240	187	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Sumburu L/Msn	103	0	Gembogl HC	NO LLIN DISTRIBUTION										Road
15	KUGLKANE 4		1,427	929												
		Diagke	569	390	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kurumugl	427	208	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Nuglaug 2	322	154	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kumunobaka	110	177	Gembogl HC	NO LLIN DISTRIBUTION										Road
16	KUGLKANE 5		738	813												
		Bendam	145	239	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Womsikenem	160	222	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Niglimbun	232	191	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Womatne	201	161	Gembogl HC	NO LLIN DISTRIBUTION										Road
17	KUGLKANE 6		924	964												
		Kamamambuno	237	164	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Gandigl/Uke	123	219	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Peroglo	97	66	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Mekenda/Keregle	68	94	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Yogo	241	263	Gembogl HC	NO LLIN DISTRIBUTION										Road
		Kokunmabuno	157	159	Gembogl HC	NO LLIN DISTRIBUTION										Road
			16,326	14,948		12,184	2,453	6,148		57	55	0	0	0	55	
1	KEWANDEIKU \ MAINAGLE		978	922		1,114	204	549		4	4	0	0	0		
		Mainake 1	168	33	Goglime HC	250	50	124	12.02.18	1	1	0	0	0	adio Kindiav	Road
		Armbapene	168	177	Goglime HC	237	43	116	12.02.18	1	1	0	0	0	adio Kindiav	Road
		Nokuma Buno 1	468	557	Goglime HC	256	45	125	12.02.18	1	1	0	0	0	adio Kindiav	Road
		Gugulme	174	155	Goglime HC	371	66	184	12.02.18	1	1	0	0	0	adio Kindiav	Road
2	GIRAITAMBAGLE \ ANGA		728	1,007		481	106	247		4	4	0	0	0		
		Anganere	182	225	Goglime HC	134	26	66	12.02.18	1	1	0	0	0	adio Kundia	Road

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		Dimbinuno	233	237	Goglme HC	161	33	83	12.02.18	1	1	0	0	0	adio Kundi	Road
		Numbu 1	117	207	Goglme HC	88	23	46	12.02.18	1	1	0	0	0	adio Kundi	Road
		Yalbanedang	98	250	Goglme HC											Non Existant
		Kombripene	98	87	Goglme HC	98	24	52	13.02.18	1	1	0	0	0	adio Kundi	Road
3	GIRAI TAMAGLE		2,273	548		494	94	249		1	1	0	0	0		
		Gere	665	548	Goglme HC	494	94	249	13.02.18	1	1	0	0	0	adio Kundi	Road
4	NUNUIOMANE 1		1,087	750		965	197	467		6	6	0	0	0		
		Gaglmabuno	113	164	Goglme HC	101	20	49	12.02.18	1	1	0	0	0	adio Kundi	Road
		Gandekoglkuna 1	415	244	Goglme HC	287	64	142	12.02.18	1	1	0	0	0	adio Kundi	Road
		Koguno	205	0	Goglme HC	143	26	64	12.02.18	1	1	0	0	0	adio Kundi	Road
		Maumabuno	115	236	Goglme HC	174	33	83	12.02.18	1	1	0	0	0	adio Kundi	Road
		Numbu 2	209	106	Goglme HC	202	45	103	12.02.18	1	1	0	0	0	adio Kundi	Road
		Gaglmamambuno Community s	30	0	Goglme HC	58	9	26	12.02.18	1	1	0	0	0	adio Kundi	Road
5	NUNUIOMANE 2		1,402	518		483	115	253		4	3	0	0	0		
		Gandekoglkuna 2	444	62	Goglme HC					1						Included under Gardenkoglkuna 1
		Kambiange	331	109	Goglme HC	161	43	86	12.02.18	1	1	0	0	0	adio Kundi	Road
		Niglguma	433	164	Goglme HC	171	41	89	12.02.18	1	1	0	0	0	adio Kundi	Road
		Kerefun	193	182	Goglme HC	151	31	78	12.02.18	1	1	0	0	0	adio Kundi	Road
6	KEWANDEKU \ DUGPAGL		1,050	1,848		1,398	268	718		6	6	0	0	0		
		Dugl Pagl	474	667	Goglme HC	303	66	164	14.02.18	1	1	0	0	0	adio Kundi	Road
		Goglme 1	72	181	Goglme HC	321	52	157	14.02.18	1	1	0	0	0	adio Kundi	Road
		Goglme 2	75	231	Goglme HC	179	37	95	14.02.18	1	1	0	0	0	adio Kundi	Road
		Kombulomongo	158	295	Goglme HC	250	47	128	14.02.18	1	1	0	0	0	adio Kundi	Road
		Megerel	254	387	Goglme HC	252	50	128	14.02.18	1	1	0	0	0	adio Kundi	Road
		Goglme C/Mission	17	86	Goglme HC	93	16	46	14.02.18	1	1	0	0	0	adio Kundi	Road
7	KENGAGLKU \ KALAKU 1		1,091	1,085		712	149	357		3	3	0	0	0		
		Numbu	480	522	Goglme HC	276	64	140	12.02.18	1	1	0	0	0	adio Kundi	Road
		Gondamakane	590	541	Goglme HC	360	67	179	12.02.18	1	1	0	0	0	adio Kundi	Road
		Kangir Community School	20	22	Goglme HC	76	18	38	12.02.18	1	1	0	0	0	adio Kundi	Road
8	KENGAGLKU \ KALAKU 2		1,994	1,302		1,021	213	520		3	3	0	0	0		
		Kangir 1	1,378	822	Goglme HC	506	117	258	12.02.18	1	1	0	0	0	adio Kundi	Road
		Genai	610	455	Goglme HC	484	90	248	12.02.18	1	1	0	0	0	adio Kundi	Road
		Kangir H/C	5	24	Goglme HC	31	6	14	12.02.18	1	1	0	0	0	adio Kundi	Road
9	KOMBRIE 2		1,151	1,227		1,032	183	520		5	5	0	0	0		
		Baringil 1	382	349	Goglme HC	389	50	195	13.02.18	1	1	0	0	0	adio Kundi	Road
		Inbo	514	256	Goglme HC	235	49	117	14.02.18	1	1	0	0	0	adio Kundi	Road
		Mainake 2	203	179	Goglme HC	168	33	84	12.02.18	1	1	0	0	0	adio Kundi	Road
		Binga Kombuglo	40	237	Goglme HC	104	24	56	13.02.18	1	1	0	0	0	adio Kundi	Road
		Baringil C/sch & A/P	12	206	Goglme HC	136	27	68	13.02.18	1	1	0	0	0	adio Kundi	Road
10	GANDENKORAGLKU		1,469	1,724		1,306	259	662		7	7	0	0	0		
		Yomba/Koglai	235	265	Goglme HC	352	58	177	13.02.18	1	1	0	0	0	adio Kundi	Road
		Minga	236	231	Goglme HC	101	25	54	14.02.18	1	1	0	0	0	adio Kundi	Road
		Gande	248	266	Goglme HC	198	36	101	14.02.18	1	1	0	0	0	adio Kundi	Road
		Goan	270	273	Goglme HC	254	50	126	14.02.18	1	1	0	0	0	adio Kundi	Road
		Kuyame	118	189	Goglme HC	130	30	68	14.02.18	1	1	0	0	0	adio Kundi	Road
		Gunakombuglo	254	220	Goglme HC	193	43	96	14.02.18	1	1	0	0	0	adio Kundi	Road
		Makankor	109	280	Goglme HC	78	17	40	14.02.18	1	1	0	0	0	adio Kundi	Road
11	KOROMBA BARENGIGL		1,562	1,991		1,015	201	497		6	5	0	0	0		
		Simbange	271	575	Goglme HC	319	68	158	13.02.18	1	1	0	0	0	adio Kundi	Road (Missing book)
		Gewa	211	329	Goglme HC					1						Included under Kimbriel
		Waidorka	149	232	Goglme HC	200	44	98	13.02.18	1	1	0	0	0	adio Kundi	Road
		Inga	314	178	Goglme HC	102	23	52	13.02.18	1	1	0	0	0	adio Kundi	Road
		Barengil 2	306	358	Goglme HC	314	50	151	13.02.18	1	1	0	0	0	adio Kundi	Road
		Gawaglike	311	319	Goglme HC	80	16	38	13.02.18	1	1	0	0	0	adio Kundi	Road (Missing book)
12	KENGAGLKU \ KRUGLKU		876	851		992	185	492		3	3	0	0	0		
		Ku	303	273	Goglme HC	294	43	146	13.02.18	1	1	0	0	0	adio Kundi	Road
		Mandime	417	273	Goglme HC	489	92	240	13.02.18	1	1	0	0	0	adio Kundi	Road
		Kimbrel	156	305	Goglme HC	209	50	106	13.02.18	1	1	0	0	0	adio Kundi	Road
13	GIRAI TAMBAGLE		665	1,176		1,171	279	617		5	5	0	0	0		
		Kalengu	771	402	Goglme HC	214	71	128	11.02.18	1	1	0	0	0	adio Kundi	Road
		Bona	443	148	Goglme HC	229	54	120	11.02.18	1	1	0	0	0	adio Kundi	Road
		Angral	305	119	Goglme HC	315	86	164	11.02.18	1	1	0	0	0	adio Kundi	Road
		Indaunmuno	550	370	Goglme HC	198	26	94	11.02.18	1	1	0	0	0	adio Kundi	Road
		Double Bris	204	136	Goglme HC	215	42	111	11.02.18	1	1	0	0	0	adio Kundi	Road
				0												
WAIYE			30,959	29,745		30,638	5,589	14,525	0	79	70	37	0	1,927	72	
1	KUPAU		4,394	1,539		1,698	363	824		5	4	0	0	248		
		Kupau	1,091	401	Pari HC	461	86	222	13.03.18	1	1	0	0	81	NBC & FM	Road
		Ombondo	711	401	Pari HC	375	79	182	13.03.18	1	1	0	0	62	NBC & FM	Road
		Urr	920	319	Pari HC	528	100	253	13.03.18	1	1	0	0	44	NBC & FM	Road
		Gandua	813	353	Pari HC	334	98	167	13.03.18	1	1	0	0	61	NBC & FM	Road
		Kupau Community School	859	65	Pari HC					1						Included under Kupau
2	PARI		2,469	2,259		760	150	366		7	3	0	0	89		
		Pari	232	315	Pari HC	194	44	93	13.03.18	1	1	0	0	16	NBC & FM	Road
		Sitn	295	188	Pari HC	273	56	131	13.03.18	1	1	0	0	35	NBC & FM	Road
		Gambagogl	205	306	Pari HC	293	50	142	13.03.18	1	1	0	0	38	NBC & FM	Road
		Niglgoglsugua	223	238	Pari HC					1						Included under PHO
		Yuai S'mnt	774	585	Pari HC					1						Included under PHO
		Gakruakama	313	184	Pari HC					1						Included under PHO
		Kwimbawa	295	188	Pari HC					1						Included under PHO

LLG	WARD	VILLAGE	Estimated 2018 Population Based On 2000 Census	Estimated 2018 Population Based On 2012	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Citifon	Houses With Radios	Radio Networks	Comment
		Urr/Sitn	131	256	Pari HC											Double Name
3	KURUMUGL		1,207	1,012		1,219	307	605		5	4	0	0	265		
		Wagl/Womande	351	496	Pari HC	620	157	309	13.03.18	1	1	0	0	128	NBC & FM	Road
		Kurumugl	378	119	Pari HC	139	50	73	13.03.18	1	1	0	0	37	NBC & FM	Road
		Singar	211	254	Pari HC	261	50	125	13.03.18	1	1	0	0	50	NBC & FM	Road
		Agle	237	66	Pari HC	199	50	98	13.03.18	1	1	0	0	50	NBC & FM	Road
		Agle Community School	30	77	Pari HC					1						Included under Agle
4	NOGOMA		1,371	1,134		972	123	469		3	3	0	0	91		
		Tambagle	470	271	Pari HC	200	49	98	14.03.18	1	1	0	0	31	NBC & FM	Road
		Gere	212	276	Pari HC	185	38	89	14.03.18	1	1	0	0	25	NBC & FM	Road
		Mongoma	690	587	Pari HC	587	36	282	14.03.18	1	1	0	0	35	NBC & FM	Road
5	KOGLAI		949	1,022		1,075	244	521		4	4	0	0	188		
		Koglai	676	407	Pari HC	416	100	205	13.03.18	1	1	0	0	86	NBC & FM	Road
		Yombayaundo	105	227	Pari HC	219	50	104	13.03.18	1	1	0	0	33	NBC & FM	Road
		Baglkagl	150	169	Pari HC	243	50	117	13.03.18	1	1	0	0	28	NBC & FM	Road
		Koglai A/P	17	220	Pari HC	197	44	95	13.03.18	1	1	0	0	41	NBC & FM	Road
6	ANIGL		3,535	3,598		5,220	963	2,445		11	10	7	0	357		
		Kuglai	632	1,495	Wandi SHC	775	159	364	12.02.18	1	1	0	0	17	NBC	Road
		Kombugl	299	0	Wandi SHC	315	37	149	12.02.18	1	1	1	0	20	NBC	Road
		Dokor	126	0	Wandi SHC	327	50	155	12.02.18	1	1	1	0	10	NBC	Road
		Mirane	313	0	Wandi SHC	910	100	421	12.02.18	1	1	1	0	91	NBC	Road
		Bindai	280	0	Wandi SHC	408	68	189	12.02.18	1	1	1	0	7	NBC	Road
		Kond	508	587	Wandi SHC	697	150	330	12.02.18	1	1	1	0	102	NBC	Road
		Makankor	164	0	Wandi SHC	270	40	125	12.02.18	1	1	0	0	3	NBC	Road
		Koglai (Gon)	490	861	Wandi SHC	560	150	263	12.02.18	1	1	1	0	92	NBC	Road
		Gewa	349	0	Wandi SHC	253	53	119	12.02.18	1			0	0	NBC	Road
		Gonbo	360	655	Wandi SHC	503	129	237	12.02.18	1	1	1	0	0	NBC	Road
		Mirane Community School	15	0	Wandi SHC	202	27	93	12.02.18	1	1	0	0	15	NBC	Road
7	GUO		2,741	3,494		3,145	533	1,475		8	8	5	0	91		
		Guo	665	615	Wandi SHC	685	116	319	13.02.18	1	1	1	0	7	NBC	Road
		Irmugl	233	212	Wandi SHC	379	63	176	13.02.18	1	1	1	0	0	NBC	Road
		Karugl	514	562	Wandi SHC	332	62	156	13.02.18	1	1	1	0	0	NBC	Road
		New Camp	211	440	Wandi SHC	210	46	99	13.02.18	1	1	0	0	3	NBC	Road
		Dirmaundo	311	233	Wandi SHC	325	43	153	13.02.18	1	1	0	0	34	NBC	Road
		Memaugl	299	426	Wandi SHC	503	100	238	13.02.18	1	1	1	0	8	NBC	Road
		Kuikuglo	247	292	Wandi SHC	275	64	129	13.02.18	1	1	0	0	7	NBC	Road
		Anigl Community School	260	714	Wandi SHC	436	39	205	13.02.18	1	1	1	0	32	NBC	Road
8	WANDI		2,746	4,057		3,144	575	1,471		7	7	5	0	26		
		Wandi	272	646	Wandi SHC	613	100	287	13.02.18	1	1	1	0	6	NBC	Road
		Guiye	751	928	Wandi SHC	869	169	404	13.02.18	1	1	0	0	1	NBC	Road
		Bonguglingu	1,018	1,231	Wandi SHC	981	177	456	13.02.18	1	1	0	0	0	NBC	Road
		Mondosumun	647	417	Wandi SHC	473	99	227	13.02.18	1	1	1	0	19	NBC	Road
		Wandi H/C	35	293	Wandi SHC	71	8	33	13.02.18	1	1	1	0	0	NBC	Road
		Wandi Community School	23	275	Wandi SHC	32	5	15	13.02.18	1	1	1	0	0	NBC	Road
		Wandi High School		266	Wandi SHC	105	17	49	13.02.18	1	1	1	0	0	NBC	Road
9	YUAGLE \ MINDIMA CAMP		2,172	1,990		2,202	440	1,034		5	5	4	0	227		
		Yuagle	551	387	Wandi SHC	423	90	199	14.02.18	1	1	1	0	55	NBC	Road
		Mengagle	555	650	Wandi SHC	493	110	231	14.02.18	1	1	1	0	14	NBC	Road
		Ouna	612	686	Wandi SHC	760	150	359	14.02.18	1	1	0	0	101	NBC	Road
		Damar	322	100	Wandi SHC	339	50	157	14.02.18	1	1	1	0	45	NBC	Road
		Kekemba	131	167	Wandi SHC	187	40	88	14.02.18	1	1	1	0	12	NBC	Road
10	MINDIMA		4,041	4,230		4,192	752	1,993		8	6	6	0	161		
		Mindima	597	563	Wandi SHC	528	98	253	14.02.18	1	1	1	0	43	NBC	Road
		Kuglame	415	528	Wandi SHC	428	96	206	14.02.18	1	1	1	0	0	NBC	Road
		Nende	478	830	Wandi SHC	788	141	377	14.02.18	1	1	1	0	62	NBC	Road
		Gambagle	801	764	Wandi SHC	517	104	244	14.02.18	1			0		NBC	Road
		Keramugl	207	280	Wandi SHC	571	94	266	14.02.18	1	1	1	0	46	NBC	Road
		Mindima Suna	476	615	Wandi SHC	792	119	374	14.02.18	1	1	1	0	0	NBC	Road
		Konage	781	594	Wandi SHC	568	100	273	14.02.18	1	1	1	0	10	NBC	Road
		Keramugl E/School	287	57	Wandi SHC					1			0			Included under Keramugl
11	GOR		2,470	2,476		2,448	407	1,161		6	6	5	0	11		
		Papnigl	347	355	Wandi SHC	691	82	325	15.02.18	1	1	1	0	7	NBC	Road
		Morosuil (Yobar)	474	412	Wandi SHC	377	58	178	15.02.18	1	1	1	0	0	NBC	Road
		Gor	504	396	Wandi SHC	284	74	142	15.02.18	1	1	1	0	4	NBC	Road
		Papnigl Community School	9	452	Wandi SHC	270	45	124	15.02.18	1	1	0	0	0	NBC	Road
		Ningorma	824	511	Wandi SHC	440	84	212	15.02.18	1	1	1	0	0	NBC	Road
		Kurayauro	311	350	Wandi SHC	386	64	180	15.02.18	1	1	1	0	0	NBC	Road
12	KOROMA		2,108	2,326		3,846	593	1,811		6	6	5	0	71		
		Koroma	889	903	Wandi SHC	746	114	357	15.02.18	1	1	1	0	17	NBC	Road
		Yombar	317	367	Wandi SHC	514	100	248	15.02.18	1	1	1	0	0	NBC	Road
		Buaglkap	655	911	Wandi SHC	1,172	197	546	15.02.18	1	1	1	0	6	NBC	Road
		Teme	New		Wandi SHC	582	99	273	15.02.18	1	1	0	0	0	NBC	
		Garamuno	New		Wandi SHC	617	48	284	15.02.18	1	1	1	0	48	NBC	
		Topokuglo	247	145	Wandi SHC	215	35	103	15.02.18	1	1	1	0	0	NBC	Road
13	NOGAR		757	609		717	139	350		4	4	0	0	102		
		Kuma 1	217	159	Pari HC	139	35	72	13.03.18	1	1	0	0	29	NBC & FM	Road
		Druakombuglo	184	173	Pari HC	196	35	94	13.03.18	1	1	0	0	13	NBC & FM	Road
		Kuma 2	217	184	Pari HC	203	36	98	13.03.18	1	1	0	0	35	NBC & FM	Road
		Gaglaemagli	138	94	Pari HC	179	33	86	13.03.18	1	1	0	0	25	NBC & FM	Road