# Resettlement Plan

September 2013

PNG: Highlands Region Road Improvement

Program: Project 2

Prepared by Department of Works, Government of Papua New Guinea for the Asian Development Bank.

#### **CURRENCY EQUIVALENTS**

(as of 06 September 2013)

Currency unit - kina (K)}
K1.00 = \$.44

\$1.00 = K 2.25

#### **ABBREVIATIONS**

ADB - Asian Development Bank

AP - Affected people AH - Affected Household

BM&E - Benefit Monitoring and Evaluation CEP - Community Engagement Program

COA - Certificate of Alienability

CRP - Community Relations Program

DLO - District Lands Officer

DLPP - Department of Lands and Physical Planning

DMS - Detailed measurement survey

DOW - Department of Works
EA - Executing Agency

GoPNG - Government of Papua New Guinea

HH - Highlands Highway

HRMG - Highlands Region Maintenance Group

HRRIIP - Highlands Region Roads Improvement Investment

Program

IA - Implementing Agency

IMO - Independent monitoring organization

Land Investigation Report LIR LLCM Local Land Court Magistrate Local-Level Government LLG Lands and Survey Division LSD MFF Multi-Tranche Financing Facility Monitoring and Evaluation M&E Memorandum of Agreement MOA Non-governmental organization NGO NRA National Roads Authority

NTDP - National Transport Development Plan

PA - Provincial Administrator
PLO - Provincial Land Officer
PNG - Papua New Guinea
RF - Resettlement Framework
RP - Resettlement Plan
RIZ - Road Influence Zone

SHP - Southern Highlands Province

SP - Subproject Profile

T2 - Tranche 2

WHP - Western Highlands Province

#### NOTE

(i) In this report, "\$" refers to US dollars.

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# I. EXECUTIVE SUMMARY

- 1. This is the Resettlement Plan (RP) for Mendi-Tambul (55.53 km) road section under the Tranche 2 (T2) of the Highlands Region Roads Improvement Investment Program (HRRIIP) for Papua New Guinea (PNG) to upgrade, rehabilitate and maintain roads in the Highlands Highway (HH) network in PNG. This RP is based on the assessment of land acquisition impacts during the detailed engineering design for the road improvements as determined through a Detailed Measurement Survey (DMS). The term "land acquisition" in the RP has been used as a process to obtain land through negotiation; an expropriation or compulsory land acquisition is not expected.
- 2. In accordance with the HRRIIP eligibility criteria for sub-project roads, every effort has been made to minimize impacts on land acquisition and resettlement for this road section. The engineering design for road upgrading and rehabilitation has been formulated to minimize the need to acquire additional land outside of the existing road alignment, to the extent feasible and consistent with agreed design standards and good engineering practice. Among the options considered to minimize resettlement effects were (a) moving the affected structures outside the construction limits, if possible, (b) shifting the road alignment to the opposite side of the affected structure, (c) narrowing of the road shoulders in front of the affected structures, and (d) adjustments on the drainage component to minimize resettlement impacts. However, there are some unavoidable land acquisition and resettlement required to undertake and complete the road project. The summary of the impacts are shown in the following **Error! Reference source not found.**

TABLE 1 SUMMARY OF IMPACTS

Affected Asset	Unit	Total
Land	Square meter	611,945.23
House	Number of houses	6
Trade Store	Number of trade stores	20
Other Structures	Number of farm structures	12
Fences	Number of fences	410
Grave Sites	Number of gravesites	10
Graves	Number of graves	13
Tree Crops	Number of trees	1,295
Single Plants and Trees	Number of plants and trees	16,374
Clump Plants and Trees	Number of plants and trees	51,123
Single Plants	Number of plants	4,276
Vines or Clump Plants	Number of plants	986
Mound Plants	square meter	943
Forest Trees	Number of trees	19,197
Business Losses	Number of households	20
Women Headed Households	Number of households	12
Handicapped Headed Households	Number of households	3
Elderly Headed Households	Number of households	39

3. The cut-off date is the date when the DMS was completed which is June 12, 2013 in this road sub-project. The DMS indicated that the project would permanently use an additional 611, 945.23 sqm of land occupied by 7 tribes/clans whose assets such as

structures, crops and trees and fences will be affected. Based on the DMS there would be losses of 6 houses and 20 trade stores as well as 10 grave sites containing 13 graves. In addition, there are 943 sq.m of affected area planted with mound plants and 92, 251 annual and perennial plants and trees that would be affected by the project. There are 20 small businesses that will suffer business losses and 54 households that are classified as vulnerable households and hence would be eligible to receive vulnerability allowances. The subproject's resettlement category is Category B as the number of affected persons (APs) being physically displaced is only 6 households (around 31 persons) and 7 tribes/clans losing land. In addition, the loss of land or income generating assets is below 10% (insignificant).

- 4. The consultation process in the project area has been undertaken by DOW and its consultants with assistance from both Provincial and District Administration offices. The APs have already been informed about their right to file complaints and/or queries on any aspects of land acquisition compensation, and resettlement. Different techniques of consultations with stakeholders were used during the project preparation such as in-depth interviews, public meetings, focus group discussions, etc. A census and inventory of losses (DMS) and socio-economic survey were conducted to determine the extent of losses and establish the socio-economic profile of the AHs/APs. Consultations were held with the different villages and included provincial, district and local ward officials and leaders, tribal, clans and subclans leaders and the local communities. Consultations were carried out with special emphasis on the vulnerable groups. Public disclosure have been undertaken to disseminate the resettlement plan to APs, communities and different national and local government agencies.
- 5. The resettlement plan was presented to the ward councilors, tribal and clan leaders and direct stakeholders in Mendi and Tambul districts. They were provided copies of the MOAs for the use of customary land in exchange of public infrastructure. The project entitlements included in the MOA was explained and an open forum followed the information dissemination of project polices and entitlements. In addition, public disclosure on the resettlement plan was also conducted with provincial and district leaders who will help in the implementation of the RP.
- 6. This RP has been developed as per ADB's Safeguard Policy Statement (SPS) and the pertinent laws of Papua New Guinea. Where the laws of PNG are not clear, a project-specific set of resettlement principles consistent with ADB policy has been adopted. The project's policy principles on involuntary resettlement are in line with SPS principles as follow: (1) Screen early and assess resettlement impacts; (2) Carry out consultations with APs and develop a grievance redress mechanism; (3) Improve/restore livelihoods of APs through land-based strategies, replacement of lost assets, compensation at replacement cost, and additional benefits, as appropriate; (4) Provide appropriate assistance to physically displaced APs; (5) Improve living standards of poor APs and other vulnerable groups; (6) develop transparent procedures for negotiations; (7) provide assistance and compensation to non-titled APs for loss of non-land assets; (8) Prepare RPs; (9) disclose RPs to APs and other stakeholders and document the consultation process; (10) conceive and execute resettlement as part of the project; (11) deliver entitlements to APs before their physical or economic displacement; and (12) monitor and assess resettlement outcomes.
- 7. Based on nature of losses/impacts, entitlement for compensation has been earmarked in the entitlement matrix. The entitlements are described in the Chapter 8 on Entitlement, Assistance and Benefits and summarized in the Entitlement Matrix.
- 8. The DOW as the executing agency has overall responsibility to manage the planning, implementation and monitoring related to acquiring use rights for additional land to implement the project, as well as compensation for damages on project-affected land. The

Highlands Region Maintenance Group (HRMG), as the Implementing Agency (IA) for HHRIIP subprojects to upgrade and rehabilitate roads, has the responsibility delegated by the DOW to carry out the planning, implementation and monitoring for land activities, as required. DOW, in coordination with Provincial and District Administrations and through its project implementation unit (HRMG) will implement this RP following approval by ADB. A timeline for RP implementation and post implementation activities has been prepared in accordance with processes covered under this RP.

- 9. The involvement of local government units is vital in the implementation of the RP. The Provincial Land Officer (PLO) will collaborate with HRMG to plan, implement and monitor land activities for HRRIIP subprojects in the province and/or delegate responsibility to the relevant District Land Officers (DLO).
- 10. Grievances will be addressed adequately at all stages of project development. An internal grievance mechanism will be established at the province level with the primary objective of facilitating conflict resolution and minimize court cases. It will also provide affected people with a forum to air their objections and address their issues and concerns adequately. If the AP is still not satisfied with the ruling of the DOW, the AP may take the grievance to the PNG Judicial System.
- 11. The resettlement cost estimate for this project includes eligible compensation, rehabilitation assistance and support costs for RP implementation. The EA (DOW) will ensure timely allocation of funds and availability of resources for compensation and assistance to the affected households. DOW will plan in advance and include in their budget its counterpart funding for this project. The total estimated cost for resettlement for the Mendi-Tambul is estimated to be **K1**, **150**, **080.13**.
- 12. The implementation schedule for this RP has been scheduled based on the overall project implementation. All related activities related to land acquisition and resettlement are planned to ensure that compensation is paid prior to displacement and commencement of civil works. Public consultations, internal and external monitoring will be undertaken intermittently throughout the project duration.
- 13. The RP implementation will be closely monitored to provide DOW with an effective basis for assessing resettlement progress and identifying potential difficulties and issues. During the implementation of the RP, the HRMG will prepare semi-annual safeguard monitoring reports and submit these reports to ADB in additional to regular quarterly progress reports as part of project performance monitoring. The DOW will appoint an independent monitoring expert or organization (IMO) to undertake external monitoring. The IMO will prepare bi-annual monitoring reports; and, conduct post-acquisition evaluations twelve (12) months after compensation is completed for each subproject. All IMO reports will be submitted to HRMG and ADB.

# II. PROJECT DESCRIPTION

# A. Project Overview

- 14. The Highlands Region Roads Improvement Investment Program (HRRIIP) is intended to upgrade, rehabilitate and maintain roads in the Highlands Region Core Network (HRCN) in Papua New Guinea (PNG). The Investment Program will focus on the Highlands' core road network of around 1,400 kilometers (km) of major national and provincial roads. The Government of Papua New Guinea (GoPNG) will undertake this program through the Department of Works (DOW) with assistance from the Asian Development Bank (ADB).
- 15. The Highlands Region is a major contributor to PNG's economy through its mineral and agricultural exports. It is also home to 40% of the country's population who rely almost exclusively on the road network for movement of people and goods. The road network is vulnerable to damage because of the mountainous terrain, seismic activities, and heavy rain. The goals of the HRRIIP are to support economic growth by improving rural access to market centers, leading to increased exports and integration of the Highlands Region and its population into the mainstream economy of PNG; and, to facilitate access to social and education facilities in the region. The economic and social benefits of a comprehensive road transport network will contribute to poverty reduction in the Highlands Region.



- 16. The start of the road is at Tente which is about a kilometer away from Mendi Town. The junction connects to Mendi-Kandep road (a subproject under HRRIIP Tranche 1) which goes north-east and Tente-Tambul which goes north-west. The road located is in the populated Upper Mendi (part of Mendi/Munihu and Tambul Districts in the Southern Highlands and Western Highlands Provinces respectively).
- 17. The road traverses Koin Village, Mountain Paiya, and Enep, then to Kundaka Junction. After Kundaka junction, the road traverses through several village hamlets, ceremonial gathering places until Kumea Village. The road stretch between Kumea Village in Southern Highlands and Mianbel Village (Tambul)/ Western Highlands Province is uninhabited. The road is further accessible after Mianbel Village then to Mailge 1 & 2, and Laigam villages up to the end of the project at Kagul Bridge about 2kms away from Tambul Station. The length of the subproject road is 55.53 km.
- 18. The subproject is located in the LLGs of Mendi Urban and Upper Mendi Rural, both located in the district of Mendi/Minuhu, SHP and Mt. Giluwe Rural LLG in Tambul/Nebilyer District, WHP. The RIZ of the sub-project has a population of 102, 125 persons in 19, 826 households with an average household size of 5.15 persons. The details are shown in the following Table 2 Population Distribution in the Road Influence Zone (2011).

TABLE 2 POPULATION DISTRIBUTION IN THE ROAD INFLUENCE ZONE (2011)

District	LLGs	Total	Male	Female	% of Male	No. HH	HH Size
Mendi/	Mendi						
Munihu	Urban	17,266	9,009	8,257	52.18%	3,379	5.11
	Upper						
	Mendi Rural	48,335	24,925	23,410	51.57%	7,824	6.18
Tambul/	Mt. Giluwe						
Nebilyer	Rural	36,524	18,354	18,170	50.25%	8,623	4.24
Sub-Total		102,125	52,288	49,837	51.20%	19,826	5.15

- 19. Due to the lack of maintenance of the road, fully-grown vegetation and trees have narrowed the road carriageway. The existing pavement at most locations has disappeared and cannot be excavated where they can be incorporated as sub-base in the new construction. Substantial amount of drainage work is required to lay off the storm water from the mountains and hills. Culvert sizes are proposed for creeks that will require replacement and new culverts at other locations to improve the drainage systems.
- 20. It is proposed that a 5.5 meter sealed carriageway with 0.25 meter gravel shoulders will be provided under the improvement of the Mendi-Tambul road. The shoulders will be sealed in areas where scouring by carriageway run-off could occur due to high gradients or high super elevation or a combination of both. The existing bridges are in reasonable condition and will be retained with rehabilitation as necessary. Additional drainage culverts will be provided and existing culverts replaced as necessary. Roadside drains will be provided to cater for surface water run-off from the carriageway and adjacent earthwork slopes and the drains will be lined where necessary to prevent scour. Road safety features will include traffic signs, pavement markings and guardrails.
- 21. The subproject works will therefore take place within the existing road corridor and direct impacts are expected between the edge of the existing road and the construction limits. In addition there are some cut works on the mountainsides that are required to further improve the slope and turning geometry. The road widening may exceed 5m, depending on either the width of the cut or fill in a particular road section.

22. The existing road is situated on customary land, the use of which has been agreed in consultation with the clans and communities that jointly own the land. In order to expedite implementation of the project, the use of customary land required to upgrade the road have been agreed upon by the clans and communities through memoranda of agreement (MOAs) permitting the use of customary land for public infrastructure. This resettlement plan (RP) covers the land acquisition impacts from the edge of the existing road up to the construction limits including road clearance, and other infrastructure (e.g., drainage and culverts).

# B. Avoiding and Minimizing Land Acquisition

- 23. The resettlement framework provided for eligibility criteria for sub-project roads in order to qualify for inclusion in the HRRIIP. Among the eligibility criteria are provisions that are intended to avoid or minimize the land requirements such as (a) it is an existing or former road, that is, the road bench exists and restitution of a trafficable road does not require major earthworks or the construction of structures; (b) the proposed works avoid the displacement of residential structures or other, permanent structures; (c) the candidate road is on State-owned land (as per the Land Act), or there is a negotiated agreement with affected communities and landowners to use customary land.
- 24. The engineering design for road upgrading and rehabilitation has been formulated to avoid or minimize the need to acquire additional land outside of the existing road alignment, to the extent feasible and consistent with agreed design standards and good engineering practice. Based on this principle, the area subject to use of additional land starts at the edge of the existing road (both sides) and ends at the outer limits of the construction limits. The construction limits is defined as the area from the edge of the existing road up to the edge of the construction limits that is required to rehabilitate and upgrade the Mendi-Tambul road section.
- 25. The project team conducted a validation inspection to further avoid or minimize the structures and other land improvement impacts in the project. Among the options of the team to avoid or minimize resettlement effects are (a) shifting the affected structures outside the construction limits, if possible, (b) shifting the road alignment to the opposite side of the affected structure, (c) narrowing of the road shoulders in front of the affected structures, and (d) adjustments on the drainage component to minimize resettlement impacts. Based on the application of these reduction options, the original affected structures were reduced by 131 structures. The details are shown in Table 3 Effects to Avoid and Minimize Land Acquisition.

TABLE 3 EFFECTS TO AVOID AND MINIMIZE LAND ACQUISITION

Affected Asset	Left Side		Right Side		Total	
/ induced / iddet	Before	After	Before	After	Reduction	
Houses	12	3	9	3	15	
Trade Stores	23	12	25	8	28	
Farm House	5	1	2	0	6	
Graves Sites	17	6	21	4	28	
Toilets	2	2	5	1	4	
Others	32	6	26	2	50	
Total	91	30	88	18	131	

## C. Objectives of the Resettlement Plan

26. The purpose of the final Resettlement Plan (RP) is to identify who will be affected by rehabilitation and upgrading of the Mendi-Tambul road, to what degree they will be affected (i.e. what type of loss they will suffer) and how they will be compensated to ensure that they

are not adversely affected by the project or left in a worse situation than in a "without project" case. In all cases, the overall aim is to at least restore, if not enhance, the livelihoods of APs. The primary objective of the RP is to provide necessary details for compensation, resettlement and rehabilitation by identifying (i) the extent of losses; (ii) the policy and framework for compensation payments and relocation; (iii) institutional framework for participation and implementation, and (iv) responsibilities for monitoring during implementation.

## III. SCOPE OF LAND ACQUISITION AND RESETTLEMENT

27. In the Mendi-Tambul sub-project, the Lands and Survey Division (LSD) of DOW indicated the whole existing road is located on customary land that has not been alienated to the State as per the Land Act confirmed by the provincial and district personnel who were part of the survey team.

# A. Methodology on the Detailed Measurement Survey

- 28. Based on the detailed engineering design, the detailed measurement survey (DMS) started on middle of March 2013, led by the project's local land acquisition specialist. The questionnaire used in the survey had been previously used in other ADB projects involving resettlement in PNG and in the process, was further fined tuned by its continuous use.
- 29. During the community pubic consultations conducted during the DMS, the APs were informed that the cut-off date of the project will be date when the DMS will be completed. This cut-off date was adopted to ensure minimum introduction of improvements between the date that they were informed and the date when the DMS will be completed. The DMS was completed on **June 12, 2013 and is the cut-off date** for the Mendi-Tambul Road section.
- 30. In the presentation of this report, the affected persons for the land are the tribes and clans who are the rightful owners of the affected customary lands. The affected areas will be presented per tribe and clan and not per individual member who are presently occupying the affected tribal land. Any negotiation or compensation that will be due to affected land owners will be negotiated or compensated to the tribe. Members of each tribe who were included in the DMS but have no affected personal assets will be presented as members of the tribe only. This will enable other members of the tribe who are not living along the proposed project and not included in the DMS to be recognized as co-owners of the affected customary land and can share in any compensation due to the tribes as owners of the affected lands.
- 31. All other affected assets beside the land including houses, trade stores, crops, trees, ancillary structures, graves will be presented in this report based on personal ownership of the affected assets. The names of the owners under the tribe where the APs belong will be presented with their affected personal assets.
- 32. Vulnerability of households will be determined based on the households who will experience actual physical or economic displacement because of the project. Other members of the tribe who will not experience actual physical or economic displacement but whose only qualification to claim vulnerability allowance is their tribal membership will not be considered.

# B. Scope of Land Acquisition

#### 1. Land Impacts

33. The length of the road section based on the detailed engineering design is 55.53km. The Mendi/Minuhu district covers the first 39+740km while the remaining 15.79 km segment is located in the Tambul/Nebilyer District. The average width of the existing road is 4.23 meters. To upgrade and rehabilitate the subproject road, an additional 611, 945.23 sqm or an average of 11.02 meters for both sides of the existing road are needed. The details are shown in the following Table 4 Existing Road and Additional Land Required.

	,	, ,		
Existing Road				
	Mendi (km 0+000 to km39+740)	Tambul (km39+740 to km55.53)	Total	Ave Width
Left Side	84,523.34	33,315.17	117,838.50	2.12
Right Side	83,772.93	33,066.10	116,839.02	2.10
Total	168,296.26	66,381.26	234,677.53	4.23
Additional Land				
Both Sides	433,453.84	178,491.39	611,945.23	11.02
Existing + Additional	601,750.11	244,872.65	846,622.76	15.25
Average Width	10.84	4.41	15.25	

TABLE 4 EXISTING ROAD AND ADDITIONAL LAND REQUIRED

34. There are 7 major tribes and clans on both sides affected by the road project. The whole road section is on customary land. In the Mendi-Tambul road section, there was no previous land survey undertaken. The determination of land parcels were made during the detailed measurement survey (DMS) and were the results of the consultations and physical identification of the individual boundaries within their territorial domains during the DMS by the members of the affected tribes and clans. The details of the affected tribal lands are shown in the following table.

THE TOTAL OF THE LOTED THE PARTY					
Location	Tribe/Clan	Sub-Clan			
0+000-0+800	Torol/Omol	Omol/Pea /Waomol			
0+800-1+014	Tunzup	Sembiso/Hulup			
1+014-3+500	Mendepo	Surepere/Ombia			
3+500-17+240	Tunzup	Karel/Kundaka/Tanolame			
20+000-40+000	Yakopa/Kerenda/Koraya/Komea	Parole/Yakopa Yana			
40+000-43+630	Yakumba/Yap/Birop/Yano	Pingump/Komb			
44+000-55+530	Yana	Mumiana/Megapuk/Tarali/Keleps			

TABLE 5 SUMMARY OF AFFECTED TRIBAL LANDS

- 35. The divisions of the road section based on tribal ownership are not absolute and only reflect the social system of PNG. Ownership and boundaries of land can never be fixed for all time but reflect changes in power and authority. Land rights are best perceived from the center, rather than land having fixed boundaries. This means that greater clarity of tenure occurs at the center of customary land, with less distinction at the boundary of land.
- 36. Land rights are held in common with other members of the group. The relationships between groups influence the assertion of land rights and subsequent tenure. Land tenure is not absolute but is repeatedly tested by competing groups. Disputes over land are never lost; rather the loser will regroup for a further claim.

#### 2. Houses and other Structures

37. There are a total of 48 structures that will be affected by the subproject. Out of this total, 6 structures are houses, 20 structures are trade stores, and 10 grave sites. There is also a farmhouse that will be affected by the project. The details are shown in the following Table 6 Summary of Affected Structures.

Affected Structures	Left	Right	Total
House	3	3	6
Trade Store/shed	12	8	20
Farm House	1	0	1
Grave Sites	6	4	10
Toilets	2	1	3
Others	6	2	8
Total	30	18	48

TABLE 6 SUMMARY OF AFFECTED STRUCTURES

#### 3. Annual and Perennial Crops and Trees

- 38. The classification of plants and trees used in this section has been taken from the Valuer General's Schedule of Compensation (2008) which is hereby adopted and facilitates the valuation of the compensation in the latter portions of this report. For valuation purposes there are 3 or 4 stages of development of a plant or tree depending on the specific plant/tree classification. There are also crops that are computed by area such as sweet potato or kunai grass, an economically valuable grass.
- 39. The values and prices in the schedule are considered guidelines for general use as local conditions and scarcity or abundance will affect the value of a particular item. The trees and plants enumerated in the schedule are economic trees and plants that have value because the products derived from these trees and plants have household and/or commercial use and value. Plants and trees that do not comply with these criteria were not included such as flowers, ornamental plants, grass that maybe valuable only to the owning household.
- 40. The rates or prices in the Valuer General's Schedule of Compensation were determined in 2008 and there is a need to update these rates to reflect the current prices. A replacement cost study (RCS) applicable specifically for the HRRIIP sub-projects has been conducted for DOW and these new rates will be applicable for all Tranche 2 sub-projects, including this subproject. The RCS has recommended an increase of 3.5% per year starting in 2008 for the rates of crops and trees in the Valuer General Schedule of Compensation Rates and these new rates have been adopted in the computation of the resettlement budget.

Commercial Tree Crops – These are trees and plants cultivated in a specific area for the purpose of cash income. In the project area, coffee tree is the only affected commercial crop as classified by the schedule of compensation. There are 1,295 coffee trees (conventional) in the different stages of development that will be affected by the project. The following

41. Table 7 Summary of Affected Crops shows the details of the affected coffee trees.

**TABLE 7 SUMMARY OF AFFECTED CROPS** 

Coffee	Seedling	Small	Medium	Mature	Total
Left	94	364	279	104	841
Right	18	127	115	194	454
Sub-Total	112	491	394	298	1,295

42. Single Plants and Trees – This is classified under Category B1 – Other Commonly Used Plants and Trees by the Valuer General's Schedule of Compensation. There are ten species classified as single plants and trees affected by the project totaling 16, 374 plants and trees in their different stages of development. The details are shown in the following Table 8 Summary of Affected Single Plants and trees.

TABLE 8 SUMMARY OF AFFECTED SINGLE PLANTS AND TREES

Name of Single Plant or Tree	Seedling	Small	Medium	Mature	Total
Avocado (Butter)	274	378	274	257	1,183
Breadfruit	11	107	101	180	399
Causarina	668	1,838	2,593	3,646	8,745
Guava	0	235	85	138	458
Mango	0	12	26	59	97
Orchids	0	0	0	82	82
Pandanus marita	0	4	20	266	290
Pandanus karuka	1,011	1,373	480	2,241	5,105
Pandanus nonedible	0	4	0	2	6
Pao	0	0	7	2	9
Total	1,964	3,951	3,586	6,873	16,374

43. Clump Plants and Trees – This is also classified under Category B – Other Commonly Used Plants and Trees. There are seven species under this category totaling 51, 123 affected plants and trees in their different stages of development. The details are shown in the following Table 9 Summary of Affected Clump Plant or Tree.

TABLE 9 SUMMARY OF AFFECTED CLUMP PLANT OR TREE

Name of Plant or Tree	Small	Medium	Mature	Total
Bamboo	23	62	170	255
Banana	123	413	128	664
Edible Fern/Taki	456	1,191	5,242	6,889
Edible Pitpit	86	1,050	5,421	6,557
Salat	3	0	483	486
Sugarcane	158	52	302	512
Tangets	6,320	4,431	25,009	35,760
Sub-Total	7,169	7,199	36,755	51,123

44. Edible Single Plants – There are 15 species in this category that are affected in the project area totaling 4, 276 plants. These are annual crops that bear fruit or the leaves that are harvested within a year. The details of the fifteen species and their numbers are shown in the following Table 10 Summary of Affected Edible Single Plants.

TABLE 10 SUMMARY OF AFFECTED EDIBLE SINGLE PLANTS

Name of Plant	Small	Medium	Mature	Total
Aibika	0	6	5	11
Beans	1	179	108	288
Black Kumu	18	56	21	95
Broccoli	4	30	37	71
Chinese Cabbage	230	208	503	941
Cabbage/English Cabbage	183	344	3	530
Corn	157	50	114	321
Lettuce	0	5	42	47
Onion	12	40	12	64
Pineapple	0	35	94	129
Strawberry	0	1	36	37
Taro	154	144	530	828
Taro Kongkong	72	131	262	465
Tobacco	18	4	7	29
Yam	0	0	420	420
Total Single Plants	849	1,233	2,194	4,276

45. Edible Vines and Clump Plants -- This category is a mixture of annual and perennial plants. There are seven species affected by this subproject totaling 986 plants and out of this total, the most numerous is passion fruit. The other details are shown in the following Table 11 Summary of Affected Edible Vines and Clump Plants.

TABLE 11 SUMMARY OF AFFECTED EDIBLE VINES AND CLUMP PLANTS

Name of Vine or Clump Plant	Small	Medium	Mature	Total
Cassava	43	0	6	49
Choco	0	23	41	64
Cucumber	27	0	0	27
Ginger	160	0	21	181
Passion Fruit	150	86	195	431
Pumpkin	0	13	15	28
Pepper Vine (Daka)	141	35	30	206
Total Vines and Clump Plants	521	157	308	986

46. Mound Plants— There are only two crops included in this category; potato and sweet potato, the staple crop in the highlands and the most important crop in PNG. There are 943 affected mounds and the average mound is one square meter and this is the basis of computing compensation. The details are shown in the following Table 12 Summary of Affected Mound Plants.

TABLE 12 SUMMARY OF AFFECTED MOUND PLANTS

	Small	Medium (0.75-	Large	
Mound Plants	$(<0.75M^2)$	1.50M²)	(1.50M <sup>2</sup> )	Total
English Potato	21.50	43.00	223.00	287.50
Sweet Potato	113.50	115.00	427.00	655.50
Total Area	135.00	158.00	650.00	943.00

47. Forest trees are categorized into four classes and two specific trees (pine and canoe trees) which are very important in PNG. There are 19, 197 affected forest trees and the predominant affected category is minor trees totaling 7,986 trees. The other details are shown in the following Table 13 Summary of Affected Forest Trees.

TABLE 13 SUMMARY OF AFFECTED FOREST TREES

Name of Forest Tree	Small	Medium	Mature	Total
Hardwood (All Species)				
Eucalyptus	70	18	2	90
Gum Tree	646	738	1,209	2,593
Hardwood Tree	89	202	242	533
Oak	16	25	45	86
Red Cedar	0	5	8	13
Total Hardwood Trees	821	988	1,506	3,315
Semi-Hardwood (All Species)				
Semi-Hard Trees	113	96	302	511
All Other Trees	2,008	2,511	3,467	7,986
Pine Tree	1,013	1,168	1,706	3,887
Canoe Tree	123	31	29	183
Total Forest Trees	4,899	5,782	8,516	19,197

#### 4. Fences

- 48. The main purpose of fences in the project area is to keep animals from straying into food gardens which is the main source of household food. Pigs, cows and goats are especially partial to the leafy vegetables being grown in these food gardens. Hence, the use of fences is not for the protection of the inhabitants but the protection of their food source.
- 49. The affected fences have a total length of 22,220 linear meters. The predominant fence is made of plant/bush (20,426m). The average height of the fence is around one and one half meters. The details of the affected fences are shown in the following Table 14. Summary of Affected Fences.

**TABLE 14. SUMMARY OF AFFECTED FENCES** 

Fence Material	Left Fence	Length	Right Fence	Length	Total Fences	Total Linear Meters
Metal	0		1	10.00	1	10.00
Wooden	16	1,381.00	5	403.00	21	1,784.00
Plant/Bush	190	9,297.50	198	11,128.50	388	20,426.00
Total	206	10,678.50	204	11,541.50	410	22,220.00

### 5. Grave Sites

THERE ARE 10 GRAVE SITES CONTAINING 13 GRAVES. THERE ARE THREE TYPES OF GRAVE SITES BASED OF THE VALUER GENERAL'S SCHEDULE OF COMPENSATION, NAMELY THE UNMARKED, PERMANENTLY MARKED AND PERMANENTLY MARKED WITH FEATURES. THE DETAILS ARE SHOWN IN THE FOLLOWING

50. Table 15 Summary of Affected Graves Sites and Graves.

TABLE 15 SUMMARY OF AFFECTED GRAVES SITES AND GRAVES

Type of Grave Site	Left		Right		Total	
Type of Grave Site	Site	Grave	Site	Grave	Site	Grave
Unmarked (1)	5	6	2	3	7	9
Permanently Marked (2)	1	1	0	0	1	1
W/Permanent Features						
(3)	0	0	2	3	2	3
Total	6	7	4	6	10	13

#### 6. Business/Income

51. There are 20 trade stores that will be affected by the project and will suffer business losses. The details are shown in the following Table 16 Summary of Affected Businesses.

**TABLE 16 SUMMARY OF AFFECTED BUSINESSES** 

Business Loss	# of Facilities	Left	Right
Trade Store	20	8	12
Total	20	8	12

#### 7. Vulnerability

52. Women headed households totaled 12 households while handicapped headed households accounted for 3 households. In addition, households headed by the elderly accounted for 39 households. In summary, there are 54 vulnerable households in the project affected area as shown in the following Table 17 Summary of Vulnerable Households.

TABLE 17 SUMMARY OF VULNERABLE HOUSEHOLDS

Vulnerability	Left Side	Right Side	Total
Women Headed Households	6	6	12
Handicapped Headed			
Households	0	3	3
Elderly headed Households	17	22	39
Total	23	31	54

# 8. Category of Resettlement Impacts

53. The selection criteria for subsequent subprojects for the HRRIP include provisions that the proposed work is on an existing road, does not involve major earthmoving works and avoids the displacement of residential structures or other, permanent structures. These selection criteria in effect aim to minimize the resettlement impacts for any candidate road for the HRRIIP. The Mendi Tambul is categorized as Category B for involuntary resettlement based on SPS because of the minimal number of affected owners and the insignificant

impacts on land and/or productive assets. The number of affected persons (APs) being physically displaced is 6 households (around 31 persons) and 7 tribes/clans losing land and the loss of land or income generating assets is below 10%.

- 54. The land relationship between the tribes and clans who own the customary lands and the members is similar to a contract of usufruct wherein the land owners (tribes and clans) permit their members to use and profit from the use of tribal and clan lands. Hence, in determining the number of affected persons, the tribe is treated as a juridical person with its own separate and distinct personality from that of its members. From the forgoing premises, the number of affected owners of the land is only 7 tribes and clans.
- 55. The tribal lands in the highlands are very substantial and the increase in the population either by natural growth or through marriages can be adequately addressed by releasing extra lands of the tribes to members who are in need of additional or new land to farm. People along the road project make more than 20 consecutive plantings before a fallow period of 5–15 years. Production is maintained through the use of drainage, composting and mounding. Based on these agricultural practices, a household has several farming areas located in different parts of their tribal lands. Some are currently used as food gardens while others are in the fallow period wherein lands are rested to regain their fertility. In Mendi-Tambul subproject, the socio-economic survey revealed that respondents have an average of 5 food gardens located separately within the tribal land. Hence, lands that will be affected will be addressed by the affected tribes by allocating vacant lands or early activation of fallow lands for the affected members.
- 56. In assessing the impacts on their productive assets, the assets including the lands of the affected tribe/clan should be the basis and not on individual affected lands presently occupied by the APs. There is a tribal mechanism wherein any decrease in the landholdings of a member will be addressed by the affected tribe through releases of idle tribal lands. In effect, the assessment of impacts to determine whether it would be significant or not, should be on the tribal level because of the uniqueness of PNG society, wherein customary laws prevail on land relations.
- 57. The determination of the percentage of their affected productive assets had been problematic because the affected households have multiple areas for their productive assets. Further investigations revealed that each household in a tribe has at least 4 food gardens with the majority for household consumption while the rest are cultivated for their potential cash income. In cases of natural growth trees, there is no clear cut ownership on what trees are individually owned and what are tribally owned. In the timber industry, compensation for natural growth trees is given to the affected tribes. While the DMS covered all the affected assets inside the required land to upgrade and rehabilitate the road, it did not cover the scattered food gardens and trees areas of the APs located elsewhere.
- 58. In terms of the number of affected persons whose permanent houses will be demolished because of the project, there are houses that will be affected and all are made of bush materials. Based on the eligibility criteria that formed part of the resettlement framework, the project works avoided displacement of residential and other permanent structures because the affected houses are classified as temporary houses made of bush materials (wood, bamboo and grass).

#### IV. SOCIO-ECONOMIC INFORMATION AND PROFILE

# **Background Information**

#### 1. Socio-Economic Information

- 59. A socio-economic survey was conducted from the middle of March to April 5, 2013. The DMS covered 915 affected persons and after further screening, the number of affected persons was pruned to 797 affected persons. The difference of 118 persons who were interviewed was not included from the list of APs because they have no personnel assets that will be affected by the subproject. The sample size of the socio-economic survey is 116 respondents. All 116 respondents are classified as project affected persons. This represents 14.60% sampling size.
- 60. The enumerators or interviewers were provided a short summary on ADB Safeguard Policy Statement to provide background information on the conduct of the socio-economic survey. A briefing on the contents of the survey instrument and how interviews should be conducted were also shared with the enumerators. To provide randomness in getting the sample size, the enumerators were instructed to conduct the interviews randomly along the whole road section. If the targeted respondent of the census survey is unwilling to undergo further interview, the enumerators were instructed to interview the next respondent in the census survey.
- 61. This section contains the results of the socio-economic survey conducted specifically for the project and secondary information gathered from the previous studies for this road section. These are all presented to provide a holistic view of the socio-economic conditions in the Mendi-Tambul road section.

#### 2. Household Demographic Information

62. There are 116 households interviewed in the socio-economic survey (Mendi-Tambul road section). The total population is 692 persons or an average household size of 5.97 persons. There are 415 males against 277 females or a gender ratio of 67 females for every 100 males. There are 431 persons in the economically productive age (15 – 65 yrs old) while there are 261 persons in the dependent ages (under 15 yrs and above 65 yrs old). There are 61 dependent persons for every 100 persons in the economically productive age. (Age Dependency Ratio -- is the ratio of persons in the "dependent" ages (generally under age 15 and over age 65) to those in the "economically productive" ages (15-65 years) in the population.) The details are shown in the following Table 18 Age and Gender Distribution.

**TABLE 18 AGE AND GENDER DISTRIBUTION** 

Gender	<15yrs	15-65	>65 yrs	Total	
Male	121	284	10	415	
Female	91	147	39	277	
Total	212	431	49	692	

Out of the total of 116 households, 91 households are nuclear families while 14 households are extended families. There are 6 joint families while only 3 families are polygamous families. The details are shown in

63. Table 19 Summary of Family Types in the Sampled Households.

Type of Family	Frequency	Percentage
Nuclear	91	78.45%
Extended	14	12.07%
Joint	6	5.17%
Polygamous	3	2.59%
Others	2	1.72%
Total	116	100.00%

TABLE 19 SUMMARY OF FAMILY TYPES IN THE SAMPLED HOUSEHOLDS

- 64. The term nuclear family is used to distinguish a family group consisting of most commonly, a father and mother and their children, from what is known as an extended family. Nuclear families can be any size, as long as the family can support itself and there are only children and two parents, nuclear families meet its individual members' basic needs since available resources are only divided among few individuals or the family would be known as an extended family.
- 65. In the RIZ, people lived on isolated homesteads or in small hamlets of 4-10 households that form a sub-clan. More recently, and particularly since the upgrading of portions of the Highlands Highway, villages have been established adjacent to roads. Often, a village will have a central meeting area that is located adjacent to the road; this is where trade stores are located and, possibly, an informal market area. Housing is generally clustered behind the central area, away from the road.
- 66. Out of 116 households, 31 households are affiliated with PNGBC, 21 are Roman Catholics, 19 households are Lutheran and 13 households are with the Seventh Day Adventists. Almost all of the sampled households are affiliated with Christian mainline groups. The other religious groups are shown in the following Table 20 Religious Affiliation of Sampled Households.

TABLE 20 RELIGIOUS AFFILIATION OF SAMPLED HOUSEHOLDS

Religious Affiliation	Frequency	Percentage
PNGBC	31	26.72%
Roman Catholic	21	18.10%
Lutheran	19	16.38%
SDA	13	11.21%
United Church	12	10.34%
Pentecostal	3	2.59%
Others	17	14.66%
Total	116	100.00%

67. In terms of highest educational attainment of sampled households, almost one third is in the primary level while more than one fourth is in the elementary level. There are a limited number of members of the sampled respondents who are in the associate (2 years course) and college levels. The breakdown of their highest educational attainment based on gender is shown in the following

68. Table 21 Highest Educational Attainment.

**TABLE 21 HIGHEST EDUCATIONAL ATTAINMENT** 

Educational Attainment	Male	Female	Total	Percentage
No Schooling	25	14	39	15.66%
Elementary	36	30	66	26.51%

Primary	42	36	78	31.33%
Secondary	23	13	36	14.46%
High School	3	0	3	1.20%
Associate	4	10	14	5.62%
College	10	3	13	5.22%
Total	143	106	249	100.00%

#### 3. Housing Information

- 69. The major source of domestic water is from nearby streams accounting for 43.97% (51) households. This is followed by spring, a source of water for 34.48% (40) households. Other sources are tanks and piped in water. The major toilet type used by households is the latrine accounting for almost all (91) of respondent households. All households use wood as fuel for cooking.
- 70. In the RIZ, over 97% of households own their houses; nearly all structures are constructed of semi-permanent traditional materials, i.e., wood frames with woven bamboo walls and thatch roofs. Some people "modernize" their traditional houses with windows and front porches; better-off households construct houses that combine traditional and purchased materials. Also, as roads are upgraded, there is evidence of new houses being constructed entirely of permanent materials (HRMG/DOWT, 2006). A household may have several structures grouped in a small cluster. Some households maintain the custom of men and women living separately; this is particularly true among the older generation, although younger couples tend to live together in the same house.

#### 4. Economic Activities

- 71. Respondents in the Mendi-Tambul road section were asked about their main household economic activities. Eighty three households were engaged in agriculture as their main economic activity while vending is a distant second with 38 households.
- 72. Based on the multiple answers given by respondents, there are 2.5 economic activities for every household interviewed in this survey. Small enterprises, business and trading and roadside vending are female dominated activities that are very significant in producing additional income to the families.

#### 5. Cropping Patterns

- 73. Subsistence agriculture in this region is based on moderate-to- high intensity cultivation of sweet potato. Other common crops include beans, corn, greens, cabbage, sugarcane and peanuts. Households use techniques such as composting and mounding to maintain the productivity of their land; in areas of moderate intensity cultivation, gardens are left fallow for up to 15 years after 2-5 plantings.
- 74. People walk to work in their gardens on a daily basis. Among surveyed households, the average distance is about 1.5 km. However, women in focus groups in SHP villages said they often walked 5-10 km (3-4 hours) to get to their gardens.
- 75. Most households raise small livestock such as pigs, goats, sheep and poultry. Among surveyed households in the RIZ, 73% in SHP cited the sale of pigs as a source of cash income; this income ranges from K500 to K1, 500 per year.
- 76. In the areas around the boundary of Mendi and Tambul (chainage 39), agricultural activities are very limited because of the very limited access to these areas. The survey

team for the DMS had to leave their vehicle and walk for two days towards Tambul. Hence, the area remains basically uninhabited because of inaccessibility.

#### 6. Marketing

- 77. There are three types of selling that evolved in the Highlands Region; (a) formal market where producers sell to wholesalers who in turn supply retail establishments, (b) informal market, these are open markets throughout the highlands, (c) direct bulk buyers retailers, restaurateurs and institutions etc, buy from producers at the door. Retailers sell fresh vegetables but often have trouble sourcing local produce due to high transport costs. Kai bars use assorted vegetables on their menus. The institutions (hospitals, technical colleges, prison, armed forces) are a large market.
- 78. The marketing of cash crops relies on sales to buyers, particularly for households growing coffee and raising pigs. Nearly 90% of coffee growers sell to buyers, while only 40% make direct sales at local and/or regional markets. In SHP 23% of households sell pigs in local markets. Even for vegetables, people sell to buyers. In SHP, only 15% sell vegetables in local markets while 79% rely on buyers.
- 79. Market sellers generally walk to local markets; in SHP, the average trip is 35 minutes and the majority (60%) sells several times each week. The lack of good marketing opportunities is evident in SHP based on the average daily revenues of K24, as reported by surveyed vendors. On good days, vendors get K58 in SHP markets; on a bad day, the average is K19 a day.

# 7. Household Income and Expenditure

80. The primary source of household income is from agriculture earning an aggregate amount of 348, 930 Kina representing 26.25% of the total annual household income. Income derived from government income contributed 19.02% of the household income while small enterprise came a close third with 17.95%. It is significant that 8.86% of household income came from vending, a female dominated income generating activity. The details are shown in Table 22 Source of Household Income.

TABLE 22 SOURCE OF HOUSEHOLD INCOME (KINA)

Income Source	Amount	Percentage	# of HH	Ave. Annual Income	Ave. Monthly Income
Agriculture	348,930	26.25%	111	3,143.51	261.96
Paid labor	44,990	3.38%	39	1,153.59	96.13
Small Enterprise	238,650	17.95%	59	4,044.92	337.08
Gov't Employment	252,900	19.02%	24	10,537.50	878.13
Business/Trading	8,060	0.61%	3	2,686.67	223.89
Transport	2,500	0.19%	3	833.33	69.44
Vending	117,750	8.86%	58	2,030.17	169.18
Hunting	18,460	1.39%	38	485.79	40.48
Remittance	93,970	7.07%	84	1,118.69	93.22
Royalties	10,190	0.77%	19	536.32	44.69
Others	192,930	14.51%	21	9,187.14	765.60
Total	1,329,330	100.00%	116	11,459.74	954.98

81. Based on the various sources of income, the highest source of income per household came from government employment with around 10,000 kina per family per year. This is

followed by small enterprise with around 4, 000 kina annually. The third is agriculture accounting for around 3, 000 kina annually.

- 82. Overall, the annual income is 11,459.74 kina per household and this translates into a monthly income of around 955 Kina or a per capita of around 5.33 kina per person per day at an average size of 5.97 persons per household.
- 83. Household Expenditure The survey showed that food is the largest household expenditure accounting for 234, 180 kina (25.37%) of total household expenses. Education came a very close second with 230, 650 kina (24.99%) of total household expenses. Third is social functions with 135,555 kina (14.68%). Again, this showed under reporting of food expense as only around 25% of total annual household expense because of the availability of food gardens of the respondents and their tendency to report food expense as out of pocket cash spent on food.
- 84. The basic reasons that children in RIZ are not in school include the school fees, the long distances to schools, risks for children traveling long distances and the fact that there are insufficient numbers of teachers. Girls are often not sent to school because they are needed at home to help their parents.
- 85. However, in this sub-project, educational expense incurred by household is around one fourth of their household expenses. Key informants revealed that many of the households send their children to Mendi to board with relatives just to attend school. While lodging may be free, the other expenses like food, supplies and transportation makes education an expensive endeavor in the households in this subproject. The other details are shown in Table 23 Household Expenditure.

TABLE 23 HOUSEHOLD EXPENDITURE					
Annual Household Expense	Amount	Percentage	# of HH	Annual Expense	Monthly Expense
Food	234,180	25.37%	115	2,036.35	169.70
Transport	67,799	7.34%	115	589.56	49.13
Clothing	48,410	5.24%	89	543.93	45.33
Health	24,837	2.69%	81	306.63	25.55
Education	230,650	24.99%	82	2,812.80	234.40
Communication	51,482	5.58%	83	620.27	51.69
Social Functions	135,555	14.68%	95	1,426.89	118.91
Agri Inputs	72,390	7.84%	50	1,447.80	120.65
Fuel	40,355	4.37%	43	938.49	78.21
Electricity	10,400	1.13%	13	800.00	66.67
Others	7,050	0.76%	13	542.31	45.19
Total	923,108.00	100.00%	116	7,957.83	663.15

**TABLE 23 HOUSEHOLD EXPENDITURE** 

86. The average annual expense of the surveyed households totaled 7,957.83 kina or a monthly expenditure of 663.15 kina a month. Comparing this figure with the average annual income of 11, 459 kina, there is a net savings of around 3, 500 kina per year.

#### 8. Health Services and Facilities

87. The respondents were asked if any member of their family became sick during the past year. Twenty out of a total of 116 households declared that at least one member of their family got sick during the past year. The illnesses mentioned by respondents include

broken bones (4 cases), heart ailments (4 cases), TB (3 cases), malaria, asthma, paralysis, and scabies.

- 88. The respondents were asked if they sought medical attention for their sicknesses and all households availed of the existing health facilities. Majority of respondents availed of health facilities even households whose members were sick for more than a year ago. Majority went to the provincial hospital because of the gravity of the illnesses of household members.
- 89. All the respondents were asked their traveling time to the nearest health facility (aid post, district health center or provincial hospital). All respondents were within four hours traveling time from an aid post or district health center but majority use public motor vehicle to go to the nearest health facility.

# 9. Migration

- 90. There are generally four types of migration in PNG, (a) rural to urban, (b) rural to peri-urban, (c) rural to rural and (d) rural to resource projects. These movements are associated with the ability to earn cash incomes in particular provinces, with most migrants moving from provinces where incomes are lowest, to provinces where incomes are highest. In many parts of PNG people are moving from areas they perceive as disadvantaged to areas they perceive as advantaged. That is, from poor quality land with poor access to markets and services, to higher quality land with better access to markets and services and with increased chances to engage in the cash economy.
- 91. The respondents were asked if they or any member of the family migrate for work outside of their district. Out of the total respondents, 38 households have some members of their families migrating to work outside of their provinces.
- 92. Only three out of the total number of migrant workers are agricultural laborers. The majority of migrant workers are professionals. They earned an average of more than 3,600 kina per month.

#### 10. Status of Women

- 93. The respondents were asked what kind of activities the female members of their families are engaged in. The question can accommodate multiple answers. The female members of the families are usually responsible for the cultivation of their food gardens (81%). This is a very important source of food in their families and women are responsible for their continuous production. If the women are finished tending their gardens and just waiting for the vegetables and other crops to mature, the women work for other food gardens and nearby coffee plantations to augment their income. The household works, which is a traditional domain of women, are being done by women in 85 households (73.28%). This is augmented by services, offering household services to other households being practiced by 70 households. Other activities are shown in
- 94. Table 24 Women's Participation in Economic Activities.

TABLE 24 WOMEN'S PARTICIPATION IN ECONOMIC ACTIVITIES

Women's Participation in Economic Activities	Frequency	Percentage
Agricultural Cultivation	94	81.03%
Allied Activities	86	74.14%
Collection/Sale of forest products	71	61.21%
Trade/business	71	61.21%
Agricultural Labor	81	69.83%

Non-Agricultural Labor	75	64.66%
Household Industries	87	75.00%
Services	70	60.34%
Household work	85	73.28%
Others	39	33.62%

- 95. It is apparent that far from being marginalized, the women in the study area are very active in their pursuit and contribution to the income of the families. Fifty seven households reported an aggregate amount of 53, 730 kina or an average of around 942 kina annually. This average amount is understated because of the local practice of not considering food consumption raised in the food garden as part of the income earned by a family.
- 96. The respondents were asked about the female participation in decision making in the family. Ninety households reported that female participation is very much present in the surveyed households.
- 97. Decision making regarding financial matters has 89 female members (76.72%) participating. This topic is associated with the purchase of assets for the family which has 78 females (67.24%) participating. In addition, the survey reflected the traditional role of women in connection with the education.
- 98. Based on the results of the socio-economic survey, the women in the study area have mainstreamed in generating income to augment family income. In addition, the female participation in decision making process regarding various family aspects is very apparent and observable. Table 25 Summary of Female Participation in Decision Making presents the summary of the female participation in decision making in the study area.

TABLE 25 SUMMARY OF FEMALE PARTICIPATION IN DECISION MAKING

Women's Participation in HH Decision Making	Frequency	Percentage
Females in Decision Making	90	77.59%
Financial Matters	89	76.72%
Education of Child	85	73.28%
Health Care of Child	78	67.24%
Purchase of Assets	78	67.24%
Day to Day Activities	82	70.69%
Social Function/Marriage	82	70.69%
Others	65	56.03%

# **B.** Project Potential Socio-Economic Impacts

99. Positive and adverse impacts may occur simultaneously in a given project. In the Mendi-Tambul road, the positive impacts outweigh the adverse impacts because of the nature of the project. The following paragraphs discuss the positive as well as the negative socio-economic impacts of the Mendi-Tambul road section.

# 1. Positive Impacts

100. Generation of Employment Opportunities -- During construction, the project will generate employment opportunities to the affected tribes and clans. The social condition in PNG is unique in the sense that there is a very strong personal identification with the tribe and clan. The social conditions in the project site would make it very difficult for the contractor to ignore the affected persons who would be desirous to work in the project. It

would doubly difficult if the winning contractor would hire foreigners whose skills are locally available. This would create a serious social backlash against the contractor and would sour any potential cooperative relationship between the direct stakeholders and the contractor. It would not also be remote that district and provincial officials' cooperation would be severely tested because these officials would also be recommending their own set of people as workers to reinforce their high social position within their tribes because of their positions in government.

- 101. DOW shall ensure that the winning contractor shall hire local laborers based on the distribution of the tribes and clans along the road section to minimize any social conflicts. The affected tribes and clans have permitted the use of their customary land and it is appropriate and their expectations that the members of the affected tribes and clans are hired in their sections of the road project.
- 102. During the maintenance period (10 years), the road contractor will also be responsible for the maintenance for the whole 55.53 km road section. This will require some maintenance teams that will be distributed along this road section and these teams will be composed of members who live along the road section to facilitate the performance of their maintenance works.
- 103. Generation of Business and Livelihood Opportunities -- This project will generate business and livelihood opportunities in the RIZ especially to the direct stakeholders. The contractor will establish construction camps, quarry sites, motor pools, living quarters and other construction related facilities. Necessarily, these will be manned by the personnel and workers of the contractor who will all require food, shelter, clothing and personal services. Farmers would have a ready market for their agricultural products because of their proximity to the buyers. Tribes and clans owning tree species for timber would have a ready market because the facilities and the actual construction would require a considerable volume of timber. Tribes whose customary lands have been previously identified as potential sources of aggregates will receive compensation from the contractor in exchange for extracting quarry materials from their lands.
- 104. *Increase in Commercial Activities* -- The road project will increase commercial activities along the road section because of the expected increase of travelers and transport operators who would be using the road because of better driving conditions. Necessarily, businesses connected with the transport sector will be established to exploit the new business opportunities along the road section such as gasoline stations, road side vending, eateries and refreshment parlors, repair and vulcanizing shops.
- 105. Improvement in Lifestyle and Culture -- The upgrading and rehabilitation of the Mendi-Tambul road will hasten the change in the lifestyle and culture of the members of the different tribes and clans living along this road section. The frequency of exposure and interaction of members of a tribe with different tribes is expected to increase because of better road conditions. Frequency of exposure to different cultures usually fosters tolerance if not understanding and this will assist in the process of assimilation and integration wherein inhabitants of PNG will see themselves as members of a nation and not just members of a tribe or clan.
- 106. Improve Access to Power and Water -- It is expected that the upgrading and rehabilitation of the Mendi Tambul road section will encourage the utility companies supplying electricity and water to provide these facilities to households living along the road section. It must be pointed out that a primary requirement for these utility companies is accessibility to their franchise areas. It would be next to impossible to provide electricity or water to areas where their trucks and service vehicles cannot go. This project will provide the technical platform to seriously consider the provision of these services. It is up to these

companies to also consider other factors such as population density, business and commercial activities, income level, etc in their decision provide such services.

- 107. Better Access to Markets -- The project will create better access to town centers especially on the middle section of the road where access is problematic. An all- weather road would mean better continuous access during rainy season and would improve household income (Manus 2009) because households are able to transport their agricultural produce easier and faster to the markets because of improve road conditions. The residents of the RIZ of the Mendi-Tambul road would have better opportunities to find wage employment in the urban center of Mt. Hagen and/or Mendi because of easier and faster travel time. In many of the road improvement projects, the fares did not reduce but the benefits derived were the time saved during each trip.
- 108. Improvement in Health Services -- It is expected that the Mendi-Tambul road project will improve the health services in the RIZ. The association between better health and roads is based on the quality of the linkage between the village and the place where health services, both treatment and prevention, is being offered. The better the quality of the road and the more cash the smallholder has to spend, the more likely health care will be sought and received for themselves and their children. Some health services are itinerant, MCH clinics being one example. The better the quality of the road, the more likely the service will be offered regularly at the village level. Finally, many health services depend upon the regular and timely delivery of medicines, bandages and vaccinations to the aid post or health centre, and on the effective supervision and administration of health service staff.
- 109. Better Educational Services -- The Mendi Tambul road project will improve the quality of education available in the road section. Education services are less dependent on the regular delivery of supplies but do depend on effective supervision of teachers, the delivery teaching materials and the teachers' access to urban services. Teachers in isolated areas can spend many days every month traveling between their school and an administrative centre, days that they are absent from the classroom.
- 110. Assist in Poverty Alleviation -- The project will assist in poverty alleviation in the Southern and Western Highlands Provinces. An assessment of the general importance of roads in PNG is contained in the World Bank's study of poverty (Huppi and Gibson 1999). This report argues, "Access to transport infrastructure is an important determinant of economic welfare in PNG". It bases this statement on an expenditure and consumption survey that found that the "poor" travel three times longer than the "non-poor" to reach the closest road. It concluded that "one hour decrease in traveling time to the nearest transport facility reduces real consumption by 10 percent. This suggests that measures which improve rural communities' access to transport infrastructure will be an important aspect of poverty alleviation in PNG' (Huppi and Gibson 1999, 38)."
- 111. *Improve Household Income* -- The relationship between poverty and markets exists because smallholder incomes depend almost entirely on the sale of export crops and fresh foods. To sell these commodities, smallholders must be able to transport them to a point of sale relatively cheaply and efficiently. In the case of some export crops, the point of sale is the 'farm gate' (the village). The mobile buyer travels to the village in a vehicle and carries the commodity back to an urban place of processing or aggregation and eventual export. In the case of the sale of fresh foods in urban markets, it is the smallholder who travels with the commodity. Either way, the condition of the road connection between the village and the point of sale is critically important.

#### 2. Negative Impacts

- 112. Loss of Land -- The project will require an additional 61.5 hectares of land on both sides of the existing road to rehabilitate and upgrade the Mendi-Tambul road. The land impact of the project is expected to trigger the release of idle tribal lands as substitute lands in favor of the affected households. The location, size and fertility of the substitute lands will be determined by the tribal elders and leaders taking into consideration the conditions and sizes of these affected lands.
- 113. The project will also affect some structures, trees, crops, graves and other assets of affected persons. These impacts have been addressed in this RP. The affected customary lands will be permitted to be used by the tribes and clans who owned the customary lands in exchange for public infrastructure while the affected assets will be compensated at replacement cost.
- 114. Loss of Houses and Other Structures Almost all of the affected houses and other structures are made of bush materials which are abundant in the project area. The major cost of constructing these structures is the cost of harvesting, hauling, cutting and installation of these bush materials. Traditionally, the perception of these structures are only temporary, the duration of which is co-terminus to the durability of the bush material used. Seldom will structure owners undertake major repairs because culturally, they will just wait for the structure to deteriorate and construct a new structure in lieu of the dilapidated structure because it would be more onerous to repair than to build a new structure in light of the availability of bush materials in their areas.
- 115. Unlike permanent structures where their productive lifespan would reach more than 30 years, the road project just shortens and limits the length of time when the bush structure would continue to be useful to the owner/occupant by a few years for newly built structures and maybe less than a year for old and dilapidated ones.
- 116. Without the project, they will be expected to replace at their own expense the houses as they become old and dilapidated. However, because their structures cannot be avoided but be affected by the road project, they will be compensated at full replacement costs, and in some cases, even if the remaining lifespan of the affected structure is less than a year. This is more than restore the condition where the AP was before the project.
- 117. In summary, for the affected structure made of bush materials, if the affected structure is new, the compensation is approximately equal to the cost of building the structure. The older the affected structure, the more advantageous to the affected structure owner because there is greater difference between the compensation due and the present worth of the affected structure.
- 118. Loss of Graves Sites and Graves Based on customs and traditions in the highlands, there is no western concept of a cemetery or memorial park which would contain the human remains of the dead in a certain political jurisdiction. In the highlands, the dead are buried within their customary land, usually very near the residence of the deceased, wherein the spirits of the dead would watch and protect their living relatives. The nearest similarity to the western concept of a cemetery is grave site within the customary land where the dead of a specific clan within a tribe are all buried. The interment of the members of the tribe within their customary land strengthens and reinforces their attachment to the land. The graves served as monuments to their tribal history including their victories and defeats. Customary land is usually not sold except for some legal exceptions because of the intrinsic value to their cultural history which are attached with the land. In cases of territorial conflicts with the adjacent tribes, the existence of the graves is evidence of their boundaries and would support their claims in the land dispute.

- 119. The relocation of graves and grave sites is enveloped by cultural beliefs in the project area. It is believed that the spirits of the dead are still in the area and if there is no proper showing of respect for the dead through the celebration of proper rituals, the dead will get angry with the living relatives and bad things might happen to them. The relatives of the dead that will be relocated because of the project will insist that these rituals including sacrificing pigs to appease the dead should be properly observed.
- 120. The materials used in a grave indicate the social status of the deceased and the nature of his/her occupancy over the land. Graves with permanent structures indicate that the deceased had a high social position when he was still living, usually a tribal leader, member of parliament, government official. The simpler the materials used in a grave usually indicate a lowering of the social status of deceased. Unmarked graves usually indicate temporary occupation of the land, usually during tribal warfare when there is no time to construct elaborate graves.
- In summary, the loss of graves and grave sites has great cultural significance because the graves are their connections to their ancestors. In the face of changing socioeconomic and political environments and their consequential anxieties, their connections with their ancestors are the stabilizing factor that holds their tribe together. The graves also serve as their testimonial to the commonality of ancestry between the clans and sub-clans.
- Loss of Fences In the western concept, fences usually indicate the extent of one's ownership to a property. In the highlands, the prevailing property regime is communal ownership. The tribes are the owners of the land and the members of a tribe occupy a certain portion of the tribal land in the concept of usufruct from the tribe.
- The primary purpose of fences in the project area is not to delineate ownership but to prevent farm animals in destroying the food gardens which are the primary source of food for the affected households. Most of the time, the fences are made out of shrubs, bush materials, make-shift materials and pig wire, indicating impermanence of the fences. In comparison, fences of schools and churches in the project area are made of permanent materials, usually cyclone wires or hallow blocks which denote a certain degree of permanency. If the food gardens are in the state of fallow, allowing the land to recover its fertility, the fences that protect these food gardens are abandoned because the fences have already served their purpose.
- Loss of Perennial Trees and Plants The affected trees can be subdivided into fruit trees and timber species. The compensation for the loss of trees (depending on the specie. age and/or diameter) is governed by the Valuer's General Schedule of Compensation (2008). The rates have been updated by a replacement cost survey engaged by DOW to comply or approximate the current market prices.
- The effects on the loss of fruit trees to the APs are immediate because the fruits are either sources of food or sources of income for the current harvest year. Hence the loss of the fruit trees has an immediate reducing effect on household income. Compensation in this instance is to compensate for the lost income that will be derived from these fruit trees.
- There is a unique role the timber trees play on household income. Similar to pigs in almost of PNG cultures, timber trees are viewed as instruments of household savings similar to depositing money in a bank. They just let these trees grow, attaining commercial value and these are like money in banks, ready to be cut down to be sold to address cyclic annual expenses such as enrollment or emergencies like payment of compensation or medical expenses. The loss of these timber trees has no immediate effect on household income but would adversely affect the financial capabilities of households during emergencies and annual recurring expenses. Inversely, during tribal conflicts, timber trees are specially targeted by the opposite tribe, either cut and/or burned to deprive their enemies of these

assets and prolong the economic recovery time after the conflict. Compensation in this instance is to provide for the funds in cases wherein there are emergencies and/or recurring annual expenses.

- 127. Loss of Annual Crops Annual Crops are defined as plants and shrubs whose economic products can be harvested within a year. These include almost all of the crops that are cultivated in the traditional food gardens of the affected areas. It is a policy of the project to permit as possible the harvesting of the products before possession for the construction project is taken over by the contractor. In this instance, there will be no compensation because there was no loss, the agricultural products having been harvested and made use of the owner before possession of the contractor.
- 128. It is a traditional practice for households to have multiple food gardens following their agricultural concept of resting the land to recover the fertility of the soil. It is also a survival strategy to have a continuous supply of food in the event that there is crop failure in one food garden. Hence, in the event that the road project will affect their food gardens, the affected households still have other food sources.
- 129. Sufficient to say, the compensation for lost assets are fully adequate because the rates are now based on the present market value. Hence, at this juncture, the conditions of the affected households have been fully restored.
- 130. The project may also have some adverse social impacts. In D'Cruz's (1990) study of the construction of the Mendi-Koroba Road it was found that most people viewed the road as being a positive development. However, there was evidence that problems of health, law and order, gambling and alcohol consumption increased. Settlements moved to be closer to the road, the value of compensations for deaths and injuries increased, the road was used to move warriors to fights faster, inter-personal fights and theft increased, the rate of STD infections increased significantly. These social problems that may possibly arise from the project should be addressed by frequent police presence in the road section and active interventions of local officials. A separate project but part of this program includes an STD/HIV education and awareness campaign.
- 131. Environmental and health-related impacts may also occur because of the project. Earth-moving and use of heavy motor equipment during the construction and maintenance phase may cause people near the road and in adjacent settlements to inhale or ingest smoke and dust, experience noise pollution, and face higher risk of accidents. In this regard, the DOW together with the LLG and village leaders will: (i) conduct timely and effective public information dissemination on the schedule of construction and maintenance work so that the people will take proper precautions, (ii) come up with health bulletins/information to avoid or at least minimize hazards caused by smoke, dust, and noise pollution, and (iii) compel the contractor and workers to exercise safety measures (e.g., setting up of early warning devices, avoid or minimize massive earthwork. A separate environment assessment report includes relevant measures on management of environmental issues.

# V. INFORMATION DISCLOSURE, CONSULTATION AND PARTICIPATION

# A. Consultations During Project Preparation

- 132. In compliance with GoPNG and ADB policies and priorities, the HRRIIP will ensure a transparent and accountable process for land acquisition as required in upgrading, rehabilitating and maintaining roads in the Highlands Highway network. Dissemination of information and consultation with stakeholders has occurred at different points in the preparation and implementation of the Mendi-Tambul road project to ensure that affected people (APs) and other stakeholders have timely information about land negotiation and compensation. The DOW through its consultants working in collaboration with Provincial Administrations (PA) and local authorities has organized consultation activities to disseminate project information and elicit their issues and concerns as well as their opinions regarding the project.
- 133. The project team composed of DOW consultants and staff held consultations in SHP with provincial and district authorities, as well as representatives of Provincial AIDS Councils, Provincial and District Women's Councils, development enclaves, private business houses, local radio stations, NGOs and community organizations. Community consultations and women's focus groups were conducted in several villages on each of the T2 roads including the Mendi-Tambul road section.

# B. Consultations During RP Preparation

- 134. Based on the assessment of the project, the key provincial stakeholders identified for Mendi-Tambul road project include the Provincial Governor, Provincial Administrator and/or Deputy, Provincial Community Development Officers, Provincial Lands Officer, Provincial Women Representatives, Department of Works Manager, Department of Works Principal Advisor for Technical Division, Engineers Representative, Department of Primary Industry and Provincial Value Officer.
- 135. In the district and LLG levels, the key people identified include the Local Level Government (LLG) Ward Counselors, Village Court Officials, Women and Youth Leader Representatives, Church Groups, Affected People Leaders, Civic and NGO organization groups.
- 136. The primary stakeholders are the directly affected households whose lands and assets will be affected by the project. The roadside communities and villages located along the Mendi-Tambul road section are also classified as primary stakeholders and their active participation and support are crucial for the success of the project. Secondary stakeholders are residents of villages and communities that are located in the interior areas of the road alignment within the RIZ.
- 137. The HRRIIP resettlement and land acquisition teams provided information about the project. These information may be summarized into the following categories; (a) project information, (b) project benefits, (c) safeguard policies, (d) detailed engineering design, (e) detailed measurement survey, (f) socio-economic survey, (g) resettlement plan, (h) grievance redress mechanism, (i) project ownership and (j) project monitoring.
- 138. In addition, they also conducted a series of project information dissemination and public consultations with the provincial and district authorities, council wards and residents of the affected areas. The Public Consultations were held on the following dates and locations:
  - 03 August 2011 Tende 1 Enep (Tende, Koin, Paia Maunten, Timipa, and Enep V)
  - 04 August 2011 Kundaka and Komia Villages

- 05 August 2011 Laigam and Lama Villages (last village WHP/SHP border)
- 139. On 03 August 2011, the Project Team met the stakeholders, village elders/leaders, Local Government Officials and other concerned parties in five (5) different locations namely: Tende, Koin, Paia Maunten, Timipa, and Enep Villages and disclosed to them the inclusion of the Mendi to Tambul Road in the Highlands Region Road Improvement Investment Program (HRRIIP).
- 140. The Project Team presented and defined to them the scope as well as explained the need for the rehabilitation of the said roadway. The participants were informed the scope of the Program and the particular sub-project, the possible positive and negative social impacts of the project and the requisite mitigating measures that will be established to enhance the positive impacts and minimize, or if at all possible eliminate, the adverse impacts of the proposed development. Issues and concerns were also elicited from the participants and perceptions were properly noted by the Project Team.
- 141. This activity was again undertaken on 04 August 2011 in the villages of Kundaka and Komia and on 05 August 2011 in Laigam and Lama Villages (last village before the WHP/SHP border). All in all, more than 170 stakeholders participated in 9 village consultations and strongly endorsed the road project.
- 142. Unanimous support was expressed by the participants for the upgrading, rehabilitating and maintaining roads in the Mendi-Tambul due to a wide range of economic and social benefits (e.g., rehabilitation of coffee gardens, diversification of coffee factories, expansion of cash cropping for wider markets because of improved accessibility, reduced cost for transport of goods, and better access to health care, education and other services, improved family ties and social network, among others) identified by the participants. Women understand that road improvements offer them particular benefits related to their responsibilities to grow food, opportunity to engage in businesses, and better care for the health and education of their children.
- 143. The second scheduled community consultations have been undertaken while the actual detailed measurement survey (DMS) was being undertaken. It was announced that the cut-off date is the date where the DMS survey for the whole road section was completed (June 12, 2013). Assets introduced after the cut-off date are not eligible to be compensated.

# C. Public Disclosure of RP for Sub-Project

- 144. This RP has been properly endorsed and disclosed by DOW to concerned national and local government agencies, communities and to directly affected persons before DOW's submission to ADB. Summary of the RP will be translated into Pidgin, one of the official languages of PNG and the full RP posted in both ADB and DOW websites prior to the project appraisal.
- 145. The HRMG staff and local resettlement specialists have conducted meetings with the APs, tribal leaders, provincial, district and ward officials as well as the relevant government agencies as part of the disclosure process to acquaint them of the substance and mechanics of the RP. These HRMG staff and local consultants will assist in the actual implementation of the resettlement plan.

#### VI. GRIEVANCE REDRESS MECHANISM

#### A. Traditional Grievance Redress Mechanism in PNG

146. PNG is the most culturally diverse country in the world, having more than 800 languages and cultures. PNG has three levels of government. These are national, provincial and local levels. Although the government structure is patterned after the Western political system, PNG still upholds its traditional modes of communication and grievance redress through these three recognized structures. The national, provincial and local levels of government have their own elected leaders both men and women who have the responsibility of representing their communities. These people are recognized and respected leaders who carry out allocated functions. Within these levels there are other recognized people such as the community church pastor, community law person, civic organization, women leaders, or recognized NGO worker. These people are selected to help resolve complaints and grievances.

#### **B. Grievance Redress Mechanism for HRRIIP**

- 147. A grievance redress process will be established to ensure that all AP grievances on any aspect of the rights to use additional land and/or compensation for affected assets are resolved in a timely and satisfactory manner. The grievance redress mechanism will apply equally to the negotiation of the MOA. APs will be made fully aware of their rights (both verbally and in writing) and informed how they can access to the grievance redress mechanism.
- 148. APs can initiate a project related complaint by filing a written or oral compliant addressed to HRMG as the implementing agency. Within 5 days upon receipt of complaint, the HRMG will furnish a written summary of the complaint to the AP, provincial land officer and/or district land officer and the tribe/clan where the AP belongs with a notice of a conciliation meeting not later than 10 days from the receipt of the complaint of the AP.
- 149. During the meeting, HRMG will receive, clarify and simplify the issues involved and would try its best efforts to resolve the issues involved which would be acceptable to the AP and DOW. If there is no agreement reached, HRMG may schedule a final conciliation meeting to provide both parties the final opportunity to re-think and consolidate their positions.
- 150. The schedule of the final hearing should be not more than 10 days after the first hearing. Both parties may re-negotiate the offer made during the first hearing and may introduce new arguments and evidences to support their respective positions. After the summation of their respective positions, the HRMG shall decide the issues involved based on the policies governing HRRIIP, prevailing laws of PNG and customary laws of the place where the dispute arose.
- 151. If the AP is not satisfied with the HRMG's decision, the AP may then take the grievance to the PNG judicial system. In this case, HRMG and DLO will hold the compensation amounts in escrow. Compensation will be paid in full upon final resolution of the case in the courts or other forum, in accordance with the entitlements of the affected person as decided by the court of competent jurisdiction.
- 152. The Land Disputes Settlement Act establishes judicial procedures for resolution of landownership disputes on customary land. It has a mediation process whereby a designated mediator meets with the disputing parties to resolve grievances. This process is

closely allied with the village court system and traditional mediation procedures that draw on the skills of recognized local leaders and elders.

#### VII. LEGAL FRAMEWORK

- 153. The policy framework and entitlements for land acquisition/resettlement are based on the laws, regulations and policies of the Government of Papua New Guinea (GoPNG) and the ADB safeguard policy. The principal PNG laws include: (i) the 1975 Constitution; (ii) the 1996 Land Act; (iii) the 2000 Land Disputes Settlement Act; (iv) Fairness of Transaction Act (1993), (v) Land Group Incorporation (Amendment) Act (2009), and (vi) Customary Land Registration Act (2009).
- 154. While T1 was prepared under the ADB Policy on Involuntary Resettlement (1995), T2 including this sub-project and subsequent tranches will follow ADB's Safeguard Policy Statement 2009 (SPS).

#### A. PNG Legal Framework

- 155. Majority of the lands in PNG are classified as customary lands wherein specific territories are owned or vested on the clans. Clan members or "primary right holders" are co-owners of their customary lands with the right to use but not to alienate or sell the lands. They own/possess these lands as stewards for future generations. Land ownership and use is an integral part of the identity, the sustenance and the social relations of clans; property rights are inherited from ancestors and maintained in trust for future generations. The State has no authority over customary land other than the provisions of the Land Act to acquire customary land for public purposes or negotiate with customary landowners on land use.
- 156. During the colonial administration, the 1963 Customs Recognition Act stated that "custom shall be recognized and enforced by, and may be pleaded in, all courts…" (Art. 3(1) (a)). Following independence, these principles were reaffirmed in the Constitution and subsequently elaborated in the 2000 Underlying Act. Customary law is defined as the rules, rights and obligations pertaining to an individual or group by custom and tradition; and, according to the 2000 legislation, shall apply and be recognized by the courts where written and underlying laws do not apply and except as it is inconsistent with written law.

#### 1. PNG Constitution

- 157. The 1975 Constitution explicitly provides for the adoption of custom as part of the underlying law of PNG (Schedule 2), thus recognizing the property rights attached to customary land. During the colonial administration, the 1963 Customs Recognition Act stated that "custom shall be recognized and enforced by, and may be pleaded in, all courts..." (Art. 3(1) (a)). Following independence, these principles were reaffirmed in the Constitution and, subsequently, in the 2000 Underlying Act. Customary law is defined as the rules, rights and obligations pertaining to an individual or group by custom and tradition; and, according to the 2000 legislation, shall apply and be recognized by the courts where written and underlying laws do not apply and except as it is inconsistent with written law.
- 158. The Constitution also guarantees the right of PNG citizens to protection from unjust deprivation of property (Art. 53). No land or interest in land may be acquired compulsorily by the State except as it is required for public purposes or other justifiable reasons. Moreover, in the event of expropriation of land, "just compensation must be made on just terms by the expropriating authority" (53(2)).

#### 2. 1996 Land Act

159. The Land Act (No. 45 of 1996) sets out the conditions and procedures for the State to acquire customary land required for public purposes such as roads, tracks, bridges, culverts and quarries. These legal provisions and procedures apply to the acquisition of land and assets by the State, legally owned/leased by other parties (persons) than the State. PNG does not avail of any national, provincial or local government policies for relocating and resettling people. Acquisition of land and assets by the State for public purposes and the related legal procedures, compensations, and the legally defined procedures for appeals, grievance redress, etc. are all arranged for under the Land Act 1996.

#### 3. Land Dispute Settlement Act

160. The Land Disputes Settlement Act (No. 10 of 2000) was initially adopted in 1975. It sets out rights and procedures related to the resolution of disputes involving customary land. It recognizes as parties to these disputes, customary kinship groups, customary descent groups and customary local groups or communities (S2). It also requires that proceedings take into account relevant customs (S35 (1) (d). The Act provides for the establishment of a Provincial Land Disputes Committee, as well as Land Courts at the local (LLG), district and provincial levels. The Committee can appoint land mediators for specified land mediation areas where disputes occur; a mediator may be the Local Land Court Magistrate (LLCM), a Village Magistrate, a Local Councilor or other senior person of good standing with the litigants. The Act promotes a process for resolution of land disputes through (i) a first step of mediation; if mediation fails, it is followed by (ii) appeal to the designated courts. The mediation process is based on the principles of traditional dispute settlement in PNG.

#### 4. Fairness of Transaction Act of 1993

161. The Fairness of Transaction Act of 1993 relates to the effect of certain transactions, to ensure that they operate fairly without causing undue harm to, or imposing too great a burden on, any person, and in such a way that no person suffers unduly because he is economically weaker than, or is otherwise disadvantaged in relation to, another person. The purposes of this Act are to (a) ensure the overall fairness of any transaction which (i) is entered into between parties in circumstances where one party is for reasons of economic or other advantage predominant and the other is not able to exercise a free choice; or (ii) for one reason or another, without attaching any evil design or bad faith, appears to be manifestly unfair or not to be genuinely mutual; and (b) allow for the re-opening and review of any transaction irrespective of fault and validity, enforceability or effect of any agreement; and (c) ensure the fair distribution and adjustment of rights, benefits, duties, advantages and disadvantages arising out of a transaction. Transaction means any contract, promise, agreement, dealing or undertaking of an economic or commercial nature whether supported by consideration or not entered into between parties, and includes (a) an informal, complete or incomplete transaction; and (b) a transaction governed by customary law.

# 5. Land Group Incorporation (Amendment) Act and Voluntary Customary Land Registration Act

162. These Acts were brought into effect in 2011, following recommendations from the National Land Development Taskforce. The Acts recognize the corporate nature of customary groups and allow them to hold, manage and deal with land in their customary names, and for related purposes. These also facilitates the voluntary registration of customary land, to be known as "registered clan land", and makes that land available for development through the use of Incorporated Land Groups (ILGs). These laws encourages (a) greater participation by local people in the national economy by the use of the land; (b) better use of such land; (c) greater certainty of title; (d) better and more effectual settlement

of certain disputes;(e) legal recognition of the corporate status of certain customary and similar groups, and (f) conferring on them, as corporations, of power to acquire, hold, dispose of and manage land, and of ancillary powers; and (g) encouragement of the self-resolution of disputes within such groups.

## B. ADB Safeguard Policy Statement (SPS)

- 163. The Safeguard Policy Statement (SPS) became effective and applicable in January 2010. The SPS was formulated to address the emerging challenges of development, respond to lessons learned from its experience with its old safeguard policies, and adapt to its new lending modalities and financing instruments. Under an MFF arrangement such as the HRRIIP, if the management review on any tranche is done after the effectivity of the SPS, the tranches are governed by the SPS. This means that the applicable ADB policy on involuntary resettlement for tranche 2 (T2) and subsequent tranches will be the SPS.
- 164. The SPS, Safeguard Requirements 2: Involuntary Resettlement aims to avoid or minimize the impacts on people, households, businesses and others affected by the land acquisition required by a project. The scope of the policy includes physical and economic displacement as a result of (i) involuntary acquisition of land, (ii) involuntary restriction on land use and (iii) involuntary restriction of access to legally protected areas. The objectives are to: (i) avoid involuntary resettlement wherever feasible, and minimize involuntary resettlement through assessing project alternatives and alternative project designs. (ii) enhance or at least restore the livelihoods of all affected people (APs) in real terms relative to pre-project levels and improve the standards of living of the affected poor and other vulnerable groups.
- 165. The SPS's policy principles on involuntary resettlement are as follow: (1) Screen early and assess resettlement impacts; (2) Carry out consultations with APs and develop a grievance redress mechanism; (3) Improve/restore livelihoods of APs through land-based strategies, replacement of lost assets, compensation at replacement cost, and additional benefits, as appropriate; (4) Provide appropriate assistance to physically displaced APs; (5) Improve living standards of poor APs and other vulnerable groups; (6) develop transparent procedures for negotiations; (7) provide assistance and compensation to non-titled APs for loss of non-land assets; (8) Prepare RPs; (9) disclose RPs to APs and other stakeholders and document the consultation process; (10) conceive and execute resettlement as part of the project; (11) deliver entitlements to APs before their physical or economic displacement; and (12) monitor and assess resettlement outcomes.
- 166. The ADB Accountability Mechanism Policy (2012) provides an independent and effective forum for people adversely affected by ADB-assisted projects to voice their concerns and seek solutions to their problems, and to request compliance review of the alleged non-compliance by ADB with its operational policies and procedures that may have caused or is likely to cause, them direct and material harm. It consists of two separate but complementary functions: (i) the problem solving function led by the Special Project Facilitator who will respond to problems of local people affected by ADB-assisted projects through a range of informal and flexible methods; and, (ii) the compliance review function led by the Compliance Review Panel to investigate alleged non-compliance by ADB with its operational policies and procedures that has caused or are likely to cause, direct and material harm to project-affected people. The relevant ADB operations department has the initial responsibility to respond to the concerns of affected people in coordination with project executing agencies.

## C. Gaps between PNG Laws and ADB's SPS and Gap-filling Measures

167. The following Table 26 Gaps and Gap Filling Measures provides the comparison of PNG laws and ADB SPS requirements on land acquisition and resettlement, the assessment of equivalence or gaps between ADB SPS and PNG laws, and gap-filling measures for HRRIIP.

TABLE 26 GAPS AND GAP FILLING MEASURES

	SLE 20 GAPS AND GAP FILLI		
ADB SPS Requirements on Involuntary Resettlement	PNG Laws on Land Acquisition/Resettlement	Equivalence or Gaps between ADB SPS and PNG Laws	Gap-filling Measures
Avoid involuntary resettlement wherever possible. Minimize involuntary resettlement by exploring project and design alternatives.	The National Constitution (NC) National Goal 5(4) calls for 'traditional villages and communities to remain as viable units of Papua New Guinean society'. Section 53 protects citizens from 'unjust deprivation of property' by limiting the justification for compulsory acquisition by the State.	No explicit reference to the need for avoidance or minimizing resettlement impacts.	The RP has adopted measures to avoiding/minimizing land acquisition.
Enhance, or at least restore, the livelihoods of all displaced persons in real terms relative to pre-project levels. Improve the standards of living of the displaced poor and other vulnerable groups.	General principles of compensation for damage or destruction of physical and economic assets are set out in NC s.53, Land Act (LA) s.23.	PNG Laws do not prescribe measures of replacement cost or restore/improve standard of living.	The RP includes measures on compensation at replacement cost for affected assets and to restore/improve living standard of APs.
Screen the project early on to identify past, present, and future involuntary resettlement impacts and risks. Determine the scope of resettlement planning through a survey and/or census of displaced persons, including a gender analysis, specifically related to resettlement impacts and risks.	LA sets out the process for Land Investigation Report which includes identification of affected clans/tribes and their assets.	No specific requirements for census, cut-off date, impact assessment and resettlement planning.	The RP is based on survey/census, defined cut-off-date, and assessment of impacts.
Carry out meaningful consultations with APs, host communities, and concerned NGOs. Inform all displaced persons of their entitlements and resettlement options. Ensure their participation in planning, implementation, and monitoring and evaluation of resettlement programmes. Pay particular attention to the needs of vulnerable groups, especially those below the poverty line, the landless, the elderly, women and children, and Indigenous Peoples, and those without legal title to land, and ensure their participation in consultations.	NC National Goal 2(9) calls for every citizen to be able to participate, either directly or through a representative, in the consideration of any matter affecting his interests or the interests of his community.	No specific provisions for preparing and implementing RP based on meaningful consultations with APs, including the poor, the landless, elderly, women, and other vulnerable groups	The RP is based on and describes measures on consultations with APs, including vulnerable groups, during preparation and implementation of the RP.
Establish a grievance redress mechanism to receive and facilitate resolution of the affected	Land Disputes Settlement Act provides for measures on resolution of disputes and	No requirements for a project-specific grievance	The RP includes measures on project-specific grievance redress mechanism.

ADB SPS Requirements on Involuntary Resettlement	PNG Laws on Land Acquisition/Resettlement	Equivalence or Gaps between ADB SPS and PNG Laws	Gap-filling Measures
persons' concerns. Support the social and cultural institutions of displaced persons and their host population. Where involuntary resettlement impacts and risks are highly complex and sensitive, compensation and resettlement decisions should be preceded by a social preparation phase.	grievances through both local mediation as well as court process.	redress mechanism.  No specific requirement for a social preparation phase for highly complex and sensitive projects.	The project is not expected to involve highly complex and sensitive projects, so it is not needed to have a separate phase.
Improve, or at least restore, the livelihoods of all displaced persons through (i) land-based resettlement strategies when affected livelihoods are land based where possible or cash compensation at replacement value for land when the loss of land does not undermine livelihoods, (ii) prompt replacement of assets with access to assets of equal or higher value, (iii) prompt compensation at full replacement cost for assets that cannot be restored, and (iv) additional revenues and services through benefit sharing schemes where possible.	Principles of compensation set out in NC s.53, LA s.23.	No specific requirement for land-based resettlement, replacement of assets, compensation at replacement cost, and benefit sharing.	The RP includes measures of onsite relocation/replacement of affected structures, compensation at replacement cost for affected assets on additional land and priority of project employment to APs.
Provide physically and economically displaced persons with needed assistance, including the following: (i) if there is relocation, secured tenure to relocation land, better housing at resettlement sites with comparable access to employment and production opportunities, integration of resettled persons economically and socially into their host communities, and extension of project benefits to host communities; (ii) transitional support and development assistance, such as land development, credit facilities, training, or employment opportunities; and (iii) civic infrastructure and community services, as required.	PNG allow people eligible for compensation to receive their entitlements in cash.	PNG laws have no specific provisions on relocation, transitional support and civil infrastructure and services.	The RP includes measures on-site relocation of affected structures to the adjoining land and transitional allowances.
Improve the standards of living of the displaced poor and other vulnerable groups, including women, to at least national minimum standards. In rural	NC and LA include general principles of compensation for damages or losses.	PNG Laws do not prescribe measures on improvement of living standard and	The RP includes measures on restoration/improvement of livelihoods APs. The RP identifies specific number of such APs and additional assistance to them.

ADD CDC Demission and	DNO I ama an I ama	Equivalence or	Gap-filling Measures
ADB SPS Requirements on Involuntary Resettlement	PNG Laws on Land Acquisition/Resettlement	Gaps between ADB SPS and PNG Laws	
areas provide them with legal and affordable access to land and resources, and in urban areas provide them with appropriate income sources and legal and affordable access to adequate housing.		restoration of livelihoods.	
Develop procedures in a transparent, consistent, and equitable manner if land acquisition is through negotiated settlement to ensure that those people who enter into negotiated settlements will maintain the same or better income and livelihood status.	NC National Goal 2(9) calls for 'every citizen to be able to participate, either directly or through a representative, in the consideration of any matter affecting his interests or the interests of his community'.  LA sets out procedures for outright purchase or lease.  The Land Group Incorporation Act and Voluntary Customary Land Registration Act enable incorporation of land groups and to register titles to customary land. These laws allow negotiated lease or transfer of such land.  The Fairness of Transaction Act sets out rules on fairness of transactions.	PNG Laws do not specifically require third-party verification of negotiated agreement.	The RP describes procedures of the negotiation on use of additional land with landowner groups resulting in memoranda of agreement (MOA) to be verified by a third-party. The RP includes MOAs signed with respective landowner groups.
Ensure that displaced persons without titles to land or any recognizable legal rights to land are eligible for resettlement assistance and compensation for loss of nonland assets	LA s.13-15 provides some entitlement to compensation to any people with 'an interest' in land over which the State exercises its power of compulsory acquisition.	PNG Laws do not provide entitlement to non-titleholders who do not have legal interest on land.	The entitlement matrix for the project provides for resettlement assistance and compensation for non-land assets to non-titled APs without legal interest.
Prepare a resettlement plan elaborating on displaced persons' entitlements, the income and livelihood restoration strategy, institutional arrangements, monitoring and reporting framework, budget, and timebound implementation schedule.	NC National Goal 2(3) calls for 'every effort to be made to achieve an equitable distribution of incomes and other benefits of development among individuals and throughout the various parts of the country'.	PNG Laws have no provision of preparing RP.	The RP has been prepared describing APs entitlements and other relevant measures.
Disclose a draft resettlement plan, including documentation of the consultation process in a timely manner, before project appraisal, in an accessible place and a form and language(s) understandable to affected persons and other stakeholders. Disclose the final resettlement plan and its updates to affected persons and other stakeholders.	NC National Goal 2(9) calls for 'every citizen to be able to participate, either directly or through a representative, in the consideration of any matter affecting his interests or the interests of his community'.	No specific requirements on disclosures.	The RP includes disclosure measures, including posting of RP and RPs on ADB website, providing clan leaders/APs with a summary RP or information brochure in a local language.
Conceive and execute involuntary	No equivalent provision	Gap.	Land acquisition/resettlement costs

ADB SPS Requirements on Involuntary Resettlement	PNG Laws on Land Acquisition/Resettlement	Equivalence or Gaps between ADB SPS and PNG Laws	Gap-filling Measures
resettlement as part of a development project or programme. Include the full costs of resettlement in the presentation of project's costs and benefits. For a project with significant involuntary resettlement impacts, consider implementing the involuntary resettlement component of the project as a stand-alone operation.			have been included in the RP and will be financed out of the project cost.
Pay compensation and provide other resettlement entitlements before physical or economic displacement. Implement the resettlement plan under close supervision throughout project implementation.	No equivalent provision	Gap.	The RP includes measures on payment of compensation for affected assets before start of civil works on affected land. The RP includes implementation schedule accordingly.
Monitor and assess resettlement outcomes, their impacts on the standards of living of displaced persons, and whether the objectives of the resettlement plan have been achieved by taking into account the baseline conditions and the results of resettlement monitoring. Disclose monitoring reports.	No equivalent provision	Gap.	The RP includes monitoring measures, including requirements of semi-annual safeguard monitoring report by EA and third party monitoring.

## D. Resettlement Principles for the Project

168. This RP has been developed as per ADB's Safeguard Policy Statement (SPS) and the pertinent laws of Papua New Guinea. Where the laws of PNG are not clear, a project-specific set of resettlement principles consistent with ADB policy has been adopted. The resettlement objectives and policy principles for HRRIIP are as follows:

- Land acquisition and resettlement will be avoided or minimized through careful engineering design.
- APs will be consulted meaningfully and effective mechanisms will be established for hearing and resolving grievances.
- Social assessment will be undertaken and RPs will be prepared for roads involving land acquisition/resettlement.
- APs will receive compensation at replacement cost for their loss of assets and necessary assistance to ensure that they will be as well off as without the project.
- Such compensation will be paid to APs prior to commencement of civil works.
- Absence of formal title will not be a bar to compensation or assistance. Particular attention will be paid to women, the elderly and other vulnerable people.
- Land acquisition and resettlement will be conceived of as part of the project and related costs will be included in and financed out of the project cost.
- Resettlement impacts, including any unforeseen losses that may occur during construction will be monitored and remedial steps taken as required

#### VIII. ENTITLEMENT, ASSISTANCE AND BENEFITS

169. Usually, the unit of loss determines the unit of entitlement. In PNG, 97% is customary land owned by the tribes and clans. For lands and other communal properties required to implement this project, the units of entitlement are the tribes and clans who own the affected lands needed by the project. For individually owned properties such as structures and other land improvements, the units of entitlement are the owners of these individual affected properties.

#### A. Compensation Entitlements

170. In the Mendi-Tambul road section, land acquisition impacts in the rehabilitation and upgrading activities include the following; (i) permanent use of customary land, as required to permit upgrading and rehabilitation of the road; (ii) temporary use of customary land, as required to establish construction camps; and, (iii) damages to crops, trees and/or structures on affected lands and/or due to ancillary works. Each of these situations is discussed in this section in terms of the entitlements of landowners and/or users to compensation for losses. Table 27 in this sub-section summarizes the compensation entitlements in an Entitlement Matrix.

#### 1. Negotiation for Use Rights of Customary Lands

- 171. For most public works in PNG, the government authorities often consult with landowners who claim an interest in the land and obtain land through negotiation. The project will continue this tradition of negotiation. When an HRRIIP subproject involves a road that is located on customary land, the HRMG will collaborate with the Provincial Land Officer (PLO) and/or the District Land Officer (DLO) in order to enter into negotiations with landowners to acquire the right to use additional land required to upgrade and rehabilitate the road or on a temporary basis to accommodate other activities related to the HRRIIP.
- 172. The use of customary land needed to upgrade or rehabilitate the road has been negotiated through a Memorandum of Agreement (MOA) with the community leaders and affected landowners. See Appendix 4 for the signed Memorandum of Agreements. The subject matter of the MOA is the land between the edge of the existing road and the construction limits. This is the minimum additional land required to upgrade and rehabilitate the Mendi-Tambul road section. Private affected lands, if any, will be compensated based on the prevailing market rates of land in the area (no such land affected so far).
- 173. Negotiations were conducted with the tribe and clan land owners who are the rightful owners of the affected lands. The DMS conducted for this RP includes names of members of the affected tribes and clans as requested by the affected communities. However, these are not the individual owners but communal owners of customary land. Consent for the use of customary land came from the affected tribes and clans in conformity with the customs and traditions. Compensation for affected assets other than land will be paid to the individual owners of the affected assets such as houses, trade stores, graves, fences, and individually owned trees and crops.

#### 2. Compensation for Damages to Crops, Trees and Structures

174. Crops and trees will be damaged or lost due to the civil works, as a result of earthworks, upgrading drainage structures and other works. Semi-permanent and temporary structures such as roadside trade stores, fences or animal shelters need to shifted back or be relocated to accommodate civil works or to ensure they are in a safe location. Roadside graves will also be affected.

175. APs who own crops, trees and/or structures that are damaged or lost are entitled to compensation to replace these assets. The compensation rates and amounts shall be determined in the following manner:

#### a. Annual Crops

- 176. In the first instance, APs will be encouraged to harvest annual crops; the clearance of the additional land will be timed, to the extent possible, to enable APs to harvest. In this case, no compensation will be paid for crops because APs will be able to use the crops to meet household consumption needs and/or to generate cash income.
- 177. If APs are unable to harvest prior to clearance of the land, compensation will be paid at replacement cost based on current market prices in the subproject areas.

#### b. Perennial Crops and Trees

- 178. For perennial crops and fruit trees, APs will be encouraged to harvest the current year's crop; the clearance of the additional land will be timed, to the extent possible, to enable APs to harvest. In this case, no compensation will be paid for the current crop because APs will be able to use the crops to meet household consumption needs and/or to generate cash income.
- 179. Compensation for lost plants and/or trees will be paid at replacement cost based on current market prices. The HRRIIP will also pay an additional grant equal to the lost income for the period of time until new perennial plants or fruit trees produce a yield similar to the lost plants and trees. For example, in the case of mature coffee trees, the lost income would be incurred over a 3- or 4-year period. If APs have not been able to harvest the current year's crop, the grant for lost income will take this into consideration.
- 180. For timber trees, APs will be required to cut the trees prior to clearance of the additional land; they will be permitted to harvest the trees and sell the timber.

#### 3. Fences

- 181. For fences constructed of wood, metal or concrete, APs will be provided the compensation at replacement cost based on current market price (per meter) for similar fencing materials, as determined in the subproject area plus labor costs.
- 182. For vegetation fences, the compensation will be paid in accordance with replacement cost of plant material used or their commercial value plus labor costs, whenever applicable. Trees used as fences or part of fences will be compensated separately as fruit or timber trees.

#### 4. Structures

- 183. Along this road, semi-permanent or temporary structures have been constructed as trade stores. As they are located close to the road, it is necessary to shift these buildings back in order to upgrade the road. In this instance, APs will be provided compensation at replacement cost to cover the costs of this activity. They will also be eligible for an allowance due to disruption of their businesses.
- 184. The additional land required to upgrade roads is not expected to affect residential structures or other permanent structures. Nonetheless, there are 4 affected residential structures made of bush materials (temporary structures) that will be affected by the subproject. APs are entitled to compensation at replacement cost for the materials and labor to repair or reconstruct a similar structure. In addition, these APs are entitled to a moving allowance to relocate their possessions.

#### 5. Graves

185. Compensation will be paid at replacement cost ensuring that the compensation received is equal to the costs for reburial and construction of new graves which are similar to the affected graves. Specific costs have been determined for in the RP.

#### B. Calculation and Payment of Compensation

- 186. The initial assessment of affected assets was made at the time of feasibility study, followed by the detailed measurement survey (DMS) and valuation/replacement cost survey (RCS) after completion of the detailed engineering design. For this purpose, DOW engaged a valuer/appraiser to review the applicability of available rates, undertake survey of current market prices and recommend compensation rates at replacement costs for subprojects. The independent valuer has recommended through the RCS, an increase of 3.5% per year from 2008 rates for crops and trees. Compensation rates have been negotiated with APs based on RCS/valuation and has been adapted as the rates for the valuation of affected crops and trees.
- 187. All compensation rates and the amount of the compensation for damaged crops, trees and structures will be verified and approved by the office of the Valuer General.
- 188. APs are entitled to payment of all compensation prior to clearance of land and start of civil works. HRMG will ensure that all procedures are followed to facilitate payment of APs prior to the start of civil works.
- 189. In the case of affected crops, trees and structures, the compensation owed will be paid directly to the person who owns these assets. For example, if women cultivate affected gardens, the compensation will be paid to the affected women.
- 190. In the event that the losses or damages incurred during civil works are different from those assessed during the DMS and RCS, HRMG will make appropriate adjustments in the compensation amounts, seek verification and approval from the Valuer General and ensure that APs are paid promptly.

#### C. Entitlements to Rehabilitation Assistance

191. In general, the HRRIIP will support APs to restore their living conditions and standards in the most efficient, effective manner possible; and will provide assistance in the following situations:

#### 1. Shifting Allowance

- 192. APs that own a structure that is used as a trade store or for other business purposes that must be shifted a short distance to a location outside the area designated for the road are entitled to an allowance to cover the loss of business income while the structure is being shifted. The value of the allowance has been calculated based on the RCS and DMS.
- 193. At the time that the shifting allowance is paid, the structure owner will sign an agreement with HRMG and/or DLO regarding the date by which the structure will be removed from the land required to upgrade/rehabilitate the road.

#### 2. Business Disruption Allowance

194. APs that own a trade store whose business is disrupted due to lack of access caused by civil works are entitled to an allowance to cover the loss of business due to this disruption.

The value of the allowance has been calculated based on RCS and DMS for a period equal to number of days of disrupted business.

#### 3. Moving Allowance

195. APs that relocate housing are entitled to a moving allowance to cover the costs of moving their possessions to the new location. This allowance will be paid in cash or, if organized by HRMG and/or LLG officials, in the form of provided transport.

#### 4. Vulnerable APs

- 196. The proposed project will assist the following vulnerable households: (i) AP household heads whose age is 65 or older; (ii) female-headed household heads; and (iii) household heads who are physically and/or mentally incapacitated (disabled).
- 197. It is possible that some APs fall in more than one of these vulnerable groups; they are therefore eligible to receive the allotted entitlements for each count of vulnerability. Nearly all households in the high lands are headed by men and those headed by women are among the poorest.
- 198. There are no APs that will require to move to other locations other that the present location because the impacts of the road project is linear and there is sufficient land to transfer or relocate the affected structures to the parts of the land that will not be affected by the project. In the event that there will be some who desire to relocate to other locations, there is sufficient tribal lands that would accommodate both the structures and their farming activities.

#### 5. Project Employment

199. People affected by permanent or temporary loss of land or by damage or loss of crops, trees or structures will be given priority for employment by contractors for civil works and/or maintenance works on the road, in accordance with their qualifications to do the work

#### D. Income Restoration Measures

- 200. The loss of the land will be addressed by the tribes by allocating lands in fallow to the affected households if the land losses are significant to the APs. The affected households will continue to subsistence farmers, cultivating their several food gardens located at different parts of their customary land. All APs will be able to continue to be farmers because tribal lands are available when needed.
- 201. It is anticipated that the upgrading and rehabilitation of the road will create opportunities for livelihood and business. Some APs have signified their intentions to transfer their houses from in the interior to the adjacent areas of the road because they would embark on the transportation business. It is also expected that there would be a significant increase of the volume of traffic and many would be encouraged to engage into roadside vending.
- 202. Bus bays would be constructed in strategic places along the road that may also serve as roadside vending areas to provide livelihood opportunities for roadside vendors. Safety provisions will be incorporated in the design to ensure that these roadside vendors have adequate protection from wayward vehicles.
- 203. People affected by permanent or temporary loss of land or by damage or loss of crops, trees or structures will be given priority for employment by contractors for civil works

and/or maintenance works on the road, assuming qualifications to do the work. The implementation of this priority for employment will be the responsibility of DOW as the executing agency. Provisions will be made to include this priority for employment in the contract with the winning contractor. This employment provision will also be encouraged through local sub-contractors as appropriate.

- 204. DOW through the contractor will establish an apprenticeship program for APs who may not possess the necessary skills but are desirous to work in the project. They will be trained based on the labor requirements in the construction phase through on the job trainings. Tribes would be encouraged to provide the candidates so that they can also participate in the maintenance phase of the project. This aspect will be included as one of the parameters of external monitoring.
- 205. DOW will encourage women to form associations or use existing ones so that they can tap the opportunities in the construction camps of the contractor. The contractor will require janitorial services, management of dormitories, operations of kitchens and mess halls and maintenance of the camp perimeter and these associations will be contracted by the contractor as part of the project's income restoration measures.
- 206. Arrangement would be made between DOW through the contractor to source out food that will be used in the kitchens from the nearby food gardens of the APs. This arrangement will be mutually beneficial because farmers would avoid the transportation costs in transporting their products and save time while the contractor will receive fresh produce as more reasonable prices.
- 207. Owners of non-business related structures that are affected by this project will be compensated for the whole structure irrespective if the road impact will be partial or total to the structures because the structures are too small to provide for partial compensation. The remaining structures are not viable to repair but would require reconstruction of the whole structure. This would ensure that affected persons are better off after the implementation of the road project.
- 208. There will be use of land during construction and/or maintenance periods, e.g., construction camps and temporary storage for materials and equipment, and as a result will disrupt business activities on land near the road. However, use of land will be temporary in nature and incomes from businesses will be restored once construction and maintenance activities cease. Disruption allowance will be provided to people whose businesses will be temporarily affected due to construction and maintenance work.

#### E. Indigenous People

- 209. Following the ADB definition of Indigenous People "as those with a social or cultural identity distinct from the dominant or mainstream society which makes them vulnerable to being disadvantaged in the processes of development", the project will not need an Indigenous People Plan because while AP's may fall under different tribal/linguistic groups, they are considered as part of the mainstream society and of the population living in highland areas which generally characterizes PNG.
- 210. Inspection of the project areas and interaction with the people in the proposed project sites reveals that the people experience the same social problems and opportunities as other tribes and linguistic groups. Social divides are more pronounced in clans and subclans, and living in urban or rural areas rather than by tribe or linguistic group.
- 211. The recent PNG census figures show that the population is around seven million. Approximately 95 per cent of people are Melanesians. There is no particular ethnic group

that dominates another. Given this backdrop, there is no indigenous or ethnic minority peoples as "those with a social or cultural identity distinct from the dominant or mainstream society, which makes them vulnerable to being disadvantaged in the processes of development." As such, it is not deemed necessary to prepare separate IP related documents. The RF and the RP address the issue of use of customary land for road widening.

#### F. Entitlement Matrix

212. The following Table 27. HRRIIP Entitlement Matrix summarizes the entitlements to compensation and rehabilitation assistance for the Mendi - Tambul road section under the HRRIIP.

**TABLE 27. HRRIIP ENTITLEMENT MATRIX** 

Type of Impact	Entitled Person	Entitlement	Expected Results	Implementation	
ППрасс					
Temporary use of land	Customary land: Land users as recognized by clan leaders	Affected Land Use of the land will be acquired through negotiated lease with landowners. Rent as negotiated under the lease. In the case of extraction of materials (e.g., gravel) from the land, the civil works contractor will negotiate directly with the landowner to reach agreement regarding the payment of royalties.	Compensati on (in form of land lease) for use of land.	The agreement to use customary land whether temporarily or permanently will be negotiated based on the following conditions: a) landowners agree to and support the upgrading and rehabilitation of the	
	State- owned land: Users or occupants	No compensation will be paid for use of the land.  Cash compensation at replacement cost will be paid for any damaged crops and trees	road; b) landowners are consulted and make informed decisions regarding agreements to use land; and		
Permanent use of land	Customary land:  Land users as recognized by clan leaders	Use of the land will be acquired through a negotiated Memorandum of Agreement with landowners.	Agreement s on use of customary land.	c) they guarantee on behalf of all clan members that they will not disrupt the project in other ways. In the case of customary land used	
	State- owned land: Users or occupants	No compensation will be paid for use of the land. Cash compensation at replacement cost will be paid for any damaged crops, trees, fences or other structures on project-affected land (see below).		temporarily, the cost of restoration of the land following its use will be the responsibility of Contractors as part of their Contracts.	

Type of	Entitled	Entitlement	Expected Results	Implementation
Impact	Person	Other Affected Assets		
Annual crops	Owners of the crops	Compensation for loss of or damage to annual crops on project-affected land as follows:  a) APs given notice to harvest crops before clearance or removal from required land;  OR, if APs are not able to harvest b) cash compensation calculated at replacement cost based on local market prices.	Compensati on for damage to or loss of standing crops to ensure income restoration	DOW will engage a valuer/appraiser to determine compensation rates at replacement cost based on market prices.  All compensation rates and amounts will be verified and
Perennial crops and trees, including timber trees	Owners of crops and trees	Compensation for losses or damages as follows:  a) APs given notice to harvest crops before clearance or removal from required land; AND, b) cash compensation for lost plant or tree calculated at replacement cost based on market prices.; AND, c) in the case of perennial crops and trees, a grant equal to the lost income for the period of time until new plants or trees produce a yield similar to the lost plants/trees; OR d) in the case of timber trees, APs will be permitted to harvest trees and sell the timber.	Compensati on for damage to or loss of perennial crops and trees to ensure income restoration.	approved by the office of the Valuer General. All compensation assessed according to the DMS and RCS shall be paid in full prior to the beginning of civil works. If further damage or loss occurs during civil works, HRMG will carry out supplementary assessments and take steps to get approvals for and payment of additional compensation to
Fencing	Owners of fencing	For wood and metal fences, cash compensation equal to the replacement cost at local market prices for the type of fencing materials lost or damaged.  For vegetation fences, cash compensation at replacement cost for the appropriate type of plant material.	Restoration of affected structures.	which APs are entitled as rapidly as possible. All compensation shall be paid to the owners of the affected assets. If, for example, women's gardens are affected, the compensation will
Graves Sites and Graves	Owners of graves	Compensation will be paid at replacement cost ensuring that the compensation received is equal to the costs for	Restoration of affected structures	be paid to the affected women.

Type of	Entitled	Entitlement	Expected	Implementation
Impact	Person		Results	Implementation
		reburial and construction of new graves		
Residential and other permanent structures	Owners of the structures	Cash compensation for loss or damage of structures on project-affected land at replacement cost (i.e., full value of replacement materials and labor at current market value, together with any other transaction costs).	Restoration of Affected structures	For structures, no deductions will be made to compensation paid for depreciation or the value of salvaged materials
		Allowances	T	
Shifting back of Semi permanent and temporary structures	Owners of structures	A shifting allowance to compensate for lost business revenues while shifting the structure to a location outside the area designated for the road.	Restoration of livelihood /economic activities.	The allowances for shifting structures and loss of business income have been assessed by a valuer in the RP based on the duration of impacts, e.g., to shift a structure and the loss of income.
Disruption of business activities due to civil works	Owners of trade stores and other roadside businesses	A disruption allowance equal for the number of days that business is disrupted due to lack of access or other consequences of civil works	Restoration of livelihood / economic activities	At the time that the shifting allowance is paid, the trade store owner will sign an agreement with HRMG and/or DLO regarding the date of removal from the land required for upgrading the road.
Relocation of housing	Owners of residential structures	A moving allowance to cover the costs of moving personal possessions, paid in cash or in kind (e.g., provision of transport).	Restoration of living conditions.	
Vulnerable APs	APs that are female household heads, handicapp ed and/or elderly, as determined during census and social surveys	Additional one-time cash grant to head of AP household according to severity of impacts and vulnerability. Specific amounts specified in this RP.	Livelihood restoration, poverty reduction and social developme nt	
Subproject affected	APs including	Priority for paid work for civil works and/or ongoing	Poverty reduction	

Type of Impact	Entitled Person	Entitlement	Expected Results	Implementation		
people	vulnerable	maintenance for subproject	measure			
	APs.	road, assuming	and social			
		qualifications to do the	developme			
		work.	nt			
		Contractor specifications for				
		provision of HIV/AIDS				
		awareness and prevention				
		programs in construction				
		camps and surrounding				
		communities				
		Extensive community				
		relations and participation program involving women				
		linked to different aspects of				
		subproject preparation and				
		implementation				
		Long-term participatory				
		social monitoring study to				
		track benefits among				
		different road user groups				
Unforeseen	Unforeseen	en impacts will be documented and mitigated based on the principles				
Impacts		agreed in this RP ar	•	, ,		

#### G. Eligibility for Compensation and Rehabilitation Assistance

- 213. General eligibility is defined as people who stand to lose land, houses, structures, trees, crops, businesses, income and other assets as a consequence of the project road as of the formally recognized cut-off date i.e. **June 12, 2013** will be considered as project affected persons (APs). APs entitled to compensation or at least rehabilitation under the project are:
  - (i) All APs losing land with title, official/customary deeds or traditional land use rights;
  - (ii) All tenants and sharecroppers whether registered or not;
  - (iii) All Owners of buildings, crops, plants, or other objects attached to the land disregarding their land occupancy status; and
  - (iv) All APs losing business, income, and salaries disregarding their land occupancy status.
- 214. Compensation eligibility will be limited by the cut-off date set for this project as of June 12, 2013 wherein the impacts assessment and AP census were carried out and completed. All APs who settle in affected areas after this date and who cannot prove that they are displaced users of affected plots will not be eligible for compensation. DOW has informed local communities regarding this cut-off date through the provincial, district and local wards and through the relevant local government agencies.
- 215. Any person or group that occupies or uses land required for upgrading and rehabilitation of the road after the cut-off date will not be eligible for any compensation and/or rehabilitation assistance; they will be required to remove from the land as per the provisions of the Land Act.

#### H. Payment of Compensation

- 216. The HRRIIP adopts the principle that all compensation for affected assets will be paid at replacement cost based on current market prices. The office of the Valuer General will verify and approve (i) all compensation rates established through RCS and negotiation for each HRRIIP subproject, (ii) the total amount of compensation to be paid.
- 217. If payment of compensation is delayed, compensation rates will be updated regularly based on inflation rates to ensure that APs receive compensation at replacement cost at the time of compensation payment. Changes to compensation amounts will be verified and approved by the office of the Valuer General.

#### I. Coordination of Land Acquisition Activities with Civil Works

218. All land acquisition activities will be coordinated with the civil works schedule. Civil works contractors will not be issued a notice of possession of the site until (i) compensation and relocation of APs have been satisfactorily completed; (ii) agreed rehabilitation assistance is in place; and, (iii) the site is free of all encumbrances.

#### IX. RESETTLEMENT BUDGET AND FINANCING PLAN

#### A. Sources of Funding for Land Acquisition and Compensation

- 219. All costs for the HRRIIP related to land acquisition, compensation and allowances, operation and administration costs, surveys, monitoring and reporting will be financed by GoPNG using counterpart funds.
- 220. In the case of designated national roads as with this Mendi-Tambul subproject, DOW will request the National Economic Council (NEC) to allocate and disburse funds for compensation and allowances related to additional land required to upgrade and rehabilitate this subproject.
- 221. In all instances, the HRMG acting on behalf of the DOW, the HRRIIP EA, will monitor the process to ensure that there are minimum delays in the allocation, disbursement and payment of compensation funds.

## B. No Costs to Acquire Additional Land to Upgrade Roads

222. There have been negotiations with all affected tribes and clans for the use of the minimum additional land required to rehabilitate and upgrade the Mendi-Tambul road. The list of affected tribes and clans are contained in Table 3. The customary lands required by the project have been gifted to DOW in consideration of public infrastructure as evidenced by the signed MOAs attached in this RP. It is expected that there will be no direct costs to secure the use of the required lands for the project. Documentation expenses for these MOAs will be taken care under administrative expenses of the project.

## C. Costs of Compensation for Damages to Houses and Other Structures

223. The costs of compensation for damages to houses and trade stores totaled K100, 130.00. This amount represents the full replacement costs of the affected assets. The details are shown in the following Table 28 Costs for Damages to Houses and Other Structures.

TABLE 28 COSTS FOR DAMAGES TO HOUSES AND OTHER STRUCTURES

TABLE 20 00010	TABLE 20 COSTS FOR DAMAGES TO HOUSES AND OTHER STRUCTURES				
House	Number of Structure	Bush Material	Semi Permanent	Permanent	
Unit	6	6	0	0	
Area		96	0	0	
Rate		120	350	700	
Amount		11,520.00	0	0	
Sub-Total				11,520.00	
Trade Store					
Unit	20	1	15	4	
Area		8	123	43	
Rate		120	350	700	
Amount		960.00	43,050.00	30,100.00	
Sub-Total				74,110.00	
Farm House					
Unit	1	1	0	0	
Area		10	0	0	
Rate		120	350	700	
Amount		1,200.00	0	0.00	
Sub-Total				1,200.00	
Toilet					
Unit	3	1	0	2	
Area		5	0	7	
Rate		120	350	700	
Amount		600.00	0.00	4,900.00	
Sub-Total				5,500.00	
Others					
Unit	8	6	2	0	
Area		30	12	0	
Rate		120	350	700	
Amount		3,600.00	4,200.00	0.00	
Sub-Total				7,800.00	
Grand Total				100,130.00	

#### D. Costs of Compensation for Damages to Crops and Trees

- 224. The resettlement framework provides that the valuation of crops and trees will be based on the replacement cost. Valuers' General Schedule of Compensation rates are from 2008 and some of the rates in the 2008 schedule of compensation do not fully reflect the full replacement costs. Coordination with the Valuer General Office revealed that they are in the process of updating the rates of compensation for crops and trees but the final rates would not be available in the immediate future.
- 225. DOW engaged a valuer/appraiser to undertake a replacement cost survey (RCS) and the valuer/appraiser has submitted its evaluation in July 8, 2013. The RCS recommended an increase of 3.5% per year from 2008 for the rates of crops and trees of 22008. This RP adopts in full, the recommendations of the RCS and has adjusted all the Valuer General compensation rates for crops and trees by 19% in the computation of the resettlement budget.

226. The costs of compensation related to damages to crops and trees totaled K392, 692. 70. Adding the 19% adjustment for increases in the rates as determined by the replacement costs survey, the grand total for damages to crops and trees amounted to K467, 304.31. A summary of the different classifications of plants and trees based on the Valuer General Schedule of Compensation (2008) and their corresponding amounts are shown in the Table 29. Summary of Costs For Damages to Crops and Trees.

Summary of Compensation for Trees and Crops Code Tree / Plants Category Unit Amount Α1 1,295 10,052.00 Tree Crops В1 Single Plants and Trees 16,374 114,183.80 B2 Clump Plants and Trees 51,123 79,105.90 Single Plants C1 4,276 8,034.20 Vines or Clump Plants C2 986 738.30 C3 Mound Plants 943 4,998.00 D Forest Trees 19,197 175,580.50 Total 94.194 392.692.70 19% adjustment 74,611.61 **Grand Total** 467,304.31

TABLE 29. SUMMARY OF COSTS FOR DAMAGES TO CROPS AND TREES

#### E. **Costs of Compensation for Damages to Fences**

The full replacement cost for damages to the different types of fences in the project area amounted to K50, 072,00 as shown in the following Table 30 Costs for Damages to Fences.

TABLE OF GOOTO FOR PAMAGES TO TENGES							
Fence Material	Total Fences	Total Linear Meters	Rate	Amount			
Metal	1	10.00	30	300.00			
Wooden	21	1,784.00	5	8,920.00			
Plant/Bush	388	20,426.00	2	40,852.00			
Total	410	22,220.00		50,072.00			

TABLE 30 COSTS FOR DAMAGES TO FENCES

#### F. **Costs of Compensation for Damages to Grave Sites and Graves**

The full replacement costs of compensation for the affected grave sites and graves amounted to K22, 450.00. The details are shown in the following Table 31 Costs for Damages to Grave Sites and Graves.

Type of Craya Site	Left		Right		Total	
Type of Grave Site	Site	Grave	Site	Grave	Site	Gra
Unmarked (1)	5	6	2	3	7	9
Rate	100	1500	100	1500		

ave 1500 700 Sub-Total 500 9000 200 4500 13,500 Permanent (2) 1 1 1 0 0 1 Rate 250 1500 250 1500

1500

0

0

250

250

Sub-Total

1,500

Permanent with Features	0	0	2	3	2	3
Rate	1000	1500	1000	1500		
Sub-Total	0	0	2000	4500	2000	4,500
Total	750	10,500	2,200	9,000	2,950	19,500
Grand Total						22,450

#### G. Costs for Compensation for Business Losses

229. The costs of compensation for business losses in the form of shifting allowance totaled K2, 400.00. The details are shown in the following Table 32 Costs of Compensation for Business Losses.

TABLE 32 COSTS OF COMPENSATION FOR BUSINESS LOSSES

Shifting Allowance	Number of Businesses	Rate	Amount
Trade Stores	20	2 weeks X	2,400.00
Total	20	minimum wage (K120)	2,400.00

#### H. Costs of Rehabilitation Assistance

230. The costs of rehabilitation assistance for vulnerable households accounted to K12, 960.00. The details are shown in the following Table 33 Costs of Vulnerable Allowances.

TABLE 33 COSTS OF VULNERABLE ALLOWANCES

Vulnerability	Left Side	Right Side	Total	Rate	Amount
Women Headed Households	6	6	12	K240	2,880.00
Handicapped Headed Households	0	3	3	(value of minimum	720.00
Elderly headed Households	17	22	39	wage for 1 month)	9,360.00
Total	23	31	54		12,960.00

#### J. Costs of Affected Assets and RP Budget

231. The total cost of this resettlement action plan for the Mendi-Tambul road project amounted to **K1**, **150**, **080.13**. This budget includes costs of compensation for all affected assets, costs of rehabilitation assistance, physical and price contingencies, administrative expenses and cost for external monitoring. The details are shown in the following Table 34. Summary of Cost Estimates of Affected Assets and RP Budget.

TABLE 34. SUMMARY OF COST ESTIMATES OF AFFECTED ASSETS AND RP BUDGET

Houses and Other Structures								
Structure	# of Structures	Rate	Sub-Total					
Houses	6	Based on full	11,520.00					
Trade Stores	20	replacement	74,110.00					
Farm House	1	costs and self	1,200.00					
Toilets	3	valuation of	5,500.00					
Others	8	affected	7,800.00					
Sub-Total (A)		owners	100,130.00					
Crops and Trees								

Plant and Tree	# of Plants/Trees	Rate	Sub-Total
Tree Crops	1,295		10,052.00
Single Plants and Trees	16,374	1	114,183.80
Clump Plants and Trees	51,123	Datas for the	79,105.90
Single Plants	4,276	Rates for the various plants	8034.20
Vines or Clump Plants	986	and trees are	738.30
Mound Plants (by area)	943	based on	4,998.00
Forest Trees	19,197	Valuer General	175,580.50
Sub-Total (B)	94,194.00	Rates	392,692.70
19% Rate Adjustment	· · ·	1	74,611.61
Grand Total		1	467,304.31
Fences		•	,
		Rate/Linear	
Material Used	Length	Meter	Amount
Metal	10	30	300.00
Wooden	1,784	5	8,920.00
Plant/Bush	20,426	2	40,852.00
Sub-Total (C)	22,220		50,072.00
Grave Sites and Graves	•		
Graves Sites and Graves	# Sites/Graves	Rate	Amount
Unmarked			
Grave Site	7	100	700.00
Grave	9	1500	13,500.00
Permanent			
Grave Site	1	250	250.00
Grave	1	1500	1,500.00
Permanent with Features			
Grave Site	2	1000	2,000.00
Grave	3	1500	4,500.00
Sub-Total (D)			22,450.00
Special Allowances			
	# of Entitled HHs	Rate	Amount
Shifting Allowance	20	120	2,400.00
Vulnerable Allowance	54	240	12,960.00
Sub-Total (E)			15,360.00
Total (A+B+C+D+E)			655,316.31
Physical Contingency (20%)			131,063.26
Price Contingency (10%)			65,531.63
Total			851,911.21
Administrative Expenses (15%)			127,786.68
Independent Monitoring (20%)			170,382.24
Grand Total			1,150,080.13

#### Χ. INSTITUTIONAL ARRANGEMENTS

### A. Department of Works (DOW)

As Executing Agency (EA) for the HRRIIP, Department of Works (DOW) has overall responsibility to manage the planning, implementation and monitoring related to acquiring use rights for additional land to implement HRRIIP subprojects, as well as compensation for damages on project-affected land.

### B. Highlands Region Maintenance Group

The Highlands Region Maintenance Group (HRMG), as the DOW's Project Implementation Unit (PUI)I for HHRIP subprojects to upgrade and rehabilitate roads, has the responsibility delegated by the DOW to carry out the planning, implementation and monitoring for land activities, as required. These include but may not be limited to the following:

- Collaborate with and assist PLO and/or DLO to carry out their work in compliance with the HRRIIP policies and ADB requirements;
- Provide qualified personnel to conduct and/or assist PLO and/or DLO to carry out surveys including fieldwork to support the subproject screening and preliminary assessment of additional land requirements; and, as required, a census of affected people, the detailed measurement survey (DMS), RCS and socioeconomic baseline survey:
- Collaborate with PLO and/or DLO for negotiations regarding Memoranda of Agreement (MOA) and leases for temporary use of land;
- Coordinate and carry out consultations with affected communities, including leaders, affected people and other interested community members; and, ensure that all stakeholders are informed in a timely manner about the project, its policies and procedures; ensure that all requirements are carried out concerning public disclosure of the provisions for land acquisition and compensation; and, oversee and monitor the grievance redress process;
- Review and endorse the draft RP as prepared by the Consultants prior to submitting it to DOW and, subsequently, to ADB for approval, making sure that all matters related to land acquisition are complete and properly reported:
- Monitor the process of allocation and disbursal of funds for compensation at both the national and provincial levels, and ensure that funds are available and compensation is paid in a timely manner as per the provisions of the RP;
- Carry out all other activities related to internal monitoring of land acquisition activities and collaborate with and support the work of the independent monitoring organization;
- Coordinate with civil works contractors to ensure that required land is cleared in a timely manner, that unforeseen damages and losses are recorded and compensation paid and that all other steps and measures are taken to complete the civil works in an efficient manner.

#### C. Provincial Administrations

- 234. The Provincial Land Officer (PLO) will collaborate with the HRMG to plan, implement and monitor land activities for HRRIIP subprojects in the province and/or delegate responsibility to the relevant District Land Officers (DLO). The PLO responsibilities include:
  - Conducting surveys of land required permanently or temporarily for the subproject;

- Negotiating and signing a Memorandum of Agreement for permanent use of customary land with the leaders and affected landowners in communities will land is affected;
- Negotiating and signing leases for temporary use of land required for the subproject; and,
- Consulting with and advising affected communities about the HRRIIP, the policies and procedures when additional land is required and the rights and responsibilities of affected people and other stakeholders.
- 235. The Provincial Governor and/or Provincial Administrator (PA) in coordination with DOW are responsible to ensure that funds are allocated and disbursed to pay compensation and allowances for provincial (and/or district) roads that are included in the HRRIIP.

#### D. District and LLG Administrations

- 236. The District Land Officer (DLO), as delegated by the PLO, will collaborate with HRMG to plan, implement and monitor land activities for HRRIIP subprojects in the district, including:
  - Conducting surveys of land required permanently or temporarily for the subproject, and preparing LIR;
  - Negotiating and signing a Memorandum of Agreement for permanent use of customary land with the leaders and affected landowners in communities will land is affected;
  - Negotiating and signing leases for temporary use of land required for the subproject; and,
  - Consulting with and advising affected communities about the HRRIIP, the policies and procedures when additional land is required and the rights and responsibilities of affected people and other stakeholders.
- 237. LLG Ward Councilors will be effective participants in all consultations with local communities, affected people and other stakeholders. They will be responsible for collaborating with HRMG to organize and carry out these consultations.

## E. Institutional Capacity for Land Acquisition Activities

- 238. The National Department of Lands and Physical Planning (DLPP) and the Lands and Survey Division (LSD) situated within the DOW are well-organized to assist the Executing Agency (EA) to (i) oversee and manage the land acquisition and compensation process; and, in particular, to support the work of the IA and others with respect to identification of land tenure, review and endorsement of procedures and plans, as well as facilitation of requests for allocation and disbursement of funds to pay compensation.
- 239. The Implementing Agency (IA), the HRMG has experience in dealing with issues related to community consultations and negotiation of Memorandum of Agreements (MOA) for additional land required to upgrade and rehabilitate national and provincial roads, as well as other aspects of compensation for lost and damaged assets as per the GoPNG procedures. Similarly, the personnel of the PLO and DLO in most jurisdictions also have experience with MOA and compensation issues.
- 240. The HRRIIP will train staff of DOW/HRMG, DLPP and other relevant agencies and provide necessary support to carry out the work on land acquisition and resettlement. The scope and detailed TOR of capacity building support including inputs of social safeguard specialists for overall HRRIIP are provided in the resettlement framework (see the RF Section VIII and Appendix 5).

#### XI. IMPLEMENTATION SCHEDULE

241. DOW will begin the implementation process of RP immediately after its approval by the ADB. A timeline for the implementation and post implementation of the RP implementation has been prepared in accordance with different steps covered under this RP and presented in Table 35 RP Implementation Schedule.

TABLE 35 RP IMPLEMENTATION SCHEDULE (2013)

	TABLE 33 KP	11411 FF141F14	IATION OC	IILDOLL (Z	0.10)		
Main Resettlement Plan Activities	Responsibility	July	Aug	Sept	Oct	Nov	Dec
Translation of the summary RP into Pidgin	DOW/HRMG						
RP disclosure: Distribution of RP and information pamphlets in Pidgin in the affected communities	DOW/HRMG/ Consultant						
Distribute Public Information Booklet to APs and Consultation with APs	DOW/HRMG/ Consultant						
Submission of RP to ADB for approval	DOW/ Consultants						
Allocation of financial resources for land acquisition	DOW/National Economic Council						
Award of compensation cheques to APs	DOW/HRMG						
Disputes/ objections (complaints & grievances)	DOW/HRMG/ Court						
Shifting of APs/ Demolishing/ relocation of affected structures/assets	DOW/HRMG/ AHs						
Confirmatory letter to ADB for completion of all payments	DOW						
Confirmation and verification of completion of payments by	DOW						

Independent Monitoring				
Organization Issuance of no- objection for commencement of civil works by ADB	ADB			
Commencement of civil works	DOW/ Contractor			
Internal monitoring. Quarterly Progress Reporting and semi-annual safeguard monitoring reports to ADB	DOW/HRMG Consultant			
Independent evaluation of RP program (After 3-months of the RP Implementation)	IMO			

#### XII. MONITORING AND REPORTING

242. RP activities in the Mendi-Tambul road project will undergo both internal and external monitoring. Internal monitoring will be conducted by DOW through HRMG, assisted by the Supervision Consultant. External monitoring will be assigned to an independent Monitoring Organization (IMO) to be hired by DOW, and approved by ADB.

#### A. Internal Monitoring

- 243. The HRMG will monitor all activities associated with land acquisition and payment of compensation to APs. The scope of internal monitoring includes: (i) compliance with the agreed policies and procedures for land acquisition; (ii) prompt approval, allocation and disbursements of funds and payment of compensation to APs, including supplemental compensation for additional and/or unforeseen losses; (iii) the availability of other resources and efficient, effective use of these resources; and, (iv) requirements for remedial actions.
- 244. During the implementation of the RP, the HRMG will prepare semi-annual safeguard monitoring reports and submit these reports to ADB in additional to regular quarterly progress reports as part of project performance monitoring. HRMG will also submit a subproject land acquisition completion report to ADB when compensation has been paid and request approval to proceed with civil works.

#### **B. External Monitoring**

- 245. The HRMG will recruit an independent monitoring organization (IMO) to conduct external monitoring for HRRIIP subprojects that require land acquisition. The external monitoring will focus on the social impacts of the subprojects and whether APs are able to restore, and preferably improve, their pre-project living standards, incomes, and productive capacity.
- 246. The IMO will be specialized in social sciences and experienced in resettlement monitoring. It will be recruited and mobilized from the first tranche of the HHRIP; and, will monitor all activities related to land acquisition, community consultations, preparation of RPs and payment of compensation. Proposed terms of reference for the IMO are found in Appendix 8
- 247. The IMO will prepare bi-annual monitoring reports; and, conduct post-acquisition evaluations twelve (12) months after compensation is completed for each subproject. All IMO reports will be submitted to HRMG and ADB.

# **ANNEXES**

NNEX 1 -MEMORANDUM OF AGREEMENT	

Department of Works GoPNG

Resettlement Plan: Mendi -- Kagua Road Section



Papua New Guinea

## DEPARTMENT OF WORKS



Tel: (675) 324 1114 Fax; (675) 324 1102

#### MEMORANDUM OF AGREEMENT

This Memorandum of Agreement entered into by and between:

The Independent State of Papua New Guinea as represented by the Department of Works;

#### ---AND---

The council wards of Mendi Urban, Tente 1, Tente 2, Essenda, Kin, Timupa, Enap, Kundaka, Karel, Kumar, Kerenda, Komea 1 and Komea 2, District of Mendi, Province of Southern Highlands represented by its wards leaders, district leaders, leaders of clans and sub-clans, the names of which are enumerated at the end of this document;

#### ---WITNESSETH---

Whereas, the State through the Department of Works is formulating, administering and implementing the Highlands Region Roads Improvement Investment Program (HRRIIP), with loan assistance from the ADB, for the upgrading, rehabilitation and maintenance of selected roads in the Highlands Region Road Network;

Whereas, one of the qualification of a road for the HRRIIP is that it is an existing or former road, that is, the road bench exists and restriction of a trafficable road does not require major earthworks or construction of structures and the local population as well as district and provincial administrators have clearly stated their support for upgrading and rehabilitation of the pre-selected road;

Whereas, the Mendi – Tambul road section has been pre-selected by the State through the Department of Works (DOW) and approved by the Asian Development Bank (ADB) based on certain assumptions including two conditions namely that the right to use (a) existing road carriage has been negotiated in the past when such road was constructed, and (b) additional land to be required for the HRRIIP project has been negotiated with the customary owners;

Whereas, after diligent searches and inquiries from the relevant government agencies, the existence of a writing document on the agreement for the use of customary land in the past cannot be ascertained and that the agreement may not have been put into writing;

Whereas, the absence of any proof of the existence of previous agreements for the use of the existing road carriage and the use of additional road for the HRRIIP project by the government might jeopardize the continued inclusion of the pre-selected road to the HRRIIP because the previous assumptions of the existence of these documents for the use of existing road and additional land may not be defensible;

Whereas, there is an urgent need to cure any deficiencies that may affect the eligibility of the pre-selected Mendi - Tambul road section with the HRRIIP and may create or foster future conditions that would give rise to misunderstandings, resentments and possible conflicts on the right to use the customary lands;

Whereas, the clans and communities who jointly own the customary land are fully aware of the benefits of an ungraded and rehabilitated road for their communities such as faster travelling time and cheaper transport costs, better access to health and educational facilities, increase economic activities, better access of farm products to markets among others; Whereas, the clans and communities, who jointly own the affected customary land that will be needed by the government for road improvements, are fully supportive of the proposed project to improve the existing road section passing through their communities, wards and districts;

Whereas, the clans and communities, who jointly own the affected customary land are desirous for the road section which is located in their customary land, to retain its status as a pre-selected road of HRRIIP subject to a feasibility study including qualifications of the project's eligibility criteria and detailed

Whereas, there is an urgent need for a close public - private partnership between the Independent State of Papua New Guinea as represented by the Department of Works who has the legal mandate to undertake infrastructure development in the country and the clans and communities who jointly own the customary land where the proposed road development will be constructed;

NOW, THEREFORE, for and in consideration of the foregoing premises and covenants hereinafter stipulated, the Independent State of Papua New Guinea, represented in this Memorandum of Agreement by the Department of Works (DOW) and the clans and communities who jointly own the customary land where the existing road carriage is located and the additional land that will be required to improve the existing road:

#### Identification and Location of Road Section

- 1.1 DOW has considered the road section from Mendi Tambul as a pre-selected road for the HRRIIP. This road section has a length of around 55.5 Km and will start at chainage 0+000 located at Mendi and will end at chainage 55+530 at Tambul.
- We certify that we, as individuals and representatives of our communities and clans, are the exclusive customary owners of the road section that is a pre-selected road for the HRRIIP. The particulars of our customary land are described below:

Road section : Mendi - Tambul

Km to km (chainage): From 0+000 to 39+740

Wards: Mendi Urban, Tente 1, Tente 2, Essenda, Kin, Timupa, Enap, Kundaka, Karel, Kumar, Kerenda,

Komea 1 and Komea 2

District: Mendi Province: Southern Highlands

#### Additional Land Requirements

The upgrading and rehabilitation of this pre-selected road will require additional customary land and that based on the existing road and the proposed road, both described below, the preliminary estimate of the DOW for the additional land requirement is 26.52 hectares,

#### Existing Road

Proposed Road

Carriageway 4.00 meters Formation width 4.20 meters Total width 4.23 meters, to outside of drainage

Carriageway 6.00 meters Formation width 6.50 meters Total width 10.91 meters of construction limits Total area 43.35 hectares of proposed road

Total area 16.83 hectares of existing road within the customary land.

Difference of area between existing road and proposed road: 26.52 hectares

(additional land required)

#### 3.0 Agreement

## Responsibilities and Commitments of Clans and Communities

We, members and representatives of the clans and communities who jointly own the customary lands on the above mentioned road section agree to permit the Independent State of Papua New Guinea (State), as represented by DOW, to use our additional customary land for the upgrading, rehabilitating and maintaining the road section described above exclusively under the HRRIIP and guarantee the unimpeded use of the road by the public;

That we enter into this agreement on the basis of our free and prior informed choice and consent, having been provided with full information by the State through the DOW and DLPP about the HRRIIP project and are fully aware of the consequences for our tribes, clans/sub-clans and communities and waive any and all customary interests over the additional lands in lieu of public

infrastructure;

3. That we are aware that the State will be using public funds for the improvement of roads situated in customary lands and if the issue of land use is not properly addressed now, future generations of customary owners may restrict and limit public and private vehicles from using the improved road that may cause conflict and unrest in our communities and villages;

4. That our full permission for the State to use the additional land is premised on the existence of the said road and in the event that the use of our customary land as a road is discontinued for any cause, our permission will also cease and the use of the land will revert to the former owners and

users of the land at the time of taking;

5. That we are validating and reiterating the permission given by our ascendants to permit the State through the DOW, to use our customary lands where the existing road carriage is located and in the event that the use of our customary land as a road is discontinued for any cause, our permission will also cease and the use of the land will revert to the former users of the land at the time of taking;

- In the event that the State will seek to use or establish a public road reserve beyond the actual construction limits of the proposed road under the HRRIIP, the required additional lands is not included in the subject matter of this MOA and will require a separate agreement with the customary
- That if there are any dislocations on land use that will be caused to any member of our clans and community because of the additional land requirement of the road, in considerations for the positive effects of the project, our clans and communities involved will address this issue based on our customs and traditions and provide for adequate land replacement;

That we are representing all the clans and communities that jointly owned the land as described in Section 2 of this agreement and that we will all be jointly responsible to control and police our ranks

in complying with the terms and conditions of this agreement.

- That we are guaranteeing the State on behalf of all members of this community and its clans that there will be no land claims or grievances on the existing road as well as on the additional land required and that there will be no disruption and/or disturbance of the civil works to upgrade and rehabilitate the road;
- That in the event that there is disruption and/or disturbance of data gathering for planning, surveys and during the implementation of civil works of the above road section, the clan and/or community involved will be jointly liable for the appropriate compensation and the erring person who may be criminally liable, be surrendered to the proper authorities for the appropriate legal measures.

## 3.2 Responsibilities and Commitments of the State through the Department of Works

- 1. The DOW has minimized as far as possible additional land requirements for the improvement of the existing road based on existing road standards to ensure the safety of passengers and vehicles using the improved road. However, there are instances that improvements in the hairpin curves sections, relocation of some bridges and improvement in the drainage system will result in using more lands than expected which are unavoidable but necessary to improve the safety of the existing
- 2. DOW has conducted a detailed measurement survey to determine the additional land required to upgrade, rehabilitate and maintain the above mentioned road section based on the detailed engineering design and has a list of all the affected persons (APs) and their affected assets such as annual crops, perennial plants and trees, fences, structures, and graves and these will all be

- compensated based on the most recent Valuer General's Compensation Schedule (hereinafter
- The clans and communities will ensure that after the detailed measurement survey, there will be no improvements planted or made after the detailed measurement survey (cut-off date) will not be
- 4. Temporary Use of Land The road contractor will negotiate with customary land owners for the temporary use of customary land for the construction camps, motor pools, stockpile areas for completion of the road contractors will be responsible for the restoration of the area after the
- Compensation for Loss of Annual Crops APs will be encouraged to harvest their annual crops, in this case, no compensation will be paid; however, If the annual crop is not yet harvestable upon and taking, compensation will be based on latest Schedule;
- Compensation for Loss of Perennial Plants and Trees Compensation for lost plants and/or trees
  will be paid based on the Schedule. An additional grant equal to the lost income for the period of
  timber trees, APs will be required to cut the trees produce a yield similar to the lost plants and trees. For
  compensation, they will be permitted to harvest the trees and sell the timber.
- Compensation for Loss of Fences -- Fences constructed of wood or metal will have a compensation
  rate equal to the current market price (per meter) for similar fencing materials, as determined in the
  plant material used.
- Compensation for Loss of Semi-Permanent or Temporary Structures Semi-permanent or temporary structures may be located close to the road and it may be necessary to shift these buildings back in order to upgrade the road. In this instance, APs will be provided with a shifting to compensation at replacement cost for the materials and labor to repair or reconstruct a similar.
- Compensation for Loss of Graves Compensation will be paid for the affected graves based on the Schedule. In addition, HRRIIP will pay an additional grant to ensure that compensation received is
   Construction Construction of new grave.
- 10. Construction Employment People affected by permanent or temporary loss of land or by damage or loss of crops, trees or structures will be given priority for employment by contractors for civil works and/or maintenance works on the road, preferably on road sections where they own the customary land, provided that these applicants are qualified to perform the work required.
- 11. Shifting Allowance —The value of the shifting allowance will be calculated based on the provincial the time that the shifting allowance is paid, the landowner will sign an agreement with DOW and/or upgrade/rehabilitate the road.
- 12. Business Disruption Allowance APs that own a temporary or semi-permanent structure that is used as a trade store or for other business purposes that must be shifted a short distance to a location outside the area designated for the road are entitled to an allowance to cover the loss of business income while the structure is being shifted calculated based on the provincial minimum wage as established by the Minimum Wage Board for a period equal to number of days of disrupted
- 13. Time for Valuation of Assets The valuation of assets will be made at the time of the detailed measurement survey (DMS) conducted following completion of detailed engineering design calculated based on the Valuer General's Compensation Schedule and assessing the requirement for additional grants and the grant amount based on existing conditions in the subproject area.
- 14. Delayed Payment If payment of compensation is delayed, compensation rates will be updated the time of compensation payment. Changes to compensation at replacement cost at approved by the office of the Valuer General.
- 15. Full Payment of Compensation APs are entitled to payment of all compensation based on the DMS prior to clearance of land and start of civil works. DOW will ensure that all procedures are followed to facilitate payment of APs prior to the start of civil works. In the case of affected crops,

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trees and structures, the compensation owed will be paid directly to the person who owns these

16. All land acquisition activities will be coordinated with the civil works schedule. Civil works contractors will not be issued a notice of possession of the site until (i) compensation and relocation of APs have been satisfactorily completed; (ii) agreed rehabilitation assistance is in place; and, (iii) the site is free of all encumbrances.

#### General Conditions

1. If the negotiated agreement for the use of the customary land, both for the existing road and for the whole road section as described earlier have not been attained for any cause, both parties agree that this memorandum of agreement will become null and void and unenforceable to any or both parties; In this case, the State through the DOW will inform in writing the clans and communities through their leaders and representatives about this development and this is sufficient notice for the State to invoke the unenforceability of the MOA;

2. The State through the DOW and its consultant together with the provincial, district and ward administrations will conduct periodic consultations and encourage active participation of affected clans and communities covered by this road section to inform and update all stakeholders of the

development of the project;

3. The State through the DOW in collaboration with the provincial and/or district land officer will institute a grievance process based on the accepted practices of mediation to address any complaint or issue regarding the valuation of asset or any resettlement related matter. If the complaint or issue is not resolved in this level, the HRRIIP will adopt procedures to refer matters to the system of land courts as set out in the Land Disputes Settlement Act;

4. In the event of grievances that cannot be resolved through mediation at the local level, the State through the relevant authorities will hold the compensation amounts in escrow. Compensation will be paid in full upon final resolution of the case in the courts or other forum, in accordance with the

entitlements of the affected person;

5. This MOA repeals and/or supersedes any written or verbal agreement for the use of customary land on the existing road carriage and the proposed road referred to in Section 2 of this MOA issued previously by either the DLPP, DOW and the customary land owners;

No amendment or additional terms and conditions to this MOA shall be deemed binding between the parties unless mutually agreed upon by them in writing.

IN WITNESS WHEREOF, we have hereunto affixed our signatures this \_\_\_\_ day of \_ By and on behalf of the Independent State of Papua New Guinea Minister for Works

(Name and Signature)

(Designation)

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# **ANNEX 2**

TOR FOR INDEPENDENT MONITORING ORGANIZATION

## A. External Monitoring Objectives

- 1. The objectives for external monitoring are to provide an independent review and assessment of (i) the achievement of HRRIIP resettlement objectives and principles, (ii) the effectiveness, impact and sustainability of entitlements, (iii) the need for further mitigation measures if any, and (iv) to identify strategic lessons for future policy formulation and planning.
- B. Hiring, Qualifications and Timing
- 2. In accordance with ADB requirements for consultant procurement, HRMG will engage an individual or organization for the independent monitoring and evaluation of RP implementation. The individual or organization, to be called the Independent Monitoring Organization (IMO), will be a) a specialist and/or specialized in social sciences and b) experienced in resettlement monitoring for international agencies. All candidates will be academically trained as social anthropologists and/or sociologists.
- C. Monitoring and Evaluation Indicators
- 3. The following indicators will be monitored and evaluated by the IMO:
- (i) Public consultation and disclosure: a) APs and other stakeholders should be fully informed and consulted about land acquisition activities; b) the monitoring team should attend public consultation meetings to monitor procedures, problems and issues that arise during the meetings and solutions that are proposed; c) public awareness of the compensation policy and entitlements will be assessed among APs.
- (ii) Identification of APs and their entitlements: a) all APs identified and informed of their rights and entitlements; b) participatory process to collect data on affected assets; c) calculation of compensation and allowances according to HRRIIP policies.
- (iii) Payment of compensation: a) full payment to be made to all APs sufficiently before land acquisition; adequacy of payment to replace affected assets; b) prompt attention to unforeseen damages or losses, to ensure APs are fully compensated for losses.
- (iv) Co-ordination of resettlement activities with construction schedule: The completion of land acquisition and resettlement activities for any sub-project to be completed prior to the approval to award of the civil works contract for that sub-project.
- (v) Restoration of productive activities: Affected persons should be monitored regarding restoration of productive activities so as to ensure the process is satisfactory for the APs.
- (vi) The level of satisfaction of APs with various aspects of the RP: This will assessed, reviewed and recorded, and the operation of the mechanisms for grievance redress and the speed of grievance redress will be monitored.

### D. Methodology

- 4. The methodology for monitoring and evaluation of the preparation and implementation of land acquisition activities associated with HRRIIP tranches will include the following activities:
- 1. Detailed Measurement Survey
- 5. The detailed measurement survey (DMS) is to provide data on 100% of APs. The DMS will establish a database for each AP in terms of his/her social-economic status, the nature and extent of losses suffered, compensation and entitlements etc. Data will be disaggregated according to LLG and district. This database will become the basis for compensation and for monitoring the benefits as well as entitlements the AP receives during the process of implementation.

6. As soon as the detailed engineering design is finalized and marked on the ground, the HRMG, PLO/DLO and LLG officials for each road section will carry out the DMS with the full participation of all APs. The IMO will monitor the DMS process. The resulting data will be made available to the IMO to enable them to create their initial database.

# 2. Socio-Economic Survey

- 7. In conjunction with the preparation of detailed engineering design, HRMG will conduct a baseline social survey in communities along the subproject road. The IMO will collaborate with the HRMG to ensure that data are collected to provide a baseline for external monitoring, including:
- (i) Inclusion of 20% of APs in the samples of households and business owners that are surveyed.
- (ii) Baseline data to document the characteristics of AP households including demographic, education, income and occupational profiles; livelihood and production systems, economic activities, income sources and poverty levels; access to and use of land and natural resources, tenure security and common property resources; and, social and cultural systems and networks. All data must be disaggregated, as relevant, by gender, tribal group and income group.
- 8. Special attention should be paid so that women, elderly persons and other vulnerable target groups are not omitted and/or overlooked. The sample should have, as far as possible, equal representation of male and female respondents. Certain set questions in the interview should be specifically marked and answered only by female members of the household and/or those who are vulnerable (such as the lonely elderly, people with disabilities etc). Data should be disaggregated according to gender, age, ethnicity and socioeconomic status where appropriate.

# 3. Participatory Rapid Appraisals

- 9. The IMO will conduct periodic participatory rapid appraisals (PRA) to consult with the various stakeholders (local government, implementing agencies, social organizations, community leaders and APs). PRA will involve obtaining information, identifying problems and finding solutions through participatory means, which will include the following:
- (i) Key informant interviews with selected local leaders at village, LLG and district levels; and, informal surveys and interviews with APs, vulnerable groups and other stakeholders.
- (ii) Community public meetings to discuss community losses and impacts and construction work employment; as required, separate meetings will be organized with women or other groups who because of cultural constraints are less likely to contribute in general community meetings'
- (iii) Structured direct field observations on the status of land acquisition activities in addition to individual and groups interview for cross-checking purposes.

#### E. Database Management and Storage

10. The IMO will collaborate with HRMG to establish and maintain a database of resettlement monitoring information. It will contain certain files on each affected household and, as required, will be updated based on information to reflect changes in socio-economic conditions. All databases compiled will be fully accessible by all implementing agencies and those involved in the management of land acquisition activities.

### F. Reporting

- 11. The IMO is required to file monitoring reports at intervals to be agreed (generally, once or twice per year). These monitoring reports shall be directly submitted to HRMG and the ADB. The report should contain the following topics:
- (i) Progress of land acquisition and compensation activities;
- (ii) Deviations, if any, from the provisions and principles of the RP and an explanation thereof:
- (iii) Identification of problem issues and recommended solutions so that implementing agencies are informed about the ongoing situation and can resolve problems in a timely manner; and
- (iv) Progress of the follow-up of problems and issues identified in the previous report.
- G. Monitoring Report Follow-up
- 12. The monitoring reports will be discussed in a meeting between the IMO, HRMG and the other implementing agencies (e.g., PLO/DLO) held immediately after submission of the report. Necessary follow-up action will be taken based on the problems and issues identified in the reports and follow-up discussions.

#### H. Evaluation

13. For each HRRIIP subproject, the IMO will conduct an evaluation of the resettlement process and outcomes 6-12 months after completion of all land acquisition and compensation activities, using the same survey questionnaire and sample as used during the monitoring activities.

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50 51 52					718.30 470.00		0.00	0.00	718.30 470.00

53         Buka         0         0         ht         74.00         0.00         0.00           Peter         5+74         5+79         Rig         0         0         0         0.00           54         Link         0         0         ht         440.60         30.00         0.00           Francis         5+84         5+88         Rig         0         0.00         0.00         0.00           Peter         5+86         5+88         Rig         0         0.00         0.00         0.00           John         5+92         6+20         Rig         1,000.         0.00         0.00           57         Peter         0         0         ht         3,246.00         00         0.00           58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         0         0         0.00           Boldi         7+08         7+16         Rig         1,600.0         0         0.00           Temapa United Onlited 61         7+24 0         Rig         0         0.00         0.00           Adw	470.60 335.50 60.00 4,246.0 0 586.80 43.00 2,452.3
Peter         5+74         5+79         Rig         440.60         30.00         0.00           Francis         5+84         5+88         Rig         0         0.00         0.00         0.00           Sowal         0         0         ht         335.50         0.00         0.00           Peter         5+86         5+88         Rig         0.00         0.00         0.00           John         5+92         6+20         Rig         1,000.         0.00         0.00           57         Peter         0         0         ht         3,246.00         00         0.00           Cas         6+58         7+06         Rig         0.00         0.00         0.00           58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         0.00         28.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa         7+16         Rig         ht         199.60         0.00         0.00           Adward         7+24         7+26	470.60 335.50 60.00 4,246.0 0 586.80 43.00 2,452.3
54         Link         0         0         ht         440.60         30.00         0.00           Francis         5+84         5+88         Rig         0         0.00         0.00           55         Sowal         0         0         ht         335.50         0.00         0.00           Peter         5+86         5+88         Rig         0.00         0.00         0.00           John         5+92         6+20         Rig         1,000.         0.00           57         Peter         0         0         ht         3,246.00         00         0.00           Cas         6+58         7+06         Rig         0         0.00         0.00           58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         0         0.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa         7+16         Rig         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0<	335.50 60.00 4,246.0 0 586.80 43.00 2,452.3
55         Sowal         0         0         ht         335.50         0.00         0.00           Peter         5+86         5+88         Rig         0         0.00         0.00           56         Undri         0         0         ht         60.00         0.00         0.00           John         5+92         6+20         Rig         1,000.         0.00           57         Peter         0         0         ht         3,246.00         00         0.00           Cas         6+58         7+06         Rig         0         0.00         0.00         0.00           58         Rapa         0         6         ht         586.80         0.00         0.00         0.00           Billy         7+06         7+08         Rig         0         0.00         28.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa         7+16         Rig         Rig         0         0.00         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00         0.00 <t< td=""><td>335.50 60.00 4,246.0 0 586.80 43.00 2,452.3</td></t<>	335.50 60.00 4,246.0 0 586.80 43.00 2,452.3
55         Sowal         0         0         ht         335.50         0.00         0.00           Peter         5+86         5+88         Rig         0         0.00         0.00           John         5+92         6+20         Rig         1,000.         0.00           57         Peter         0         0         ht         3,246.00         00         0.00           Cas         6+58         7+06         Rig         0         0.00         0.00         0.00           Billy         7+06         7+08         Rig         0         0.00         0.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa United         7+16         Rig         Rig         0         0.00         0.00           Adward         7+24         6         ht         199.60         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00           Adward         6         6         ht         38.00         7.00         0.00	0 60.00 4,246.0 0 586.80 0 43.00 2,452.3
Peter         5+86         5+88         Rig         0         0.00         0.00           John         5+92         6+20         Rig         1,000.         0.00           57         Peter         0         0         ht         3,246.00         00         0.00           Cas         6+58         7+06         Rig         0         0.00         0.00         0.00           S8         Rapa         0         6         ht         586.80         0.00         0.00         0.00           Billy         7+06         7+08         Rig         0         0         0.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa United         7+16         Rig         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	0 60.00 4,246.0 0 586.80 0 43.00 2,452.3
56         Undri         0         0         ht         60.00         0.00         0.00           John         5+92         6+20         Rig         1,000.         1,000.         0.00           57         Peter         0         0         ht         3,246.00         00         0.00           Cas         6+58         7+06         Rig         0         0.00         0.00           58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         0         0.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0         0.00           Temapa United         7+16         7+24         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	4,246.0 0 586.80 43.00 2,452.3
John         5+92         6+20         Rig         1,000.         0         0.00           Cas         6+58         7+06         Rig         0         0.00         0.00           58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         0.00         0.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa United         7+16         7+24         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0.00         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	4,246.0 0 586.80 43.00 2,452.3
57         Peter         0         0         ht         3,246.00         00         0.00           Cas         6+58         7+06         Rig         0         0.00         0.00           58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         0         0.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa United         7+16         Rig         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	0 0 586.80 0 43.00 2,452.3
Cas         6+58         7+06         Rig           58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         28.00         0.00           59         Thomas         6         0         ht         15.00         28.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa United 61         7+16 0         7+24 6         Rig ht         199.60         0.00         0.00           Adward 62         7+24 0         7+26 6         Rig ht         38.00         7.00         0.00	586.80 0 43.00 2,452.3
58         Rapa         0         6         ht         586.80         0.00         0.00           Billy         7+06         7+08         Rig         28.00         0.00           59         Thomas         6         0         ht         15.00         28.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa United 61         7+16 0         7+24 6         Rig ht         199.60         0.00         0.00           Adward 62         7+24 0         7+26 6         Rig ht         38.00         7.00         0.00	) 43.00 2,452.3
Billy         7+06         7+08         Rig         28.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00           Boldi         7+08         7+16         Rig         0.00         0.00           Temapa United         7+16         7+24         Rig         0.00         0.00           Adward         7+24         7+26         Rig         0.00         0.00           Adward         7+24         7+26         Rig         0.00         7.00         0.00	) 43.00 2,452.3
59         Thomas         6         0         ht         15.00         28.00         0.00           Boldi         7+08         7+16         Rig         1,600.0         0.00         0.00           Temapa United         7+16         7+24         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	2,452.3
Boldi         7+08         7+16         Rig         1,600.0         0.00           Heron         0         0         ht         852.30         0         0.00         0.00           Temapa United         7+16         7+24         Rig         0         0.00         0.00           Adward         7+24         7+26         Rig         0.00         0.00         0.00           Adward         7+24         7+26         Rig         0.00         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	2,452.3
60         Heron         0         0         ht         852.30         0         0.00         0.00           Temapa United Of Church         7+16 Of Church         7+24 Of Church         Rig Of Church         0         0.00         0.00         0.00           Adward Of Church         7+24 Of Church         Rig Of Church         0         0.00         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	
60         Heron         0         0         ht         852.30         0         0.00         0.00           Temapa United Of Church         7+16 Of Church         7+24 Of Church         Rig Of Church         0         0.00         0.00         0.00           Adward Of Church         7+24 Of Church         Rig Of Church         0         0.00         0.00         0.00           62         Ondue         6         6         ht         38.00         7.00         0.00	
Temapa United 6 Rig ht 199.60 0.00 0.00 0.00 0.00 0.00 0.00 0.00	
United 0 6 Rig 0 0.00 0.00 0.00 Adward 7+24 7+26 Rig 62 Ondue 6 6 ht 38.00 7.00 0.00	
Adward   7+24   7+26   Rig	
62 Ondue 6 6 ht 38.00 7.00 0.00	199.60
62 Ondue 6 6 ht 38.00 7.00 0.00	
	45.00
63 Paik 6 6 ht 65.50 0 0.00	495.50
Thomas 7+30 7+40 Rig	
64 Kuru 6 4 ht 336.20 0.00 0.00	336.20
Billy 7+40 7+46 Rig	
65 Thomas 6 0 ht 49.20 0.00 0.00	49.20
Episo 7+46 7+54 Rig	
66 Yomec 0 0 ht 50.40 0.00 0.00	50.40
James 7+54 7+58 Rig	
67 Mela 0 0 ht 15.00 0.00 0.00	15.00
Tolly 7+58 7+67 Rig	1,408.6
68 Michael 0 5 ht 1,408.60 0.00 0.00	
Kunjup 7+67 7+70 Rig	
69 Kem 5 0 ht 73.60 0.00 0.00	73.60
Roselyn 7+70 7+84 Rig	
70 Human 0 0 ht 145.80 0.00 0.00	145.80
PS. Peter 7+84 8+03 Rig 388.0	
71 Pondo 0 4 ht 40.80 0 0.00	428.80
John 8+03 8+10 Rig	
72 Pank 4 0 ht 188.40 0.00 0.00	188.40
Diekson	
Momoka   8+10   8+20   Rig	
73 ni 0 0 ht 827.00 28.00 0.00	855.00
Council	
	1,405.5
74 Maya 0 8 ht 1,365.50 40.00 0.00	
Paul 8+36 8+48 Rig	2,832.0
75 Peke 8 0 ht 2,792.00 40.00 0.00	
Benson 8+48 8+54 Rig	
76 Kol 0 4 ht 70.00 0.00 0.00	70.00
Peter 8+54 8+60 Rig 112.0	
77 Kaimb 4 0 ht 1,018.00 0 0.00	1,130.0

78	Serip Kondua	8+60 0	9+00 0	Rig ht	1,965.00		40.00	0.00	2,005.0
70	Peter	9+00	9+48	Rig	1,505.00		40.00	0.00	1,411.0
79	Link	0	0	ht	1,411.00		0.00	0.00	0
80	Issack Toro	9+48 0	9+96 0	Rig ht	201.00		0.00	0.00	201.00
81	Lun Nopi	9+96 0	10+4 20	Rig ht	339.80		0.00	0.00	339.80
	Enep	10+4	10+7	Rig					
82	Clan	20	40	ht	34.50		0.00	0.00	34.50
0.2	Kaibuso	10+7 40	10+9 40	Rig	04.60		0.00	0.00	04.60
83	Undaki Ps. Phil	10+9	11+0	ht Rig	81.60		0.00	0.00	81.60
84	Yombo	40	20	ht	280.50		0.00	0.00	280.50
		11+0	11+1	Rig	200.00		0.00	0.00	200.00
85	Kendi Til	20	80	ht	96.80		0.00	0.00	96.80
	Mek	11+1	11+1	Rig					
86	Dopo	08	40	ht	40.00		0.00	0.00	40.00
0.7	Ess Raik	11+1	11+1	Rig	40.00		0.00	0.00	40.00
87	Malon	08 11+1	40 11+1	ht	48.00		0.00	0.00	48.00
88	Walop Alu	08	40	Rig ht	237.60		0.00	0.00	237.60
-00	Junior	11+1	11+1	Rig	207.00		0.00	0.00	207.00
89	Tera	40	80	ht	100.00		0.00	0.00	100.00
	Andy	11+1	11+2	Rig					
90	Simon	80	20	ht	24.00		0.00	0.00	24.00
	Moldu	11+1	11+2	Rig					
91	Westo	80	20	ht	132.00		0.00	0.00	132.00
00	Danny	11+2	11+2	Rig	447.00		40.00	0.00	400.00
92	Kun	20 11+2	60 11+3	ht	117.00		16.00	0.00	133.00
93	Walop Alu	60	00	Rig ht	12.00		0.00	0.00	12.00
90	Dominic	11+5	11+6	Rig	12.00		0.00	0.00	12.00
94	Wek	05	80	ht	857.50		0.00	0.00	857.50
	Mek	11+6	11+7	Rig			100.0		
95	Dopo	80	20	ht	375.00		0	0.00	475.00
	Danny		11+7						
96	Molu	20	68	ht	10.50		0.00	0.00	10.50
0.7	Jack	11+7	11+9	Rig	0.007.50		200.0	0.00	3,437.5
97	Dodo	68	20	ht	3,237.50		0	0.00	0
98	Charls Kolot	12+5 80	12+6 60	Rig ht	105.00		80.00	0.00	185.00
90	Mathew	12+6	12+8	Rig	105.00		80.00	0.00	100.00
99	Kolot	60	32	ht	302.50		60.00	0.00	362.50
10	Peter	12+8	12+8	Rig			,	2.00	
0	Kogepina	32	52	ht	32.00		40.00	0.00	72.00
10	Timothy	12+8	12+9	Rig			104.0		
1	Kuskus	52	04	ht	56.00		0	0.00	160.00
10	Kolman	12+9	12+9	Rig	404.00		0.00	0.00	104.00
2	Kuma	04	40	ht	104.00		0.00	0.00	104.00
10 3	Clement Spendi	12+9 40	13+0 00	Rig ht	29.00		120.0	0.00	149.00
10	Paul	13+0	13+0	Rig	28.00	4,000.0	U	0.00	4,107.6
4	Posu	00	80	ht	107.60	0	0.00	0.00	0
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10 5	Peter Sipendi	13+0 80	13+1 55	Rig ht	949.10		120.0 0		0.00	1,069.1 0
10 6	Kondaka C/Church	13+1 55	13+2 40	Rig ht	48.00		160.0 0		0.00	208.00
10 7	Malaki Norongi	13+3 10	13+3 15	Rig ht	11.60	2,100.0 0	0.00	120.0 0	0.00	2,231.6 0
10 8	Geri Nepe	13+3 10	13+3 15	Rig ht	13.00	0.00	0.00		0.00	13.00
10 9	Micheal Keno	13+3 15	13+3 20	Rig ht	12.00	0.00	0.00		0.00	12.00
11	James Konaya	13+3	13+3 30	Rig ht	18.00	0.00	20.00		0.00	38.00
11	Rems Purrem	13+3 69	13+4	Rig ht	324.50	0.00	62.00		0.00	386.50
11 2 11	Firman Angu	13+4 00 13+4	13+4 52 13+4	Rig ht	66.00	0.00	0.00		0.00	66.00
3	Elly Peter Susan	00	52 13+4	Rig ht	24.00	0.00	0.00		0.00	24.00
4	Sikipi	00	52	Rig ht	92.30	0.00	0		0.00	196.30
5	Numba Koku Owen	00 13+4	13+4 52 13+4	Rig ht Rig	127.00	0.00	0.00		0.00	127.00
6	Wanpis	52	60	ht	29.10	0.00	16.00		0.00	45.10
11 7 11	Jack Serum	13+4 52	13+4 62	Rig ht	52.70	0.00	0.00		0.00	52.70
8	Klitus Yani	13+4 52 13+6	13+6 08 13+7	Rig ht	776.80	0.00	360.0 0 224.0		0.00	1,136.8 0
9	Mark Alu	80	20	Rig ht	49.00	0.00	0		0.00	273.00
0	Thomas Tomba	13+7	13+7 69	Rig ht	126.20	0.00	98.00		0.00	224.20
12 1 12	Freddy Lepil	13+7 69	13+7 90	Rig ht	49.00	0.00	42.00		0.00	91.00
2	Joseph Alopa	13+7 90	13+8 54	Rig ht	80.30	0.00	60.00		0.00	140.30
12 3 12	James Serum	13+8 54	80	ht	56.40	0.00	0.00		0.00	56.40
4	Thomas Tomba	13+8	13+9	Rig ht	71.00	0.00	20.00	100.0	0.00	91.00
12 5	James Takopa	13+9	14+0 04	Rig ht	118.00	2,450.0	0.00	120.0	0.00	2,688.0
12 6	Lorance Julies	14+0	14+0 40	Rig ht	310.50	2,100.0 0	40.00	120.0	0.00	2,570.5 0
12 7	Wake Kurum	14+0 40	14+1	Rig ht	516.00	0.00	240.0		0.00	756.00
12 8	Paul Ningpa	14+1	14+1 90	Rig ht	358.00	0.00	60.00		0.00	418.00
12 9	Levi Sipendi	14+1 90	14+2	Rig ht	105.10	0.00	20.00		0.00	125.10
13	Pipa Sependi	14+2	14+2 32	Rig ht	74.70	0.00	64.00		0.00	138.70
13 1	Levi Sipendi	14+2 32	14+2 68	Rig ht	233.80	0.00	50.00		0.00	283.80

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13	Fabian	14+2	14+3	Rig	FC4 00	0.00	244.0		0.00	005.00
2	Pis	68	90	ht	561.00	0.00	0		0.00	805.00
13	David	14+3	14+4	Rig	225.00	0.00	0.00		0.00	225.00
3	Bur	90	40	ht	335.00	0.00	0.00		0.00	335.00
13	Eliza	14+4	14+4	Rig	40.00	0.00	00.00		0.00	100.00
4	David	40	92	ht	46.00	0.00	80.00		0.00	126.00
13	Samson	14+4	14+5	Rig	0.00	0.00	00.00		0.00	00.00
5	Rambi	92	32	ht	8.00	0.00	80.00		0.00	88.00
13	Micheal	14+5	14+5	Rig	407.40	0.00	40.00		0.00	475.40
6	Rambi	32	80	ht	127.10	0.00	48.00		0.00	175.10
13	Danny	14+5	14+6	Rig	0.4.00		120.0			
7	Rambe	80	40	ht	21.20	0.00	0		0.00	141.20
	Pastor	14+6	14+7							
13	Thomas	40	20	Rig			130.0			1,013.5
8	Akon			ht	883.50	0.00	0	100.0	0.00	0
13	Ali .	14+7	14+8	Rig		2,100.0		120.0		2,416.0
9	wanpis	20	04	ht	176.00	0	20.00	0	0.00	0
14	Clitus	14+8	14+8	Rig						
0	Pinel	04	25	ht	123.00	0.00	30.00		0.00	153.00
14	Jackery	14+8	14+8	Rig						
1	Yagan	25	72	ht	252.30		60.00		0.00	312.30
14	Haris	14+8	14+9	Rig						
2	Sapsil	72	20	ht	107.00	0.00	96.00		0.00	203.00
14	Lepil Karl	14+8	14+9	Rig						
3		72	20	ht	0.00	0.00	96.00		0.00	96.00
14	Kipam	14+9	14+9	Rig						
4	Opa	20	45	ht	9.20	0.00	0.00		0.00	9.20
14	Robert	14+9	15+0	Rig						
5	Wandi	45	00	ht	14.00	0.00	20.00		0.00	34.00
14	Rom	15+0	15+0	Rig			104.0			
6	Kola	00	52	ht	149.50	0.00	0		0.00	253.50
14	Kevin	15+0	15+0	Rig						
7	Kera	52	70	ht	23.50	0.00	0.00		0.00	23.50
14	Erias	15+0	15+1	Rig			100.0			
8	Yangan	52	20	ht	47.70	0.00	0		0.00	147.70
14	Philip	15+1	15+1	Rig			132.0			
9	Gunwa	20	86	ht	29.00	0.00	0		0.00	161.00
15	Lonil Korl	15+1	15+2	Rig						
0	Lepil Karl	86	00	ht	14.50	0.00	20.00		0.00	34.50
15	John	15+2	15+2	Rig						
1	Semane	35	40	ht	7.00	0.00	0.00		0.00	7.00
15	Norman	15+2	15+2	Rig			]			
2	Takis	00	35	ht	90.00	0.00	70.00		0.00	160.00
15		15+2	15+2	Rig						
3	Iven Mul	40	60	ht	80.20	0.00	40.00		0.00	120.20
15	Ponenge	15+2	15+3	Rig						
4	Mexil	60	06	ht	30.40	0.00	92.00		0.00	122.40
15	Gas	15+3	15+3	Rig						
5	Pimbur	06	50	ht	106.50	0.00	88.00		0.00	194.50
15	Christina	15+3	15+3	Rig						
6	Martin	50	68	ht	21.30	0.00	36.00		0.00	57.30
15	Clitus	15+3	15+4	Rig	-					
7	Pinel	68	10	ht	82.00	0.00	0.00		0.00	82.00
	Pinal	15+3	15+4	Rig	42.20	0.00	50.00		0.00	92.20
15	ГШа									

8	Omil	68	10	ht						
15	Jeremiah	15+4	15+5	Rig			220.0			
9	Unda	10	20	ht	18.00	0.00	0		0.00	238.00
16	Wos	15+4	15+5	Rig	10.00	0.00			0.00	200.00
0	Gorama	10	20	ht	812.10	0.00	0.00		0.00	812.10
16	James	15+5	15+5	Rig	012.10	5,600.0	0.00	120.0	0.00	7,190.0
1	Anda	20	60	ht	1,470.00	0	0.00	0	0.00	0
16	James	15+5	15+5	Rig	1,470.00	U	0.00	U	0.00	
2	Anda	20	60	ht	455.00		80.00		0.00	535.00
16	Ali	15+5	15+5	Rig	455.00		80.00		0.00	333.00
3	wanpis	60	80	ht	328.00		40.00		0.00	368.00
16		15+5	15+6		320.00		40.00		0.00	300.00
4	Sapul Anda	80	10	Rig	150.00		60.00		0.00	210.00
		15+6	15+6	ht	150.00		60.00		0.00	
16	Pet William	10+6	48	Rig	1 100 20		76.00		0.00	1,176.3
5				ht	1,100.30		76.00		0.00	0
16	Sakias	15+6	15+6	Rig	400.00		44.00		0.00	407.00
6	Unda	48	70	ht	123.00		44.00		0.00	167.00
1.0	John	15+6								
16	Anda	70	15+6	Rig		2,500.0				2,500.0
7			80	ht	0.00	0	0.00		0.00	0
16	John	15+6	15+6	Rig		3,100.0				3,100.0
8	Anda	70	80	ht	0.00	0	0.00		0.00	0
16	Benny	15+6	15+7	Rig						
9	Aruru	70	50	ht	132.50		80.00		0.00	212.50
17	Maria	15+7	15+8	Rig						
0	Semal	50	30	ht	433.50		0.00		0.00	433.50
17	Pera	15+8	15+8	Rig						
1	Waru	30	60	ht	32.00		0.00		0.00	32.00
17	Frank	15+8	15+9	Rig						
2	Kuruma	60	20	ht	110.00		0.00		0.00	110.00
17	Buka	15+9	15+9	Rig						
3	Nonda	40	70	ht	95.10		60.00		0.00	155.10
	Ninina	15.0								
17	Ninipa	15+9	16+0	Rig						
4	John	70	05	ht	129.50		30.00		0.00	159.50
17	Junior	16+0	16+0	Rig						
5	Nathan	05	80	ht	32.80		0.00		0.00	32.80
17	John	16+0	16+0	Rig			100.0			1,156.0
6	Peia	05	80	ht	1,056.00		0		0.00	0
17	Malu	16+0	16+1	Rig	,					
7	Sakarias	80	00	ht	46.60		0.00		0.00	46.60
17	Kumb	16+1	16+1	Rig						
8	Malu	00	10	ht	100.00		0.00		0.00	100.00
17	Enoch	16+1	16+1	Rig						
9	Mau	10	20	ht	166.50		0.00		0.00	166.50
18		16+1	16+1	Rig			0.00		0.00	. 55.55
0	Ben Malu	20	30	ht	41.20		0.00		0.00	41.20
18	Amos	16+1	16+1	Rig	71.40		0.00		0.00	71.20
1	Malu	30	50	ht	94.00		0.00		0.00	94.00
18					<i>3</i> 4.00	4 200 0	0.00	120.0	0.00	
	Maria	16+1 50	16+1	Rig	0.00	4,200.0	0.00		0.00	4,320.0
2	Noli		86	ht	0.00	0	0.00	0	0.00	0
18	Inge Wer	16+1	16+2	Rig	61.70		0.00		0.00	61.70
3	<u> </u>	86	68	ht	61.70		0.00		0.00	61.70
18	Henry	16+2	16+3	Rig	23.00		0.00		0.00	23.00

4	Sumunda	68	00	ht					
18	Simon	16+3	16+4	Rig					
5	Nikia	00	20	ht	28.50		0.00	0.00	28.50
18		16+4	16+9	Rig			0.00		
6	Wili Kera	20	00	ht	118.40		0.00	0.00	118.40
18	Henry	16+9	16+9	Rig			0.00	0.00	
7	Nana	00	20	ht	50.50		0.00	0.00	50.50
18	Bejamin	16+9	16+9	Rig	00.00		0.00	0.00	00.00
8	Rero	20	80	ht	48.50		0.00	0.00	48.50
18	Kips	16+9	17+0	Rig	40.00		0.00	0.00	40.00
9	Mara	80	40	ht	76.00		0.00	0.00	76.00
19	Pr.Make	17+0	17+0	Rig	70.00		110.0	0.00	70.00
0	Mepo	40	95	ht	422.20		0	0.00	532.20
		10			722.20			0.00	002.20
19	Awa	17+0	17+1	Rig					
1	Sapsi	95	80	ht	20.00			0.00	20.00
19	George	17+1	17+2	Rig	20.00			0.00	20.00
2	Nomba	80	70	ht	44.00		0.00	0.00	44.00
19	Rawa	17+2	17+3	Rig	77.00		0.00	0.00	77.00
3	Pombra	70	00	ht	63.70		92.00	0.00	155.70
19	Gibson	17+3	17+4	Rig	03.70		200.0	0.00	3,016.4
4	Pombra	00	40	ht	2,816.40		0	0.00	0
19	David	17+4	17+5	Rig	2,610.40		0	0.00	0
5	Beri	40	90	ht	120.60		0.00	0.00	120.60
19	Mekricka	17+5	17+5		120.00		180.0	0.00	120.00
6		00	90	Rig ht	0.00		0	0.00	180.00
	Clancy	17+5	17+5		0.00		180.0	0.00	160.00
19 7	Paul Kata	00	90	Rig ht	75.00		0	0.00	255.00
	Pukri	17+5	17+6		75.00		U	0.00	255.00
19				Rig	45 50		0.00	0.00	45 50
8 19	Kisombo	90	35	ht	45.50		0.00	0.00	45.50
	NinidelKi	17+6	17+6	Rig	26.00		0.00	0.00	26.00
9	sombo	35	50	ht	36.00		0.00	0.00	36.00
20	Francis	17+6	17+7	Rig	405.00		260.0	0.00	445.00
0	Alalo Peter	50	54	ht	185.60		0	0.00	445.60
20		17+7	17+7	Rig	50.40	400.00	20.00	0.00	500.40
1	Kisombo	54	80	ht	59.10	480.00	30.00	0.00	569.10
20	Toyambo	17+7	17+8	Rig	054.00		140.0	0.00	004.00
2	Kisambo	80	52	ht	251.00		0	0.00	391.00
20	Daimen	17+8	17+9	Rig	04.50		00.00	0.00	407.50
3	Kisambo	52	00	ht	91.50		96.00	0.00	187.50
20	John	17+9	18+0	Rig	400.00		0.00	0.00	400.00
4	Kambu	00	00	ht	162.60		0.00	0.00	162.60
20	Waga	18+0	18+1	Rig	700.00		360.0	0.00	1,143.2
5	Tami	00	80	ht	783.20		0	0.00	0
20	wake	18+0	18+1	Rig	050.00		360.0	0.00	040.00
6	Tame	00	80	ht	253.30		0	0.00	613.30
20	Kera	18+1	18+2	Rig	0.50			0.00	00.50
7	Family	80	30	ht	3.50		90.00	0.00	93.50
20	Thomas	18+2	18+2	Rig	00		120.0		000 -
8	Lupa	30	90	ht	86.50	0.455.5	0	0.00	206.50
20	TIC/Stanl	18+2	18+4	Rig	045.05	2,100.0	274.0	0.05	2,589.9
9	ey Nobert	90	30	ht	215.90	0	0	0.00	0
21	Norman	18+5	18+7	Rig					
0	Wangi	60	40	ht	66.50		80.00	0.00	146.50

21		18+6	18+7	Rig	 	100.0		1 1
1	Felix Ogi	30	40	ht	201.10	0	0.00	301.10
21	Nathan	18+7	18+8	Rig		120.0		
2	Simon	40	00	ht	228.00	0	0.00	348.00
21	Wesley	18+8	18+8	Rig	400.00	340.0		500.00
3	Simon	00	80	ht	182.00	0	0.00	522.00
21	Simon	18+8 80	18+9 60	Rig ht	220.60	0.00	0.00	220.60
4 21	Poss Marley	18+9	19+0	Rig	329.60	120.0	0.00	329.60
5	Brian	60	20	ht	88.70	0	0.00	208.70
21	Philip	19+0	19+1	Rig	00.70	0	0.00	200.70
6	Norbet	20	12	ht	15.80	0.00	0.00	15.80
21	Council	19+1	19+1	Rig			0.00	10100
7	Pee	12	50	ht	146.10	0.00	0.00	146.10
21	Jackson	19+1	19+1	Rig				
8	John	50	80	ht	33.80	60.00	0.00	93.80
21	Manapa	19+1	19+1	Rig				
9	S	80	95	ht	4.40	0.00	0.00	4.40
22	Brian	19+1	19+2	Rig				
0	Tasa	95	20	ht	72.60	50.00	0.00	122.60
22	Barnabas	19+2	19+3	Rig	004.00	140.0		074.00
1	Kalandu	20	10	ht	231.80	0	0.00	371.80
22	Thomas	19+3	19+3	Rig	45 50	0.00	0.00	45 50
2 22	Tisa Sam	10 19+3	20 19+3	ht	45.50	0.00	0.00	45.50
3	Konwal	20	40	Rig ht	16.00	40.00	0.00	56.00
22	Philip	19+3	19+3	Rig	10.00	40.00	0.00	30.00
4	Norbert	40	60	ht	290.00	0.00	0.00	290.00
22	Lucas	19+3	19+3	Rig	200.00	100.0	0.00	200.00
5	Nana	60	90	ht	20.50	0	0.00	120.50
22	Frank	19+3	19+4	Rig		140.0		
6	Othma	90	60	ht	194.00	0	0.00	334.00
22	John	19+4	19+5	Rig				
7	Kepa	60	10	ht	226.00	0.00	0.00	226.00
22	Kuh Ono	19+5	19+6	Rig				
8		10	00	ht	237.60	0.00	0.00	237.60
22	Nipu	19+6	19+6	Rig				
9	Owno	00	80	ht	190.50	40.00	0.00	230.50
23	Niron	19+6	19+7	Rig	500.00	200.0	0.00	700.00
0	Marina	80	80	ht	568.00	0	0.00	768.00
23 1	Noring Sangai	19+7 80	20+0 60	Rig ht	436.30	0.00	0.00	436.30
23	Sangai Eliza	20+0	20+1	Rig	430.30	0.00	0.00	430.30
23	Nana	60	20+1	ht	491.00	0.00	0.00	491.00
23	Nipu	20+1	20+1	Rig	101.00	0.00	0.00	101.00
3	Owno	20	60	ht	373.50	0.00	0.00	373.50
23	John	20+1	20+2	Rig			1.55	1,391.5
4	Kero	60	60	ht	1,391.50	0.00	0.00	0
23		20+2	20+3	Rig				
5	Tom Tisa	60	20	ht	188.30	0.00	0.00	188.30
23	Kekera	20+3	20+3	Rig				
6	Toypo	20	75	ht	284.00	0.00	0.00	284.00
23	Toni Tel	20+3	20+5	Rig				
7	, 5 101	75	00	ht	618.00	80.00	0.00	698.00

1	Pastor	l				l	Ī	I	l	
23	Isau	20+5	20+6	Rig			360.0			1,877.0
8	Onne	00	80	ht	1,517.00		0		0.00	0
23	Wallo	20+6	20+8	Rig	1,517.00		0		0.00	
9	Korango	80	00	ht	338.30		0.00		0.00	338.30
24	Noria	20+8	20+8	Rig	330.30		120.0		0.00	1,393.8
0	Korango	00	60	ht	1,273.80		0		0.00	0
24	Ambros	20+9	21+0	Rig	1,273.00		160.0		0.00	
1	Wapi	20+9	20	ht	615.00		0		0.00	775.00
24	Dominic	21+0	21+0	Rig	013.00		120.0		240.0	2,634.2
2	Nema	20	80	ht	2,274.20		0		0	0
24	Nimba	21+0	21+1	Rig	2,274.20		160.0		U	10
3	Tomba	80	20	ht	345.50		0		0.00	505.50
24	Dominic	21+2	21+2	Rig	343.30	5,600.0	0	120.0	480.0	6,565.0
4	Nema	00	40	ht	365.00	0	0.00	0	0	0,303.0
24	Tomson	21+1	21+2	Rig	303.00	U	0.00	U	U	U
5	Pea	20	10	ht	753.00		0.00		0.00	753.00
24	Dominic	21+2	21+2	Rig	755.00		0.00		0.00	1,154.4
6		10	40	ht	1 004 40		60.00		0.00	1
24	Nema James	21+2	21+3		1,094.40		240.0		0.00	0
7		40	60	Rig ht	170.00		0		0.00	410.00
24	Mangu	21+2	21+3		179.00		U		0.00	419.00
	Wake			Rig	400.00		0.00		0.00	400.00
8	Mangu	40	60	ht	408.00		0.00		0.00	408.00
24	Andson	21+2	21+3	Rig	2.040.00		0.00		0.00	3,046.0
9	Mangu	40	60	ht	3,046.00		0.00		0.00	0
0.5	Nana	21+3	21+4	D:						
25	Pungikar	60	25	Rig	200.50		0.00		0.00	200 50
0	а			ht	362.50		0.00		0.00	362.50
25	Ps Tony	22+9	23+0	Rig	440.00		00.00		0.00	400.00
1	Gini	90	30	ht	416.00		80.00		0.00	496.00
25	Firman	23+1	23+1	Rig	400.00		70.00		240.0	440.00
2	Lawer	25	60	ht	138.00		70.00		0	448.00
25	Kiap	23+1	23+2	Rig	407.50		40.00		240.0	407.50
3	Ningi	85	05	ht	127.50		40.00		0	407.50
25	Paul	23+8	23+8	Rig	554.00		120.0		240.0	044.00
4	Didima	00	60	ht	554.00		0		0	914.00
25	Pepena	23+8	24+0	Rig	00.00		400.0		240.0	070.00
5	Kari	60	60	ht	36.00		0		0	676.00
25	Wambia	24+2	24+3	Rig	400.00		200.0		0.00	000.00
6	Wiku	00	00	ht	123.00		0		0.00	323.00
25	IZian Niilei	24+7	25+2	Rig	244.00		940.0		240.0	1,491.0
7	Kiap Niki	80	70	ht	311.00		0		0	0
25	Rouwe	26+0	26+2	Rig	00.00		0.00		0.00	00.00
8	Karuk	35	45	ht	60.00		0.00		0.00	60.00
25	Eki	26+3	28+6	Rig	0.40.00		0.00		240.0	400.00
9	Tomba	40	20	ht	240.00		0.00		0	480.00
26	Albert	28+2	29+4	Rig	040.00		0.00		240.0	450.00
0	Nomba	60	15	ht	210.00		0.00		0	450.00
26	Tamalu	29+9	30+5	Rig	0.00		0.00		240.0	040.00
1	Karl	60	00	ht	0.00		0.00		0	240.00
26	Kurili	30+5	31+4	Rig	000.05		0.00		240.0	0.40.05
2	Nowe	00	14	ht	600.00		0.00		0	840.00
26	Kepold	31+4	31+9	Rig					240.0	
3	Tolobotol	14	00	ht	0.00		0.00		0	240.00

A	1 00	Dalain.	104.0	1 00 . 4	l m:-	I	İ	<b>I</b> 1	10400	1 1
26	26	Robin	31+9	32+4	Rig	0.00		0.00	240.0	040.00
5         Kereme         00         20         ht         0.00         0.00         0         240.00           6         Naweya         20         00         ht         1,180.00         0.00         0.00         0         1,180.0         0         0         240.0         0         0         240.0         0         0         240.0         0         240.0         0         240.00         0         240.00         0         240.00         0         240.00         0         240.00         0         240.00         0         240.00         0         240.00         0         0         0         240.00         <						0.00		0.00		240.00
66         Waine         32+5 (a)         32+6 (b)         Rt (b)         1,180.00         0.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td>0.40.00</td>								0.00		0.40.00
6         Naweya         20         00         ht         1,180.00         0.00         0.00         0         0         240.0         7           26         Kulikil         33+8         Rig         0.00         0.00         0         240.0         0         240.0         0         240.0         0         240.0         0         240.0         0         240.0         0         240.0         0         810.00         0         810.00         0         810.00         0         0         240.0         0         810.00         0         0         0         0         0         240.0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         240.0         0         240.0         <						0.00		0.00	0	
26         Kutikili         32+9         33+8         Rig         0.00         0.00         240.0         240.0           26         Suki         33+8         34+7         Rig         0.00         0.00         0         810.00           Nana         Vokaipibr         34+7         35+1         Rig         0.00         0.00         0         240.0         240.0         240.0         240.0         240.00         240.00         0         240.0         240.0         240.0         240.0         240.0         240.0         240.0         2150.0         0         0         0         240.0         240.0         240.0         240.0         0         0         0         0         240.0         0         0         0         240.0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0										
T						1,180.00		0.00		0
26	26	Kutikil	32+9	33+8	Rig				240.0	
8         Suking         60         00         ht         570.00         0.00         240.0         810.00           8         Ninigi         60         00         ht         570.00         0.00         0         810.00           26         Yokaipibr         34+7         35+1         Rig         0.00         0.00         0         240.00         240.00         240.00         240.00         240.00         0	7	Wugu	00	60	ht	0.00		0.00	0	240.00
8         Ninigi         60         00         ht         570.00         0.00         0         810.00           26         Yokaipibr         34+7         35+1         Rig         0.00         0.00         0.00         240.00           27         Mambu         35+1         36+0         Rig         0.00         0.00         0.00         0         240.00         2,150.0         0         0         0         0         240.00         2,150.0         240.00         0         0         0         0         0         0         0         0         240.00         0 <t< td=""><td>26</td><td></td><td>33+8</td><td>34+7</td><td>Ria</td><td></td><td></td><td></td><td>240.0</td><td></td></t<>	26		33+8	34+7	Ria				240.0	
Nana				00		570.00		0.00		810.00
26         Yokaipibr         34+7         35+1         Rig         0.00         0.00         240.00         250.00								0.00		
9         u         00         00         ht         0.00         0.00         0         240.00         240.00         210.00         240.00         210.00         210.00         240.00         210.00         210.00         240.00         210.00         240.00         240.00         240.00         0	26		34+7	35+1	Ria				240.0	
27		· -				0.00		0.00		240.00
O         Nemaike         00         0         ht         1,910.00         0.00         0         0         0           27         Miria         36+0         36+1         Rig         00         ht         0.00         0.00         0.00         240.00           27         Poke         39+7         40+0         Rig         00         ht         1,065.00         0.						0.00		0.00		
27						4 040 00		0.00		
1						1,910.00		0.00		U
27										
2						0.00		0.00	0	
27					Rig					1,065.0
3	2	Kuleko	50	00	ht	1,065.00		0.00	0.00	0
27	27	Mondo	40+8	40+8	Rig					
27	3	Mandi	00	60	ht	5.00		0.00	0.00	5.00
4         Paul         50         50         ht         20.00         0.00         0.00         20.00           27         Pok         41+7         41+9         Rig         0         0.00         0.00         145.00           27         EBM         42+5         42+6         Rig         250.0         0         0.00         756.80           27         Lesly         42+6         42+7         Rig         120.0         0         0.00         966.00           27         Koropa         60         20         ht         846.00         0         0.00         0.00         966.00           27         Konex         42+7         Rig         42+8         Rig         0         0.00         0.00         966.00           27         Konex         42+7         42+8         Rig         0         0.00         0.00         43.20           27         Rodney         42+8         42+9         Rig         Non         0         0.00         0.00         130.60           28         Buna         43+1         43+2         Rig         Non         0         0.00         0.00         120.00           28         P										
Pok   Marld   Waria   Pok   Marld   Waria   Pok   Marld   Waria   Pok					20.00		0.00	0.00	20.00	
5         Marld         00         50         ht         145.00         0.00         0.00         145.00           27         EBM         42+5         42+6         Rig         506.80         250.0         0.00         756.80           27         Lesly         42+6         Rig         120.0         0         0.00         966.00           27         Koropa         60         20         ht         846.00         0         0.00         966.00           27         Konex         42+7         42+8         Rig         0.00         0.00         0.00         43.20           27         Rodney         42+8         42+9         Rig         100.0         0         0.00         43.20           28         Buna         43+1         43+1         Rig         0         0.00         0.00         130.60           28         Peter         43+1         43+2         Rig         0         0.00         0.00         225.00           28         Peter         43+1         43+2         Rig         120.0         0.00         0.00         120.0           28         Michael         43+3         43+4         Rig         2,						20.00		0.00	0.00	20.00
The second color of the						145.00		0.00	0.00	145.00
6         Church         75         60         ht         506.80         0         0.00         756.80           27         Lesly         42+6         42+7         Rig         42+8         Rig         120.0         0         0.00         966.00           27         Konex         42+7         42+8         Rig         8         20         40         ht         43.20         0.00         0.00         43.20           27         Rodney         42+8         42+9         Rig         100.0         0         0.00         130.60           28         Buna         43+0         43+1         Rig         0         0.00         0.00         130.60           28         Peter         43+1         43+2         Rig         0         0.00         0.00         225.00           28         Peter         43+1         43+2         Rig         0         0.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0         0.00         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0         0.00         0.00         <						145.00			0.00	145.00
Company   Comp						500.00			0.00	750.00
7         Koropa         60         20         ht         846.00         0         0.00         966.00           27         Konex Rubem         42+7         42+8 Rig Rig Hubem         40         ht         43.20         0.00         0.00         43.20           27         Rodney Mondo         42+8 42+9 Rig Hubem         100.0         0.00         0.00         130.60           28         Buna         43+0 43+1 Rig Hubem         0.00         0.00         0.00         130.60           28         Buna         43+0 43+1 Rig Hubem         0.00         0.00         0.00         0.00         225.00           28         Peter         43+1 43+2 Rig Hubem         Rig Hubem         0.00         0.00         0.00         225.00           28         Peter Hubem         43+1 43+2 Rig Hubem         Rig Hubem         0.00         0.00         0.00         0.00         1.20           28         Jack Jack Hubem         43+2 43+5 Rig Hubem         Rig Hubem         2,100.0         0.00         0.00         0.00         120.00           28         Michael Hubem         43+3 43+4 Rig Hubem         Rig Hubem         2,100.0         0.00         0.00         0.00         0.00         0.00         0.						506.80			0.00	756.80
27         Konex Rubem         42+7 Au         42+8 Au         Rig ht         43.20         0.00         0.00         43.20           27         Rodney Mondo         40         40         ht         30.60         100.0         0         0.00         130.60           28         Buna         43+0         43+1 Rig         0         0.00         0.00         225.00           28         Peter         43+1 43+2 Rig         0         0.00         0.00         225.00           28         Peter         43+1 43+2 Rig         0         0.00         0.00         0.00         41.20           28         Peter         43+1 43+2 Rig         0         0.00         0.00         0.00         41.20           28         Peter         43+1 43+2 Rig         0         0.00         0.00         0.00         1.20           28         Jack Jack Au         43+2 Au         Rig         0         0.00         0.00         0.00         120.00           28         Michael Au         43+3 Au         43+4 Rig         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00										
8         Rubem         20         40         ht         43.20         0.00         0.00         43.20           27         Rodney         42+8         42+9         Rig         100.0         0.00         130.60           28         Buna         43+0         43+1         Rig         0.00         0.00         0.00         225.00           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         225.00           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         41.20           28         Peter         43+1         43+2         Rig         120.0         0.00         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0.00         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>846.00</td> <td></td> <td>0</td> <td>0.00</td> <td>966.00</td>						846.00		0	0.00	966.00
27         Rodney Mondo         42+8 42+9 40 ht         Rig 30.60         100.0 0         0.00         130.60           28         Buna Moro         43+0 43+1 8ig 0 ht         Rig 25.00         0.00         0.00         225.00           28         Peter Peter Hash 1 43+2 Rig 1 Wania 90         40 ht         1.20         40.00         0.00         41.20           28         Peter Peter Wash 1 43+2 Rig 1 Wania 90         40 ht         1.20         0.00         0.00         0.00         1.20           28         Jack Jack 343+2 A3+5 Rig 1 Wash 1 A3+4 Rig 1 A3+4		Konex			Rig					
9         Mondo         40         40         ht         30.60         0         0.00         130.60           28         Buna         43+0         43+1         Rig         0         0.00         0.00         225.00           28         Peter         43+1         43+2         Rig         0.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0.00         2,258.0           5         Moro         20         30         ht         158.00         0         0.00         0.00         0         0.00         0           28         Stanly         43+4         43+4         Rig         120.0         0         0.00         0.00         0         0.00         0.00	8	Rubem	20	40	ht	43.20		0.00	0.00	43.20
9         Mondo         40         40         ht         30.60         0         0.00         130.60           28         Buna         43+0         43+1         Rig         0         0.00         0.00         225.00           28         Peter         43+1         43+2         Rig         0.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0.00         2,258.0           5         Moro         20         30         ht         158.00         0         0.00         0.00         0         0.00         0           28         Stanly         43+4         43+4         Rig         120.0         0         0.00         0.00         0         0.00         0.00	27	Rodney	42+8	42+9	Rig			100.0		
28         Buna Moro         43+0 Moro         43+1 Rig Noro         Rig Noro         225.00         0.00         0.00         225.00           28         Peter Peter Wania         43+1 43+2 Rig Noro         Rig Noro         40.00         0.00         41.20           28         Peter Wania         43+1 43+2 Rig Noro         Rig Noro         120.0         0.00         0.00         1.20           28         Jack Jack Jack A3+2 A3+5 Rig Noro         Rig Noro         120.0         0.00         0.00         1.20           28         Michael Moro         43+3 A3+4 Rig Noro         2,100.0         0.00         0.00         0.00           28         Michael Moro         43+3 A3+4 Rig Noro         2,100.0         0.00         0.00         0.00           28         Michael Moro         43+3 A3+4 Rig Noro         2,100.0         0.00         0.00         0.00           28         Stanly A3+4 A3+4 Rig Noropa 30 Noropa Noropa 30 Noropa Noropa 30 Noropa Noropa 30 Noropa N						30.60		0	0.00	130.60
0         Moro         80         10         ht         225.00         0.00         0.00         225.00           28         Peter         43+1         43+2         Rig         40.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0.00         1.20           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         0.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
28         Peter Wania         43+1 90 40 ht         43+2 Rig 1.20         40.00         40.00         40.00         41.20           28         Peter Wania 90 40 ht         43+1 1.20         0.00         0.00         0.00         1.20           28         Jack Jack 43+2 43+5 Rig 3 Moro 40 75 ht         0.00         0.00         0.00         120.00           28         Michael 43+3 43+4 Rig 30 ht         43+3 43+4 Rig 2,100.0         2,100.0 0 0.00         0.00         0.00         0.00           28         Michael 43+3 43+4 Rig 5 Moro 20 30 ht         158.00 0 0 0.00         0.00         0.00         0.00         0.00         0.00           28         Stanly 43+4 43+4 Rig 6 Koropa 30 90 ht         1574.00 0 0 0.00         0.00         0.00         0.00         694.00           28         Eddy 43+4 43+5 Rig Justin 90 20 ht         19.20 0.00         0.00         0.00         0.00         19.20           28         Eddy 31-4 43+4 Rig 90 20 ht         0.00         0.00         0.00         0.00         9.00           28         Eddy 31-4 43+4 Rig 90 20 ht         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00						225.00		0.00	0.00	225.00
1         Wania         90         40         ht         1.20         40.00         0.00         41.20           28         Peter         43+1         43+2         Rig         0.00         0.00         0.00         1.20           2         Wania         90         40         ht         1.20         0.00         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0.00         0           28         Stanly         43+4         43+4         Rig         120.0         0.00         0.00         694.00           28         Eddy         43+4         43+5         Rig         0.00         0.00         0.00         0.00         19.20           28         Eddy         43+						223.00		0.00	0.00	220.00
28         Peter Vania         43+1 90         40 ht 120         0.00         0.00         0.00         1.20           28         Jack 3 Moro 40         43+2 43+5 Rig Moro 40         Rig Noro 120.00         120.00         0.00         0.00         120.00           28         Michael 43+3 43+4 Rig Moro 20 30 ht 158.00         2,100.0 0 0.00         0.00         0.00         0.00         0.00           28         Michael Moro 20 30 ht 158.00         2,100.0 0 0.00         0.00         0.00         0.00         0.00           28         Stanly Koropa 30 90 ht 574.00         120.0         0.00         0.00         0.00         694.00           28         Eddy Justin 90 20 ht 19.20         19.20         0.00         0.00         0.00         19.20           28         Eddy Justin 90 20 ht 90 20 ht 90 0.00         19.20         0.00         0.00         0.00         9.00           28         Justin 90 20 ht 90 20 ht 90 0.00         0.00         0.00         0.00         0.00         9.00           28         Jonson Ninga 75 30 ht 0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <td>1 .</td> <td></td> <td></td> <td></td> <td></td> <td>1 20</td> <td></td> <td>40.00</td> <td>0.00</td> <td>44.00</td>	1 .					1 20		40.00	0.00	44.00
2         Wania         90         40         ht         1.20         0.00         0.00         1.20           28         Jack         43+2         43+5         Rig         120.0         0         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0           4         Moro         20         30         ht         164.00         0         0.00         0.00         0           5         Michael         43+3         43+4         Rig         2,100.0         0         0.00         0.00         0           5         Moro         20         30         ht         158.00         0         0.00         0.00         0						1.20		40.00	0.00	41.20
28         Jack         43+2         43+5         Rig         120.0         0         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         2,264.0           4         Moro         20         30         ht         164.00         0         0.00         0.00         0           28         Michael         43+3         43+4         Rig         2,100.0         0         0.00         0         0           5         Moro         20         30         ht         158.00         0         0.00         0.00         0         0           28         Stanly         43+4         43+4         Rig         120.0         0         0.00         694.00           28         Eddy         43+4         43+5         Rig         0         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0         0.00         0.00         0.00         9.00           28         Jonson         43+5					_	4.00		0.00	0.00	1 00
3         Moro         40         75         ht         0.00         0.00         120.00           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0.00         0           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0         0           5         Moro         20         30         ht         158.00         0         0.00         0.00         0						1.20			0.00	1.20
28         Michael         43+3         43+4         Rig         2,100.0         0.00					_					
4         Moro         20         30         ht         164.00         0         0.00         0.00         0           28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0.00         0           28         Stanly         43+4         43+4         Rig         120.0         0         0.00         694.00           28         Eddy         43+4         43+5         Rig         0         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0.00         0.00         9.00           28         Eddy         43+4         43+5         Rig         0.00         0.00         9.00           28         Justin         90         20         ht         9.00         0.00         0.00         9.00           28         Jonson         43+5         Rig         0.00         0.00         0.00         9.00           28         Jonson         43+5         43+6         Rig         0.00         0.00						0.00		0	0.00	
28         Michael         43+3         43+4         Rig         2,100.0         0.00         0.00         0.00         0.00         0         0         0         0.00         0	28			43+4	Rig		2,100.0			2,264.0
5         Moro         20         30         ht         158.00         0         0.00         0.00         0           28         Stanly         43+4         43+4         Rig         120.0         0         0.00         694.00           28         Eddy         43+4         43+5         Rig         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0.00         0.00         9.00           28         Justin         90         20         ht         9.00         0.00         0.00         9.00           28         Jonson         43+5         43+6         Rig         0.00         0.00         0.00         80.00           9         Ninga         75         30         ht         0.00         80.00         0.00         0.00         80.00	4	Moro	20	30	ht	164.00	0	0.00	0.00	0
5         Moro         20         30         ht         158.00         0         0.00         0.00         0           28         Stanly         43+4         43+4         Rig         120.0         0         0.00         694.00           28         Eddy         43+4         43+5         Rig         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0.00         0.00         9.00           28         Justin         90         20         ht         9.00         0.00         0.00         9.00           28         Jonson         43+5         43+6         Rig         0.00         0.00         0.00         80.00           9         Ninga         75         30         ht         0.00         80.00         0.00         0.00         80.00	28	Michael	43+3	43+4	Rig		2,100.0			2,258.0
28       Stanly       43+4       43+4       Rig       120.0       0       0.00       694.00         28       Eddy       43+4       43+5       Rig       0.00       0.00       0.00       19.20         28       Eddy       43+4       43+5       Rig       0.00       0.00       19.20         28       Eddy       43+4       43+5       Rig       0.00       0.00       0.00       9.00         28       Justin       90       20       ht       9.00       0.00       0.00       9.00         28       Jonson       43+5       43+6       Rig       0.00       0.00       80.00         9       Ninga       75       30       ht       0.00       80.00       0.00       80.00					_	158.00		0.00	0.00	
6         Koropa         30         90         ht         574.00         0         0.00         694.00           28         Eddy         43+4         43+5         Rig         0.00         0.00         19.20           28         Eddy         43+4         43+5         Rig         0.00         0.00         0.00         19.20           28         Justin         90         20         ht         9.00         0.00         0.00         9.00           28         Jonson         43+5         43+6         Rig         0.00         80.00         0.00         80.00							_		1	<del>  -</del>
28       Eddy 7       43+4       43+5 Rig 19.20       0.00       0.00       19.20         28       Eddy 8       43+4 43+5 Rig 19.00       Rig 19.00       0.00       0.00       0.00       9.00         28       Jonson 43+5 A3+6 Rig 19.00       Rig 19.00       0.00       0.00       0.00       9.00         28       Jonson 75       30       ht 0.00       80.00       0.00       80.00		,			_	574 00			0.00	694.00
7         Justin         90         20         ht         19.20         0.00         0.00         19.20           28         Eddy 3 Justin         43+4 43+5 Rig 9.00         Rig 9.00         0.00         0.00         9.00           28         Jonson 43+5 43+6 Rig 9 Ninga         Rig 75 30 ht         0.00         80.00         0.00         80.00						37.4.00		3	0.00	007.00
28     Eddy     43+4     43+5     Rig       8     Justin     90     20     ht     9.00       28     Jonson     43+5     43+6     Rig       9     Ninga     75     30     ht     0.00     80.00						10.20		0.00	0.00	10.20
8     Justin     90     20     ht     9.00     0.00     0.00     9.00       28     Jonson     43+5     43+6     Rig     80.00     0.00     80.00       9     Ninga     75     30     ht     0.00     80.00     0.00     80.00						19.20		0.00	0.00	19.20
28     Jonson     43+5     43+6     Rig       9     Ninga     75     30     ht     0.00     80.00     0.00     80.00										
9 Ninga 75 30 ht 0.00 80.00 0.00 80.00						9.00		0.00	0.00	9.00
29 Jonson 43+5 43+6 Rig 536.20 80.00 0.00 616.20		Ninga		30	ht	0.00		80.00	0.00	80.00
	29	Jonson	43+5	43+6	Rig	536.20		80.00	0.00	616.20

0	Ninga	75	30	ht				
29	Rubben	43+6	43+7	Rig		100.0		
1	Yaks	30	00	ht	0.00	0	0.00	100.00
29	Mete	43+7	44+0	Rig	0.00		0.00	100.00
2	Goria	00	00	ht	140.00	0.00	0.00	140.00
29	Mete	43+7	44+0	Rig	110.00	0.00	0.00	1 10.00
3	Goria	00	00	ht	140.00	0.00	0.00	140.00
29		44+0	44+2	Rig	140.00	120.0	0.00	140.00
4	Paki Sula	00	00	ht	355.00	0	0.00	475.00
29	Ponjamin	44+2	44+3	Rig	333.00	U	0.00	475.00
5	Benjamin Yareli	00	00	ht	14.80	0.00	0.00	14.80
29		44+2	44+3		14.00	0.00	0.00	14.00
	Benjamin	20	00	Rig	17.00	0.00	0.00	17.00
6	Yareli			ht	17.20	0.00	0.00	17.20
29	Laka	45+4	45+9	Rig	440.00	0.00	0.00	110.00
7	Waldpum	55	40	ht	110.80	0.00	0.00	110.80
29	Wane	45+7	45+9	Rig	04.00	0.00		0.4.00
8	Martha	00	40	ht	81.00	0.00	0.00	81.00
29	Erams	45+9	46+0	Rig				
9	Family	40	80	ht	45.20	0.00	0.00	45.20
30	Jerry	46+0	46+1	Rig				
0	Yetena	80	20	ht	175.20	0.00	0.00	175.20
30	Aso Puri	46+1	46+3	Rig				
1		20	40	ht	678.00	80.00	0.00	758.00
30	Kapil	46+3	46+7	Rig				1,047.7
2	Kopolo	40	15	ht	1,047.70	0.00	0.00	0
	Wania	46+7	46+9					
30	Kaminalp	15	00	Rig				
3	0	15	00	ht	40.80	0.00	0.00	40.80
30	Lip	47+0	47+0	Rig				
4	Family	00	60	ht	350.20	0.00	0.00	350.20
30	Andrew	47+0	47+2	Rig				
5	Kapi	60	60	ht	307.20	0.00	0.00	307.20
30	Moses	47+0	47+6	Rig				1,068.0
6	Lip	80	90	ht	1,068.00	0.00	0.00	0
30	Banzii	47+2	47+3	Rig	,	160.0		1,288.0
7	Mapoy	60	70	ht	1,128.00	0	0.00	o o
30		47+3	47+4	Rig	.,	-		
8	Kilo Wak	70	50	ht	704.00	0.00	0.00	704.00
30	Hundi	47+6	47+7	Rig		0.00	0.00	101100
9	Pund	90	40	ht	254.00	40.00	0.00	294.00
31	Wane	47+7	47+8	Rig	201.00	10.00	0.00	201100
0	Hena	40	50	ht	97.20	20.00	0.00	117.20
31	Michael	47+8	47+9	Rig	07.20	100.0	0.00	117.20
1	Manda	50	40	ht	416.00	0	0.00	516.00
31	Lewa	47+9	47+9	Rig	-r 10.00	0	0.00	310.00
2	Kaime	40	90	ht	472.00	80.00	0.00	552.00
31		48+0	48+1		712.00	30.00	0.00	332.00
	John			Rig	200.50	0.00	0.00	200 50
3	Yapai	30	20	ht	389.50	0.00	0.00	389.50
31	Thomas	48+1	48+1	Rig	040.00	00.00	0.00	202.00
4	Moma	00	60	ht	213.00	80.00	0.00	293.00
31	Gedion	48+1	48+2	Rig	54.00	00.00	0.00	404.00
5	Kalgua	60	00	ht	54.00	80.00	0.00	134.00
	Laka	48+2	48+2	Rig	1		1	
31 6	Waldkum	00	60	ht	85.00	60.00	0.00	145.00

31	Win	48+2	48+3	Rig		ĺ	T	1	1 1
7	Kungs	60	20	ht	232.00		20.00	0.00	252.00
31	Malakai	48+3	48+3	Rig	202.00		20.00	0.00	202.00
8	Jefry	40	55	ht	51.00		20.00	0.00	71.00
31	Yaka	48+3	48+3	Rig					
9	Walipum	55	70	ht	104.00		0.00	0.00	104.00
32	Nazaren	48+3	48+4	Rig			200.0		1,270.0
0	Church	70	70	ht	1,070.00		0	0.00	0
32	Sikindi	48+4	48+4	Rig					
1	Noya	70	90	ht	172.00		0.00	0.00	172.00
32	Tami	48+4	48+5	Rig					
2	Wangali	90	60	ht	51.00		80.00	0.00	131.00
32	Lewa	48+4	48+5	Rig	450.00		00.00	0.00	470.00
3	Pupi	90	60	ht	156.00		20.00	0.00	176.00
32 4	Kangi	48+5 60	48+6 50	Rig	240.00		80.00	0.00	220.00
32	Pora	48+5	48+6	ht Rig	240.00		00.00	0.00	320.00
5	Aris Nori	60	30	ht	120.00		0.00	0.00	120.00
32	Pure	48+6	48+6	Rig	120.00		0.00	0.00	120.00
6	Yako	30	70	ht	288.00		80.00	0.00	368.00
32		48+6	48+7	Rig	200.00		00.00	0.00	000.00
7	Levi Kill	70	10	ht	0.00		80.00	0.00	80.00
32	5 114	48+7	48+7	Rig	0.00		140.0	10.00	1,620.0
8	Paul Kill	10	80	ht	1,480.00		0	0.00	0
32	Wan	48+7	48+8	Rig	,		100.0		
9	Kupa	80	30	ht	851.50		0	0.00	951.50
33	Cl Minja	48+8	49+2	Rig			140.0		4,075.0
0	Kaspar	30	00	ht	3,935.00		0	0.00	0
33	Kalsie	49+2	49+3	Rig					
1	Kakaru	80	40	ht	103.00		0.00	0.00	103.00
33	Aru Aram	49+2	49+7	Rig					
2		00	005	ht	30.00		0.00	0.00	30.00
33 3	Oki Buka	49+7 00	49+7	Rig	04.00		180.0	0.00	264.00
33	Jim	50+2	90 50+2	ht Rig	81.00		0	0.00	261.00
4	Wano	30+2	50+2	ht	0.00		30.00	0.00	30.00
33	Memba	50+2	50+3	Rig	0.00		30.00	0.00	30.00
5	Sokinde	50	00	ht	293.00		30.00	0.00	323.00
33		50+4	50+5	Rig	200.00		00.00	0.00	020.00
6	Pis Doa	20	50	ht	94.50		0.00	0.00	94.50
33	Karu	50+4	50+5	Rig	-				
7	Poiya	20	50	ht	115.00		0.00	0.00	115.00
33	Nope	50+5	50+6	Rig					
8	Brand	70	10	ht	206.00		80.00	0.00	286.00
33		50+6	50+6	Rig					
9	Gari Pora	10	70	ht	22.80		0.00	0.00	22.80
34	Nepol	50+6	50+7	Rig	10.15				1000
0	Napa	70	00	ht	48.40		0.00	0.00	48.40
34	John	50+7	50+9	Rig	4.00		400.0	0.00	404.00
1	Numa	00	00	ht	1.20		0	0.00	401.20
34	Buna Ku	50+9	51+1	Rig	4 657 00		0.00	0.00	4,657.8
34		00 51+1	80 51+1	ht Rig	4,657.80		0.00 360.0	0.00	0 1,430.0
3	Das Ty	80	60	ht	1,070.00		0	0.00	0
J		100	100	111	1,070.00		0	0.00	U

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34	Laikam SDA	51+3	51+3	Rig						
4	Church	60	80	ht	117.00		0.00		0.00	117.00
34	Pundu	51+3	51+4	Rig	117.00		0.00		0.00	117.00
5	Napam	80	10	ht	610.00		60.00		0.00	670.00
34	Noria	51+4	51+4	Rig	010.00		00.00		0.00	070.00
6	Wando	10	50	ht	544.00		0.00		0.00	544.00
34	Noria	51+4	51+4	Rig	344.00		0.00		0.00	344.00
7	Wando	10	50	ht	544.00		0.00		0.00	544.00
34	Andrew	51+4	51+4	Rig	344.00		0.00		0.00	344.00
8	Sikind	50	70	ht	94.50		0.00		0.00	94.50
34	Ken	51+4	51+5	Rig	34.00		0.00		0.00	34.00
9	Kome	70	00	ht	4.80		0.00		0.00	4.80
35	Samson	51+5	51+6	Rig	4.00		0.00		0.00	7.00
0	Kome	00	20	ht	209.20		0.00		0.00	209.20
35		00	20	Rig	200.20		200.0		0.00	200.20
1	Ten Yako			ht	432.00		0		0.00	632.00
35	George			Rig	102.00				0.00	002.00
2	Mapa			ht	152.50		40.00		0.00	192.50
35	Ken	51+6	51+7	Rig	102.00		10.00		0.00	102.00
3	Kome	00	00	ht	28.00		0.00		0.00	28.00
35	Micheal	51+6	51+6	Rig			0.00		0.00	
4	Allo	20	80	ht	142.20		0.00		0.00	142.20
35	Miambu	51+7	51+8	Rig			0.00		0.00	1
5	Nema	80	20	ht	36.00		0.00		0.00	36.00
35	Berem	51+8	51+8	Rig						
6	Wai	20	50	ht	618.40		0.00		0.00	618.40
35		51+8	51+9	Rig			100.0			
7	Alko Wai	50	00	ht	164.20		0		0.00	264.20
7 35	Alko Wai				164.20				0.00	264.20
	Alko Wai Tax Mom	50	00	ht Rig ht	164.20 160.00				0.00	264.20 160.00
35		50 51+9 00 51+9	00 51+9	ht Rig	160.00		0			
35 8 35 9	Tax Mom	50 51+9 00 51+9 50	00 51+9 50 52+0 05	ht Rig ht			0			
35 8 35	Tax Mom Albert Mome Jocob	50 51+9 00 51+9 50 52+0	00 51+9 50 52+0	ht Rig ht Rig	160.00 178.00		0.00		0.00	160.00
35 8 35 9 36 0	Tax Mom Albert Mome Jocob Baraki	50 51+9 00 51+9 50 52+0 00	00 51+9 50 52+0 05 52+0 30	ht Rig ht Rig ht Rig ht Rig	160.00		0.00		0.00	160.00
35 8 35 9 36	Tax Mom Albert Mome Jocob Baraki Simon	50 51+9 00 51+9 50 52+0 00 52+0	00 51+9 50 52+0 05 52+0 30 52+0	ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00		0 0.00 40.00 20.00		0.00 0.00 0.00	160.00 218.00 146.00
35 8 35 9 36 0 36 1	Tax Mom Albert Mome Jocob Baraki Simon Waringe	50 51+9 00 51+9 50 52+0 00 52+0 30	51+9 50 52+0 05 52+0 30 52+0 60	Rig ht Rig ht Rig ht Rig ht	160.00 178.00		0.00		0.00	160.00
35 8 35 9 36 0 36 1 36	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun	50 51+9 00 51+9 50 52+0 00 52+0 30 52+0	51+9 50 52+0 05 52+0 30 52+0 60 52+0	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40		0 0.00 40.00 20.00 0.00		0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40
35 8 35 9 36 0 36 1 36 2	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi	50 51+9 00 51+9 50 52+0 00 52+0 30 52+0 60	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht	160.00 178.00 126.00		0 0.00 40.00 20.00		0.00 0.00 0.00	160.00 218.00 146.00
35 8 35 9 36 0 36 1 36 2	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge	50 51+9 00 51+9 50 52+0 00 52+0 30 52+0 60 52+0	00 51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00		0 0.00 40.00 20.00 0.00 20.00		0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00
35 8 35 9 36 0 36 1 36 2 36 3	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma	50 51+9 00 51+9 50 52+0 00 52+0 30 52+0 60 52+0 60	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40		0 0.00 40.00 20.00 0.00		0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40
35 8 35 9 36 0 36 1 36 2 36 3 36 3	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80 52+0	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00		0 0.00 40.00 20.00 0.00 20.00 0.00		0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni	50 51+9 00 51+9 50 52+0 00 52+0 30 52+0 60 52+0 70	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80 52+0 80	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00		0 0.00 40.00 20.00 0.00 20.00		0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 70 52+0	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80 52+1	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00		0 0.00 40.00 20.00 0.00 20.00 0.00		0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 70 52+0 80	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80 52+1 00	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht	160.00 178.00 126.00 87.40 0.00 42.00		0 0.00 40.00 20.00 0.00 20.00 0.00		0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 70 52+0 80 52+0	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80 52+0 80 52+1 00	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00 0.00		0 0.00 40.00 20.00 0.00 20.00 0.00 40.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda Malto	50 51+9 00 51+9 50 52+0 30 52+0 60 52+0 70 52+0 80 52+0 80	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80 52+0 80 52+1 00 52+1	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00	2.500.0	0 0.00 40.00 20.00 0.00 20.00 0.00	420.0	0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5 36 6	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda Malto Terrim	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 70 52+0 80 52+1	51+9 50 52+0 05 52+0 30 52+0 60 52+0 70 52+0 80 52+0 80 52+1 00 52+1	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00 0.00 32.00	3,500.0	0 0.00 40.00 20.00 0.00 20.00 0.00 40.00 0.00	120.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00 32.00 3,630.0
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5 36 6 37	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda Malto Terrim Ferm	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 80 52+0 80 52+1 00	51+9 50 52+0 05 52+0 30 52+0 60 52+0 80 52+0 80 52+1 00 52+1 30	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00 0.00	3,500.0	0 0.00 40.00 20.00 0.00 20.00 0.00 40.00	120.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5 36 6 7	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda Malto Terrim Ferm Sam	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 70 52+0 80 52+1 00 52+1	51+9 50 52+0 05 52+0 30 52+0 70 52+0 80 52+1 00 52+1 00 52+1 30 52+2	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00 0.00 32.00 0.00	-	0 0.00 40.00 20.00 0.00 20.00 0.00 40.00 10.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00 32.00 3,630.0 0
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5 36 6 36 7 36 8	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda Malto Terrim Ferm Sam Naia	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 70 52+0 80 52+1 00 52+1 60	51+9 50 52+0 05 52+0 30 52+0 70 52+0 80 52+1 00 52+1 00 52+1 30 52+2 00	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00 0.00 32.00	-	0 0.00 40.00 20.00 0.00 20.00 0.00 40.00 0.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00 32.00 3,630.0
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5 36 6 36 7 36 8	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda Malto Terrim Ferm Sam Naia Piss	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 80 52+0 80 52+1 00 52+1 00	51+9 50 52+0 05 52+0 30 52+0 60 52+0 80 52+1 00 52+1 00 52+1 30 52+2 00 52+1	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00 0.00 32.00 0.00 303.00	-	0 0.00 40.00 20.00 0.00 20.00 0.00 40.00 10.00 80.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00 32.00 3,630.0 0 383.00
35 8 35 9 36 0 36 1 36 2 36 3 36 4 36 5 36 6 36 7 36 8	Tax Mom Albert Mome Jocob Baraki Simon Waringe Lapun Warangi Penge Kuma Benni Peni Yama Job Sumda Malto Terrim Ferm Sam Naia	50 51+9 00 51+9 50 52+0 00 52+0 60 52+0 60 52+0 70 52+0 80 52+1 00 52+1 60	51+9 50 52+0 05 52+0 30 52+0 70 52+0 80 52+1 00 52+1 00 52+1 30 52+2 00	ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig ht Rig	160.00 178.00 126.00 87.40 0.00 42.00 5.00 0.00 32.00 0.00	-	0 0.00 40.00 20.00 0.00 20.00 0.00 40.00 10.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	160.00 218.00 146.00 87.40 20.00 42.00 5.00 40.00 32.00 3,630.0 0

0	Seria	00	30	ht				
37		52+2	52+2	Rig				
1	Pos Hai	30	70	ht	226.00	0.00	0.00	226.00
37	Robert	52+2	52+3	Rig				
2	Anzu	70	50	ht	287.00	0.00	0.00	287.00
37	7 11.126.	52+2	52+3	Rig		0.00		1,095.0
3	Wani Hai	70	50	ht	1,095.00	0.00	0.00	0
37	Rechard	52+3	52+3	Rig	1,000.00	0.00	0.00	
4	Poss	50	70	ht	800.00	20.00	0.00	820.00
37	Paul	52+3	52+4	Rig	000.00	20.00	0.00	020.00
5	Katapa	90	10	ht	160.00	20.00	0.00	180.00
37	Melbourn	52+3	52+3	Rig	100.00	20.00	0.00	100.00
		55	90		10.00	70.00	0.00	90.00
6	e Kandiki			ht	10.00	70.00	0.00	80.00
37	la: Hald	52+4	52+4	Rig	225 20	40.00	0.00	205.20
7	Joi Hoki	50	70	ht	225.20	40.00	0.00	265.20
37		52+4	52+4	Rig	407.00	40.00	0.00	007.00
8	Gar Sova	70	90	ht	167.20	40.00	0.00	207.20
37		52+4	52+5	Rig		40.00		
9	Ten Yako	90	70	ht	512.00	40.00	0.00	552.00
38	Robert	52+4	52+5	Rig				
0	Yako	90	70	ht	27.50	0.00	0.00	27.50
38	Carolina	52+5	52+6	Rig			240.0	
1	Yako	70	30	ht	192.00	0.00	0	432.00
38	Monge	52+5	52+6	Rig			240.0	
2	Yako	70	30	ht	320.00	0.00	0	560.00
38	Tore	52+6	52+6	Rig				
3	Kamisua	30	75	ht	99.00	30.00	0.00	129.00
38	George	52+6	52+7	Rig				
4	Мара	80	00	ht	103.50	40.00	0.00	143.50
38	Jerimiah	52+7	52+7	Rig				
5	Kerowi	00	10	ht	104.00	20.00	0.00	124.00
38		52+7	52+7	Rig				
6	Poss Hai	10	50	ht	284.00	80.00	0.00	364.00
38	Mek	52+7	52+7	Rig				
7	Pangua	50	70	ht	154.00	0.00	0.00	154.00
38	Asapa	52+7	52+8	Rig				
8	Gini	70	30	ht	45.00	0.00	0.00	45.00
	Mama	_						
38	Monge	52+7	52+8	Rig				
9	Family	70	30	ht	347.20	10.00	0.00	357.20
39		52+8	52+8	Rig		. 5.55	1.50	
0	Levi Ako	30	70	ht	564.00	4.00	0.00	568.00
39	Siri	52+8	52+9	Rig	301.00	1.00	10.00	200.00
1	Kanex	70	40	ht	286.00	0.00	0.00	286.00
39	Ponage	52+9	53+0	Rig	200.00	1,840.	0.00	2,560.0
2	Mawa	40	20	ht	720.00	00	0.00	0
39	Mawa	53+0	53+0	Rig	120.00	100.0	0.00	0
3	Pius Lilua	20	90	ht	250.00	0	0.00	350.00
39					200.00	U	0.00	330.00
	Wamo	53+0	53+1	Rig	42.60	0.00	0.00	40.60
4	Rangip	90	10	ht	42.60	0.00	0.00	42.60
39	Martin	53+1	53+1	Rig	224.00	0.00	0.00	224.00
5	Moses	10	30	ht	221.00	0.00	0.00	221.00
39	Moses	53+1	53+3	Rig	000.00	00.00	0.00	000.00
6	Kambing	30	70	ht	208.00	80.00	0.00	288.00

	а					1 1	1	
39	Mumyan	53+3	53+6	Rig				
7	a Clan	70	20	ht	45.00	0.00	0.00	45.00
39	Cr.Kaiso	53+6	53+8	Rig		0.00	0.00	.0.00
8	Mai	20	60	ht	120.00	0.00	0.00	120.00
39	IVICI	53+6	53+8	Rig	120.00	0.00	0.00	120.00
9	Paul Kai	20	60	ht	452.80	0.00	0.00	452.80
40	Topu	53+8	53+8	Rig	102.00	0.00	0.00	102.00
0	Tongii	60	70	ht	80.00	0.00	0.00	80.00
40	Torigii	53+8	54+0	Rig	00.00	0.00	0.00	00.00
1	Nil Mulu	60	00	ht	542.00	60.00	0.00	602.00
40	Monda	54+0	54+0	Rig	042.00	00.00	240.0	002.00
2	Aldupa	00	50	ht	118.80	0.00	0	358.80
40	Ponegi	54+0	54+1	Rig	110.00	0.00	+	000.00
3	Pinja	50	30	ht	643.00	0.00	0.00	643.00
40	Tepatol	54+1	54+2	Rig	040.00	0.00	0.00	040.00
4	Pelhil	30	20	ht	273.00	0.00	0.00	273.00
40	Hasipa	54+2	54+3	Rig	5.55	0.00	3.00	2.0.00
5	Gini	20	40	ht	276.00	0.00	0.00	276.00
40	Pasi	54+3	54+5	Rig	210.00	0.00	240.0	270.00
6	Koldm	40	20	ht	592.20	0.00	0	832.20
40	Himbu	54+5	54+5	Rig	332.20	0.00	240.0	032.20
7	Kerema	20	60	ht	148.00	0.00	0	388.00
40	Bapi	54+5	54+5	Rig	140.00	0.00	U	300.00
8	Temel	60	90	ht	476.00	40.00	0.00	516.00
40	Temal	54+5	54+6		470.00	40.00	240.0	310.00
		90	20	Rig	121 00	0.00		271 90
9	Guinea	54+6		ht	131.80	0.00	0	371.80
0	Laspe Pupi	20	54+6 70	Rig ht	886.00	80.00	0.00	066.00
41	Ken	54+6	54+7	Rig	000.00	80.00	0.00	966.00
1	Emba	70	30	ht	108.00	0.00	0.00	108.00
41	Kenol	54+7	54+7		100.00	0.00	0.00	100.00
	Imbu	20	30	Rig ht	48.00	20.00	0.00	68.00
2 41	IIIDU	54+7	54+7	Rig	46.00	20.00	0.00	00.00
3	Bot Bona	30	80	ht	16.00	0.00	0.00	16.00
41		54+7	54+7		10.00	0.00	0.00	10.00
	Bobi			Rig	212.00	0.00	0.00	212.00
4	Imbu	60	80 54+7	ht	212.00	0.00	0.00	212.00
41	Marthin Gini	54+7 60	80	Rig	64.00	0.00	0.00	64.00
5 41		54+7		ht	04.00	0.00	0.00	64.00
	Asapa Gini	80	54+8 50	Rig	5.00	0.00	0.00	5.00
6 41		54+8		ht	3.00	0.00	0.00	5.00
7	Joseph	54+8	54+9 00	Rig	672.00	0.00	0.00	672.00
41	Buna			ht	672.00	0.00	0.00	672.00
	Cr.Imbu	54+9	54+9	Rig	169.00	0.00	0.00	160.00
8	Cerema	00	60	ht	168.00	0.00	0.00	168.00
41	Marthin Gini	54+9	55+0	Rig	700.00	0.00	0.00	700.00
9		60	70	ht	700.00	0.00	0.00	700.00
42	Cr.Imbu	55+0	55+3	Rig	EO 10	0.00	0.00	EO 10
0	Cerema	70	00	ht	59.10	0.00	0.00	59.10
42	Asapa	55+3	55+5	Rig	E67.00	0.00	240.0	007.00
1	Gini	00	30	ht	567.20	0.00	0	807.20
42	Robert	0+23	0+25	Lef	464.40	0.00	0.00	164 40
2	Tola	1	7	t	464.40	0.00	0.00	464.40
42	Wenol	0+25	0+32	Lef	174.60	0.00	0.00	174.60

3	Ako	7	8.5	t			1	
42	Thomas	0+42	0+50	Lef		145.0		1,546.0
4	Tiso	0	0	t	1,401.00	0	0.00	0
42	Wasnaik	0+45	0+50	Lef	1,101100		-	
5	Kowi	2	4	t	377.40		0.00	377.40
42	TOWI	0+50	0+54	Lef	077.40		0.00	077.40
6	John Tex	0	0	t	822.70		0.00	822.70
42	Samuel	0+54	0+56	Lef	022.70	+	0.00	022.70
			_		040.00		0.00	042.00
7	Domanic	0	0	t	913.00		0.00	913.00
42		0+56	0+60	Lef				,
8	Jack Tui	0	0	t	754.50		0.00	754.50
42	Mark	0+60	0+67	Lef		174.0		
9	Sula	0	8	t	0.00	0	0.00	174.00
43	Noah	0+67	0+76	Lef				
0	Simon	8	0	t	894.00		0.00	894.00
43	Setrick	0+76	0+80	Lef				
1	Sukil	0	0	t	578.70	50.00	0.00	628.70
43	Posi	1+18	1+20	Lef				
2	Wasi	0	0	t	762.60		0.00	762.60
43	Robert	1+28	1+32	Lef			1	1,113.8
3	Sepoi	0	0	t	1,113.80		0.00	0
43	ОСРОІ	1+32	1+34	Lef	1,110.00		0.00	
4	Lun Paul	0	0		692.40		0.00	692.40
	Gibson	_	1+42	t Lef	092.40	120.0	0.00	092.40
43		1+38			0.00		0.00	400.00
5	Tupio	2	6	t	0.00	0	0.00	120.00
43	Joseph	1+48	1+52	Lef				
6	Mogol	0	0	t	489.60		0.00	489.60
43	Ruben	1+52	1+56	Lef				
7	Molmol	0	0	t	210.00		0.00	210.00
43	Nickson	1+54	1+59	Lef				2,094.1
8	Buka	8	0	t	2,094.10		0.00	0
43		1+88	1+92	Lef				
9	John Kai	0	0	t	307.50	35.00	0.00	342.50
44	Mendepo	1+92	1+01	Lef				1,587.2
0	Family	0	4	t	1,587.20		0.00	0
44	Epgol	2+22	2+30	Lef	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	250.0		1,268.7
1	Mum	0	0	t	1,018.70	0	0.00	0
44	David	2+30	2+31	Lef	1,010.70	700.0	0.00	+
2	Ongol	0	8	t	0.00	0	0.00	700.00
44	Sond	2+31	2+36	Lef	5.00	250.0	0.00	7 00.00
3	Billy	2+31			396.80	0	0.00	646.80
			0	t Lef	380.00		0.00	
44	David	2+31	2+36		0.00	1,120.	0.00	1,120.0
4	Aply	8	4	t	0.00	00	0.00	0
44	Simon	2+36	2+38	Lef		500.0		1,206.8
5	Golma	0	6	t	706.80	0	0.00	0
44	Ruth	2+38	2+40	Lef				
6	Golma	6	0	t	249.80		0.00	249.80
44	Paki	2+36	3+52	Lef				1,730.1
7	Family	4	0	t	1,730.10		0.00	0
44	Sopanaik	2+52	2+62	Lef		100.0		
8	Yah	0	0	t	0.00	0	0.00	100.00
44	Sopowol	2+66	2+68	Lef				
9	Keri	0	0	t	266.30		0.00	266.30
	Essenda	2+76	2+81	Lef	236.20	48.00	0.00	284.20
45								

0	Uni/Ch	5	0	t					
45	Weri	2+82	2+90	Lef			100.0		
1	Yoks	0	0	t	374.60		0	0.00	474.60
45	Senis	2+90	3+00	Lef					
2	White	0	0	t	309.60		20.00	0.00	329.60
45		3+00	3+13	Lef				0.00	
3	Max Kep	0	0	t	311.00			0.00	311.00
45		3+13	3+26	Lef	011100			0.00	
4	Max Kep	0	0	t	462.00		30.00	0.00	492.00
45	Dopo	3+28	3+32	Lef	102.00		00.00	0.00	102.00
5	Akon	0	0	t	462.00		40.00	0.00	502.00
45	Albert	3+37	3+40	Lef	102.00		300.0	0.00	002.00
6	Walis	8	0	t	0.00		0	0.00	300.00
	Cr.	-	0		0.00		0	0.00	300.00
45	Wendo	3+34	3+50	Lef			100.0		
7	Ako	0	0	t	64.00		0	0.00	164.00
	Wep	3+42	3+44	Lef	04.00		U	0.00	104.00
45		-			EGO 70			0.00	560.70
8	Family	0	9	t	560.70			0.00	560.70
45	Timbol	3+47	3+53	Lef	4 000 00		50.00	0.00	1,076.8
9	Family	0	0	t	1,026.80		50.00	0.00	0
40	Wanal	0.54	0.50			4 000 0			5 5 4 0 0
46	Tupio	3+54	3+56	Lef		1,200.0			5,512.0
0	Family	0	0	t	4,312.00	0		0.00	0
46	Kusa	3+66	3+84	Lef					
1	Sap	0	0	t	318.00		36.00	0.00	354.00
46	Norman	3+66	3+72	Lef					1,138.2
2	Albert	0	0	t	1,138.20			0.00	0
46	Andrew	3+62	3+65	Lef					1,649.0
3	Timol	0	7	t	1,649.00			0.00	0
46	Vincent	3+66	3+84	Lef					
4	Sap	0	0	t	587.30			0.00	587.30
46		3+84	4+04	Lef					3,699.3
5	Yaki Kol	0	0	t	3,699.30			0.00	0
46	Andrew	4+04	4+13	Lef		3,600.0	120.0		4,161.6
6	Timbol	0	0	t	441.60	0	0	0.00	0
46	Angum	4+13	4+21	Lef				240.0	
7	Wendo	0	6	t	255.60			0	495.60
46	Issach	4+92	5+08	Lef					1,133.8
8	Moko	0	0	t	1,105.80		28.00	0.00	0
46	David	5+08	5+17	Lef	,				
9	Tim	0	0	t	459.00			0.00	459.00
47	Luke	5+08	5+17	Lef					
0	Wanpis	0	0	t	912.30			0.00	912.30
47	Timothy	5+18	5+26	Lef	3.2.00			3.55	0.2.00
1	Suku	0	0	t	135.00		24.00	0.00	159.00
47	Cana	5+40	5+43	Lef	100.00		21.00	240.0	100.00
2	Yaki Yol	0	0	t	162.00		80.00	0	482.00
47	Senis	5+43	5+46	Lef	102.00		30.00	0	702.00
3	Kep	0	0	t	154.20			0.00	154.20
			_		154.20			0.00	
47	Wesa	5+46	5+79	Lef	1 242 00			0.00	1,243.0
4	Kep	0	0	t	1,243.00		200.0	0.00	0
47	Kele	5+83	5+87	Lef	205.00		200.0	0.00	405.00
5 47	Kuna Edward	5	5	t	285.00		0	0.00	485.00
	Ldword	6+16	6+31	Lef	630.30	I	1	0.00	630.30

6	Ondwi	0	0	t						
47	Peter	6+31	7+02	Lef						
7	Lingk	0	0	t	142.00				0.00	142.00
47	Nick	6+44	6+60	Lef						
8	John	0	0	t	340.00				0.00	340.00
47	Eskaik	6+75	7+72	Lef						
9	White	0	0	t	565.60				0.00	565.60
48	PNGBC		7+96	Lef						
0	Church	7+84	0	t	342.60		30.00		0.00	372.60
48	Karapus	7+14	7+20	Lef						0.100
1	Pukma	0	0	t	271.00				0.00	271.00
48	Wanpis	7+02	7+12	Lef				120.0		1,286.0
2	Irek	0	0	t	206.00	960.00		0	0.00	0
48	Ipso	7+20	7+25	Lef						
3	Yomesi	0	0	t	502.90				0.00	502.90
48	Ps Pita	7+43	7+46	Lef	00000		1,000.			1,226.7
4	Pond	0	5	t	226.70		00		0.00	0
48	Rommie	8+08	8+26	Lef					0.00	
5	Mea	0	0	t	290.00				0.00	290.00
48	Koperei	8+53	10+4	Lef	200.00				0.00	1,658.0
6	Ekol	0	80	t	1,630.00		28.00		0.00	0
48	LKOI	8+53	10+4	Lef	1,000.00	1,600.0	20.00		0.00	3,237.5
7	Yaki Yol	0	80	t	1,637.50	0			0.00	0,207.0
48	Paul	10+4	10+5	Lef	1,007.00				0.00	+
8	Rasol	90	30	t	85.00				0.00	85.00
48	Kakapu	10+5	10+5	Lef	00.00	4,200.0		120.0	0.00	8,112.8
9	Pius	30	60	t	3,785.80	0	7.00	0	0.00	0,112.0
	1 103					U	7.00	U	0.00	_
49		10+5	10+9	I ⊵f	12 237 0	1 750 0	430 O	120.0		14 537
49 0	Till Piku	10+5 60	10+9 40	Lef t	12,237.0 0	1,750.0 0	430.0 0	120.0 0	0.00	14,537. 00
0	Till Piku Amos	60	40	t				120.0 0	0.00	14,537. 00
0 49	Amos	60 10+9	40 11+1		0					00
0 49 1	Amos Pos	60 10+9 40	40 11+1 10	t Lef t					0.00	
0 49 1 49	Amos Pos Danny	60 10+9 40 11+1	40 11+1 10 11+1	t Lef	359.00		0		0.00	359.00
0 49 1 49 2	Amos Pos Danny Molu	60 10+9 40 11+1 10	40 11+1 10 11+1 37	t Lef t Lef t	0					00
0 49 1 49 2 49	Amos Pos Danny Molu Jackson	60 10+9 40 11+1 10 11+1	40 11+1 10 11+1 37 11+1	t Lef t Lef	0 359.00 0.00		0		0.00	359.00 40.00
0 49 1 49 2 49 3	Amos Pos Danny Molu Jackson Tera	60 10+9 40 11+1 10 11+1 37	40 11+1 10 11+1 37 11+1 55	t Lef t Lef t	359.00		0		0.00	359.00
0 49 1 49 2 49 3	Amos Pos Danny Molu Jackson Tera Andy	60 10+9 40 11+1 10 11+1 37 11+1	40 11+1 10 11+1 37 11+1 55 11+1	t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80		0		0.00 0.00 0.00	359.00 40.00 290.80
0 49 1 49 2 49 3 49 4	Amos Pos Danny Molu Jackson Tera Andy Saimon	60 10+9 40 11+1 10 11+1 37 11+1 37	40 11+1 10 11+1 37 11+1 55 11+1 55	t Lef t Lef t Lef t	0 359.00 0.00		0		0.00	359.00 40.00
0 49 1 49 2 49 3 49 4	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2	40 11+1 10 11+1 37 11+1 55 11+1 55	t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00		0		0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00
0 49 1 49 2 49 3 49 4 49 5	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97	t Lef t Lef t Lef t Lef t Lef t	0 359.00 0.00 290.80		0		0.00 0.00 0.00	359.00 40.00 290.80
0 49 1 49 2 49 3 49 4 49 5	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2	t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70		40.00		0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70
0 49 1 49 2 49 3 49 4 49 5 49 6	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20	t Lef t Lef t Lef t Lef t Lef t Lef t	0 359.00 0.00 290.80 134.00		0		0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00
0 49 1 49 2 49 3 49 4 49 5 49 6 49	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3	t Lef t Lef t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70 632.50		40.00		0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55 11+2 97	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3 77	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t	0 359.00 0.00 290.80 134.00 172.70		40.00		0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55 11+2 97	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3 77 11+3	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00		40.00		0.00 0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55 11+2 97	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3 77	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t	0 359.00 0.00 290.80 134.00 172.70 632.50		40.00		0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7 49 8	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3 77 11+3 77	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00		40.00		0.00 0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7 49 8	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep United	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3 77 11+3 77	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00 690.00		40.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0 0
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7 49 8	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep United Ch	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3 77 11+5 80	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00		40.00		0.00 0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0 0
0 49 1 49 2 49 3 49 4 49 5 49 7 49 8 49 9	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep United Ch Enep	60 10+9 40 11+1 10 11+1 37 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97 11+3 80	40 11+1 10 11+1 37 11+1 55 11+1 55 11+2 97 11+2 20 11+3 77 11+3 77 11+5 80 11+5	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00 690.00		40.00 40.00 388.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0 0 213.00 1,404.0
0 49 1 49 2 49 3 49 4 49 5 49 7 49 8 49 9	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep United Ch Enep Pri/Sch	60 10+9 40 11+1 10 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97 11+3 80 11+4 69	40 11+1 10 11+1 37 11+1 55 11+2 97 11+2 20 11+3 77 11+3 77 11+5 80 11+5 80	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00 690.00		40.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0 0
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7 49 8 49 5 0 5 0 5 0	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep United Ch Enep Pri/Sch Loma	60 10+9 40 11+1 10 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97 11+3 80 11+4 69 11+5	40 11+1 10 11+1 37 11+1 55 11+2 97 11+2 20 11+3 77 11+3 77 11+5 80 11+6	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00 690.00 173.00 1,376.00		40.00 40.00 388.0 0 40.00 28.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	00 359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0 0 213.00 1,404.0 0
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7 49 8 49 5 0 5 1	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep United Ch Enep Pri/Sch Loma Kus	60 10+9 40 11+1 10 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97 11+3 80 11+4 69 11+5 80	40 11+1 10 11+1 37 11+1 55 11+2 97 11+2 20 11+3 77 11+3 77 11+5 80 11+6 40	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00 690.00		40.00 40.00 388.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00	359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0 0 213.00 1,404.0
0 49 1 49 2 49 3 49 4 49 5 49 6 49 7 49 8 49 5 0 5 5 0 0 5 0	Amos Pos Danny Molu Jackson Tera Andy Saimon Daniel Kiambso John Molu Malex Kakapu Endy Simon Enep United Ch Enep Pri/Sch Loma	60 10+9 40 11+1 10 11+1 37 11+2 20 11+1 55 11+2 97 11+2 97 11+3 80 11+4 69 11+5	40 11+1 10 11+1 37 11+1 55 11+2 97 11+2 20 11+3 77 11+3 77 11+5 80 11+6	t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	0 359.00 0.00 290.80 134.00 172.70 632.50 100.00 690.00 173.00 1,376.00		40.00 40.00 388.0 0 40.00 28.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	00 359.00 40.00 290.80 134.00 172.70 672.50 100.00 1,078.0 0 213.00 1,404.0 0

50	Felix	11+6	11+7	Lef	1	1	1	1,522.2
3	Yomini	80	80	t	1,522.20		0.00	0
50	Clive	11+7	11+7	Lef	1,022.20	112.0	0.00	
4	Yomini	80	94	t	701.00	0	0.00	813.00
50	Malaki	11+7	11+8	Lef				1,177.0
5	Amos	94	20	t	1,137.00	40.00	0.00	o <sup>^</sup>
50	Paul	12+2	12+3	Lef				
6	Kimbu	60	80	t	660.00		0.00	660.00
50	Steven	12+3	12+4	Lef				1,998.0
7	Kimbu	80	80	t	1,958.00	40.00	0.00	0
50	Josepa	12+4	12+6	Lef				8,259.6
8	Sep	80	60	t	8,219.60	40.00	0.00	0
50	Josepa	12+6	12+7	Lef				3,376.4
9	Sep	60	70	t	3,376.40		0.00	0
51	Kundaka	12+7	12+8	Lef	70.40		0.00	70.40
0	Church	20	30	t	79.40		0.00	79.40
51	Senis	12+8	12+8	Lef	240.70	40.00	0.00	250.70
1	Lama	80	65	t Lef	316.70	40.00	0.00	356.70
51 2	Joseph	12+8 65	12+9 00	t	917.40		0.00	917.40
51	Sep Luke	12+9	12+9	Lef	917.40		0.00	917.40
3	Putke	45	80	t	492.40		0.00	492.40
51	James	12+9	13+0	Lef	492.40		0.00	492.40
4	Pasongo	80	40	t	954.60		0.00	954.60
51	Jackson	13+3	13+3	Lef	334.00		0.00	334.00
5	Talopa	00	20	t	58.00		0.00	58.00
51	David	13+0	13+1	Lef	00.00		0.00	1,658.2
6	Pasonga	40	60	t	1,658.20		0.00	0
51	Remond	13+1	13+2	Lef	, , , , , , , , , , , , , , , , , , , ,			
7	Walo	60	40	t	622.00		0.00	622.00
51	Kurum	13+3	13+3	Lef				
8	Sikipi	20	80	t	495.00		0.00	495.00
51	Thomas	13+4	13+4	Lef				
9	Tomba	40	60	t	105.60	16.00	0.00	121.60
52	Luke	13+4	13+4	Lef				
0	Ponade	60	80	t	661.80		0.00	661.80
52	Elizbert	13+3	13+4	Lef				
1	Kurum	80	00	t	225.20		0.00	225.20
52	Cano	13+3	13+4	Lef	400.00		0.00	100.00
2	Micheal	80	17	t	128.00		0.00	128.00
52	Mostr Al	13+4	13+4	Lef	94.00		0.00	04.00
3 52	Mark Alu	20	40	t	84.00	100.0	0.00	84.00
52 4	Permen Angu	13+5 80	13+6 40	Lef t	678.50	100.0	0.00	778.50
52	Cletus	13+5	13+5	Lef	070.00	U	0.00	1,786.5
5 <u>2</u>	Olmel	00	80	t	1,786.50		0.00	0
52	Nobert	13+4	13+5	Lef	1,700.00	200.0	0.00	
6	Wanpis	80	00	t	733.10	0	0.00	933.10
52	Jack	13+9	13+9	Lef	. 55.15		0.00	000.10
7	Kilutus	40	15	t	132.40		0.00	132.40
52	Norman	13+7	13+8	Lef				
8	Kurum	20	00	t	179.80	80.00	0.00	259.80
52	Mathew	13+9	14+0	Lef				
9	Dopo	60	00	t	668.00	60.00	0.00	728.00

53	Lepii	14+0	14+0	Lef		I	I		I	1 1
0	Sowiya	00	40	t	399.00		40.00		0.00	439.00
53	Robert	14+0	1408	Lef	333.00		104.0		0.00	433.00
1	Tomba	40	0	t	603.20		0		0.00	707.20
53	Ehen	14+1	14+1	Lef	003.20		0		0.00	707.20
2	Tomba	00	20	t	581.60				0.00	581.60
53	Sms	14+1	14+2	Lef	301.00		120.0		0.00	1,820.1
3	Sependi	20	20	t	1,700.10		0		0.00	0
53	Paul	14+1	14+2	Lef	1,700.10	1,750.0	U		0.00	1,973.0
4	Ninjapa	20	20	t	195.00	0	28.00		0.00	0
53	Jammy	14+2	14+3	Lef	195.00	U	120.0		0.00	1,436.0
5	Sependi	20	40	t	1,316.00		0		0.00	0
53	Muli	14+4	14+5	Lef	1,310.00		160.0		0.00	10
		70	60	t	292.80		0		0.00	452.80
6 53	Aspo	14+5	14+7	Lef	292.00	1,400.0	U	120.0	0.00	8,554.8
7	Lonil Kal	97	80	t	6,994.80	0	40.00	0	0.00	0,554.6
1	Lepil Kal Pr	91	00	ι	0,994.00	U	40.00	U	0.00	10
E2	Thomas	14.7	14+8	l of						
53		14+7		Lef	240.00				0.00	240.00
8	Akon	85	60 14+9	t Lef	349.00				0.00	349.00
53	Cletus	14+8	_		066.20				0.00	066.20
9	Pinel	60	00	t Lef	866.30				0.00	866.30
54	Robert	14+9	15+1		4 007 00		20.00		0.00	1,027.0
0	Wande	40	80	t	1,007.00		20.00		0.00	0
54	Nillona	14+9	15+1	Lef	440.00				0.00	140.00
1	Nil Kope	40	80	t	142.00				0.00	142.00
54	Wapungu	15+1	15+3	Lef	0.400.40		00.00		0.00	3,464.1
2	Siriya	80	00	t	3,402.10		62.00		0.00	0
54	Tom	15+2	15+3	Lef	000.00				0.00	000.00
3	Pawa	90	40	t	290.00				0.00	290.00
54	Makrol	15+3	15+4	Lef	000 00				0.00	000.00
4	Wangi	45	10	t	209.00		1010		0.00	209.00
54	Gibson	15+4	15+4	Lef	470.00		104.0		0.00	070.00
5	William	20	65	t	172.20		0		0.00	276.20
54	Philip	15+4	15+6	Lef						1,066.9
6	Pua	65	00	t	1,066.90				0.00	0
54	Puap	15+6	15+6	Lef						1,671.7
7	Leplepi	00	65	t	1,655.70		16.00		0.00	0
54	Seron	15+7	15+7	Lef						
8	Benny	00	60	t	50.00				0.00	50.00
54	Waia	15+6	15+7	Lef	000		360.0			
9	Aruru	65	00	t	298.80		0		0.00	658.80
55	Charies	15+7	15+8	Lef	00105		224.0		0.00	400.55
0	Rancha	70	40	t	264.30		0		0.00	488.30
55	Margret	15+8	15+9	Lef						
1	Kuruma	80	00	t	0.00		98.00		0.00	98.00
55	Ope	15+9	15+9	Lef						
2	Kuruma	00	40	t	92.00		42.00		0.00	134.00
55	Margret	15+9	15+9	Lef					_	
3	Kuruma	00	40	t	349.00		60.00		0.00	409.00
55	Nonda	15+9	15+9	Lef						1,494.0
4	Sumunda	40	60	t	1,494.00				0.00	0
55	Yando	15+9	16+0	Lef						1,434.6
5	Belinda	80	00	t	1,414.60		20.00		0.00	0
55	John	15+9	16+0	Lef	326.00	2,100.0		120.0	0.00	2,546.0

6	Wande	80	30	l t		0		0	[	0
55	Jackson	16+0	16+0	Lef		2,800.0		120.0		4,068.9
7	Balim	30	80	t	1,108.90	0	40.00	0	0.00	0
55	Jonathan	16+0	16+1	Lef	1,100.00	0	240.0	0	0.00	+
8		80	20	t	669.90		0		0.00	909.90
55	Poneng	16+1	16+1	Lef	009.90		U		0.00	
	Buka				0.004.00		00.00		0.00	2,284.8
9	Nonda	20	60	t	2,224.80		60.00		0.00	0
56	Nonda	16+1	16+2	Lef						
0	Sumunda	60	20	t	630.90		20.00		0.00	650.90
56	Kency	16+2	16+2	Lef						
1	Nonda	20	60	t	455.60		64.00		0.00	519.60
56	Nonda	16+2	16+3	Lef						
2	Walo	60	00	t	585.50		50.00		0.00	635.50
56	Chralers	16+3	16+3	Lef			244.0			
3	Suku	40	60	t	85.60		0		0.00	329.60
56	Kultiya	16+2	16+3	Lef	00.00		-		0.00	020.00
		00	60		80.20				0.00	90.20
4	Noeli			t	80.20				0.00	80.20
56	Simon	16+3	16+4	Lef						
5	Nikia	60	20	t	413.90		80.00		0.00	493.90
56	Robert	16+5	16+1	Lef						
6	Sapisi	50	65	t	430.60		80.00		0.00	510.60
56		16+4	16+5	Lef						
7	Waina Pil	20	50	t	62.00		48.00		0.00	110.00
56	Moses	16+6	16+7	Lef			120.0			3,390.0
8	Joe	50	50	t	3,270.00		0		0.00	0
56	Ess	16+7	16+8	Lef	0,270.00		130.0		0.00	1
9	Koloma	50	00	t	273.00		0		0.00	403.00
	TOOTTIG				2.0.00	2 150 0	ļ -	120.0	0.00	
57		16+8	16+8	Lef		3,150.0		120.0		3,373.0
57 0	Puglu Pel	16+8 00	16+8 70	Lef t	91.00	3,150.0 0	12.00	120.0 0	0.00	3,373.0 0
57 0 57	Puglu Pel Robert	16+8 00 16+9	16+8 70 17+1	Lef t Lef	91.00	,	12.00		0.00	3,373.0 0 2,114.2
57 0 57 1	Puglu Pel Robert Sapsi	16+8 00 16+9 40	16+8 70 17+1 00	Lef t Lef t		,				3,373.0 0 2,114.2 0
57 0 57 1 57	Puglu Pel Robert Sapsi Terry	16+8 00 16+9 40 17+1	16+8 70 17+1 00 17+2	Lef t Lef	91.00	,	12.00 30.00		0.00	3,373.0 0 2,114.2 0 2,007.5
57 0 57 1 57 2	Puglu Pel Robert Sapsi Terry Kinoli	16+8 00 16+9 40 17+1 00	16+8 70 17+1 00 17+2 40	Lef t Lef t Lef	91.00	,	12.00		0.00	3,373.0 0 2,114.2 0 2,007.5 0
57 0 57 1 57	Puglu Pel Robert Sapsi Terry	16+8 00 16+9 40 17+1	16+8 70 17+1 00 17+2	Lef t Lef t	91.00	,	12.00 30.00		0.00	3,373.0 0 2,114.2 0 2,007.5
57 0 57 1 57 2	Puglu Pel Robert Sapsi Terry Kinoli	16+8 00 16+9 40 17+1 00	16+8 70 17+1 00 17+2 40	Lef t Lef t Lef	91.00	,	12.00 30.00		0.00	3,373.0 0 2,114.2 0 2,007.5 0
57 0 57 1 57 2 57 3	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii	16+8 00 16+9 40 17+1 00 17+2 40	16+8 70 17+1 00 17+2 40 17+6 40	Lef t Lef t Lef t	91.00 2,084.20 1,947.50	,	12.00 30.00 60.00		0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6
57 0 57 1 57 2 57 3	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael	16+8 00 16+9 40 17+1 00 17+2 40	16+8 70 17+1 00 17+2 40 17+6 40 17+2	Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60	,	12.00 30.00 60.00 96.00		0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0
57 0 57 1 57 2 57 3 57 4	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80	Lef t Lef t Lef t Lef t	91.00 2,084.20 1,947.50	,	12.00 30.00 60.00		0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6
57 0 57 1 57 2 57 3 57 4	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6	Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60	,	12.00 30.00 60.00 96.00		0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0
57 0 57 1 57 2 57 3 57 4 57 5	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6 80	Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60	,	12.00 30.00 60.00 96.00		0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0
57 0 57 1 57 2 57 3 57 4 57 5 57	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6 80	Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60	,	12.00 30.00 60.00 96.00 96.00		0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60
57 0 57 1 57 2 57 3 57 4 57 5 57 6	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6 80 17+6 80	Lef t Lef t Lef t Lef t Lef t Lef t Lef t	91.00 2,084.20 1,947.50 1,583.60 212.60	,	12.00 30.00 60.00 96.00 96.00		0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0
57 0 57 1 57 2 57 3 57 4 57 5 57 6	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6 80 17+6	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0		0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60
57 0 57 1 57 2 57 3 57 4 57 5 57 6	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6 80 17+6 80	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60	,	12.00 30.00 60.00 96.00 96.00		0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40 17+7	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6 80 17+6 80 21+7	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima	16+8 00 16+9 40 17+1 00 17+2 40 17+6 40 17+6 40 17+6 40 17+7 35	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0		0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40 17+7	16+8 70 17+1 00 17+2 40 17+6 40 17+2 80 17+6 80 17+6 80 21+7	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima	16+8 00 16+9 40 17+1 00 17+2 40 17+6 40 17+6 40 17+6 40 17+7 35	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7 57 8	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima Tom Kisimbo	16+8 00 16+9 40 17+1 00 17+2 40 17+6 40 17+6 40 17+6 40 17+7 35 17+6	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85 17+8	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00 0.00 982.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00 104.00 982.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7 57 8 57 9	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima Tom Kisimbo John	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40 17+6 40 17+7 35 17+6 80	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85 17+8 20 18+0	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00 0.00 982.00 871.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00 104.00 982.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7 57 8 57 9	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima Tom Kisimbo John Sale	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40 17+7 35 17+6 80 17+8 20	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85 17+8 20 18+0 00	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00 0.00 982.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00 104.00 982.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7 57 8 57 9	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima Tom Kisimbo John Sale Kopo	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40 17+7 35 17+6 80 17+8 20 17+9	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85 17+8 20 18+0 00	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00 982.00 871.00 726.80	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00 104.00 982.00 971.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7 57 8 57 9 58 0	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima Tom Kisimbo John Sale Kopo Tolo	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40 17+7 35 17+6 80 17+8 20 17+9 95	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85 17+8 20 18+0 00 18+0 60	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00 0.00 982.00 871.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00 104.00 982.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7 57 8 57 9 58 0	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima Tom Kisimbo John Sale Kopo Tolo John	16+8 00 16+9 40 17+1 00 17+2 40 17+6 40 17+6 40 17+6 40 17+7 35 17+6 80 17+8 20 17+9 95 18+1	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85 17+8 20 18+0 00 18+1	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00 982.00 871.00 726.80 329.00	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00 104.00 982.00 971.00 858.80 349.00
57 0 57 1 57 2 57 3 57 4 57 5 57 6 57 7 57 8 57 9 58 0	Puglu Pel Robert Sapsi Terry Kinoli Mr Lucas Kolandii Michael Karape Paul Kisimbo Setrick Kisimbo Wanpis Suwawa Kera Kaima Tom Kisimbo John Sale Kopo Tolo	16+8 00 16+9 40 17+1 00 17+2 40 17+2 50 17+6 40 17+6 40 17+7 35 17+6 80 17+8 20 17+9 95	16+8 70 17+1 00 17+2 40 17+6 40 17+6 80 17+6 80 17+6 80 21+7 85 17+8 20 18+0 00 18+0 60	Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef t Lef	91.00 2,084.20 1,947.50 1,583.60 212.60 69.60 0.00 982.00 871.00 726.80	,	12.00 30.00 60.00 96.00 96.00 20.00 104.0 0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	3,373.0 0 2,114.2 0 2,007.5 0 1,679.6 0 308.60 69.60 20.00 104.00 982.00 971.00

3	Fox	90	40	t						1 1
58	Warem	18+7	18+7	Lef						
4	Tawa	40	54	t	170.00		40.00		0.00	210.00
58	Willson	18+7	18+2	Lef					0.00	
5	Lupa	80	90	t	124.00		92.00		0.00	216.00
58	Planga	18+2	18+4	Lef	124.00		32.00		0.00	210.00
6	Kuh	93	25	t	272.60		88.00		0.00	360.60
			18+6	Lef	212.00		00.00		0.00	300.00
58	Sem	18+6			400.00		00.00		0.00	004.00
7	Konol	10	40	t	188.80		36.00		0.00	224.80
58		18+6	18+8	Lef						
8	Tipi Kaki	40	80	t	389.20				0.00	389.20
58	George	18+6	18+8	Lef						
9	Wangeke	40	80	t	282.00		50.00		0.00	332.00
59	Lucas	18+6	18+6	Lef			220.0			
0	Nana	80	90	t	175.60		0		0.00	395.60
59	Pastor	18+7	18+8	Lef		9,800.0		120.0		10,290.
1	David	60	35	t	370.20	0		0	0.00	20
59	Cr. Pee	18+8	18+8	Lef						
2	Ess	40	90	t	243.20		80.00		0.00	323.20
59	Perman	18+9	18+9	Lef	240.20	1,600.0	00.00		0.00	2,564.0
3	Mali	40	50	t	924.00	0	40.00		0.00	0
				•	924.00	U	40.00		0.00	10
59	Sika	18+9	19+0	Lef	044.40		00.00		0.00	074.40
4	Pundu	57	10	t	611.40		60.00		0.00	671.40
59	Thomas	19+1	19+2	Lef						
5	Taisa	60	70	t	545.60		76.00		0.00	621.60
59	Lucas	19+2	19+3	Lef						
6	Kinwi	70	90	t	204.80		44.00		0.00	248.80
59	Bryan	19+2	19+4	Lef		1,600.0				2,143.2
7	Taisa	88	28	t	543.20	0			0.00	0
59	Paias	19+5	19+6	Lef		3,100.0				3,340.0
8	Nea	20	10	t	240.00	0			0.00	o <sup>°</sup>
59	Plauga	19+5	19+6	Lef						
9	Kuh	20	10	t	54.00		80.00		0.00	134.00
60	David	19+6	19+7	Lef	01.00		00.00		0.00	101.00
0	Semdip	60	10	t	884.00				0.00	884.00
60	Paul	19+7	19+7	Lef	004.00				0.00	004.00
1 .	_	4.0			582.40				0.00	582.40
1	Ponenge	10	40	t	362.40				0.00	
60	Fredick	19+8	19+9	Lef	4 444 00				0.00	1,444.0
2	Nambil	50	20	t	1,444.00				0.00	0
60	Sape	19+9	20+0	Lef	40= :-					10- 10
3	Wanya	51	61	t	185.40				0.00	185.40
				1 1 -£	1	ı	1	1	1	
60	Frendy	20+0	20+0	Lef						
4	Frendy Nambil	60	20+0 80	t	364.00		60.00		0.00	424.00
					364.00		60.00		0.00	424.00
4	Nambil	60	80	t	364.00 861.50		60.00 30.00		0.00	424.00 891.50
4 60	Nambil Peter	60 20+1	80 20+2	t Lef						
4 60 5 60	Nambil Peter Blacky Paul	60 20+1 80 20+1	80 20+2 75 20+2	t Lef t	861.50				0.00	891.50
4 60 5 60 6	Nambil Peter Blacky Paul Pongege	60 20+1 80 20+1 80	80 20+2 75 20+2 75	t Lef t Lef t			30.00			891.50 536.00
4 60 5 60 6	Nambil Peter Blacky Paul Pongege Neil	60 20+1 80 20+1 80 20+2	80 20+2 75 20+2 75 20+3	t Lef t Lef t	861.50 536.00		30.00		0.00	891.50 536.00 1,907.0
4 60 5 60 6 60 7	Nambil Peter Blacky Paul Pongege Neil Noring	60 20+1 80 20+1 80 20+2 75	80 20+2 75 20+2 75 20+3 75	t Lef t Lef t Lef	861.50		30.00		0.00	891.50 536.00
4 60 5 60 6 60 7	Nambil Peter Blacky Paul Pongege Neil Noring Hendrew	60 20+1 80 20+1 80 20+2 75 20+8	80 20+2 75 20+2 75 20+3 75 20+9	t Lef t Lef t Lef t Lef	861.50 536.00 1,807.00		30.00		0.00	891.50 536.00 1,907.0 0
4 60 5 60 6 7 60 8	Nambil Peter Blacky Paul Pongege Neil Noring Hendrew Pasago	60 20+1 80 20+1 80 20+2 75 20+8 60	80 20+2 75 20+2 75 20+3 75 20+9 40	t Lef t Lef t Lef t Lef t	861.50 536.00		30.00		0.00	891.50 536.00 1,907.0
4 60 5 60 6 60 7 60 8	Nambil Peter Blacky Paul Pongege Neil Noring Hendrew Pasago Lewa	20+1 80 20+1 80 20+2 75 20+8 60 20+9	80 20+2 75 20+2 75 20+3 75 20+9 40 20+9	t Lef t Lef t Lef t Lef t Lef t Lef	861.50 536.00 1,807.00 237.60		30.00		0.00 0.00 0.00 0.00	891.50 536.00 1,907.0 0 237.60
4 60 5 60 6 7 60 8	Nambil Peter Blacky Paul Pongege Neil Noring Hendrew Pasago	60 20+1 80 20+1 80 20+2 75 20+8 60	80 20+2 75 20+2 75 20+3 75 20+9 40	t Lef t Lef t Lef t Lef t	861.50 536.00 1,807.00		30.00		0.00	891.50 536.00 1,907.0 0

0	Kumaga	20	70	l t						1
61	Peke	20+5	20+5	Lef						
1	Ena	55	80	t	116.00				0.00	116.00
61	Rex	21+2	21+3	Lef	110.00				0.00	110.00
2		70	00	t	177.20				0.00	177.20
61	Poipeya	21+2	21+2	Lef	177.20	4 200 0		120.0	0.00	
	Koia				400.00	4,200.0			0.00	4,503.0
3	Pepena	20	70	t	183.00	0		0	0.00	0
61	Nelson	21+6	21+6	Lef						
4	Tombita	00	40	t	379.00				0.00	379.00
61	Norman	21+6	21+7	Lef						
5	Tomba	40	20	t	98.40				0.00	98.40
61	Tony	21+7	22+0	Lef						
6	Teld	20	20	t	682.60				0.00	682.60
61	Mali	22+0	22+0	Lef	552.55				0.00	002.00
7	Wange	20	60	t	176.00				0.00	176.00
61			22+1	Lef	170.00				0.00	170.00
	Pongeng	22+0			E06.00				0.00	E06.00
8	e Sukel	20	00	t	526.00				0.00	526.00
61	Lucas	19+0	19+1	Lef						
9	Kepa	30	55	t	327.20				0.00	327.20
62	Helen	19+0	19+1	Lef		1,600.0				3,010.2
0	Kepa	30	55	t	1,410.20	0			0.00	0
62	Ferman	19+1	19+1	Lef			110.0			
1	Mali	36	55	t	86.00		0		0.00	196.00
62	Ps David	19+4	19+4	Lef	00.00				0.00	100.00
2	Sembip	28	60	t	201.80				0.00	201.80
					201.00				0.00	201.00
62	Malaki	19+4	19+5	Lef	440.70				0.00	440.70
3	John	60	10	t	442.70				0.00	442.70
62	David	19+6	19+6	Lef						
4	Semdip	10	60	t	208.50		92.00		0.00	300.50
62		19+7	19+8	Lef			200.0			4,193.5
5	Lewa Yali	40	50	t	3,993.50		0		0.00	0
62		19+8	!9+9	Lef						1,357.0
6	Ur Opi	50	50	t	1,357.00				0.00	o Î
62	Nana	20+1	20+1	Lef	1,007.00				0.00	
7	Ono	00	80	t	492.60				0.00	492.60
62		20+3			492.00		180.0		0.00	492.00
_	Peao		20+4	Lef	07.00		_		0.00	077.00
8	Koropa	75	40	t	97.00		0		0.00	277.00
62	Robert	20+4	20+5	Lef			180.0			1,126.4
9	Kumanga	70	40	t	946.40		0		0.00	0
63		20+5	20+5	Lef						
0	O8 Waka	50	55	t	72.00				0.00	72.00
63	Semal	20+5	20+8	Lef						
1	Peandi	80	60	t	722.50				0.00	722.50
63	Lapa	20+9	21+1	Lef			260.0			1,324.6
2	Yawe	60	00	t	1,064.60		0		0.00	0
63	Nikints	21+1	21+2	Lef	1,004.00	1,200.0			0.00	2,092.0
3	Nikim	00	20	t	862.00	0	30.00		0.00	0
)		21+3		_	002.00	U			0.00	10
		レフリナバ	21+3	Lef		000.00	140.0			000.00
63	Toria		40	1						
63 4	Wendo	00	40	t	80.00	600.00	0		0.00	820.00
63 4 63	Wendo Tonny	00 21+3	21+3	t Lef		600.00				
63 4	Wendo Tonny Teld	00			80.00 473.50	600.00	96.00		0.00	569.50
63 4 63	Wendo Tonny	00 21+3	21+3	Lef		600.00				
63 4 63 5 63	Wendo Tonny Teld Terry	00 21+3 45	21+3 70	Lef t		800.00				
63 4 63 5	Wendo Tonny Teld	00 21+3 45 21+3	21+3 70 21+5	Lef t Lef	473.50	600.00			0.00	569.50

7	Tomba	20	00	t			0	ĺ	
63	Peke	21+7	21+8	Lef			360.0		
8	Wapia	85	75	t	285.80		0	0.00	645.80
63	Simon	21+8	21+9	Lef	200.00			0.00	040.00
9	Keneth	80	40	t	575.50		90.00	0.00	665.50
64	Waina	21+9	21+9	Lef	373.30		120.0	0.00	003.30
					620.20			0.00	750.00
0	Paia	40	85	t	639.20		0	0.00	759.20
64	Yawi	21+9	22+0	Lef		2,800.0	274.0		3,783.4
1	Molto	80	20	t	709.40	0	0	0.00	0
64	Tamulu	21+9	21+0	Lef					
2	Kale	80	20	t	377.80			0.00	377.80
64	Epen	22+1	22+1	Lef					
3	Aruru	00	45	t	337.60		80.00	0.00	417.60
64		22+1	22+2	Lef			100.0		
4	Pok Paia	55	55	t	104.00		0	0.00	204.00
64	Pusel	22+4	22+5	Lef			120.0	0.00	1 20 1100
5	Saimon	40	20	t	222.40		0	0.00	342.40
64		22+4	22+5	Lef	222.40		140.0	0.00	342.40
	Kewa				00.00			0.00	000.00
6	Mai	40	20	t	80.00		0	0.00	220.00
64	Danny	22+5	22+6	Lef					
7	Waik	63	00	t	135.00			0.00	135.00
64	Serum	22+6	22+6	Lef			120.0		1,072.0
8	Kepa	00	60	t	952.00		0	0.00	0
64	Pepena	22+6	22+8	Lef					
9	Kari	80	00	t	327.00			0.00	327.00
65	Keyap	22+8	22+8	Lef					
0	Niki	60	00	t	40.00			0.00	40.00
65	TAIKI	22+6	22+8	Lef	40.00			0.00	40.00
1	Rawi Kari	80	00	t	194.00		60.00	0.00	254.00
65	Benjamin	23+3	23+6	Lef	10 1.00		00.00	0.00	1,039.5
2	Mala	10	00	t	989.50		50.00	0.00	0
65		23+6	24+1	Lef	909.50		140.0	0.00	_
	Danny				4 450 00			0.00	1,599.0
3	Samuel	40	60	t	1,459.00		0	0.00	0
65	Nidiya	24+1	24+4	Lef					4,549.8
4	Kea	60	00	t	4,549.80			0.00	0
65	Paul	24+4	24+8	Lef					1,562.0
5	Rerema	00	85	t	1,522.00		40.00	0.00	0
65	Samuel	24+7	24+9	Lef			100.0		
6	Waik	95	70	t	629.00		0	0.00	729.00
65	Poke	24+6	24+7	Lef			140.0		1,082.0
7	Pumbu	85	95	t	942.00		0	0.00	0
65	Jack	25+0	25+0	Lef	2		-	3.55	
8	Kuna	00	60	t	444.00			0.00	444.00
65		25+0	25+1	Lef	77 <b>7</b> .00			0.00	
	Toring Poea				4 512 00			0.00	4,512.0
9		60	40	t	4,512.00			0.00	0
66	Rerema	25+1	25+4	Lef	4 70 1 05		40.00		1,764.0
0	Sumuda	40	20	t	1,724.00		40.00	0.00	0
	Nedia								
66	Simbil	25+4	25+5	Lef			200.0		1,635.0
1	Paki	20	00	t	1,435.00		0	0.00	0
66	Augustin	25+5	26+2	Lef					
2	Toya	00	45	t	178.00			0.00	178.00
66	- ,	38+2	38+2	Lef				1 222	
3	Toya Pok	00	90	t	340.00			0.00	340.00
	i Oyu i Ok	00	50	١,	J-0.00	1		1 0.00	U-U.UU

66		26+3		Lef						1,580.0
4	Albert Sel	40	15	t	1,580.00				0.00	0
66	Dominic	29+3	29+4	Lef						
5	Nema	00	15	t	42.00				0.00	42.00
	Toiea			١						
66	Pok	29+4	31+4	Lef	00.00		00.00		0.00	440.00
6	(Yawi)	15	26	t	30.00		80.00		0.00	110.00
66	Spendi	31+4	31+9	Lef	0.00		900.0		0.00	000 00
7	Kisipa	26	00	t	0.00		0		0.00	900.00
	Nana	04.7	05.0							
66	Pangi	34+7	35+0	Lef	<b>5</b> 4.00				0.00	54.00
8	Kera	00	00	t	54.00	4 4 4 0 0	100.0		0.00	54.00
66	Maxon	35+0	35+2	Lef	44.00	1,440.0	120.0		0.00	1,571.3
9	Nema	00	00	t	11.30	0	0		0.00	0
67	Manage	35+9	36+1	Lef	040.00		160.0		0.00	1,078.6
0	Kumba	30	00	t	918.60		0		0.00	0
67	Pawa	36+1	36+2	Lef	4 000 00		120.0		240.0	1,656.6
1	Sende	00	00	t	1,296.60		0		0	0
67	Paul	36+2	36+3	Lef	774.00		160.0		0.00	004.00
2	Manage	00	00	t	771.00	0.400.0	0	400.0	0.00	931.00
67	Raba	36+3	36+4	Lef	000.50	9,100.0		120.0	240.0	10,280.
3	Manage	00	00	t	820.50	0		0	0	50
67	Ps Ekep	36+4	36+5	Lef	0.00	400.00			0.00	400.00
4	Manage	00	00	t	0.00	480.00	450.0		0.00	480.00
67	Peri	36+5	36+6	Lef			150.0			4=0.00
5	Manage	00	00	t	0.00		0		0.00	150.00
67	Sende	36+6	36+7	Lef	0.00		240.0		0.00	0.40.00
6	Kumba	00	00	t	0.00		0		0.00	240.00
67		36+8	36+9	Lef	505.00				0.00	505.00
7	Mata Piu	00	00	t	525.80				0.00	525.80
67		36+9	37+0	Lef	400.00				0.00	400.00
8	Mata Piu	00	00	t	402.60				0.00	402.60
67	Torea	37+0	37+1	Lef	400.00		00.00		0.00	400.00
9	Wendo	00	00	t	406.60		80.00		0.00	486.60
68	Rabol	37+1	37+2	Lef	0.00		70.00		240.0	040.00
0	Moko	00	00	t	0.00		70.00		0	310.00
68	Kera	37+2	37+3	Lef	0.00		40.00		240.0	000.00
1	Kalo	00	00	t	0.00		40.00		0	280.00
68	Nedel	37+3	37+4	Lef	0.00		120.0		240.0	200.00
2	Sepema	00	00	t	0.00		0		0	360.00
68	Mendil	37+4	37+5	Lef	0.00		400.0		240.0	640.00
3	Epu	00	00	t	0.00		0		0	640.00
68	Engiya	37+5	37+6	Lef	0.00		200.0		0.00	200.00
4	Polopea	00	00	t	0.00		0		0.00	200.00
68	Kolol	37+6	37+7	Lef	0.00		940.0		240.0	1,180.0
5	Polopea	00	00	t	0.00		0		0	0
68	Nigega	37+9	38+0	Lef	26.00				240.0	076.00
6	Peke	00	00	t	36.00				0	276.00
68	Semal	38+0	38+1	Lef	0.00				240.0	040.00
7	Onn	00	00	t	0.00				0	240.00
68	Kola	38+2	38+2	Lef	0.00				240.0	040.00
8	Pepena	00	90	t	0.00				0	240.00
68	Walpe	38+2	38+3	Lef	0.00				240.0	040.00
9	Kopa/Nal	90	00	t	0.00				0	240.00

	de Kopa						1		
69	Numi	38+3	38+4	Lef				240.0	
0	Yombon	00	00	t	0.00			0	240.00
69	John	38+4	38+5	Lef				240.0	
1	Wapia	00	00	t	0.00			0	240.00
69	Ess	38+5	38+6	Lef	0.00			240.0	210.00
2	Sondo	00	00	t	0.00			0	240.00
69	Jonah	38+7	38+8	Lef	0.00			240.0	210.00
3	Ess	00	00	t	0.00			0	240.00
69	Jack	38+8	38+9	Lef	0.00			240.0	240.00
4	Ningi	00	00	t	0.00			0	240.00
69	Semal	38+9	39+0	Lef	0.00			240.0	240.00
5	Papra	00	00	t	0.00			0	240.00
	Maning	00	00		0.00			-   0	240.00
69	Keke/Noy	39+0	39+7	Lef				240.0	
6	a Karin	00	00	t	0.00			0	240.00
69	a Naiiii	39+7	39+9	Lef	0.00			240.0	240.00
	Toylo Dok				0.00				240.00
7	Toya Pok	00	00	t	0.00			0	240.00
69	Nissa	40+3	40+4	Lef	400.00			0.00	400.00
8	Yana	80	10	t	420.00		775.0	0.00	420.00
69	Wanpis	41+1	41+2	Lef	0.00		775.0	0.00	775.00
9	Kolandi	85	45	t	0.00		0	0.00	775.00
70	Mambol	41+2	41+2	Lef			120.0		
0	Mandia	45	65	t	0.00		0	0.00	120.00
70	Tapural	41+7	41+9	Lef			100.0		
1	Pomu	30	40	t	0.00		0	0.00	100.00
70	Lesly	42+4	42+6	Lef					
2	Kewa	10	60	t	40.00			0.00	40.00
	Sailas								
70	Hukupuk	42+7	42+9	Lef					
3	а	10	80	t	37.60			0.00	37.60
70	Serum	42+9	43+1	Lef					
4	Ekep	80	60	t	0.00		40.00	0.00	40.00
70	Esmond	43+1	43+2	Lef					
5	Moro	60	50	t	121.60			0.00	121.60
70	Nonge	43+2	43+3	Lef			120.0		
6	Paki	50	20	t	205.60		0	0.00	325.60
70	Seki	43+3	43+3	Lef					
7	Esmond	25	95	t	216.00	480.00		0.00	696.00
70	Felix	43+4	43+5	Lef					
8	Justin	00	00	t	0.00	840.00		0.00	840.00
70	Kongi	43+5	43+5	Lef			120.0		
9	Aitare	05	70	t	251.60		0	0.00	371.60
71	Peter	43+5	43+6	Lef					
0	Waine	75	30	t	265.60			0.00	265.60
71	Jessie	43+7	43+9	Lef				1 2 2 2	
1	Kuriya	05	30	t	18.60			0.00	18.60
71	Zachery	43+9	44+0	Lef				1.30	
2	Liven	35	65	t	9.60		80.00	0.00	89.60
71	Samson	44+0	44+1	Lef	0.00		33.33	0.00	33.33
3	Goria	70	30	t	62.40		80.00	0.00	142.40
71	Jona	44+1	44+2	Lef	J2.70	+	100.0	0.00	174.70
4	Joel Nil	35	30	t	25.20		0	0.00	125.20
71	Yaks	44+2	44+3	Lef	276.00		3	0.00	276.00
71			- 44T.		L Z / O.UU	1	1	1 () ()()	- //11 1111

5	Piawa	35	05	l t				
71	Brandy	45+9	46+2	Lef				
6	Yamba	00	00	t	456.90		0.00	456.90
71	Moses	46+5	46+6	Lef		120.0		100.00
7	Kurum	00	40	t	164.00	0	0.00	284.00
71	rtaram	46+6	46+7	Lef	101.00		0.00	201.00
8	Kil Poko	40	15	t	66.00		0.00	66.00
71	Noiye	46+7	46+8	Lef	00.00		0.00	00.00
9	Jimmy	15	10	t	55.60		0.00	55.60
72	Kepa	46+8	46+9	Lef	33.00		0.00	33.00
0	Nolpo	10	90	t	16.50		0.00	16.50
72		46+9	47+0		10.50		0.00	10.50
1	Blacky	90	20	Lef	12.00		0.00	12.00
	Muku		47+2	t	12.00		0.00	12.00
72	Taxi	47+0		Lef	400.00		0.00	100.00
2	Lopalo	20	60	t	100.00		0.00	100.00
72	Jackson	47+2	47+3	Lef	00400		0.00	00400
3	Yando	60	00	t	394.80		0.00	394.80
72	Pepe	47+3	47+3	Lef				
4	Walbu	00	90	t	5.00		0.00	5.00
72	Brian	47+3	47+4	Lef				
5	Monda	90	50	t	27.00		0.00	27.00
72		47+4	47+5	Lef				
6	Blak Lipu	50	55	t	512.00		0.00	512.00
72	Wantol	47+6	47+7	Lef				
7	Pundu	50	15	t	384.00	80.00	0.00	464.00
72	Purul	44+4	45+2	Lef				
8	Kumm	70	60	t	0.00	40.00	0.00	40.00
72	Mark	44+4	45+2	Lef				
9	Talpa	70	60	t	0.00	40.00	0.00	40.00
73	Pokpea	44+4	45+2	Lef		160.0		
0	Kill	70	60	t	0.00	0	0.00	160.00
73	Pem	44+4	45+2	Lef				
1	Toriea	70	60	t	0.00	40.00	0.00	40.00
73	Nepame	45+2	45+4	Lef				
2	Wak	60	55	t	0.00	20.00	0.00	20.00
73	Moses	45+4	45+7	Lef		100.0		
3	Takara	55	00	t	0.00	0	0.00	100.00
73	Maina	45+7	45+9	Lef				
4	Korowa	00	00	t	0.00	80.00	0.00	80.00
73	Black	45+9	46+2	Lef	0.00	00.00	0.00	100.00
5	Gipu	00	00	t	130.00		0.00	130.00
73	Bobby	46+3	46+5	Lef	100.00		1.00	130.00
6	Kurum	40	00	t	252.00	80.00	0.00	332.00
73	Raidill	47+7	47+8	Lef	202.00	00.00	0.00	302.00
7	Gul Kaku	15	20	t	326.00	80.00	0.00	406.00
73	Michael	47+9	47+9	Lef	320.00	00.00	0.00	5,360.0
8	Noriea	00	47+9	t	5,300.00	60.00	0.00	0,360.0
73	Kep	47+9	48+0	Lef	3,300.00	00.00	0.00	+
		47+9	80		600.00	20.00	0.00	620.00
9	Enda			t	600.00	20.00	0.00	620.00
	Warea	48+0	48+1 40	Lef	1,571.00	40.00	0.00	1,611.0 0
74	Kulyosa	1 0/1			1 7/1 1111 1	1 24 1 1 11 1	1 1 1 1 11 1	
0	Kulyana	80		t	1,57 1.00	40.00	0.00	+
0 74	Kapolo	48+1	48+2	Lef				
0					321.20 1,388.00	20.00	0.00	341.20 1,428.0

Tame	2	Paul	00	50	l t			1		I	0
3   Wagala   0   90   t   945.00   0   0.0								200.0			
T4			_	_		945 00				0.00	· ·
A Noah   90   10	74					0.10.00				0.00	+ -
T4						288 00				0.00	288 00
S	7/	inuaii				200.00				0.00	200.00
Tember   T		Dun Loui				E42.00		00.00		0.00	622.00
6         Marlyn         50         20         t         1,257.00         20.00         0.00         0           74         Yosip         48+8         48+9         Lef         318.00         80.00         0.00         398.00           74         Simisi         49+0         49+1         Lef         416.00         0.00         416.00           74         Paul         49+0         49+1         Lef         60.00         0         80.00         0         0.00         416.00           75         Mata         60         10         t         76.00         0         80.00         0         0.00         671.00           75         Pande         40         20         t         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         120.00         0         0.00         0         0.00         671.00         140.0         0         0.00         671.00         140.0         0         0.00         1,280.0         0         0         0         0         0         0         0         0         0         0         0         0         0         0					-	542.00		80.00		0.00	
74											
T						1,257.00		20.00		0.00	0
74					Lef						
8         Kakaru         60         10         t         416.00         0.00         416.00         3,076.0         3,076.0         3,076.0         3,076.0         3,076.0         3,076.0         0         0.00         0.00         0.00         0         0.00         0         0         0.00         0         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0.00         671.00         0         0         0.00         671.00         0		Karme			_	318.00		80.00		0.00	398.00
Pau	74	Simisi	49+0	49+1	Lef						
9         Mata         60         10         t         76.00         0         80.00         0         0.00         0           75         Sair         49+3         49+4         Lef         671.00         0.00         671.00           75         Ponege         49+4         49+5         Lef         1,140.00         0         0.00         1,280.0           75         Harur         50+0         50+3         Lef         100.0         0         0.00         0           75         Paul         50+3         50+4         Lef         140.0         0         0.00         0           75         Paul         50+3         50+4         Lef         140.0         0         0.00         270.00           75         Paul         50+3         50+4         Lef         0         0         0.00         270.00           75         Paul         50+3         50+4         Lef         0         0         0.00         270.00           75         Mapy         50+3         50+4         Lef         0         0         0.00         270.00         405.00         0         0         0         0         0	8	Kakaru	60	10	t	416.00				0.00	416.00
9         Mata         60         10         t         76.00         0         80.00         0         0.00         0           75         Sail         49+3         49+4         Lef         671.00         0.00         671.00           75         Ponege         49+4         49+5         Lef         1,40.00         0         0.00         1,280.0           75         Parul         50+0         50+3         Lef         100.0         0         0.00         0           75         Paul         50+3         50+4         Lef         140.0         0         0.00         0           75         Paul         50+3         50+4         Lef         140.0         0         0.00         270.00           75         Paul         50+3         50+4         Lef         0         0         0.00         270.00           75         Paul         50+3         50+4         Lef         0         0         0.00         270.00           75         Mapy         50+3         50+4         Lef         0         0         0.00         525.00         0         0.00         525.00         0         0         0.00	74	Paul	49+0	49+1	Lef		2,800.0		120.0		3,076.0
75	9	Mata	60	10	t	76.00		80.00	0	0.00	
0         Tende         40         20         t         671.00         140.0         1,280.0         671.00           75         Ponege         49+4         49+5         Lef         140.0         0         0.00         0           75         Harur         50+0         50+3         Lef         100.0         0.00         0           75         Paul         50+3         50+4         Lef         140.0         0         0.00         0           75         Paul         50+3         50+4         Lef         140.0         0         0.00         270.00           75         Paul         50+3         50+4         Lef         1405.00         0         0.00         270.00           75         Paul         50+3         50+4         Lef         0         0         0.00         270.00           75         Mapy         50+3         50+4         Lef         0         0         0.00         405.00           75         Nicky         50+3         50+4         Lef         0         0         0         0         0         0         0         0         0         0         0         0         0											
The following color						671.00				0.00	671.00
Table   Tabl						0.1.00		140 0		0.00	
The following color						1 140 00				0.00	
2         Akon         60         00         t         1,368.80         0         0.00         0           75         Paul         50+3         50+4         Lef         140.0         0         0.00         270.00           75         Paul         50+3         50+4         Lef         0         0.00         405.00           75         Mapy         50+3         50+4         Lef         0         0.00         405.00           75         Mapy         50+3         50+4         Lef         0         0.00         525.00           75         Nicky         50+3         50+4         Lef         0         0.00         525.00           75         Nicky         50+3         50+4         Lef         0         0.00         80.00           75         Paul         20         20         t         546.00         0         0.00         546.00           75         Das         50+5         50+6         Lef         180.0         0         0.00         180.00           75         Eso         50+7         50+8         Lef         0         0.00         0         0.00         180.00					-	1,140.00				0.00	
75						4 000 00				0.00	
3         Pangi         20         20         t         130.00         0         0.00         270.00           75         Paul         50+3         50+4         Lef         405.00         0.00         405.00           75         Mapy         50+3         50+4         Lef         0.00         525.00           75         Nicky         50+3         50+4         Lef         0.00         0.00         525.00           75         Nicky         50+3         50+4         Lef         0.00         0.00         80.00           75         Paul         20         20         t         80.00         0.00         546.00           75         Pangi         20         20         t         546.00         0.00         0.00         546.00           75         Das         50+5         50+6         Lef         0.00         0.00         180.00           75         Das         50+5         50+8         Lef         0.00         0.00         180.00           75         Eso         50+7         50+8         Lef         0.00         0.00         180.00           76         Radien         50+9         51+1					_	1,368.80				0.00	0
75         Paul Pangi         50+3 20 20 t 405.00         20 405.00         405.00           75         Mapy 50+3 50+4 Lef 5 5 Paul 20 20 t 525.00         0.00 525.00         0.00 525.00           75         Nicky 50+3 50+4 Lef Paul 20 20 t 80.00         0.00 80.00         0.00 80.00           75         Paul Pangi 20 20 t 546.00         0.00 546.00         0.00 546.00           75         Paul Pangi 20 20 t 546.00         0.00 546.00         0.00 546.00           75         Das 50+5 50+6 Lef Pangi 20 50+8 Lef Pangi 20 50+7 50+8 Lef Pangi 20 50+7 50+8 Lef Pangi 20 50+7 50+8 Lef Pangi 20 50+9 50+7 50+8 Lef Pangi 20 50+9 50+7 50+8 Lef Pangi 20 50+9 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi 20 50+1 Lef Pangi											
4         Pangi         20         20         t         405.00         0.00         405.00           75         Mapy         50+3         50+4         Lef         525.00         0.00         525.00           75         Nicky         50+3         50+4         Lef         0.00         0.00         80.00           75         Paul         50+3         50+4         Lef         0.00         0.00         546.00           75         Pangi         20         20         t         546.00         0.00         546.00           75         Das         50+5         50+6         Lef         0.00         0.00         180.00           75         Das         50+5         50+6         Lef         0.00         0.00         180.00           75         Eso         50+7         50+8         Lef         0.00         0.00         180.00           76         Radien         50+9         51+1         Lef         0.00         0.00         48.00           76         Miriya         51+2         Lef         0.00         30.00         0.00         94.00           76         Keno         51+3         51+2         Le					-	130.00		0		0.00	270.00
75         Mapy 5 Paul         50+3 20 20 t         525.00         0.00         525.00           75         Nicky 50+3 50+4 20 20 t         Lef 80.00         0.00         80.00           75         Paul 20 20 t         20 t         80.00         0.00         80.00           75         Paul 50+3 50+4 Lef 7 Pangi 20 20 t         546.00         0.00         546.00           75         Das 50+5 50+6 Lef 8 Yano 50 80 t         180.0 0 0         0.00         180.00           75         Eso 50+7 50+8 Lef 9 Samson 50 00 t         2,067.60         0.00         0.00         180.00           76         Radien 50+9 51+1 Lef 0 Mom 00 00 t         48.00         0.00         48.00         0.00         48.00           76         Epi Mom 00 00 t         64.00         30.00         0.00         94.00           76         Miriya 51+2 51+2 Lef 2 Lef 2 Lumbu 00 80 t         1.00         30.00         0.00         30.00           76         Keno 51+3 51+3 Lef 4 51+5 Lef 4 51+5 Lef 4 51+5 Lef 5 51+7 Lef 5		Paul			Lef						
5         Paul         20         20         t         525.00           75         Nicky         50+3         50+4         Lef           6         Paul         20         t         80.00           75         Paul         50+3         50+4         Lef           7         Pangi         20         20         t         546.00           75         Das         50+5         50+6         Lef         180.0         0.00         546.00           75         Das         50+5         50+6         Lef         180.0         0.00         180.00           75         Eso         50+7         50+8         Lef         0.00         0.00         180.00           75         Eso         50+7         50+8         Lef         0.00         0.00         180.00           76         Radien         50+9         51+1         Lef         0.00         0.00         48.00           76         Meri Mom         00         0         t         64.00         30.00         0.00         30.00           76         Keno         51+2         51+2         Lef         0.00         30.00         0.00         30.0	4	Pangi	20	20	t	405.00				0.00	405.00
5         Paul         20         20         t         525.00         0.00         525.00           75         Nicky         50+3         50+4         Lef         0.00         0.00         80.00           75         Paul         50+3         50+4         Lef         0.00         0.00         546.00           75         Pangi         20         20         t         546.00         0.00         546.00           75         Das         50+5         50+6         Lef         180.0         0.00         180.00           75         Das         50+5         50+6         Lef         180.0         0.00         180.00           75         Eso         50+7         50+8         Lef         0.00         0.00         180.00           76         Radien         50+9         51+1         Lef         0.00         0.00         48.00           76         Raiden         50+9         51+1         Lef         0.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00           76         Keno         5	75	Мару	50+3	50+4	Lef						
75         Nicky Paul         50+3 20 t 80.00         0.00 80.00           75         Paul         50+3 50+4 Lef 20 20 t 546.00         0.00 546.00           75         Paul 70 50+3 50+5 50+6 Paul 20 20 t 546.00         180.0 0 0 0.00 546.00           75         Das 50+5 50+6 Bay 70 50 80 t 0.00         180.0 0 0 0.00 180.00           75         Eso 50+7 50+8 Samson 50 00 t 2,067.60         0.00 0 0.00 0           76         Radien 50+9 51+1 Lef 0 Mom 00 00 t 48.00         0.00 48.00           76         50+9 51+1 Lef 0 40.00         0.00 48.00           76         Miriya 51+2 51+2 Lef 2 Lumbu 00 80 t 0.00         10.00 30.00           76         Keno 51+3 51+3 Lef 3 Hef 3 S1+3 Lef 3 Mero 60 90 t 105.00         0.00 30.00           76         Jackson 51+4 51+5 Lef 51+5 Lef 4 Kambi 30 50 t 445.00         0.00 445.00           76         Lucy 51+6 51+7 51+7 Lef 5 Mom 30 10 t 913.00         0.00 913.00           76         Meyamb 51+7 51+7 51+7 Lef 6 0 Paraka 10 50 t 526.00         0.00 80.00           76         Makagi 51+7 51+9 Lef 51+9 Lef Nicky 50 20 t 532.00         0.00 526.00           76         Amos 51+9 51+9 Lef 51+9 Lef 532.00         0.00 532.00			20	20	t	525.00				0.00	525.00
6         Paul         20         20         t         80.00         0.00         80.00           75         Paul         50+3         50+4         Lef         546.00         0.00         546.00           75         Das         50+5         50+6         Lef         180.0         0.00         180.00           75         Das         50+5         50+6         Lef         2,067.60         0.00         180.00           75         Eso         50+7         50+8         Lef         2,067.60         0.00         180.00           75         Eso         50+7         50+8         Lef         0.00											
75         Paul Pangi         50+3 50+4 1 546.00         Lef 20 20 t 546.00         0.00 546.00         546.00         0.00 546.00         546.00         0.00 546.00         546.00         0.00						80.00				0.00	80.00
7         Pangi         20         20         t         546.00         0.00         546.00           75         Das         50+5         50+6         Lef         180.0         0         0.00         180.00           75         Eso         50+7         50+8         Lef         2,067.60         0.00         2,067.6           9         Samson         50         00         t         2,067.60         0.00         0           76         Radien         50+9         51+1         Lef         0.00         0.00         48.00           76         Mom         00         00         t         48.00         0.00         48.00           76         Spi Mom         00         00         t         64.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00					_	00.00				0.00	00.00
75         Das         50+5         50+6         Lef         180.0         0         0.00         180.00           75         Eso         50+7         50+8         Lef         2,067.60         0.00         0           9         Samson         50         00         t         2,067.60         0.00         0           76         Radien         50+9         51+1         Lef         0.00         0.00         48.00           76         So+9         51+1         Lef         0.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         0.00         445.00           76         Lucy         51+6         51+7         Lef         0.00         0.00         913.00           76						546.00				0.00	546.00
8         Yano         50         80         t         0.00         0         0.00         180.00           75         Eso         50+7         50+8         Lef         2,067.60         0.00         0           9         Samson         50         00         t         2,067.60         0.00         0           76         Radien         50+9         51+1         Lef         0.00         0.00         48.00           76         So+9         51+1         Lef         0.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         30.00         0.00         30.00           76         Jackson         51+4         51+5         Lef         0.00         0.00         105.00           76         Lucy         51+6         51+7         Lef         0.00         445.00         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         6,500.0         0.00         0.00 <td< td=""><td></td><td></td><td></td><td></td><td>-</td><td>340.00</td><td></td><td>100.0</td><td></td><td>0.00</td><td>340.00</td></td<>					-	340.00		100.0		0.00	340.00
75         Eso Samson         50+7 50+8 bigs of 50 00 times (50) 00 times						0.00				0.00	100.00
9         Samson         50         00         t         2,067.60         0.00         0           76         Radien         50+9         51+1         Lef         0.00         48.00           76         50+9         51+1         Lef         0.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         105.00         0.00         0.00         105.00         0					_	0.00		U		0.00	
76         Radien 0 Mom         50+9 0 00 t         48.00         0.00         48.00           76         50+9 51+1 Lef 1 Lef 1 Lef 2 Lef 3         50+9 51+1 Lef 3         0.00 94.00         0.00 94.00           76         Miriya 51+2 51+2 Lef 2 Lef 2 Lumbu 00 80 t 0.00 30.00         0.00 30.00         0.00 30.00         0.00 30.00           76         Keno 51+3 51+3 Lef 3 Lef 3 Lef 3 Lef 4 Lef 4 Kambi 30 50 t 445.00         0.00 105.00         0.00 105.00           76         Jackson 51+4 51+5 Lef 4 Kambi 30 50 t 445.00         0.00 445.00         0.00 913.00           76         Lucy 51+6 51+7 Lef 5 Mom 30 10 t 913.00         0.00 913.00         0.00 913.00           76         Meyamb 51+7 51+7 Lef 6 O Paraka 10 50 t 6,420.00         80.00 0.00 526.00         0.00 526.00           76         Makagi 51+7 51+8 Lef 7 Nicky 50 20 t 526.00         50.00 526.00         0.00 526.00           76         Amos 51+9 51+9 51+9 Lef 7 Taia 10 50 t 532.00         532.00         0.00 532.00						0.007.00				0.00	
0         Mom         00         00         t         48.00         0.00         48.00           76         50+9         51+1         Lef         0.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         445.00           76         Lucy         51+6         51+7         Lef         0.00         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         0.00         913.00           76         Makagi         51+7         51+8         Lef         0.00         0.00         526.00           76         Amos         51+9         51+9         Lef					_	2,067.60				0.00	0
76         50+9         51+1         Lef         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         0.00         105.00           76         Lucy         51+6         51+7         Lef         0.00         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.420.00         80.00         0.00         913.00           76         Meyamb         51+7         51+8         Lef         0.00	76				Let						
1         Epi Mom         00         00         t         64.00         30.00         0.00         94.00           76         Miriya         51+2         51+2         Lef         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         105.00           76         Lucy         51+6         51+7         Lef         0.00         445.00           76         Meyamb         30         10         t         913.00         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.420.00         80.00         0.00         0.00           76         Makagi         51+7         51+8         Lef         0.00         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         0.00         532.00		Mom				48.00				0.00	48.00
76         Miriya         51+2         51+2         Lef           2         Lumbu         00         80         t         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         105.00           76         Lucy         51+6         51+7         Lef         0.00         445.00           76         Meyamb         51+7         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.420.00         80.00         0.00         0           76         Makagi         51+7         51+8         Lef         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00           8         Taia         10         50         t         532.00         0.00         532.00					Lef						
2         Lumbu         00         80         t         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         445.00           76         Lucy         51+6         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         0.00         0.00           76         Makagi         51+7         51+8         Lef         0.00         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00           8         Taia         10         50         t         532.00         0.00         532.00		Epi Mom			_	64.00		30.00		0.00	94.00
2         Lumbu         00         80         t         0.00         30.00         0.00         30.00           76         Keno         51+3         51+3         Lef         0.00         105.00           76         Jackson         51+4         51+5         Lef         0.00         445.00           76         Lucy         51+6         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         0.00         0.00           76         Makagi         51+7         51+8         Lef         0.00         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00	76	Miriya	51+2	51+2	Lef						
76         Keno         51+3         51+3         Lef           3         Mero         60         90         t         105.00           76         Jackson         51+4         51+5         Lef           4         Kambi         30         50         t         445.00           76         Lucy         51+6         51+7         Lef           5         Mom         30         10         t         913.00           76         Meyamb         51+7         51+7         Lef         6,500.0           6         o Paraka         10         50         t         6,420.00         80.00         0.00         0           76         Makagi         51+7         51+8         Lef         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00	2		00	80	t	0.00		30.00		0.00	30.00
3         Mero         60         90         t         105.00         0.00         105.00           76         Jackson 4         51+4 51+5 Lef 50         Lef 445.00         0.00         445.00           76         Lucy 51+6 51+7 Lef 5 Mom 30 10 t 913.00         0.00         913.00           76         Meyamb 51+7 51+7 Lef 6 0 0 Paraka 10 50 t 6,420.00         80.00         0.00         0           7         Nicky 50 20 t 526.00         0.00         526.00         0.00         526.00           76         Amos 51+9 51+9 Lef 8 Taia 10 50 t 532.00         0.00         532.00         0.00         532.00					Lef						
76         Jackson         51+4         51+5         Lef         0.00         445.00           76         Lucy         51+6         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         6,420.00         80.00         0.00         0           76         Makagi         51+7         51+8         Lef         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00						105.00				0.00	105.00
4       Kambi       30       50       t       445.00       0.00       445.00         76       Lucy       51+6       51+7       Lef       0.00       913.00         5       Mom       30       10       t       913.00       0.00       913.00         76       Meyamb       51+7       51+7       Lef       6,420.00       80.00       0.00       0         76       Makagi       51+7       51+8       Lef       0.00       526.00         76       Amos       51+9       51+9       Lef       0.00       532.00         8       Taia       10       50       t       532.00       0.00       532.00					-						
76         Lucy         51+6         51+7         Lef         0.00         913.00           76         Meyamb         51+7         51+7         Lef         6,500.0           6         o Paraka         10         50         t         6,420.00         80.00         0.00         0           76         Makagi         51+7         51+8         Lef         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00           8         Taia         10         50         t         532.00         0.00         532.00						445 00				0.00	445 00
5         Mom         30         10         t         913.00         0.00         913.00           76         Meyamb         51+7         51+7         Lef         6,500.0         6,500.0           6         o Paraka         10         50         t         6,420.00         80.00         0.00         0           76         Makagi         51+7         51+8         Lef         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00           8         Taia         10         50         t         532.00         0.00         532.00						1.0.00				0.00	1.70.00
76         Meyamb o Paraka         51+7 51+7 Lef o Paraka         6,500.0         6,500.0         6,500.0         6,500.0         0						013.00				0.00	013.00
6         o Paraka         10         50         t         6,420.00         80.00         0.00         0           76         Makagi         51+7         51+8         Lef         0.00         526.00           7         Nicky         50         20         t         526.00         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00           8         Taia         10         50         t         532.00         0.00         532.00					_	913.00				0.00	
76         Makagi         51+7         51+8         Lef           7         Nicky         50         20         t         526.00           76         Amos         51+9         51+9         Lef           8         Taia         10         50         t         532.00						0.400.00		00.00		0.00	1
7         Nicky         50         20         t         526.00         0.00         526.00           76         Amos         51+9         51+9         Lef         0.00         532.00           8         Taia         10         50         t         532.00         0.00         532.00						0,4∠0.00		80.00		0.00	U
76         Amos         51+9         51+9         Lef           8         Taia         10         50         t         532.00											
8 Taia 10 50 t 532.00 0.00 532.00		•				526.00				0.00	526.00
76 Smith 51+9 51+9 Lef 32.00 400.0 0.00 432.00		Taia	10	50	t	532.00				0.00	532.00
	76	Smith	51+9	51+9	Lef	32.00		400.0		0.00	432.00

9	Onga	10	50	t			0			
77	Mom	51+9	52+0	Lef						
0	Taia	50	15	t	318.00				0.00	318.00
77	Kandaki	51+9	52+0	Lef	010.00		360.0		0.00	010.00
1	Alco	50	15	t	192.00	360.00	0		0.00	912.00
77	Poro	51+9	52+0	Lef	192.00	300.00	U		0.00	912.00
					40.00				0.00	40.00
2	Kanex	50	15	t	48.00				0.00	48.00
77	Das	52+0	52+1	Lef						
3	Yana	15	00	t	90.00		60.00		0.00	150.00
77	Gonol	52+0	52+1	Lef						
4	Lepleppi	15	00	t	48.00	840.00			0.00	888.00
77	Lukas	52+0	52+1	Lef						
5	Kera	15	00	t	48.00	600.00			0.00	648.00
77		52+0	52+1	Lef						
6	John Soo	15	00	t	48.00				0.00	48.00
77	Yamba	52+2	52+2	Lef					0.00	10.00
7	Sai	00	15	t	547.00				0.00	547.00
77	Pis	52+2	52+2	Lef	347.00				0.00	347.00
		15	15	t	474.00				0.00	474.00
8	Kongu			-	474.00		000.0		0.00	474.00
77		52+2	52+3	Lef			200.0			
9	Rex Tapu	25	00	t	519.00		0		0.00	719.00
78	Paul	52+4	52+4	Lef						
0	Katapa	00	20	t	0.00		40.00		0.00	40.00
78	Mark	52+4	52+4	Lef						
1	Yanda	20	70	t	172.00				0.00	172.00
78	Timoty	52+5	52+5	Lef						
2	Lupa	30	80	t	142.00				0.00	142.00
78	Jona	52+5	52+5	Lef						
3	Timoty	30	80	t	104.00				0.00	104.00
78	Nimbu	52+5	52+5	Lef	104.00				0.00	104.00
4	Timoty	30	80	t	40.00				0.00	40.00
	Tillioty			-	40.00		400.0		0.00	40.00
78	A1.1	52+5	52+5	Lef	007.00		100.0		0.00	007.00
5	Alphonse	30	80	t	237.00		0		0.00	337.00
78	Yanda	52+6	52+5	Lef						
6	Тор	20	80	t	258.80				0.00	258.80
78		52+7	53+0	Lef						1,115.0
7	Sumunda	70	00	t	1,075.00		40.00		0.00	0
78	Able	52+7	53+0	Lef						
8	Sumanda	70	00	t	333.20		20.00		0.00	353.20
78	Okay	52+7	53+0	Lef						
9	Kerowa	70	00	t	202.00				0.00	202.00
79	James	52+7	53+0	Lef					0.00	
0	Tepera	70	00	t	123.20		20.00		0.00	143.20
				-	123.20		20.00		0.00	173.20
79	Buka	52+7	53+0	Lef	225 00				0.00	225.00
1	Kerowa	70	00	t	335.80				0.00	335.80
79	Vagi	52+7	53+0	Lef	040.00				0.00	
2	Sumunda	70	00	t	218.00				0.00	218.00
79	Mark	52+7	53+0	Lef						
3	Sumanda	70	00	t	184.00		40.00		0.00	224.00
79	Pais	52+7	53+0	Lef						
4	Sumanda	70	00	t	218.00				0.00	218.00
79	Кера	52+7	53+0	Lef		4,200.0		120.0		4,850.0
5	Malto	70	00	t	520.00	0	10.00	0	0.00	0
79	Jerry	52+7	53+0	Lef	199.00		80.00		0.00	279.00
13	JULITY	JZ -1	J J J T U	ᆫ	199.00	I	00.00		J 0.00	213.00

6         Sumanda         70         00         t           79         Jimmy         53+0         53+1         Lef           7         Wendo         00         00         t         168.00         60.00         0.00           79         Petrus         53+0         53+1         Lef         60.00         0.00           8         Mond         00         0         t         168.00         60.00         0.00           79         Koroba         53+3         53+7         Lef         0.00         0.00           80         Pasi         53+7         53+7         Lef         0.00         0.00           80         Benjamin         53+7         53+7         Lef         0.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Thomas         54+1         54+1         Lef         0.00         0.00	228.00 228.00 664.00 144.00 144.00 224.00 379.00 682.00
7         Wendo         00         00         t         168.00         60.00         0.00           79         Petrus         53+0         53+1         Lef         60.00         0.00           8         Mond         00         00         t         168.00         60.00         0.00           79         Koroba         53+3         53+7         Lef         0.00         0.00           80         Pasi         53+7         53+7         Lef         0.00         0.00           80         Benjamin         53+7         53+7         Lef         0.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef	228.00 664.00 144.00 144.00 224.00 379.00 682.00
79         Petrus         53+0         53+1         Lef         60.00         0.00           8         Mond         00         00         t         168.00         60.00         0.00           79         Koroba         53+3         53+7         Lef         0.00         0.00           80         Pasi         53+7         53+7         Lef         0.00         0.00           80         Benjamin         53+7         53+7         Lef         0.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00	228.00 664.00 144.00 144.00 224.00 379.00 682.00
8         Mond         00         00         t         168.00         60.00         0.00           79         Koroba         53+3         53+7         Lef         0         0.00           9         Grab         70         10         t         664.00         0.00           80         Pasi         53+7         53+7         Lef         0.00           90         Kolom         10         50         t         144.00         0.00           80         Benjamin         53+7         53+7         Lef         0.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00 <td>664.00 144.00 144.00 224.00 379.00 682.00</td>	664.00 144.00 144.00 224.00 379.00 682.00
79         Koroba         53+3         53+7         Lef           9         Grab         70         10         t         664.00         0.00           80         Pasi         53+7         53+7         Lef         0.00         0.00           80         Benjamin         53+7         53+7         Lef         0.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00	664.00 144.00 144.00 224.00 379.00 682.00
9         Grab         70         10         t         664.00         0.00           80         Pasi         53+7         53+7         Lef         0.00           0         Kolom         10         50         t         144.00         0.00           80         Benjamin         53+7         53+7         Lef         0.00           1         Pasi         50         90         t         144.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00	144.00 144.00 224.00 379.00 682.00
80         Pasi         53+7         53+7         Lef         0.00           80         Benjamin         53+7         53+7         Lef         0.00           1         Pasi         50         90         t         144.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00	144.00 144.00 224.00 379.00 682.00
0         Kolom         10         50         t         144.00         0.00           80         Benjamin         53+7         53+7         Lef         0.00           1         Pasi         50         90         t         144.00         0.00           80         Temal         53+7         53+8         Lef         0.00         0.00           2         Gini         90         50         t         224.00         0.00           80         Akilup         53+8         53+9         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           80         Yando         54+0         54+1         Lef         0.00         0.00           4         Monda         65         30         t         612.00         70.00         0.00	144.00 224.00 379.00 682.00
80         Benjamin 1	144.00 224.00 379.00 682.00
1     Pasi     50     90     t     144.00     0.00       80     Temal     53+7     53+8     Lef     0.00       2     Gini     90     50     t     224.00     0.00       80     Akilup     53+8     53+9     Lef     0.00       3     Peke     50     50     t     339.00     40.00     0.00       80     Yando     54+0     54+1     Lef     0.00       4     Monda     65     30     t     612.00     70.00     0.00	224.00 379.00 682.00
2     Gini     90     50     t     224.00     0.00       80     Akilup     53+8     53+9     Lef     339.00     40.00     0.00       80     Yando     54+0     54+1     Lef     70.00     0.00       4     Monda     65     30     t     612.00     70.00     0.00	379.00 682.00
80         Akilup         53+8         53+9         Lef           3         Peke         50         50         t         339.00         40.00         0.00           80         Yando         54+0         54+1         Lef         4         Monda         65         30         t         612.00         70.00         0.00	379.00 682.00
3         Peke         50         50         t         339.00         40.00         0.00           80         Yando         54+0         54+1         Lef         4         Monda         65         30         t         612.00         70.00         0.00	682.00
3         Peke         50         50         t         339.00         40.00         0.00           80         Yando         54+0         54+1         Lef         4         Monda         65         30         t         612.00         70.00         0.00	682.00
80         Yando         54+0         54+1         Lef           4         Monda         65         30         t         612.00         70.00         0.00	
80 Thomas 54+1 54+1 Lef	200.00
UU	200.00
5 Wane 30 70 t 200.00 0.00	200.00
80 Daniel 54+1 53+1 Lef	
6 Leawa 30 70 t 389.60 40.00 0.00	429.60
80 Ken 54+1 54+2 Lef	
7 Amber 70 10 t 149.00 40.00 0.00	189.00
80 Samuel 54+2 54+2 Lef	
8 Amber 10 50 t 176.00 40.00 0.00	216.00
80 Josepa 54+2 54+2 Lef	
9 Buna 50 70 t 543.00 0.00	543.00
81 54+2 54+3 Lef 240.0	
0 Bot Buna 70 20 t 144.00 0	384.00
Joe	
81   Mukumb   54+3   54+4   Lef   240.0	1,026.0
1 a 20 30 t 786.00 0	0
81 Lewi 54+4 54+4 Lef	
2 Kundi 50 80 t 0.00 30.00 0.00	30.00
81 Lewe 54+4 54+5 Lef	
3 Kundi 80 80 t 587.00 40.00 0.00	627.00
81 Keven 54+5 54+7 Lef	
4 Pasi 80 30 t 288.80 20.00 0.00	308.80
81 Ken 54+7 54+7 Lef	
5 Amber 05 85 t 619.00 80.00 0.00	699.00
81 Martin 54+7 55+0 Lef	1,692.5
6 Gini 85 00 t 1,692.50 0.00	0
81 Thomas 55+0 55+0 Lef	1,194.0
7 Kikia 00 70 t 1,194.00 0.00	0
81 Temal 55+0 55+1 Lef 120.0	
8 Gini 70 80 t 75.00 0 0.00	195.00
81 Martin 55+1 55+5 Lef 120.0	
9 Gini 80 30 t 641.40 0 0.00	761.40
392,692.   122,58   50,07   2,400   12,96	580,70
74611	4.70

74611 .613 467,3 04.31 74611 .613 655,3 16.31

Resettlement Plan: Mendi Kagua Road Section	Department of Works GoPNG
Add 19% to all amount under crops and Trees (C&P)	as adjustment as per results of the
replacement cost survey.	, a <b>,</b>
replacement door darvey.	