

# Resettlement Planning Document

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## Resettlement Plan

Grant Number: 0093

October 2010

## Nepal: Rural Reconstruction and Rehabilitation Sector Development Project

### Sunkhani-Kanpa Road Sub-Project, Lapilang-Kanpa Section, Dolakha (From Chaniage 9+500 to 27+400)

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**Government of Nepal**  
**Ministry of Local Development**  
**Department of Local Infrastructure Development and**  
**Agricultural Roads**  
**District Development Committee/ District Project office**  
**Dolakha**

**Rural Reconstruction and Rehabilitation Sector**  
**Development Programme (RRRSDP)**

**Short Resettlement Plan**  
**of**  
**Sunkhani – Kanpa Road Sub-project**  
**Lapilang- Kanpa Section**  
**(Chainage 9+500 to 27+400)**

**October 2010**

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## GLOSSARY OF TERMS

Affected Person (AP)	All persons who as of the cut-off-date stand to lose for the project all or part of their land or other assets, irrespective of legal or ownership title.
Cut-off Date	The date of census survey to count the APs and their affected land and assets.
Land Donation	Land owners' willingness to provide part of his/her land for the project in expectation of project benefits. It must be voluntary or unforced and confirmed in written agreement witnessed by third party.
Legalizable	Those who do not have formal legal rights to land when APs are recorded, but could claim rights to such land under the law of Nepal.
Titled	APs who have formal legal rights to land, including any customary or traditional rights recognized under the laws of Nepal.
Non-titled	Those who have no recognizable rights or claims to the land that they are occupying. However illegal inhabitants as per law of Nepal will be excluded from non-titled.
Poverty Line	The level of income below which an individual or a household is considered poor. Nepal's national poverty line which is based on a food consumption basket of 2,124 calories and an allowance for non food items of about two thirds of the cost of the basket will be adopted by the sub project to count APs under the poverty line. Where as this poverty level may vary in accordance to district. Reference poverty line for poverty measurement 2007/08 for Dolakha District is Rs 10216.11/, calculated based on inflation rate of 26.6 percent from base year 2003/04. The determination of poor households or persons will be based on the census and socio-economic survey and further confirmed by community meetings.
Project Affected Family	A family consisting of APs, his/her spouse, sons, unmarried daughters, daughters-in law, brothers or unmarried sisters, father, mother and other legally adopted members residing with him/her and dependent on him/her for their livelihood.
Severely Project Affected Family/People (SPAF)	A Project Affected Family that is affected by the project such as: There is a loss of land or income such that the affected family fall below the poverty line; and/or There is a loss of residential house such that the family members are physically displaced from housing.
Squatters	People living on or farming land not owned by themselves and without any legal title or tenancy agreement. The land may belong to the Government or to individuals.
Third Party	An agency or organization to witness and/or verify "no coercion" clause in an agreement with APs in case of voluntary land donation. One independent agency (i.e. not involved in project implementation), preferably working on rights aspect, will be recruited in each development region to serve this function.
Vulnerable Group	Distinct group of people or persons who are considered to be more vulnerable to impoverishment risks than others. The poor, women-headed, <i>Dalits</i> and IPs households who fall below poverty line will be counted as vulnerable APs.
Women-headed household	Household headed by women, the woman may be divorced, widowed or abandoned or her husband can be working away from the District for long periods of time, where the woman takes decision about the use of and access to household resources.

**ACRONYMS**

ADB	Asian Development Bank
AP	Affected Person/People
CDC	Compensation Determination Committee
CDO	Chief District Officer
CF	Community Forest
CISC	Central Implementation Support Consultant
DDC	District Development Committee
DIST	District Implementation Support Team
DoLIDAR	Department of Local Infrastructure Development and Agriculture Roads
DPCC	District Project Coordination Committee
DPO	District Project Office
DTO	District Technical Office
FGD	Focus Group Discussion
FY	Fiscal Year
GAP	Gender Action Plan
GoN	Government of Nepal
GRC	Grievance Redress Committee
ha	Hectare
IPDP	Indigenous People Development Plan
MoLD	Ministry of Local Development
kg	kilogram
LEST	Livelihood Enhancement Skill Training
LF	Leasehold Forest
MoFSC	Ministry of Forest and Soil Conservation
m	meter
MoU	Memorandum of Understanding
NGO	Non Government Organization
NRs	Nepalese Rupees
PCU	Project Coordination Unit
PM	Project Manager
RA	Resettlement Assistant
RBG	Road Building Group
RF	Resettlement Framework
RoW	Right of Way
RP	Resettlement Plan
RRRSDP	Rural Reconstruction and Rehabilitation Sector Development Program
SAP	Social Action Plan
SDS	Social Development Specialist
SM	Social Mobilizer
SPAF	Severely Project Affected Family
Sqm	Square meter
VDC	Village Development Committee
VICCC	Village Infrastructure Construction Coordination Committee
ZoI	Zone of Influence

## EXECUTIVE SUMMARY

1. This resettlement plan describes the involuntary resettlement impacts involved within 9.50 km section (Sunkhani-Lapilang-Section) of the Sunkhani-Kanpa Road Sub Project whereas total length of whole alignment is 27.40 km. This document basically explains about the socio-economic situation and loss assessment of the project affected persons and plans to mitigate impacts on the right holders. The road starts at Sisa Golai, Bhdaure of Sunkhani VDC and ends at Mumch of, Kalichwok VDC. The sub project is aimed at linking northern part of Dolakha district, Sunkhani, Lapilang, Lamidanda, Babare and Kalinchwok VDCs with feeder road, Dolakha - Singati Road. It also serves as a main access to settlements in the northern neighboring VDCs. Since this RP explains only for 9.50 km section, the document explains about resettlement aspects of Sunkhani and Lapilang VDCs.
2. The road is planned to upgrade 4 m Right of Way (RoW) to 10 m RoW with 5 m formation width (2.5 m on each side from centerline). This road will also be upgraded into all weather gravel standard. This road section requires 9.50 ha land and passes through 270 land parcels of private ownership measuring 6.11 ha. Since the road follows existing trail, 3.47 ha of land is already acquired by road area. Though household survey of the project affected people followed by a project detail design to minimize land was made, due to technical and road safety considerations, minor impacts were unavoidable. Altogether 171 households comprising 1055 people were affected. The affected families included 2 Dalits, 104 from ethnic groups, 7 were women headed households.
3. Altogether five private structures need to be relocated in the section in which 3 are residential buildings. Since these families have other house to shift, none is physically displaced. In addition to structures, 171 trees belonging to 3 different community forest 93 privately owned trees, 4 fruit trees and 170 bamboo trees will be affected. Sixty households reported food sufficiency (from agricultural harvest) equal to or more than six months. On an average the APs has adequate food for 7.22 months before the project and the project will reduce it to 7.08 months. In monetary term, yearly average income of APs from agriculture sector is NRs 6904.53/ which is only 8 percent share in their total income. Selling cereals, animal products and vegetables are the sources of agriculture income. The major contributing source of income in the settlement is out-districting labor income with some business enterprises and service oriented job.
4. The pre-post analysis of affected families' show that only 3 households belonged to below poverty line but none, except these 3 households will be pushed toward below poverty as a result of project. There is loss of NRs 165.43/ in yearly average agriculture income as project intervention but off-farm income remains the same.
5. The major objective of RRSDP is to avoid or minimize land acquisition and involuntary resettlement wherever possible. In unavoidable cases, project ensures



the AP's rights by providing assistance so that they will be as well -off as without the project. Compensation at replacement cost to all involuntary land acquisition (other than voluntary land donation) will be ensured. APs are not forced to donate their land voluntarily and have been informed and consulted during the sub project implementation process. This is confirmed through 'no-coercion' clause verified by NGO Federation, Dolakha Branch as an independent third party. Special attention will be paid to ensure that households headed by women and other vulnerable groups receive appropriate assistance. The national laws, regulation, resettlement framework and ADB's resettlement safeguard policy are followed during land acquisition and payment of compensation.

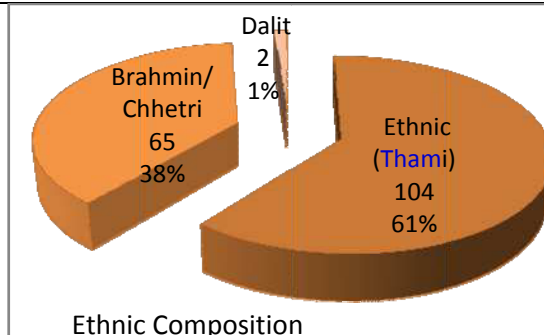
6. The project has formed a Grievance Redress Committee (GRC) in the district level and two grievance redress sub-committees at VDC level for hearing and addressing complaints of the APs. Under the chairmanship of Chief of District Officer (CDO) a compensation determination committee (CDC) has been formed. The RP has made sufficient provision to restore/rehabilitate APs by providing employment opportunity during construction. Beside employment APs will also receive opportunity through Livelihood Enhancement Skill Training (LEST) to restore their living standard. Total resettlement cost including all other assistance is NRs 2.96 million in which direct compensation amount is NRs 0.747million that has been endorsed by CDC. The RP cost also includes NRs 1.58 million for LEST and 0.11 million for land donors' recognition program.
7. PCU supported by the CISC at the centre, DPOs supported by the DIST at the district level, and VICCC at the VDC level will be involved in implementing the project. DPO will be responsible for internal monitoring of the project and PCU will carry out the verification of RP implementation. Verification report on RP implementation will be prepared by PCU and submitted to ADB for approval. The activities will be monitored and evaluated externally once in a year through an independently appointed agency not involved with any aspects of the project. They will perform monitoring based on established indicators and provide report to both PCU/DPO and ADB.

## 1. INTRODUCTION OF THE SUB PROJECT

1. This Short Resettlement Plan (RP) describes the involuntary resettlement planning process and procedures that will be applied to Sunkhani - Kanpa Sub Project (0+000-9+500, Sunkhani- Lapilang section) of Dolakha district under the Rural Reconstruction and Rehabilitation Sector Development Program (RRRSDP) ) which is implemented by Government of Nepal (GoN) through District Development Committee. The document basically explains the involuntary resettlement occurrence due to the sub project and there by proposing plans to mitigate impacts on the livelihood of the affected people.
2. Sunkhani - Kanpa Sub Project is designed to upgrade existing road alignment which is located in Dolakha District, Janakpur Zone of Central Development Region about 191 km northern-east of Kathmandu, selected by 14<sup>th</sup> District Council. The sub project originates from Sisa Golai , Bhadaure of Sunkhani VDC from Dolakha- Singati Road, 26 km eastern-north from district headquarter, Charikot and ends at Mumch 1, of Kalinchok VDC. It transverses through the remote VDCs of the district namely Sunkhani, Lapilang, Lamidanda, Babare and Kalinchwok as a feeder road of Dolakha - Singati Road and serves as a main access to settlements in the northern part .The sub project covers existing 27.40 km road length in which 27 km is purely rehabilitation and 400 m is new track.
3. However, this RP document is prepared only for 9.50 km section, passing through Sunkhani and Lapilang VDCs which begins from Si.Sa Golai, Bhadaure of Sunkhani VDC and ends at Kurathali of Lapilang VDC. This section includes only rehabilitation activities basically to widen 4 m Right of Way (RoW) to 10 m RoW with 5 m formation width (2.5 m on each side from centerline) and to upgrade the road into all weather gravel standard.
4. Total 171 households loose land and other assets in the first 9.50 km section of the sub project. Most of the households are affected from Lapilang VDC and only four households are affected Sunkhani VDC as the alignment passes through forest area in the Sunkhani VDC. Though the sub project detail design has explored all possible alternatives to avoid or minimize involuntary land acquisition, some minor impacts are unavoidable due to technical and road safety aspects. Hence, this RP document covers safeguard policy for people who are affected along the alignment.

**Table 1: Affected Population in the Sub Project**

Variable	Frequency
Total Affected HHs	171
Interviewed Households	171
Total Population	1055
Male	565
Female	490
Average HH Size	6.16
Women Headed Households	7

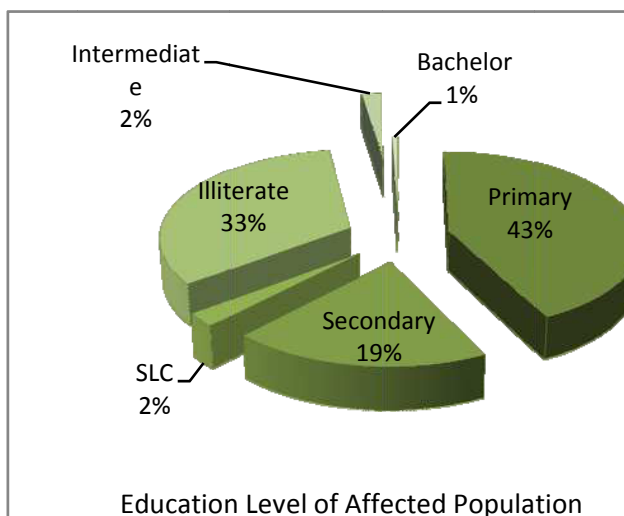


Source: Household Survey, 2010

5. Among 171 households with 1055 people, 160 households were interviewed at large whereas 11 households who live outside districts their socio-economic information was also collected from their immediate relatives. However these owners are treated as absentee owners and their compensation amount has been kept in reserve fund. No community land plots except CFUGs are affected by the sub project. There are 31 households who loose land and trees, 4 households loose fruit trees, 5 households loose bamboo clump, 4 households need to relocate their private structures and rest of the households lose their private land only. Further none of the households are identified as encroachers or squatter along the alignment.
6. Out of 1055 interviewed population, maximum number is from 6-20 years age group which implies that maximum affected is study age group. Similarly the education status of the affected population also shows that majority of the students are at primary and secondary level. Hence after completion of road construction, these students will be benefitted in terms of travel time and cost for further studies. Additionally Road Safety Signals will be placed at appropriate places and awareness programme regarding Road Safety Signals is suggested to include in SAP to safeguards the rights of children. Table 2 shows the age group and education level of the APs.

**Table 2: Affected Population according to Age Group and Education Level**

Age Group	Family Members
0- 5 Year	101
6-10 Year	141
11-15 Year	136
16-20 Year	110
21-25 Year	97
26-30 Year	82
31-35 Year	79
36-40 Year	54
41-45 Year	57
46-50 Year	40
51-55 Year	49
56-60 Year	36
Above-60	73



Source: Household Survey, 2010

7. This road will provide access and socio-economic benefits to the local people of Sunkhani and Lapilang VDC after its completion. The people will have immediate access to the district headquarter and the Dolakha-Singati Road facilitating to other districts. It will reduce traveling time to college going students and small business occupants. In addition, the improved road will increase land prices, facilitates to develop market centers, thereby providing value to agricultural products.

## 2. SCOPE OF LAND ACQUISITION AND RESETTLEMENT

8. Resettlement scope of Sunkhani-Kanpa Sub Project, Sunkhani Lapilang section (9.50 km section) was assessed via socioeconomic survey of the affected households, FGDs and Key Informants. But before conducting detail household survey, loss assessment and household listing of affected families was conducted in order to document the losses along the alignment that was indicated through cadastral report and map. Cadastral survey has reported that the alignment passes through 270 land parcels of private ownership for 10 m RoW. It has also distinguished the total required land into new cutting and existing area. Table 3 explains the detail of affected area.

**Table 3: Affected Area by 9.50 km Section of Sunkhani-Kanpa Sub Project**

Affected Land	Area (ha)
Total area of the land within RoW	9.50
Private land	6.11
Private land under existing road	3.47
Private land for new cutting	2.64
Public land	3.39

Source: Household Survey, 2010

9. The census survey of the affected families in 9.50 km section was conducted. The land holding pattern of the APs range from 0.033 ha to 9.54 ha and loss percent range from 0.04 percent to 13.45 percent of total holding. In an average the APs lose 0.02 ha of land and own 0.96 ha of land at present which will decrease to 0.94 ha after sub project's intervention. Table 4 shows the landholdings of the APs. There are 52 households who own less than 0.50 ha of land, and 57 households own more than 1.00 ha of land. It becomes 54 households to hold less than 0.5 ha after project intervention. But the sub project intervention does not result in loss of more than 20 percent of land holding.

**Table 4: Total Landholding of the APs**

Variables	Pre Project		Post Project	
	Frequency	Percent	Frequency	Percent
Land Holding				
<0.5 ha	52	30.41	54	31.58
0.5-1.0 ha	62	36.26	60	35.09
>1.0 ha	57	33.33	57	33.33
Average Holding (ha)		0.96		0.94
Households by Land Loss				
Losing <20%	171	100		
Losing >20%	0	0		
Average (ha)		0.02		

Source: Household Survey, 2010

10. There are seven women headed families among the total affected households by the sub project which are all from ethnic background. These women headed households

do not lose any structure and they will be given preference for livelihood trainings, employment opportunities and receive all benefits as per framework. A brief loss assessment of these households is given in Table 5 with their family priorities.

**Table 5: Family Priority Assessment of Female Headed Households**

HH no	House Head	Family Members	Loss Incurred	Total Income (NRs)	Priority Areas
62	Man Shobha Thami	10	Land	110000/	Income generating training
79	Pampha Thami	1	Land	22000/	Education
81	Santa Maya Thami	3	Land	31000/	Employment
85	Nara Maya Thami	6	Land	63000/	Employment
86	Krishna Maya Thami	5	Land	100000/	Employment
138	Amrit Shobha Thami	1	Land	11000/	Health
156	Mana Maya Thami	5	Land	45000/	Income generating training

Source: Household Survey, 2010

11. There are five private structures of three owners, affected within 9.50 km section of the sub project. The affected structures include residential buildings, business (shop) and sheds and all these structures are fully affected. Though all three owners lose their residential building, no family will be physically displaced. All three owners have another house for shifting. Table 6 gives brief description about the affected structure and their owners (see annex for details).

**Table 6: Summary of Affected Structures along the Alignment**

HH	Owner	Present Use	Storey	Affected Status	Family Members	Physically Displaced
8	Kamal Bdr Thakuri	Residential + Business	3	Fully	8	0
		Goat Shed	1	Fully	--	--
76	Dhan Bdr Thami	Residential	2	Fully	7	0
		Goat Shed	1	Fully	--	--
110	Krishna Bdr Thami	Residential	1	Fully	3	0

Source: Household Survey, 2010

12. About the relocation and rehabilitation of 6 structures, APs have agreed to relocate their structures either on remaining portion of the affected land or push back in same location or rehabilitate within 700 m territory of same location. It is also assured that all APs receive benefits and allowances as per framework which has been decided through CDC. Further APs are fully aware about their compensation, benefit and allowances as RP was disclosed at field sites. Since the sub project does not

experience <sup>1</sup>significant impact, short resettlement plan is prepared to safeguard the APs.

13. Addition to land and structures, 438 trees of different varieties and ownership need to cut down for construction of 9.05 km section of the sub project. There are 264 timber trees of community forests users group (CFUG), religious forest and individuals, 4 fruit trees and 170 bamboos, privately owned. The affected trees are currently owned and used as Table 7 summarizes the tree loss being affected by the sub project section (refer annex for details).

**Table 7: Summary of Affected Trees**

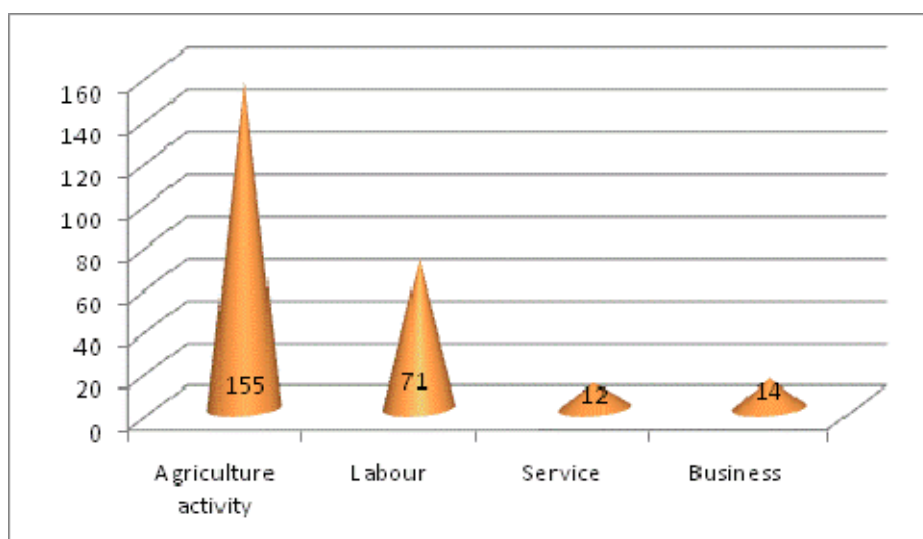
Ownership Type	Number	Remarks
Private trees	93	31 HHs
Janaekata CFUG	86	
Ramche CFUG	19	
Sirimala CFUG	40	
Religious forest	26	Managed by Ramche Community Forest Users Group
Fruit trees	4	2 HHs (Berry, Lapsi)
Bamboo	170	5 HHs

*Source: Household Survey, 2010*

<sup>1</sup> Two hundred or more people experience major impacts defined as i) physically displaced from housing , or ii) losing 20 percent or more of their productive assets.

### 3. SOCIOECONOMIC INFORMATION OF THE AFFECTED HOUSEHOLDS

14. Socioeconomic data of all 171 affected households residing in the first 9.50 km section of the sub project was collected through household survey. Agriculture is a universal phenomenon in the project area as Figure 1 shows most of the APs are engaged in agriculture but interestingly agriculture income is not major source of income. This represents that agriculture has not been commercialized as in most of rural villages in the country. Agriculture is only a means for subsistence living; harvests are only used for household consumption. Despite household consumption, people also earn few cash through sale of cereals, vegetables and animal products. But major sources of income for the affected families are off-farm activities namely labor work, business and services. Data shows that 97 members from 71 affected households work outside Dolakha district to earn their livelihoods in which 80 percent of them are in India for labor work. Among the total APs, economic activities of 7 households are controlled by female which are entirely agriculture supported by labor based income.



**Figure 1: Livelihood Activities of APs**

15. The economic data of affected households show that families have more income from non-agriculture sector compared to agriculture sector. It is revealed that yearly average income of APs from <sup>2</sup>agriculture sector is NRs 6904.53/ whereas income from non-agricultural sector is NRs 78507.89/. Comparing the incomes from two sectors, non-agriculture income is 11 times greater than that of agriculture income.
16. There are 139 families who earn NRs 12000/ or less from agriculture. Meanwhile, there are 155 families who earn more than NRs 25000/ from non-agriculture sector. There are 140 households who earn more than NRs 50000/ yearly from both income sources and 18 households who earn less than NRs 25000/ in a year. From the construction of the sub project, non-agriculture income is not expected to be affected but there will be certain loss in agricultural income. In an average, the affected families will be losing NRs 165.43/ in proportion to loss of their land. In the following page, Table 8 gives the number of families with agriculture and non-agriculture sources with different income level.

<sup>2</sup> Agriculture income here represents only for those earned through sale of agricultural products. It does not include worth of household consumption. Household consumption is represented via Food Sufficiency Month.



**Table 8: Summary of APs Income**

Variables	Pre-Project		Post Project	
	Frequency	Percent	Frequency	Percent
1. Agriculture Income (HH)				
<=12000	139	81.29	140	81.87
12000-25000	25	14.62	24	14.03
>=25000	7	4.09	7	4.09
Average (NRs)	6904.53		6739.10	
2. Non-Agriculture Income (HH)				
<=12000	7	4.09		
12000-25000	9	5.26		
>=25000	155	90.64		
Average (NRs)	78507.89			
3. Total Income (HH)				
<=25000	18	10.53	13	7.60
25000-50000	13	7.60	19	11.11
>=50000	140	81.87	139	81.29
Average (NRs)	85412.43		85247.00	

Source: Household Survey, 2010

17. Average food sufficiency month of the affected families is 7.22 month from their own agriculture production before construction of the road which will decrease to 7.08 month after the land acquisition. There are only 60 households out of 171 affected households who are food sufficient for more than 6 months (see Table 9). Similarly poverty analysis of the households along the 9.5 km alignment show that three families fall below poverty level at present and no family will be pushed into poverty level due to their land acquisition. None of the female headed household fall in the poor category.

**Table 9: Summary of APs Poverty Status**

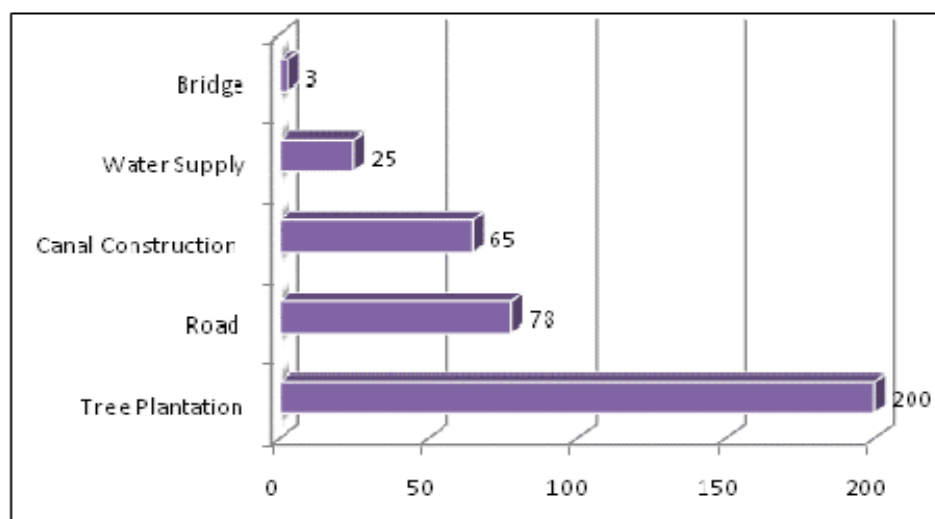
Variables	Pre-Project		Post Project	
	Frequency	Percent	Frequency	Percent
1. <sup>3</sup> Food Sufficiency (HH)				
1-3 Months	9	5.26	9	5.26
4-6 Months	102	59.65	102	59.65
7-9 Months	19	11.11	20	11.70
10-12 Months	41	23.98	40	23.39
Average (months)	7.22		7.08	
2. Poverty (HH)				
<20% Land Loss	171	100	171	100
Above Poverty Level	168	98.25	168	98.25
Below Poverty Level	3	1.75	3	1.75
>20% Land Loss	0			
Above Poverty Level	0			
Below Poverty Level	0			

Source: Household Survey, 2010

<sup>3</sup> Food sufficiency of the affected households has been calculated only from agriculture production.



18. APs have satisfactory linkage with information and communication channel. Out of total 171, 115 households have radio, 6 have television and 26 have mobile phone. But still 17 households have no means of communication at all. As other assets, three of them have camera, one has sewing machine and one has computer. Only 3 of them have solar plant but none of the APs have biogas.
19. At present the settlements of affected families are at a distance of 5 to 15 minutes walk from the nearest road network. They collect firewood at periphery of two hours walking distance and for livestock grazing; they walk for even an hour. Facilities like telephone, medicine is located nearby. But they have to walk for 15-45 minutes for secondary school and 2 hours for college. APs have to walk for 45 minutes for any traditional healer, 25 minutes to reach Ayurved medicine and one hour to reach local market. Veterinary and agricultural services, hospital facilities are located at district headquarter, Charikot which is 3 hours bus travel which costs NRs 100/.
20. The losses experienced by the APs are expected to off-set by benefits of the sub project as well as compensation or assistance (explained in other chapter) provided under the resettlement framework. APs have expected benefits and advantages from implementation of the sub project in their settlement. According to them, they expect to seize employment opportunities in the project, trainings for income generation and largely they except to have easy access for transportation facilities. They also foresee that the road gives them easy access with market centers, will contribute in their business expansion and lodges. They expect that due to road network, they will be able to consume daily goods in cheaper price. On contrary to these, they also predict that there could be environmental pollution, possibility of land slide and will cause accidents and increase social evils.
21. Affected families see good opportunity of employment during road construction. Total of 137 households responded that they are willing to work in the sub project. Moreover these APs have well experienced in infrastructure buildings. Figure 2 represents working experiences of APs in different kind of infrastructure development activities.



**Figure 2: Work Experience of APs in Infrastructure Building**

#### 4. OBJECTIVES, POLICY FRAMEWORK AND ENTITLEMENTS FOR THE SUB PROJECT

22. The major objective of the sub project's RP is to avoid or minimize land acquisition and involuntary resettlement wherever possible and in unavoidable situation to ensure the AP's rights and receive assistance to remain in the same level as they would have been in absence of the sub project. The key resettlement principles of the project are as follows:
  - a. Involuntary land acquisition and resettlement impact will be avoided or minimized through careful planning and design of the sub-project;
  - b. For any unavoidable involuntary land acquisition and resettlement, APs will be provided compensation at replacement cost and/or assistance so that they will be as well-off as without the project;
  - c. APs will not be forced for donation of their land, and there will be adequate safeguards for voluntary land donation.
  - d. APs will be fully informed and consulted during project design and implementation, particularly on land acquisition and compensation options;
  - e. The absence of formal legal title to land will not be a bar to compensation for house, structures and trees/crops, and particular attention will be paid to vulnerable groups and appropriate assistance provided to help them improve their socio-economic status;
  - f. Special attention will be paid to households headed by women and other vulnerable groups, such as indigenous peoples and ethnic minorities and appropriate assistance will be provided to help them improve their status;
  - g. Land compensation and resettlement assistance will be completed before award of civil works contracts, while other rehabilitation activities will continue during project construction; and
  - h. Land acquisition and resettlement will be conceived part of the project and the costs related to resettlement will be included in and financed out of the project cost.
23. The RF for RRRSDP has accepted land donation based only on voluntary basis. Land donation criteria acceptable for the RRRSDP are:
  - a. Donation is unforced and it does not lead impoverishment of affected person.
  - b. Full consultation with the APs and community is done. APs will be informed of their right to entitle compensation for any loss incurred.
  - c. Donated land shall be less than 20 percent of total land holdings and the affected household does not fall below poverty line after donation (assessment after detail socio-economic status). Donation will be limited to only land and minor assets (houses and major assets will be excluded from donation).
  - d. Voluntary land donation will be confirmed through a written record, including 'No Coercion' clause verified by an independent third party.
  - e. Adequate process and safeguards will be built in resettlement plan to secure the APs.
  - f. A grievance redress mechanism will be set-up for sub project chaired by local leader including representation of APs. If grievance redress committee found out that above provisions were not complied with, APs will be excluded from land donation.
24. The sub project selection and planning follow community-driven approach, which gives communities ownership over planning and project implementation. The sub-project will provide direct benefits to community, including improved access to markets and services such as schools, health and other public services. It is believed

that the improved road also will lead to higher value and production of local land because of improved access and availability of agricultural inputs. Given that most local people are willing to voluntarily donate part of their land in road improvement that provides benefit to community. However, adequate process and safeguards are built in the RP ensuring that the voluntary land donation is unforced and it doesn't lead to impoverishment of affected people, including:

- a. Full consultation with affected persons and communities on selection of sites and appropriate design to avoid/minimize additional land take and resettlement effects;
  - b. As a first principle, APs were informed of their right to entitle compensation for any loss of their property (house, land, and trees) that might be caused by the project construction, and the land donation might be accepted only as a last option;
  - c. No one will be forced to donate their land and APs will have the right to refuse land donation;
  - d. In case APs are directly linked to project benefits and thus are willing to voluntarily donate their land after they are fully informed about their entitlement, the project will assess their socio-economic status and potential impact of land donation and accept land donation only from those APs who do not fall below the poverty line after the land donation. Moreover, Land donation will be limited to 20 % land holding.
  - e. Any voluntary land donation (after the process as mentioned above) will be confirmed through a written record, including a "no coercion" clause verified by an independent third party
  - f. The donation will be limited to only land and minor assets (houses and major assets will be compensated);
  - g. A Grievance Redress Committee (GRC) will be set up in every road section (chaired by local leader, and including representatives of APs) and APs who are not satisfied with the land donation can file their complaint with GRC. If GRC found out that the above provisions were not complied with, APs will be excluded from the land donation.
25. All involuntary land acquisition (other than exceptional voluntary land donation) will be compensated at replacement cost. Special attention will be paid to ensure that households headed by women and other vulnerable groups receive appropriate assistance as per framework such as preference in wage labor, skill enhancement training, linkage with saving credit scheme and priorities to take part in maintenance work . Cut-off-Date for the entitlement and owners (including non-titled) of affected assets till such a date will be eligible to be categorized as APs is 12-2-2066. The entitlement policy/matrix of this project is in Table 10.

**Table 10: Entitlement Policy Matrix Applicable in the Sub Project**

Type of Loss	Application	Definition of Entitled Persons	Policy/Entitlement
1. Acquisition of private, tenancy, or Guthi land	Entire or part of land to be acquired from owner of the land as recorded at cut-off-date	<ul style="list-style-type: none"> <li>Titleholder</li> <li>Tenants</li> </ul>	<ul style="list-style-type: none"> <li>Land with equivalent size and category, or cash compensation at replacement cost</li> <li>In case of vulnerable group, preference will be in replacing land for land.</li> <li>Any transfer costs, registration fees or charges</li> <li>Registered tenant will receive the 50% value of the land</li> <li>Land registration in the name of both land owner and spouse (in case of land for land compensation)</li> <li>If remaining land becomes unviable for use as a result of land acquisition, APs will have option to relinquish unviable remaining portion of land and receive similar benefits to those losing all their land parcel.</li> <li>Non-titled persons will receive compensation for crops and subsistence allowance for one year crop, and provided with replacement land if <i>Ailani</i> or Gov. land is available in the village. Any up-front costs for the tenancy agreement will be reimbursed either through an agreement with the land lord or by the EA</li> </ul>
2. Temporary loss of land	Temporary land taken by the project	Titleholder Tenants	<ul style="list-style-type: none"> <li>-Compensation at replacement cost for the net loss of income, damaged assets, crops and trees etc.</li> <li>-An agreement between contractors and APs before entering the site if case of involvement of contractors.</li> </ul>
3. Loss of residential, commercial, and other structure	Structures, buildings including cattle shed, walls, toilets etc. affected by the project.	Owner Tenants Non-titled (encroachers/squatters)	<ul style="list-style-type: none"> <li>-Compensation for full or partial loss at replacement cost of the affected structure without depreciation or deduction for salvaged material.</li> <li>-Displacement and transportation allowance for residential and commercial structures to cover actual cost as estimated in the RP.</li> <li>-Rental stipend equivalent of three months rent for tenants who have to relocate from tented building.</li> </ul>
4. Loss of community structures / resources	Community facilities (e.g. irrigation, water, etc.) affected by the project.	The users of the facility or community or group	<ul style="list-style-type: none"> <li>Reconstruction by the project leaving such facilities in a equivalent or better condition than they were before. or</li> <li>Cash compensation at full replacement cost without depreciation or deduction for salvaged material.</li> </ul>
Loss of trees and crops	Affected fruit/nut trees	Owner of the affected fruit/nut trees	<ul style="list-style-type: none"> <li>Cash compensation based on annual value of the produce and calculated according to the Department of Agriculture (DoA) norms. RPs to confirm that the DoA norms and techniques are sufficient and updated regularly.</li> </ul>
	affected timber and fodder trees	Owner of the affected timber and fodder trees	<ul style="list-style-type: none"> <li>Cash compensation based on calculation of the production and calculated according to the norms as decided by the Ministry of Forestry and Soil Conservation.</li> </ul>
	Affected crops	Owner of the affected crops  Sharecropper of the affected crops	<ul style="list-style-type: none"> <li>Cash compensation based on the local market prices for the produce of one year and calculated as per the norms of District Agriculture Development Office (DADO).</li> <li>50% cash compensation of the lost crop for the sharecropper.</li> </ul>

Type of Loss	Application	Definition of Entitled Persons	Policy/Entitlement
Loss of economic opportunity	Economic opportunity lost as result of loss of livelihood base.	Persons in the road vicinity who may be adversely affected, although they do not lose assets as such	<ul style="list-style-type: none"> <li>• Preferential employment in wage labour in project construction works.</li> <li>• Skills training support for economic restoration</li> <li>• Priority in poverty reduction/social development program</li> </ul>
Loss of time and travel expenses	All expenses incurred in travelling to fill application and making claims and time lost.	The entire project affected persons eligible for compensation.	<ul style="list-style-type: none"> <li>• Project facilitates to avoid time and travel expenses by providing the compensation at site..</li> </ul>
8. Land donations	Loss of land and other assets by means of voluntary donation	Voluntary donation is accepted only if AP: Is project beneficiary and is fully consulted and informed about their rights; Doesn't fall below poverty line after land donation; Donating up to 20% land holding, Unforced or freely willing to donate (with an agreement, including a "no coercion" verified by third party	<ul style="list-style-type: none"> <li>• No compensation for the donated land, but entitled for compensation of other assets such as house, structures,, etc.</li> <li>• Transfer of land ownership by negotiation (DDC and the owner).</li> <li>• Free/escape of any transfer costs, registration fees or charges.</li> <li>• Preferential employment in wage labour in project construction work.</li> </ul>
9. Additional Assistance			
	9.1 Preference t in employment in wage labour in project activities	All APs	<ul style="list-style-type: none"> <li>• Construction contracts include provision that APs will have priority in wage labor on project construction during implementation.</li> <li>• APs shall be given priority after construction for work as maintenance worker, mandated in local body agreement.</li> </ul>
	9.2 Skill training and income generation support	One member of each PAF belonging to vulnerable group/below poverty line	<ul style="list-style-type: none"> <li>• Skill training and income generation support financed by project</li> <li>• RP to include a need assessment and skill training program for APs.</li> </ul>
	9.3 Priority in poverty reduction/social development programs	All APs	<ul style="list-style-type: none"> <li>• Participation of APs with priority in saving credit scheme facilitated by the Project.</li> <li>• Participation of APs with priority in life skills, income generation, and other entrepreneurship.</li> </ul>

<sup>4</sup>Source: RRRSDP, 2007

<sup>4</sup> RRRSDP. 2007. *Resettlement Framework*. Rural Reconstruction and Rehabilitation Sector Development Program. (Unpublished). Ekantakuna, Lalitpur.

## 5. APPLICABLE LEGAL MEASURES

27. The **Interim Constitution of Nepal (2007)** guarantees the fundamental rights of a citizen. Article 19(1) establishes the right to property for every citizen of Nepal, whereby every citizen is entitled to earn, use, sell and exercise their right to property under existing laws. Article 19 (2) states that except for social welfare, the state will not acquire or exercise authority upon individual property. Article 19(3) states that when the state acquires or establishes its right over private property, the state will compensate for loss of property and the basis and procedure for such compensation will be specified under relevant laws.
28. The **Land Acquisition Act (1977)** and its subsequent amendment in 1993 specify procedures of land acquisition and compensation. The Act empowers the Government to acquire any land, on the payment of compensation, for public purposes or for the operation of any development project initiated by government institutions. There is a provision of Compensation Determination Committee (CDC) chaired by Chief District Officer to determine compensation rates for affected properties. The Act also includes a provision for acquisition of land through negotiations. It states in Clause 27 "notwithstanding anything contained elsewhere in this Act, the Government may acquire any land for any purpose through negotiations with the concerned land owner. It shall not be necessary to comply with the procedure laid down in this act when acquiring land through negotiations."
29. The **Land Reform Act (1964)** is also relevant. As per the Act, a landowner may not be compensated for more land than he is entitled to under the law. This Act also establishes the tiller's right on the land which he is tilling. The Land Reform Act additionally specifies the compensation entitlements of registered tenants on land sold by the owner or acquired for the development purposes. The Act amendment most recently in 2001 has established a rule that when state acquires land under tenancy, the tenant and the landlord will each be entitled to 50 percent of the total compensation amount.
30. The **Land Revenue Act (1977)** is also applicable, as the land acquisition involves change of ownership of land. Article 8 of the Act states that registration, change in ownership, termination of ownership right and maintenance of land records are done by Land revenue can be collected through auction of the parcel of the land for which revenue has been due.
31. The **Public Roads Act, 2031 (1974)** empowers the government to acquire any land on a temporary basis for storage facilities, construction camps and so on during construction and upgrading of roads. Any buildings and other structures such as houses, sheds, schools, and temples are to be avoided wherever possible. The government is required to pay compensation for any damages caused to buildings, standing crops and trees. Compensation rates are negotiated between the government and the landowners.
32. Land acquisition must also comply with the provisions set out in the **Guthi Corporation Act 1976**. The Section 42 of the Act states that Guthi (religious/trust) land acquired for a development must be replaced with other land.
33. The government has drafted, with ADB's technical assistance, a **National Policy on Land Acquisition, Compensation and Resettlement Development Projects**. The Policy is still in the draft form, but once approved will provide clear guidelines to screen, assess and plan land acquisition and resettlement aspects in development projects. The draft Policy highlights the need to handle resettlement issues with utmost care and

forethought particularly in case of vulnerable groups. There are provisions of voluntary land donation by non-poor and providing assistance to poor families.

34. The **ADB's Policy on Involuntary Resettlement** states that involuntary resettlement should be avoided where feasible. Where population displacement is unavoidable, it should be minimized by exploring all viable options. People unavoidably displaced should be compensated and assisted, so that their economic and social future would be generally as favorable with the project as it would have been in the absence of the project. People affected should be informed fully and consulted on resettlement and compensation options. Existing social and cultural institutions of resettlers and their hosts should be supported and used to the greatest extent possible, and resettlers should be integrated economically and socially into host communities. The absence of formal legal title to land by some affected groups should not be a bar to compensation; particular attention should be paid to households headed by women and other vulnerable groups, such as indigenous peoples and ethnic minorities, and appropriate assistance provided to help them to improve their status. As utmost possible, involuntary resettlement should be conceived in the presentation of project costs and benefits. The policy addresses losses of land, resources, and means of livelihood or social support systems, which people suffer as result of an ADB project.
35. **ADB's Operational Manual Section F2/OP** states that where projects provide direct benefits to communities, and are amenable to a local decision-making process, arrangements to deal with losses on a transparent, voluntary basis may be included in resettlement plans, with appropriate safeguards. Such safeguards include (i) full consultation with landowners and any non-titled affected people on site selection; (ii) ensuring that voluntary donations do not severely affect the living standards of affected people, and are linked directly to benefits for the affected people, with community sanctioned measures to replace any losses that are agreed to through verbal and written record by affected people; iii) any voluntary "donation" will be confirmed through verbal and written record and verified by an independent third party such as a designated non-government organization or legal authority; and (iv) having adequate grievance redress mechanisms in place. All such arrangements will be set out in a resettlement framework that is prepared before the first management review meeting or private sector credit committee meeting and covenanted.



## 6. INFORMATION DISSEMINATION, CONSULTATION, PARTICIPATION, DISCLOSURE AND APPROVAL OF RP

36. The resettlement/social team of District Implementation Support Team (DIST) in coordination with VICCC and supported by DPO carried out an information campaign during walkover survey, loss assessment, cadastral and household listing and socio-economic survey before APs registration. During household survey, each household was also informed about the sub project, entitlements and procedures. This RP has been disclosed to the APs and informed about their entitlements along with project procedure and planning. The consultation meetings in the community explained:
- Relevant details of the sub project scope and schedules,
  - RP and various degrees of project impact,
  - Details of the entitlements under the RP and requirement of APs to claim their entitlement,
  - Implementation schedule with time sheet for entitlements delivery,
  - Compensation process and compensation rates to be considered,
  - Detail explanation of the grievance process and other support in arbitration,
  - Role of DPCC, VICCC and GRC and
  - Special consideration and assistance of all vulnerable groups.
  - Relocation and rehabilitation and follow-up mechanism
  - Income restoration and skill enhancement training
37. A continued information and consultation program will be conducted during RP implementation and income restoration. The Resettlement Assistant (RA), Social Development Specialist of DIST will act as information conduit. RA will also facilitate DPO in land donation, compensation process and actively encourage and enable the APs to participate in the process. The role will be continued for purpose of grievance procedures and for post-implementation stage. There were numerous public consultations and meetings with public and VICCC, GRC sub committees from the beginning stage of sub project. Summary of major consultations with public are tabulated in Table 11 (Refer Annex for minutes).



**Table 11: Summary of Public Consultations made in the Affected Settlements**

Date	Venue	Participants*		Agendas/ Decisions
1/7/2067	Bhdaure , Sunkhani	F	0	Consent of CFUGs for road construction
		D	1	
		J	2	
		T	15	
12/18/2066	Godung, Lapilang	F	9	Public consultation of land donation Discussion on group land donation Information dissemination about ADB's procedure
		D	3	
		J	23	
		T	53	
12/2/2066	Godung, Lapilang (VICCC meeting)	F	9	Information dissemination on road construction Discussion on group land donation VICCC role's in public consultation
		D	4	
		J	5	
		T	20	
12/1/2066	Bhadaure, Sunkhani	F	4	Public consultation of land donation Information dissemination on road construction
		D	3	
		J	0	
		T	32	
12/1/2066	Patagoung, Lapilang	F	24	Public consultation of land donation Discussion on group land donation Information dissemination about ADB's procedure
		D	2	
		J	15	
		T	66	
12/1/2066	Godung, Lapilang	F	30	Public consultation of land donation Discussion on group land donation Information dissemination about ADB's procedure
		D	4	
		J	89	
		T	129	
2/11/2066	Bhadaure, Sunkhani	F	2	Public consultation of land donation Information dissemination about ADB's procedure Consent of CFUGs for road construction
		D	2	
		J	0	
		T	10	
3/11/2066	Bhadaure, Sunkhani (GRC sub-committee meeting)	F	1	Reactivation of GRC sub-committee and orientation of its role Information dissemination on road construction
		D	2	
		J	0	
		T	13	
8/11/2066	Lepung, Lapilang (GRC sub-committee meeting)	F	1	Reactivation of GRC sub-committee and orientation of its role Information dissemination on road construction
		D	1	
		J	2	
		T	5	

\* F=Female, D=Dalit, J=Janajati, T=Total

<sup>5</sup>Source: Meeting Minutes, 2009-2010

38. Copies of approved RPs with summary in Nepali language will be placed at DDC/VDC offices accessible to public. During implementation stage, DPO will prepare resettlement monitoring reports and make them available to affected APs and also post in DoLIDAR's website.

<sup>5</sup> This table has been derived from various minutes of meetings, consultations in the community during 2009-2010 period.

## 7. GRIEVANCE REDRESS MECHANISMS

39. APs can appeal to CDO and Ministry of Home Affairs in case of any grievances under regulations specified under the Land Acquisition Act 2034 (1997). In order to simplify the process and to help the APs settle cases locally, the project has set up a Grievance Redress Committee (GRC) in the district and a GRC sub-committee at each VDC level for hearing complaints of APs and for their resolution. GRC comprises of
  - Head of DDC/local leader (Chairperson),
  - One representative of local bodies,
  - Two representatives of APs (including VG member),
  - One representative of civil society organizations,
  - One representative of project,
  - SDS and NGO to attend as observers and to support APs
40. GRC sub-committee is formed at each VDC, Sunkhani and Lapilang at the moment for easy access of affected people. RA and Social Mobilizers (SMs) will also act as intermediaries to assist vulnerable APs. APs can approach the sub-committee with his/her problem which is then discussed locally with an aim of amicable solution. These GRC committee and sub-committees will remain in function throughout the project implementation period.
41. Affected people who feel pressurized for land donations or any unsatisfied APs on compensation, replacement of lost assets and livelihoods, allowances provided and other disputes relating to legal rights can complain to the office of GRC and its sub-committees. Generally, grievances will be redressed within two to four weeks from date of lodging the complaints. Process followed for grievance resolution is as follows:
  - **Step 1:** APs file complaints at GRC sub-committee at VDC level. The complaints will be discussed among concerned parties to settle the issue locally within 15 days from appeal date. RA/SMs and NGOs working in the VDC will facilitate consultation and deliberation in this regard
  - **Step 2:** If no amicable solution is reached at VDC level within 15 days, APs can appeal to GRC at district level.
  - **Step 3:** If APs are not satisfied with the decision of GRC or fail to receive response from them, AP may resort to legal remedies available under the Land Acquisition Act (1977).
42. Affected person along the sub project is informed about the provision of grievance redress mechanism of the project and existence of such committees in VDC and district level during project information dissemination period where they can file their grievances about losses, forced donation, compensations or other disturbances during implementation phase.
43. Summary of RP document in Nepali language was disclosed among the affected people. They were informed about the losses made by sub project, compensation provisions. CDC rates, training and employment opportunities. There were no complaints filed at the assessment period neither after RP disclosure. APs are informed about the existence of GRC sub committees even during the implementation period for any dissatisfaction in later stages.

## **8. COMPENSATION AND INCOME RESTORATION**

### **8.1 Valuation and Compensation Determination**

44. The survey and valuation affected land and households were undertaken by survey team at District Project Office (DPO) assisted by DIST. The team has assessed loss and fixed value for compensation. Cadastral mapping has verified the land plots under road alignment to make the deed transfer process easy. The notice date 2-12-2066 will be 'cut off date' for the project.
45. Land plots other than voluntarily donated and other losses incurred are compensated by the sub project. Loss of structures, business, residence, trees, fruits and crops are compensated. Compensation amount are valued under replacement cost principle by DIST which need endorsement by CDC. CDC was formed under the chair of Chief District Officer (CDO) Sri Krishna Shrestha on 11-5-2010 to determine compensatory rates for affected assets.
46. Members from VICCC, GRC sub-committees were invited as an observer and DIST team to facilitate and explain the RP policies and framework. CDC has decided to approve valuations that were proposed in the RP document. It has agreed for compensating land plots of below poverty level households. Payments for the losses will be made at public meeting in local area for small amounts and cheque will be used for larger amounts like for land, structures.

### **8.2 Income Restoration and Rehabilitation Program**

47. Project will incorporate compensation of loss incurred as well as also proposes various programs to restore or rehabilitate their loss income through direct employment and other measures. Income restoration programs are specially focused for affected households, women headed households, particularly who are poor, vulnerable or are at risk of impoverishment. The contract documents also include provisions regarding preferential employment of APs. The sub project will make effort to provide at least 90 days of unskilled job to one adult from each affected families to enable them to earn sufficient to restore their income which is carried out through APs Road Builders' Group (RBG). The APs will be benefited in long term through projects saving and credit program which encouraged the laborers to save 20 percent of their payment.
48. Beside direct employment in the sub project, Social Action Plan (SAP), Gender Action Plan (GAP) and Indigenous People Development Plan (IPDP) will incorporate all families from Zone of Influence (Zol) for long term development of sub project affected families (refer SAP, GAP, IPDP). APs' are further given priority to become maintenance workers after completion of the sub project construction.

### **8.3 Livelihood Enhancement Skills and Training (LEST) Program**

49. Apart from employment in the sub project, APs will be benefited from LEST to enhance their livelihood. LEST will include income generating activities which will be delivered through trainings and other supplementary investments. These programs are expected to reestablish APs lost livelihood options and development of new income generating opportunities as these trainings are based on the need assessment of affected families.

50. Among 1055 affected populations, sub project will emphasis economically active population to receive trainings or involve in road construction with gender sensitive approach. Further the training scheme of the sub project approves participation of one member from each affected household which includes the households of indigenous people (Thami people) women headed, Dalits and others .It figured out 158 people to be participating in the income generating trainings out of 171 affected households. Remaining households could not participate in the scheme as some are one-member family, some physically disable and some are elderly people. The APs will also receive awareness trainings under SAP, GAP, and IPDP plan.
51. APs were found to have various skills of bamboo works, mat waving, carpentry, food processing and masonry. Female APs were skilled on bamboo, food processing and mat works. The APs have received various trainings organized by different I/NGOs, DDC, VDC and Small Cottage Industry. In these trainings, total 81 people have participated in which 74 are female participants. Since APs have received trainings on various topics earlier, sub project's LEST program will entirely depend on APs need assessment. The need assessment of the APs was carried out through Focus Group Discussion and individual household's consultation. The economically active population APs from indigenous people (Thami) households, Dalits and women headed households will receive trainings for their livelihood enhancement. The participants of training are recommended to be 16-45 age categories. Table 12 shows different trainings to be implemented in the sub project as prescribed by the APs themselves.

**Table 12: Livelihood Enhancement Skill Trainings for APs**

S.N	Training	Trainees*			Duration ( Days)	No. of Events	Rate Per Person ( NRs)	Cost ( NRs)	Remarks
		F	M	T					
1	Masson	5	25	30	15 days	3		294,500.00	
2	Cook	5	5	10	1 month	1		90,000.00	
3	Poultry Farming	12	2	14	7 days	1		80,000.00	
4	Amlisho Farming	15	3	18	7 days	3		174,080.00	
5	Sewing Cutting	8	0	8	3 months	1		100,000.00	
6	Carpentry	0	8	8	1 months	1		147,000.00	
7	Basic Computer	1	5	6	3 months	1		117,000.00	
8	Lokta Farming	6	6	12	7 days	1		150,000.00	
9	Radio, Mobile Repairing	0	2	2	2 months	1		30,000.00	
10	Vegetable Farming	9	2	11	7 days	1		65,000.00	
11	Weaving	8	0	8	3 months	1		110,000.00	
12	House Wiring	0	17	17	1 months	1		121,215.00	
13	Horticulture/ Nursery	8	6	14	7 days	1		110,000.00	
	<b>Sub Total</b>	<b>77</b>	<b>81</b>	<b>158</b>		<b>17</b>		<b>1,588,795.00</b>	

\*F=Female, M=Male, T=Total

<sup>6</sup>Source: FGD,2010

52. DPO will be an important cord to deliver the APs expectation by providing institutions locally available or from neighboring districts. DIST social team will help in identifying and

<sup>6</sup> Need assessments of the APs were conducted on various dates during March-April 2010.

employing professionals to impart the social package where preference will again be given to locally based resource persons or institutions having expertise in the subject area so that continuity of support will remain even after the program completion. District level sector wise line agencies of the government will also be mobilized by DPO for additional resources, if required.

#### **8.4 Voluntary Land Donation Process**

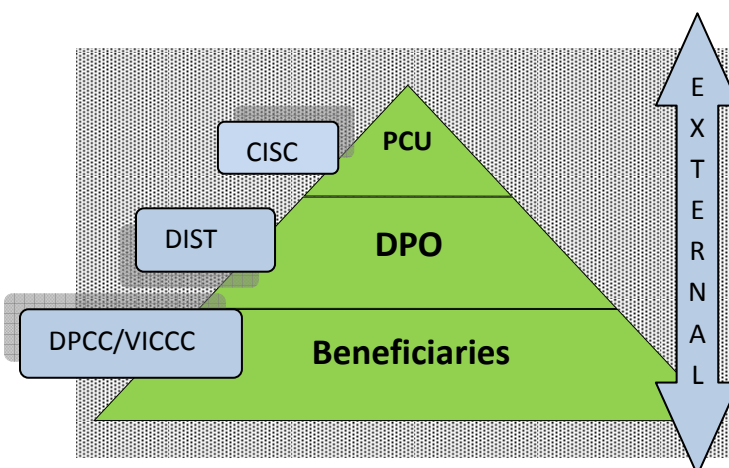
53. The identified APs losing land and other properties were called for community meeting to disclose the draft Resettlement Plan and discuss resettlement procedures. The APs were informed about the land donation provisions as described in the RF of the project. After the information, majority of the APs agreed to donate their land already occupied by the existing road. The concerned land owners were informed individually and the Memorandum of Understanding (MoU) was signed with DPO. The households donating or agreeing to provide land on negotiated price signed a written consent in the presence of officials from VICCC, GRC sub-committee and NGO Federation as third party. The forms were signed without pressure or coercion. All the eligible APs have signed MoU for the affected land both new cut area and existing area. These voluntary donors will be rewarded by DPO by issuing an appreciation letter. In the first 9.5 km section, 157 except 3 below poverty and 11 absentee households donated 5.47 ha of land in as total land to the road where as 2.27 ha is new cut area which is equivalent to NRs 0.91 million.

## 9. INSTITUTIONAL FRAMEWORK

### 9.1 Institutional Arrangement of the Project

53. There are various agencies and different tiers as institutional arrangement for execution of this sub project. The key agencies involved in implementation of this sub project are :

- Project Coordination Unit (PCU) supported by Central Implementation Support Consultants (CISC) at Department of Local Infrastructure and Agricultural Roads (DoLIDAR), Ministry of Local Development (MLD);
- District Project Office (DPO) supported by District Implementation Support Team (DIST) at District Development Committee (DDC); and
- Village Infrastructure Construction Coordination Committee (VICCC).
- Third party monitoring agency



**Figure 3: Institutional Arrangement of the Project**

### 9.2 Central Level

54. Project Executing Agency, established by PCU, handles and coordinates RRRSDP management works. The overall responsibility of PCU is to coordinate resettlement activities. CISC will support PCU in effective planning and implementation of the resettlement, compensation and rehabilitation measures outlined in the RP. The resettlement specialists under PCU/CISC will look after policy compliance and monitors RP implementation.

### 9.3 District Level

55. At the district level, DPO is established to ensure that ADB's policy on involuntary resettlement is following in preparation and implementation of sub project's RP. Similarly DIST will assist the DPO in planning and implementation of resettlement activities. DIST will also help APs with information campaigns to promote clarity and transparency, and help with community level consultations about entitlements, compensation payments and income generation opportunities. Further DIST is also advocate of APs rights where as DPO act in coordinating CDO, Land Revenue and Survey Office, District Agriculture Development Office, District Forest Office where required.

56. Land Acquisition Act, 2034 (1977) provides for the establishment of CDC to decide compensation levels at District level. This is composed of the CDO, LRO, representative of DDC and project coordinator. To make the decision making process transparent, two representatives from the APs and VICCC member will be invited as observers. CDC under Land Acquisition Act, 2034 plays a major role in providing notice, deciding rates of compensation in the sub project.

**9.4 Sub Project Level**

57. Project Coordinator (PC) of the district will lead the implementation of plan in sub-project level. PC will integrate construction, land acquisition and compensation activities within the sub project. District Project Coordination Committee (DPCC) and VICCC will provide necessary support to PC in the whole planning, implementation and monitoring of resettlement activities. In addition, GRC and its subcommittee and RBGs also has important facilitator role in the sub project level.

**9.5 Third Party Monitoring**

58. There will be independent external agency to monitor the implementation activities of the project. The third party will sample the affected households in order to assess the resettlement objectives achievement and changes occurred.



## 10. RESETTLEMENT BUDGET AND FINANCING

59. According to Land Acquisition Act 1977, land and property acquired are compensated and budget required are incorporated in the project cost. The budget includes:

- Direct compensation costs for acquisition of assets,
- Costs associated with rehabilitation of APs,
- Administrative costs for RP implementation.

### 10.1 Cost of Compensation for Assets

60. Compensation for assets includes land, standing crops, structures and trees. Budgeting of such assets is based on district rates. Land rates are based either on government rate or prevailing market rate. Standing crops are calculated on the rates given by District Agriculture Office and that of trees rates by Forest Office. Similarly valuations of structures are done with the help of DPO (with reference to Department Technical Office). All these valuations are finally endorsed by CDC and then applicable in the sub project.

61. There is also voluntary land donation provision by APs to the sub project acceptable if the AP is losing less than 20 percent of his/her total land holding, is above district poverty level and is unforced. In this section of alignment, all APs are willing to donate land but land donation has been taken only from those who are eligible for donation. Hence land donation was made by the eligible APs which was witnessed by VICCC and GRC sub committees. Further land donation has been verified by independent third party, NGO Federation-Dolakha Branch quoting it was unforced.

### 10.2 Cost of Compensation for Land

62. Cost estimation of land depends on its type and rates of government and prevailing market rates. CDC meeting held on 11-5-2010, finalized market rate which was proposed by VICCC meeting. There are 3 households to be compensated for land as they fall below poverty line. Land rate belonged to these households decided by CDC is given in Table 13. Compensation for land of those below poverty line (3 HHs) is NRs. 19,794.00. And the valuation of agreed donation of land is equivalent to NRs. 1,268,270.63.

**Table 13: Land Rate for Compensation**

SN	Land Type	Rate per sqm (NRs)
1	Lapilang 5, Bari	49.14
2	Lapilang 5, Pakho	29.49
3	Lapilang 6, Bari	78.63
4	Lapilang 6, Pakho	29.49

Source: CDC Minute, 2010

#### 10.2.1 Cost of Compensation for Trees

63. In case of trees compensations, sub project does not compensate product of the tree but only labor required for its harvest and transportation cost. Required labor and transport cost is evaluated on the quality of tree which is based on Ministry of Forest and Soil Conservation (MoFSC) Norms 2060. It gives labor requirement for felling of trees and transportation based on the girth and height of trees, distance and district rate which is given in Table 14 and 15.



**Table 14: Labor Requirement for Cutting Trees**

Girth of Tree	Labour Requirement ( Man days)
Above 12 cm to 30 cm	0.13
Above 31 cm to 60 cm	0.39
Above 61 cm to 90 cm	0.52
Above 91 cm to 120 cm	1.56
Above 121 cm to 180 cm	2.5
Above 181 cm to 240 cm	4.00
Above 240 cm to 300 cm	12.99
Above 300 cm	41.67
For small seedling less than 12 cm girth is RS 10 per seedling	

<sup>7</sup>Source: Ministry of Forest and Soil Conservation, 2060

**Table 15: Labor Requirement for Transportation of Trees**

Distance between felling spot and stacking yard	Labour Requirement (man days)
First 10 m	0.50
For each additional 10 m	0.08
First 1000 m	8.42
For each additional 1000 m	8.00
For first 5000 m	40.42
Dolakha district's wages rate decided for FY 066/67 is Rs 205.00	

Source: Ministry of Forest and Soil Conservation, 2060

64. There are total 264 trees affected by road alignment in which 93 belonged to individuals and 171 belong to community forests. Summarized cost estimation of trees has been given in Table 16 and detail costing has been annexed which was endorsed by CDC meeting.

**Table 16: Summary of Trees Compensation**

SN	Name of Owner	Number of Trees	Cost (NRs)
1	Private trees	93	24,196.29
2	Janaekata CFUG	86	20,823.93
3	Ramche CFUG	19	5,494.82
4	Sirimala CFUG	40	9,853.98
5	Religious forest	26	11,386.29
<b>Total</b>			<b>71,755.31</b>

Source: CDC Minute, 2010

### 10.2.2 Cost of Compensation for Structures

65. Costs for structures are based on built year for its replacement cost without deducting depreciation of salvaged material. There are total five privately owned structures affected by the sub project but since cattle sheds are constructed attached with the residential building as in rural houses, structure valuation is also done jointly. The privately affected structures are 3 residential buildings, 2 goat sheds attached with the residential buildings and one business structure (small shop in the same house). Summary of cost for structures decided by CDC is given in Table 17 (See annex for detail). Business, rental and transportation allowances required for replacement of the buildings are decided as per the framework by CDC, described in paragraph 69/70.

<sup>7</sup> MFSC, 2060. Ministry of Forests and Soil Conservation, Kathmandu.

**Table 17: Cost Estimation of Affected Structures**

HH	Name of Owner	Structure	Amount (NRs)	Remarks
8	Kamal Bdr Thakuri	Residence+ Business + Shed	145,247.00	Combine value
76	Dhan Bdr Thami	Residence + Shed	73,311.00	Combine value
110	Krishna Bdr Thami	Residence	30,240.00	
<b>Total</b>			<b>248,798.00</b>	

Source: CDC Minute, 2010

### 10.2.3 Cost of Compensation for Fruits and Bamboos

66. Dolakha district is one situated in mountainous region with cool temperate climate; there is high potentiality of citrus fruits. As the sub project passes through the northern part of the district and people are not aware of horticulture production, fruit production is not popular and there are not many more fruit trees to be removed. Unlike timber trees, fruits and bamboos are compensated for their product value. Three Kafal trees, one Lapsi and four bamboo chumps are affected by the road alignment. All the fruit bearing trees and saplings are compensated according to District Agriculture Office, endorsed by CDC. Total 4 fruit trees, 4 saplings and 170 bamboos equivalent to NRs 15000.00/ was finalized by the CDC (Refer annex for detail costing).

### 10.2.4 Cost of Compensation for Standing Crops

67. There was rice and maize mostly in the affected plots during household. But it is most likely that the land plots will have some other crops during road construction phase. CDC has decided to compensate one variety of crops grown in new cut area, depending upon yearly crop cycle of the settlement. The rate determined for the crops are given in Table 18 as per District Development Office. The total cost for compensation of affected crops in the new cut area is NRs 123195.06/ (Refer annex for detail costing).

**Table 18: Crop Rate for Compensation**

SN	Crop Varieties	Production (kg per ropani)	Rate (NRs per kg)
1	Rice	110	24
2	Maize	105	22

Source: CDC Minute, 2010

## 10.3 Cost of Rehabilitation Support

### 10.3.1 Business/Rental/Transportation Allowances

68. Cost in this category cover support measures for affected individuals and households basically rental support for those losing residence and business allowance for those losing business. These allowances are provided for 90 days in the current market value. Since three residences losing families have another place for shifting, rental allowances are not proposed with agreement from VICCC. One shop which will be shut down due to dismantling of house will be provided NRs 13,500.00 calculated for 90 days.
69. Transportation allowances are also given for those losing residence/business in order to shift the materials to safe destination. Transportation allowances for shifting dismantled materials of three residence buildings is NRs 44,000.00.

### 10.3.2 Other Costs

70. Other allowances include compensation of time spent by the APs due to sub project during deed transfer. It also includes two-way transportation cost incurred during deed transfer. Government tax required to transfer ownership and making new land certificated of APs is also governed by RP cost. The total cost required for deed transfer process is NRs 448,500/. In addition to these costs, RP also reserve fund for Donora' Appreciation Program which is NRs 109,900.00.

### 10.4 Total Cost of RP

71. Resettlement cost includes compensation for land loss or crops, trees, structures, LEST and other administrative allowances. The direct cost includes compensation amounts which are valued as NRs 0.747 million. Total RP implementation cost including direct and indirect costs is estimated NRs 2.96 million. Detail budget breakdown of RP is given in Table 19.

**Table 19: Summary of RP Cost**

SN	Particulars	Unit	Total Loss	Amount (NRs)
<b>1</b>	<b>Direct Cost</b>			
1.1	Compensation for Private Land	sqm	527	19,794.00
1.2	Compensation for Structures	no	5	248,798.00
1.3	Compensation for Private Trees	no	93	24,196.29
1.4	Compensation for Fruits and Bamboos	no	178	15,000.00
1.5	Compensation for Forest Trees	no	171	47,559.02
1.6	Compensation for Standing Crops	kg	5558.51	123,195.06
1.7	Allowance for Affected Structures	Lump sum		57,500.00
1.8	Reserve Fund	sqm	3054	211,758.46
	<b>Sub Total, NRs</b>			<b>747,755.83</b>
<b>2</b>	<b>Indirect cost</b>			
2.1	Deed Transfer Fees (171 HH @ NRs.1000)	Lump sum		171,000.00
2.2	Deed Transfer Assistance (185 H @ NRs.1500)	Lump sum		277,500.00
	<b>Sub Total, NRs</b>			<b>448,500.00</b>
<b>3</b>	<b>APs recognition progr am (157 @ 700/)</b>	Lump sum		109,900.00
<b>4</b>	<b>Livelihood Enhancement and Skill Development Training ( LEST )</b>	158 HH		1,588,795.00
	<b>Total, NRs.</b>			<b>2,894,995.83</b>
	Contingency (2.5%)			72,374.90
	<b>Grand Total, NRs. (1+2+3+4)</b>			<b>2,967,370.73</b>

## 11. IMPLEMENTATION SCHEDULE

72. Proposed RP implementation schedule for Sunkhani-Kanpa Sub Project, first 9.50 km , Sunkhani – Lapilang section, is shown in Table 20.

**Table 20: RP Implementation Schedule**

SN	Activities	Mar, 10				Apr, 10				May, 10				Jun, 10				Jul, 10				Aug-Sep,10				Oct-Nov, 10			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	Final list of APs																												
2	Grievances filing, consultation, resolution																												
3	Submission of final report to CDC for compensation determination																												
4	CDC meeting and compensation determination																												
5	Disclosure of RP summary in Nepali language in community																												
6	Submission of draft RP to PCU																												
7	Submission of final RP to ADB																												
8	Information Dissemination to APs for compensation claim																												
9	Collection of application from APs for compensation																												
10	Verification of application from APs and preparation of final eligible list																												
11	Payment of compensation to eligible APs																												
12	MoU signature for land donation																												
13	Deed transfer																												
14	Implementation of LEST																												
15	RP implementation verification survey by PCU																												
16	RP implementation verification status report to PCU																												
17	Resettlement verification report and concurrence from ADB for contract award																												
18	Contract agreement with BGs and contractors																												
19	External monitoring of RP implementation and other process as a whole																												

*Light cell: completed, Dark cell: to be achieved*

<sup>8</sup>Source: District Implementation Support Team, 2009

<sup>8</sup> Implementation Schedule of District Implementation Support Team, 2010.

## **12. MONITORING AND EVALUATION**

### **12.1 Monitoring at District Level**

73. The project has a mechanism to monitor and evaluate the resettlement and compensation process. DPO itself is responsible for the internal monitoring of RP and implementation throughout the sub project cycle. DPO submits monthly progress reports to PCU on implementation of RP and PCU submits quarterly reports to ADB for its review. Such reports will also be made available on websites of ADB and PCU.
74. PC or his/her representative will attend village level groups meetings mainly, VICCC meetings, when required. Progress on RP and relevant issues will be discussed in such meetings for resolutions or any grievances locally. The VICCC and resettlement, social staff will facilitate the monitoring of progress and resolution of any grievances.
75. DPO also organizes periodic progress review workshops involving APs representatives. Special attention will be paid on securing the participation of women in the review workshops. The workshops will provide households with opportunities to discuss both positive and negative aspects of their resettlement, compensation and reestablishment. An inclusive problem-solving approach will be followed, using local experiences and realities as the basis for solutions. Resettlement/Social development Specialist will facilitate such workshops.

### **12.2 Verification by PCU**

76. A satisfactory verification report on RP implementation is prepared by PCU assisted by Resettlement Specialist/Assistant and is submitted to ADB along with the proposal to award contracts. Verification report with completion of land compensation is condition to forward contract award and commencement of civil works hence verification report investigates that land donations were freely made with adequate safeguards and assess compensation is paid to concerned and all APs.

### **12.3 External or Third Party Verification**

77. The sub project implementation activities will be monitored and evaluated externally once a year through an independently appointed agency, consultant or NGO not involved with any aspect of project. Resettlement staff in the district and in centre will support the external party for monitoring. This external verification report is submitted to both PCU/DPO and ADB. PCU is responsible for hiring such external monitoring agency with ADB concurrence.
78. A sample survey of affected households needs to be undertaken to assess the degree to which the project's resettlement objectives have been met. The socio-economic survey undertaken for land acquisition will form baseline data, from which many of the indicators can be measured. A sample survey at the end of the sub project period will cover all the categories of APs and assess changes resulted from the project. The aim of sample monitoring survey is to measure the extent to which APs living standards have been restored or improved. Table 21 in the following page includes monitoring indicators for external monitoring.

**Table 21: Monitoring and Evaluation Indicators**

Type	Indicator	Examples of Variables
Process Indicator	Staffing	<ul style="list-style-type: none"> <li>-Number of DoLIDAR staff on RRRSDP, by district project office and job function</li> <li>-Number of DIST staff on RRRSDP, by district and job function</li> <li>-Number of other line agency officials available for tasks</li> <li>-Number of resettlement/social mobilization personnel located in the field</li> </ul>
	Consultation	<ul style="list-style-type: none"> <li>-Number of consultation and participation program held with various stakeholders</li> <li>-VICCC, GRC formed by sub project in district</li> <li>-Number of VICCC meetings held</li> <li>-Grievances by type and resolution</li> <li>-Number of field visits by CISC/PCU staffs</li> <li>-Number of field visits by resettlement/social staffs</li> </ul>
	Procedures in Operation	<ul style="list-style-type: none"> <li>-Census and asset verification/quantification procedures in place</li> <li>-Effectiveness of compensation delivery system</li> <li>-Number of land transfers (owner to GoN) affected</li> <li>-Coordination between PCU, DTO/DPO and other line agencies</li> </ul>
Output Indicators, Data Disaggregated by Sex of Owner/ Head of Household	Acquisition of Land	<ul style="list-style-type: none"> <li>-Area cultivated land acquired by sub project road</li> <li>-Area of other private land acquired</li> <li>-Area of communal/government land acquired</li> <li>-Area of land compensated</li> <li>-Area of land voluntarily donated</li> </ul>
	Structures	<ul style="list-style-type: none"> <li>-Number, type and size of private acquired</li> <li>-Number, type and size of community structures acquired</li> <li>-Number, type and size of government structures acquired</li> </ul>
	Compensation and Rehabilitation	<ul style="list-style-type: none"> <li>-Number of households affected (land, buildings, trees, crops)</li> <li>-Number of owners compensated by type of loss</li> <li>-Amount compensated by type and owner</li> <li>-Number and amount of allowances paid</li> <li>-Number of replacement houses constructed by concerned owners</li> <li>-Number of owners requesting assistance with purchasing of replacement land</li> <li>-Number of replacement land purchases</li> <li>-Livelihood restoration cost</li> </ul>
	Reestablishment of Community Resources	<ul style="list-style-type: none"> <li>-Number of community structures repaired or replaced</li> <li>-Number of trees planted by government agency</li> </ul>
Impact Indicator-Data Disaggregated by Sex of Owner/Head	Household Earning Capacity	<ul style="list-style-type: none"> <li>-Employment status of economically active members</li> <li>-Land Holding size, area cultivated and production volume, by crop</li> <li>-Selling of cultivation land</li> <li>-Changes to livestock ownership: pre-post disturbance</li> </ul>

of Household		<ul style="list-style-type: none"> <li>-Changes to agriculture income earning activities: pre-post disturbance</li> <li>-Changes to off-farm income earning activities: pre-post disturbance</li> <li>-Amount and balance of income and expenditure</li> </ul>
	Changes to Status of Women	<ul style="list-style-type: none"> <li>-Participation in training programmes</li> <li>-Use of credit facilities</li> <li>-Participation in road construction</li> <li>-Participation in commercial enterprises</li> </ul>
	Changes to Status of Children	<ul style="list-style-type: none"> <li>-School attendance rates (male/female)</li> <li>-Participation in commercial enterprises</li> </ul>
	Settlement and Population	<ul style="list-style-type: none"> <li>-Growth in number and size of settlements</li> <li>-Growth in market areas</li> <li>-Influx of squatters/encroachers</li> <li>-Increase in trips made to DPO/DDC</li> <li>-Increase in use of modern facilities</li> </ul>

### 13. CONCLUSIONS

79. The first 9.50 km, Sunkhani -Lapilang section of Sunkhani-Kanpa Road Sub Project needs 9.50 ha of land affected 171 households. Among the total area required, 6.11 ha of land area belongs to 171 households. The sub project affects five private structures in which three are residential buildings. But since the affected families have another home for living, hence no family is physically displaced by the sub project. One business (shop) also needs to shut down for certain period for its relocation. All the affected structures are advised to compensate on the actual basis without depreciation along with the rehabilitation allowances .Since RP has made clear provision to pay compensation to absentee owners. RP has suggested for payment of trees to be cut down and crop value in the affected land. The pre-post analysis of APs show only three households are below poverty line who will be compensated for their land loss and no household loose more than 20 percent of their total land. There is no female headed household in below poverty line or losing more than 20 percent of land holding. Hence, there are no significant impacts noticed in the first 9.50 km , Sumkhani – Lapilang section of the sub project. Minor resettlement impacts experienced by affected people are safeguarded via this Short Resettlement Plan.



# Appendices

# List of Affected Households

Appendix I

List of Affected Households

HH	Official land owner	Household Head	Plot number	Remarks
1	Nir Bahadur Karki	Nir Bahadur Karki	2	
2	Bhala Raj / Sher Bhadur Basnet	Sher Bhadur Basnet	2	
3	Krishna Bahadur Khadka	Krishna Bahadur Khadka	3	
4	Chakra Bahadur Basnet	Chakra Bahadur Basnet	5	
5	Durga Bahadur Shahi	Durga Bahadur Shahi	2	
6	Tirtha Bahadur Thakuri	Tirtha Bahadur Thakuri	1	
7	Bir Bahadur Thakuri	Bir Bahadur Thakuri	1	
8	Kamal Bahadur Thakuri	Kamal Bahadur Thakuri	1	
9	Rudra Bahdur Thakuri	Rudra Bahdur Thakuri	2	
10	Chhtra Bahdur Shahi	Chhtra Bahdur Shahi	1	
11	Padam Bahadur Shiwakoti	Padam Bahadur Shiwakoti	1	
12	Bam Bahadur/ Bhim Kumari Basnet	Bam Bahadur Basnet	1	
13	Lal Bahadur / Padam Bahadur Siwakoti	Padam Bahadur Siwakoti	2	
14	Bhim Bahadur Karki	Bhim Bahadur Karki	2	
15	Kalyani Thapa	Kalyani Thapa	2	
16	Dan Bahadur Basnet	Dan Bahadur Basnet	2	
17	Durga Bahadur Thakuri	Durga Bahadur Thakuri	1	
18	Yam Bahadur Thkuri	Yam Bahadur Thkuri	3	
19	Ammar Bahadur Thakuri	Ammar Bahadur Thakuri	2	
20	Shamsher Thakuri	Shamsher Thakuri	2	
21	Chhatra Bahadur Thakuri	Chhatra Bahadur Thakuri	2	
22	Tulsi Ram Thakuri	Tulsi Ram Thakuri	1	
23	Bal Shobha Thami	Bal Shobha Thami	1	
24	Hom Bahadur Karki	Hom Bahadur Karki	1	
25	Dil Bahadur Basnet	Dil Bahadur Basnet	1	
26	Bhim Kumari Thapa	Bhim Kumari Thapa	1	
27	Nara Bahadur Thapa	Nara Bahadur Thapa	3	
28	Chandra Bahadur Thapa	Chandra Bahadur Thapa	3	
29	Surya Bahadur Thapa	Surya Bahadur Thapa	2	
30	Ganga Maya Thapa	Ram Bahadur Thapa	1	
31	Bhim Bahadur Thapa	Bhim Bahadur Thapa	1	
32	Gokula Bahadur Thami	Gokula Bahadur Thami	1	
33	Dil Bahadur Thapa	Dil Bahadur Thapa	1	
34	Dambar Bahadur Thami	Dambar Bahadur Thami	2	
35	Tara Devi Basnet	Tara Devi Basnet	1	
36	Santa Bahadur/ Ratna Kumari Thami	Ratna Kumari Thami	2	
37	Yam Bahadur Thapa	Yam Bahadur Thapa	1	
38	Ganesh Bahadur Basnet	Ganesh Bahadur Basnet	1	
39	Padam Bahadur Karki	Padam Bahadur Karki	1	
40	Kumbha Thami	Kumbha Thami	2	
41	Chandra Bahadur Thapa	Chandra Bahadur Thapa	2	
42	Parbati Thapa	Parbati Thapa	1	
43	Bir Bahadur/ Sukha Maya Thami	Bir Bahadur Thami	1	
44	Kumar Thami	Kumar Thami	1	
45	Tirtha Bahadur Thapa	Tirtha Bahadur Thapa	1	
46	Naran Bahadur Adhikari	Naran Bahadur Adhikari	1	

HH	Official land owner	Household Head	Plot number	Remarks
47	Naina Shobha Basnet	Bhakta Bahadur Basnet	1	
48	Bhim Bahadur Thapa	Bhim Bahadur Thapa	3	
49	Shiva Bahadur Basnet	Shiva Bahadur Basnet	1	
50	Durga Bahadur Basnet	Durga Bahadur Basnet	1	
51	Bhim Kumari Thami	Bhim Kumari Thami	1	
52	Ganseh Bahadur Thapa	Ganseh Bahadur Thapa	1	
53	Kul Bahadur Thapa	Kul Bahadur Thapa	2	
54	Purush Bahadur Thami	Purush Bahadur Thami	4	
55	Lila Bahadur Thapa	Lila Bahadur Thapa	2	
56	Indra Bahadur Thapa	Indra Bahadur Thapa	1	
57	Ramila Basnet/ Padam Bahadur Basnet	Padam Bahadur Basnet	3	
58	Prithvi Bahadur Thapa	Prithvi Bahadur Thapa	1	
59	Karna Bir Thami	Karna Bir Thami	1	
60	Karna Bahadur Thapa	Karna Bahadur Thapa	1	
61	Man Bahadur Thapa	Man Bahadur Thapa	1	
62	Surya Bahadur Thami	Man Shobha Thami	2	Female Head
63	Griha Bahadur Thami	Griha Bahadur Thami	2	
64	Dhan Bahadur Thami	Dhan Bahadur Thami	2	
65	Chandra Bahadur Thami	Chandra Bahadur Thami	1	
66	Metar Thami	Metar Thami	1	
67	Sher Bahadur Khadka	Sher Bahadur Khadka	2	
68	Tilak Bahadur Khadka	Tilak Bahadur Khadka	1	
69	Mana maya Khadka	Mana maya Khadka	1	
70	Jhalak Bahadur Thami	Jhalak Bahadur Thami	1	
71	Hom Bahadur Thami	Hom Bahadur Thami	1	
72	Jukti Man Thami	Jukti Man Thami	5	
73	Khambe Thami	Khambe Thami	1	
74	Shakti Man Thami	Shakti Man Thami	2	
75	Kalak Bahadur Thami	Kalak Bahadur Thami	3	
76	Dhan Bahadur Thami	Dhan Bahadur Thami	1	
77	Ambar Bahadur Thami	Ambar Bahadur Thami	2	
78	Jas Man Thami	Jas Man Thami	1	
79	Man Bahadur Thami	Pampha Thami	2	Female Head
80	Nar Bahadur Thami	Nar Bahadur Thami	1	
81	Santa Maya Thami	Santa Maya Thami	1	Female Head
82	Ratna Kumar Thami	Ratna Kumar Thami	1	
83	Min Kumar Thami	Min Kumar Thami	1	
84	Purna Bahadur Thami	Purna Bahadur Thami	5	
85	Nara Maya Thami	Nara Maya Thami	2	Female Head
86	Krishna Maya Thami	Krishna Maya Thami	2	Female Head
87	Dal Bahadur Thami	Dal Bahadur Thami	2	
88	Lok Bir Thami	Lok Bir Thami	1	
89	Suk Bahadur Thami	Suk Bahadur Thami	2	
90	Suwane Thami	Suwane Thami	4	
91	Dila Bahadur Thami	Dila Bahadur Thami	2	
92	Hari Bahadur Thami	Hari Bahadur Thami	2	
93	Gokula Bahadur Thami	Gokula Bahadur Thami	1	

HH	Official land owner	Household Head	Plot number	Remarks
94	Gambhir Thami	Gambhir Thami	1	
95	Guman Singh Thami	Guman Singh Thami	2	
96	Ratna Bahadur Thami	Ratna Bahadur Thami	1	
97	Datte Thami	Datte Thami	1	
98	Nar Bahadur Thami	Nar Bahadur Thami	1	
99	Nahle Thami	Nahle Thami	1	
100	Suwash Thami	Suwash Thami	2	
101	Chamre Thami	Chamre Thami	1	
102	Bhubir Thami	Bhubir Thami	1	
103	Lakshya Ram Thami	Lakshya Ram Thami	1	
104	Bhakta Bahadur Thami	Bhakta Bahadur Thami	1	
105	Man Bahadur Thami	Man Bahadur Thami	1	
106	Jaya Bahadur Thami	Jaya Bahadur Thami	1	
107	Mani Raj Thami	Mani Raj Thami	1	
108	Jit Bahadur Thami ( Maiya Thami )	Jit Bahadur Thami ( Maiya Thami )	2	
109	Ganesh Bahadur Thami	Ganesh Bahadur Thami	1	
110	Krishna Bahadur Thami	Krishna Bahadur Thami	1	
111	Nara Bahadur Thami	Nara Bahadur Thami	1	
112	Gopal Thami	Gopal Thami	1	
113	Ganesh Bahadur Thami	Ganesh Bahadur Thami	1	
114	Bakhan Singh Thami	Bakhan Singh Thami	2	
115	Dal Bahadur Thami	Dal Bahadur Thami	3	
116	Karna Bir Thami	Karna Bir Thami	2	
117	Man Bahadur Thami / Ritthi Thami	Man Bahadur Thami	2	
118	Dan Bahadur Khatri	Dan Bahadur Khatri	1	
119	Krishna Bahadur Karki	Krishna Bahadur Karki	2	
120	Lalit Bahadur Karki	Lalit Bahadur Karki	2	
121	Nir Bahadur Karki	Nir Bahadur Karki	1	
122	Bhakta Bahadur Karki ( Yam Bahadur Karki )	Yam Bahadur Karki	1	
123	Uddhab Bahadur Karki	Uddhab Bahadur Karki	1	
124	Som Bahadur Karki	Som Bahadur Karki	1	
125	Khel Bahadur Karki	Khel Bahadur Karki	1	
126	Sare Thami	Sare Thami	1	
127	Shamsher Bahadur Basnet	Shamsher Bahadur Basnet	1	
128	Sete Thami	Sete Thami	3	
129	Bir Man Thami	Bir Man Thami	1	
130	Khadga Bahadur Thami	Khadga Bahadur Thami	2	
131	Devendra Thami	Devendra Thami	2	
132	Buddhi Man Thami	Buddhi Man Thami	1	
133	Man Bir Thami	Man Bir Thami	5	
134	Chini Bahadur Tahmi	Chini Bahadur Tahmi	1	
135	Chitra Bahadur Thami	Chitra Bahadur Thami	1	
136	Chandra Bir Thami	Chandra Bir Thami	2	
137	Bhadra Bahadur Thami	Bhadra Bahadur Thami	1	
138	Amrit Shobha Thami	Amrit Shobha Thami	1	Female Head
139	Bal Man Thami	Bal Man Thami	2	
140	Amrita Thami	Mangal Thami		

HH	Official land owner	Household Head	Plot number	Remarks
141	Man Bahadur Karki	Man Bahadur Karki	1	
142	Talak Bahadur Thami	Talak Bahadur Thami	1	
143	Man Bahadur Thami	Man Bahadur Thami	1	
144	Dhan Bahadur Thami ( Lok Man Thami )	Dhan Bahadur Thami	2	
145	Keshar Bahdur Karki	Keshar Bahdur Karki	1	
146	Pahal Man Thami	Pahal Man Thami	2	
147	Dhan Man Thami	Dhan Man Thami	1	
148	Purna Singh Thami / Bhakta Bdr Thami	Purna Singh Thami	2	
149	Janga Bir Thami	Janga Bir Thami	1	
150	Tika Ram Thami	Tika Ram Thami	2	
151	Purni Maya Thami	Purni Maya Thami	1	
152	Khel Bahadur Thami	Khel Bahadur Thami	1	
153	Khadga Bahadur Thami	Khadga Bahadur Thami	6	
154	Karna Bahadur Thami	Karna Bahadur Thami	1	
155	Lok Man Thami / Bimala thami	Lok Man Thami / Bimala thami	3	
156	Mana Maya Thami	Mana Maya Thami	2	Female Head
157	Rana Bahadur Thami	Rana Bahadur Thami	1	
158	Bala Bahadur Thami	Bala Bahadur Thami	1	
159	Bhim Bahadur Thami	Bhim Bahadur Thami	1	
160	Nara Bahdur Thami	Nara Bahdur Thami	1	
161	Daksya Kumar Thami	Daksya Kumar Thami	1	
162	Mani Ram Thami	Mani Ram Thami	2	
163	Dhan Bahadur Thami	Dhan Bahadur Thami	1	
164	Buddhi Man Thami	Buddhi Man Thami	1	
165	Dal Bahadur Thami	Dal Bahadur Thami	1	
166	Lachhuman Kami	Lachhuman Kami	2	
167	Rana Bir Kami	Rana Bir Kami	2	
168	Dal Bahadur Thami	Dal Bahadur Thami	1	
169	Lal Bir Thami	Lal Bir Thami	2	
170	Dal Bahadur Thami	Dal Bahadur Thami	2	
171	Nara Maya Thami	Nara Maya Thami	1	
			270	

# Poverty Level Analysis of APs

Appendix II

HH	Official land owner	Existin g area, sqm	Percent lost	Famil y size	Pre-Project							Post-Project					
					Total land holding, ha	Food Suffic iency	Agricultr al Income	Non- Agicultur al Income	Total Income	Per Capita Income	Pover ty Level	Total land holding , ha	Food Sufficenc y Month	Agricultr al Income	Total Income	Per Capita	Pover ty Level
1	Nir Bahadur Karki	70	0.31	5	2.26	8	3000	75000	78000	15600	1.53	2.25	7.98	2990.71	77990.71	15598.14	1.53
2	Sher Bhadur Basnet	380	2.55	11	1.49	8	15000	300000	315000	28636.364	2.80	1.45	7.80	14617.19	314617.19	28601.56	2.80
3	Krishna Bahadur Khadka	815	11.15	13	0.73	9	5000	160000	165000	12692.308	1.24	0.65	8.00	4442.54	164442.54	12649.43	1.24
4	Chakra Bahadur Basnet	770	1.48	15	5.20	6	30000	150000	180000	12000	1.17	5.12	5.91	29555.73	179555.73	11970.38	1.17
5	Durga Bahadur Shahi	395	2.29	4	1.73	12	18600	25000	43600	10900	1.07	1.69	11.73	18174.90	43174.90	10793.73	1.06
6	Tirtha Bahadur Thakuri	15	0.70	1	0.21	6	0	60000	60000	60000	5.87	0.21	5.96	0.00	60000.00	60000.00	5.87
7	Bir Bahadur Thakuri	125	4.08	10	0.31	8	6000	104000	110000	11000	1.08	0.29	7.67	5754.90	109754.90	10975.49	1.07
8	Kamal Bahadur Thakuri	60	1.02	8	0.59	6	10000	93000	103000	12875	1.26	0.58	5.94	9897.70	102897.70	12862.21	1.26
9	Rudra Bahdur Thakuri	560	3.31	10	1.69	6	0	120000	120000	12000	1.17	1.64	5.80	0.00	120000.00	12000.00	1.17
10	Chhtra Bahdur Shahi	230	1.98	7	1.16	8	7000	78000	85000	12142.857	1.19	1.14	7.84	6861.27	84861.27	12123.04	1.19
11	Padam Bahadur Shiwakoti	30	0.54	7	0.56	6	7000	67000	74000	10571.429	1.03	0.55	5.97	6962.19	73962.19	10566.03	1.03
12	Bam Bahadur Basnet	210	3.96	3	0.53	12	20000	12000	32000	10666.667	1.04	0.51	11.53	19208.44	31208.44	10402.81	1.02
13	Padam Bahadur Siwakoti	230	4.42	4	0.52	6	12000	30000	42000	10500	1.03	0.50	5.73	11469.54	41469.54	10367.38	1.01
14	Bhim Bahadur Karki	610	4.25	6	1.43	6	0	210000	210000	35000	3.43	1.37	5.74	0.00	210000.00	35000.00	3.43
15	Kalyani Thapa	260	6.18	7	0.42	4	0	72000	72000	10285.714	1.01	0.39	3.75	0.00	72000.00	10285.71	1.01
16	Dan Bahadur Basnet	595	5.14	8	1.16	6	50000	45000	95000	11875	1.16	1.10	5.69	47427.58	92427.58	11553.45	1.13
17	Durga Bahadur Thakuri	55	2.81	3	0.20	8	5000	50000	55000	18333.333	1.79	0.19	7.78	4859.69	54859.69	18286.56	1.79
18	Yam Bahadur Thkuri	185	3.24	5	0.57	6	0	65000	65000	13000	1.27	0.55	5.81	0.00	65000.00	13000.00	1.27
19	Ammar Bahadur Thakuri	195	10.48	5	0.19	6	0	65000	65000	13000	1.27	0.17	5.37	0.00	65000.00	13000.00	1.27
20	Shamsher Thakuri	30	1.63	6	0.18	6	0	62000	62000	10333.333	1.01	0.18	5.90	0.00	62000.00	10333.33	1.01
21	Chhatra Bahadur Thakuri	130	7.67	5	0.17	8	5000	100000	105000	21000	2.06	0.16	7.39	4616.52	104616.52	20923.30	2.05
22	Tulsi Ram Thakuri	10	0.32	7	0.31	3	15000	58000	73000	10428.571	1.02	0.31	2.99	14951.85	72951.85	10421.69	1.02
23	Bal Shobha Thami	80	1.37	7	0.58	6	33000	40000	73000	10428.571	1.02	0.57	5.92	32546.78	72546.78	10363.83	1.01
24	Hom Bahadur Karki	70	1.46	6	0.48	6	16900	50000	66900	11150	1.09	0.47	5.91	16652.77	66652.77	11108.79	1.09
25	Dil Bahadur Basnet	180	1.88	12	0.96	6	10000	123000	133000	11083.333	1.08	0.94	5.89	9812.40	132812.40	11067.70	1.08
26	Bhim Kumari Thapa	40	0.57	8	0.70	8	0	101000	101000	12625	1.24	0.70	7.95	0.00	101000.00	12625.00	1.24
27	Nara Bahadur Thapa	285	6.37	1	0.45	12	0	38000	38000	38000	3.72	0.42	11.24	0.00	38000.00	38000.00	3.72
28	Chandra Bahadur Thapa	255	2.81	4	0.91	9	3000	60000	63000	15750	1.54	0.88	8.75	2915.80	62915.80	15728.95	1.54
29	Surya Bahadur Thapa	100	5.12	4	0.20	6	2000	48000	50000	12500	1.22	0.19	5.69	1897.70	49897.70	12474.42	1.22
30	Ram Bahadur Thapa	30	0.75	7	0.40	8	20000	101500	121500	17357.143	1.70	0.39	7.94	19849.09	121349.09	17335.58	1.70
31	Bhim Bahadur Thapa	15	0.61	4	0.25	6	0	70000	70000	17500	1.71	0.24	5.96	0.00	70000.00	17500.00	1.71
32	Gokula Bahadur Thami	150	1.00	6	1.50	10	13000	60000	73000	12166.667	1.19	1.49	9.90	12870.13	72870.13	12145.02	1.19
33	Dil Bahadur Thapa	65	1.62	5	0.40	9	0	80000	80000	16000	1.57	0.40	8.85	0.00	80000.00	16000.00	1.57
34	Dambar Bahadur Thami	690	9.48	6	0.73	6	13000	50000	63000	10500	1.03	0.66	5.43	11767.86	61767.86	10294.64	1.01
35	Tara Devi Basnet	70	0.07	9	9.54	9	5000	90000	95000	10555.556	1.03	9.53	8.99	4996.33	94996.33	10555.15	1.03



HH	Official land owner	Existin g area, sqm	Percent lost	Famil y size	Pre-Project							Post-Project					
					Total land holding, ha	Food Suffic iency	Agricultr al Income	Non- Agicultur al Income	Total Income	Per Capita Income	Pover ty Level	Total land holding , ha	Food Sufficenc y Month	Agricultr al Income	Total Income	Per Capita	Povert y Level
36	Ratna Kumari Thami	315	1.72	4	1.83	6	5000	61500	66500	16625	1.63	1.80	5.90	4913.91	66413.91	16603.48	1.63
37	Yam Bahadur Thapa	70	1.71	5	0.41	6	30000	30000	60000	12000	1.17	0.40	5.90	29486.55	59486.55	11897.31	1.16
38	Ganesh Bahadur Basnet	16	4.85	3	0.03	4	0	60000	60000	20000	1.96	0.03	3.81	0.00	60000.00	20000.00	1.96
39	Padam Bahadur Karki	30	1.56	5	0.19	6	5000	70000	75000	15000	1.47	0.19	5.91	4922.08	74922.08	14984.42	1.47
40	Kumbha Thami	315	2.93	6	1.08	6	5000	80000	85000	14166.667	1.39	1.04	5.82	4853.49	84853.49	14142.25	1.38
41	Chandra Bahadur Thapa	180	2.18	4	0.82	4	4500	100000	104500	26125	2.56	0.81	3.91	4401.76	104401.76	26100.44	2.55
42	Parbati Thapa	105	3.25	6	0.32	8	0	90000	90000	15000	1.47	0.31	7.74	0.00	90000.00	15000.00	1.47
43	Bir Bahadur Thami	65	0.63	4	1.04	6	0	63000	63000	15750	1.54	1.03	5.96	0.00	63000.00	15750.00	1.54
44	Kumar Thami	15	0.04	7	3.62	12	23500	60000	83500	11928.571	1.17	3.62	12.00	23490.27	83490.27	11927.18	1.17
45	Tirtha Bahadur Thapa	5	0.14	4	0.35	6	4000	40000	44000	11000	1.08	0.35	5.99	3994.25	43994.25	10998.56	1.08
46	Naran Bahadur Adhikari	5	0.04	6	1.19	12	8000	96000	104000	17333.333	1.70	1.19	11.99	7996.63	103996.63	17332.77	1.70
47	Bhakta Bahadur Basnet	120	2.90	1	0.41	12	3000	9000	12000	12000	1.17	0.40	11.65	2913.15	11913.15	11913.15	1.17
48	Bhim Bahadur Thapa	145	2.42	7	0.60	6	0	80000	80000	11428.571	1.12	0.59	5.85	0.00	80000.00	11428.57	1.12
49	Shiva Bahadur Basnet	50	2.22	3	0.23	7	500	50000	50500	16833.333	1.65	0.22	6.84	488.91	50488.91	16829.64	1.65
50	Durga Bahadur Basnet	30	0.58	5	0.52	3	3000	50000	53000	10600	1.04	0.52	2.98	2982.70	52982.70	10596.54	1.04
51	Bhim Kumari Thami	55	0.18	7	3.03	12	3500	72000	75500	10785.714	1.06	3.02	11.98	3493.64	75493.64	10784.81	1.06
52	Ganseh Bahadur Thapa	375	1.92	6	1.95	12	5000	60000	65000	10833.333	1.06	1.91	11.77	4903.87	64903.87	10817.31	1.06
53	Kul Bahadur Thapa	440	3.14	8	1.40	12	2000	80000	82000	10250	1.00	1.36	11.62	1937.12	81937.12	10242.14	1.00
54	Purush Bahadur Thami	320	1.76	7	1.82	12	2000	79000	81000	11571.429	1.13	1.79	11.79	1964.81	80964.81	11566.40	1.13
55	Lila Bahadur Thapa	160	2.53	5	0.63	6	10000	45000	55000	11000	1.08	0.62	5.85	9747.43	54747.43	10949.49	1.07
56	Indra Bahadur Thapa	45	0.52	6	0.87	12	10000	80000	90000	15000	1.47	0.87	11.94	9948.48	89948.48	14991.41	1.47
57	Padam Bahadur Basnet	125	0.58	7	2.16	6	5000	80000	85000	12142.857	1.19	2.15	5.97	4971.04	84971.04	12138.72	1.19
58	Prithvi Bahadur Thapa	15	0.12	5	1.30	3	0	62000	62000	12400	1.21	1.29	3.00	0.00	62000.00	12400.00	1.21
59	Karna Bir Thami	10	0.06	10	1.73	12	30100	74000	104100	10410	1.02	1.73	11.99	30082.57	104082.57	10408.26	1.02
60	Karna Bahadur Thapa	55	0.98	4	0.56	6	15000	155000	170000	42500	4.16	0.55	5.94	14852.42	169852.42	42463.10	4.16
61	Man Bahadur Thapa	40	1.05	7	0.38	12	15000	60000	75000	10714.286	1.05	0.38	11.87	14842.31	74842.31	10691.76	1.05
62	Man Shobha Thami	335	4.28	10	0.78	12	20000	90000	110000	11000	1.08	0.75	11.49	19144.86	109144.86	10914.49	1.07
63	Griha Bahadur Thami	45	0.50	6	0.90	6	0	250000	250000	41666.667	4.08	0.89	5.97	0.00	250000.00	41666.67	4.08
64	Dhan Bahadur Thami	260	2.70	4	0.96	7	0	41000	41000	10250	1.00	0.94	6.81	0.00	41000.00	10250.00	1.00
65	Chandra Bahadur Thami	50	0.54	7	0.92	12	0	90000	90000	12857.143	1.26	0.92	11.93	0.00	90000.00	12857.14	1.26
66	Metar Thami	210	2.18	7	0.97	6	0	75000	75000	10714.286	1.05	0.94	5.87	0.00	75000.00	10714.29	1.05
67	Sher Bahadur Khadka	120	4.86	5	0.25	4	0	61000	61000	12200	1.19	0.24	3.81	0.00	61000.00	12200.00	1.19
68	Tilak Bahadur Khadka	225	2.33	2	0.97	3	0	20700	20700	10350	1.01	0.94	2.93	0.00	20700.00	10350.00	1.01
69	Mana maya Khadka	90	3.07	6	0.29	7	5000	63000	68000	11333.333	1.11	0.28	6.79	4846.68	67846.68	11307.78	1.11
70	Jhalak Bahadur Thami	40	0.82	6	0.49	6	5000	60000	65000	10833.333	1.06	0.49	5.95	4959.10	64959.10	10826.52	1.06
71	Hom Bahadur Thami	175	3.20	5	0.55	6	0	55000	55000	11000	1.08	0.53	5.81	0.00	55000.00	11000.00	1.08
72	Jukti Man Thami	779	8.38	3	0.93	6	2000	30000	32000	10666.667	1.04	0.85	5.50	1832.38	31832.38	10610.79	1.04
73	Khambe Thami	63	0.45	8	1.41	6	2000	84000	86000	10750	1.05	1.41	5.97	1991.09	85991.09	10748.89	1.05

HH	Official land owner	Existin g area, sqm	Percent lost	Famil y size	Pre-Project							Post-Project					
					Total land holding, ha	Food Suffic iency	Agricultr al Income	Non- Agicultur al Income	Total Income	Per Capita Income	Pover ty Level	Total land holding , ha	Food Sufficenc y Month	Agricultr al Income	Total Income	Per Capita	Povert y Level
74	Shakti Man Thami	52	1.35	5	0.39	6	5000	48000	53000	10600	1.04	0.38	5.92	4932.64	52932.64	10586.53	1.04
75	Kalak Bahadur Thami	415	13.01	5	0.32	3	3000	50000	53000	10600	1.04	0.28	2.61	2609.72	52609.72	10521.94	1.03
76	Dhan Bahadur Thami	32	0.27	7	1.18	6	0	72000	72000	10285.714	1.01	1.18	5.98	0.00	72000.00	10285.71	1.01
77	Ambar Bahadur Thami	255	2.20	6	1.16	6	3000	60000	63000	10500	1.03	1.14	5.87	2934.14	62934.14	10489.02	1.03
78	Jas Man Thami	50	0.94	5	0.53	6	5000	48000	53000	10600	1.04	0.53	5.94	4953.23	52953.23	10590.65	1.04
79	Pampha Thami	74	1.49	1	0.50	8	0	22000	22000	22000	2.15	0.49	7.88	0.00	22000.00	22000.00	2.15
80	Nar Bahadur Thami	32	1.21	3	0.26	5	3000	30000	33000	11000	1.08	0.26	4.94	2963.64	32963.64	10987.88	1.08
81	Santa Maya Thami	50	0.99	3	0.50	6	0	31000	31000	10333.333	1.01	0.50	5.94	0.00	31000.00	10333.33	1.01
82	Ratna Kumar Thami	222	3.97	6	0.56	4	0	65000	65000	10833.333	1.06	0.54	3.84	0.00	65000.00	10833.33	1.06
83	Min Kumar Thami	318	8.68	6	0.37	6	12000	52000	64000	10666.667	1.04	0.33	5.48	10958.80	62958.80	10493.13	1.03
84	Purna Bahadur Thami	394	4.30	7	0.92	6	36000	44000	80000	11428.571	1.12	0.88	5.74	34453.22	78453.22	11207.60	1.10
85	Nara Maya Thami	228	6.57	6	0.35	4	25000	38000	63000	10500	1.03	0.32	3.74	23357.35	61357.35	10226.22	1.00
86	Krishna Maya Thami	127	1.12	5	1.14	6	0	100000	100000	20000	1.96	1.12	5.93	0.00	100000.00	20000.00	1.96
87	Dal Bahadur Thami	43	0.49	6	0.88	6	7000	10000	17000	2833.3333	0.28	0.87	5.97	6965.74	16965.74	2827.62	0.28
88	Lok Bir Thami	14	0.13	9	1.09	12	0	108500	108500	12055.556	1.18	1.09	11.98	0.00	108500.00	12055.56	1.18
89	Suk Bahadur Thami	25	0.64	8	0.39	12	1000	120000	121000	15125	1.48	0.39	11.92	993.65	120993.65	15124.21	1.48
90	Suwane Thami	419	3.18	6	1.32	2	2500	43000	45500	7583.3333	0.74	1.28	1.94	2420.55	45420.55	7570.09	0.74
91	Dila Bahadur Thami	250	1.40	9	1.78	10	1000	140000	141000	15666.667	1.53	1.76	9.86	985.98	140985.98	15665.11	1.53
92	Hari Bahadur Thami	115	0.66	5	1.75	12	0	56000	56000	11200	1.10	1.74	11.92	0.00	56000.00	11200.00	1.10
93	Gokula Bahadur Thami	8	0.26	2	0.31	12	1500	19000	20500	10250	1.00	0.31	11.97	1496.17	20496.17	10248.09	1.00
94	Gambhir Thami	35	0.29	8	1.20	10	5000	78000	83000	10375	1.02	1.20	9.97	4985.43	82985.43	10373.18	1.02
95	Guman Singh Thami	42	0.46	1	0.92	12	0	12000	12000	12000	1.17	0.92	11.95	0.00	12000.00	12000.00	1.17
96	Ratna Bahadur Thami	15	0.34	13	0.44	6	0	480000	480000	36923.077	3.61	0.44	5.98	0.00	480000.00	36923.08	3.61
97	Datte Thami	20	0.25	2	0.80	6	0	22000	22000	11000	1.08	0.79	5.98	0.00	22000.00	11000.00	1.08
98	Nar Bahadur Thami	15	0.11	10	1.31	6	5000	98000	103000	10300	1.01	1.30	5.99	4994.25	102994.25	10299.43	1.01
99	Nahle Thami	45	0.73	2	0.61	6	6000	17000	23000	11500	1.13	0.61	5.96	5956.06	22956.06	11478.03	1.12
100	Suwash Thami	72	1.43	2	0.50	12	1000	40000	41000	20500	2.01	0.50	11.83	985.69	40985.69	20492.84	2.01
101	Chamre Thami	35	1.01	4	0.35	6	0	50000	50000	12500	1.22	0.34	5.94	0.00	50000.00	12500.00	1.22
102	Bhubir Thami	16	0.30	5	0.54	11	0	51900	51900	10380	1.02	0.53	10.97	0.00	51900.00	10380.00	1.02
103	Lakshya Ram Thami	50	0.39	8	1.27	12	0	85000	85000	10625	1.04	1.26	11.95	0.00	85000.00	10625.00	1.04
104	Bhakta Bahadur Thami	25	0.23	6	1.07	6	0	70000	70000	11666.667	1.14	1.07	5.99	0.00	70000.00	11666.67	1.14
105	Man Bahadur Thami	112	0.77	9	1.46	12	2000	90000	92000	10222.222	1.00	1.45	11.91	1984.68	91984.68	10220.52	1.00
106	Jaya Bahadur Thami	95	0.51	8	1.85	12	4500	80000	84500	10562.5	1.03	1.85	11.94	4476.95	84476.95	10559.62	1.03
107	Mani Raj Thami	63	0.47	17	1.35	6	0	180000	180000	10588.235	1.04	1.34	5.97	0.00	180000.00	10588.24	1.04
108	Jit Bahadur Thami ( Maiya Thami )	151	0.75	5	2.01	3	10000	65000	75000	15000	1.47	1.99	2.98	9924.73	74924.73	14984.95	1.47
109	Ganesh Bahadur Thami	25	0.23	9	1.07	12	6000	87000	93000	10333.333	1.01	1.06	11.97	5985.94	92985.94	10331.77	1.01
110	Krishna Bahadur Thami	76	0.68	3	1.12	12	6000	25400	31400	10466.667	1.02	1.11	11.92	5959.16	31359.16	10453.05	1.02
111	Nara Bahadur Thami	152	4.00	6	0.38	6	14000	48000	62000	10333.333	1.01	0.36	5.76	13439.85	61439.85	10239.98	1.00

HH	Official land owner	Existin g area, sqm	Percent lost	Famil y size	Pre-Project							Post-Project					
					Total land holding, ha	Food Suffic iency	Agricultr al Income	Non- Agicultur al Income	Total Income	Per Capita Income	Pover ty Level	Total land holding , ha	Food Sufficenc y Month	Agricultr al Income	Total Income	Per Capita	Pover ty Level
112	Gopal Thami	40	1.32	5	0.30	12	0	55000	55000	11000	1.08	0.30	11.84	0.00	55000.00	11000.00	1.08
113	Ganesh Bahadur Thami	7	0.19	7	0.38	6	20000	60000	80000	11428.571	1.12	0.38	5.99	19962.99	79962.99	11423.28	1.12
114	Bakhan Singh Thami	240	2.61	4	0.92	6	0	51000	51000	12750	1.25	0.90	5.84	0.00	51000.00	12750.00	1.25
115	Dal Bahadur Thami	49	0.55	9	0.89	6	15000	80000	95000	10555.556	1.03	0.89	5.97	14917.74	94917.74	10546.42	1.03
116	Karna Bir Thami	82	0.81	3	1.01	6	0	40000	40000	13333.333	1.31	1.00	5.95	0.00	40000.00	13333.33	1.31
117	Man Bahadur Thami	512	5.56	10	0.92	6	18000	86000	104000	10400	1.02	0.87	5.67	16998.80	102998.80	10299.88	1.01
118	Dan Bahadur Khatri	15	0.61	6	0.25	6	0	98000	98000	16333.333	1.60	0.25	5.96	0.00	98000.00	16333.33	1.60
119	Krishna Bahadur Karki	79	0.92	6	0.86	6	15000	48000	63000	10500	1.03	0.85	5.94	14862.21	62862.21	10477.03	1.03
120	Lalit Bahadur Karki	166	1.12	11	1.48	4	12000	102000	114000	10363.636	1.01	1.46	3.96	11865.04	113865.04	10351.37	1.01
121	Nir Bahadur Karki	8	0.07	10	1.22	6	15000	90000	105000	10500	1.03	1.22	6.00	14990.18	104990.18	10499.02	1.03
122	Yam Bahadur Karki	250	1.28	9	1.95	6	8575	90000	98575	10952.778	1.07	1.92	5.92	8464.89	98464.89	10940.54	1.07
123	Uddhab Bahadur Karki	108	1.70	6	0.64	6	0	120000	120000	20000	1.96	0.63	5.90	0.00	120000.00	20000.00	1.96
124	Som Bahadur Karki	140	1.49	8	0.94	6	0	420000	420000	52500	5.14	0.93	5.91	0.00	420000.00	52500.00	5.14
125	Khel Bahadur Karki	65	1.19	6	0.55	6	5000	7000	12000	2000	0.20	0.54	5.93	4940.64	11940.64	1990.11	0.19
126	Sare Thami	115	2.41	7	0.48	6	0	240000	240000	34285.714	3.36	0.47	5.86	0.00	240000.00	34285.71	3.36
127	Shamsher Bahadur Basnet	785	3.59	12	2.18	6	5000	120000	125000	10416.667	1.02	2.11	5.78	4820.33	124820.33	10401.69	1.02
128	Sete Thami	264	3.38	9	0.78	6	5000	90000	95000	10555.556	1.03	0.76	5.80	4831.09	94831.09	10536.79	1.03
129	Bir Man Thami	16	0.30	2	0.53	12	0	22000	22000	11000	1.08	0.53	11.96	0.00	22000.00	11000.00	1.08
130	Khadga Bahadur Thami	103	0.70	7	1.47	6	15000	58000	73000	10428.571	1.02	1.46	5.96	14894.98	72894.98	10413.57	1.02
131	Devendra Thami	370	2.81	7	1.32	6	0	72000	72000	10285.714	1.01	1.28	5.83	0.00	72000.00	10285.71	1.01
132	Buddhi Man Thami	16	0.23	10	0.71	6	0	112000	112000	11200	1.10	0.71	5.99	0.00	112000.00	11200.00	1.10
133	Man Bir Thami	315	3.80	6	0.83	10	40000	31000	71000	11833.333	1.16	0.80	9.62	38480.10	69480.10	11580.02	1.13
134	Chini Bahadur Tahmi	10	0.06	7	1.61	6	2500	75000	77500	11071.429	1.08	1.61	6.00	2498.45	77498.45	11071.21	1.08
135	Chitra Bahadur Thami	200	3.40	7	0.59	10	4000	154950	158950	22707.143	2.22	0.57	9.66	3863.83	158813.83	22687.69	2.22
136	Chandra Bir Thami	32	0.17	8	1.91	10	8000	650000	658000	82250	8.05	1.91	9.98	7986.60	657986.60	82248.33	8.05
137	Bhadra Bahadur Thami	26	0.28	2	0.93	12	0	22000	22000	11000	1.08	0.92	11.97	0.00	22000.00	11000.00	1.08
138	Amrit Shobha Thami	80	2.30	1	0.35	10	4000	7000	11000	11000	1.08	0.34	9.77	3907.91	10907.91	10907.91	1.07
139	Bal Man Thami	85	0.43	9	1.99	6	1000	95000	96000	10666.667	1.04	1.98	5.97	995.73	95995.73	10666.19	1.04
140	Mangal Thami	250	4.18	9	0.60	12	2500	90000	92500	10277.778	1.01	0.57	11.50	2395.48	92395.48	10266.16	1.00
141	Man Bahadur Karki	15	2.10	4	0.07	4	0	65000	65000	16250	1.59	0.07	3.92	0.00	65000.00	16250.00	1.59
142	Talak Bahadur Thami	8	0.11	7	0.71	6	12000	60000	72000	10285.714	1.01	0.71	5.99	11986.51	71986.51	10283.79	1.01
143	Man Bahadur Thami	254	3.26	6	0.78	6	14000	55000	69000	11500	1.13	0.75	5.80	13543.81	68543.81	11423.97	1.12
144	Dhan Bahadur Thami	63	1.18	4	0.53	6	3000	50000	53000	13250	1.30	0.53	5.93	2964.64	52964.64	13241.16	1.30
145	Keshar Bahdur Karki	80	13.45	1	0.06	4	0	50000	50000	50000	4.89	0.05	3.46	0.00	50000.00	50000.00	4.89
146	Pahal Man Thami	100	0.81	6	1.23	6	0	63000	63000	10500	1.03	1.22	5.95	0.00	63000.00	10500.00	1.03
147	Dhan Man Thami	30	0.62	7	0.48	6	0	72000	72000	10285.714	1.01	0.48	5.96	0.00	72000.00	10285.71	1.01
148	Purna Singh Thami	225	3.49	9	0.65	6	5000	95000	100000	11111.111	1.09	0.62	5.79	4825.58	99825.58	11091.73	1.09
149	Janga Bir Thami	538	2.57	6	2.09	4	12000	50000	62000	10333.333	1.01	2.04	3.90	11691.40	61691.40	10281.90	1.01

HH	Official land owner	Existin g area, sqm	Percent lost	Famil y size	Pre-Project							Post-Project					
					Total land holding, ha	Food Suffic iency	Agricultr al Income	Non- Agircultur al Income	Total Income	Per Capita Income	Pover ty Level	Total land holding , ha	Food Sufficenc y Month	Agriculutr al Income	Total Income	Per Capita	Povert y Level
150	Tika Ram Thami	291	8.94	5	0.33	6	10000	56000	66000	13200	1.29	0.30	5.46	9105.99	65105.99	13021.20	1.27
151	Purni Maya Thami	70	0.56	4	1.24	6	6000	44000	50000	12500	1.22	1.24	5.97	5966.23	49966.23	12491.56	1.22
152	Khel Bahadur Thami	20	0.47	1	0.42	12	16500	12000	28500	28500	2.79	0.42	11.94	16422.26	28422.26	28422.26	2.78
153	Khadga Bahadur Thami	333	1.83	2	1.82	10	5000	16000	21000	10500	1.03	1.78	9.82	4908.26	20908.26	10454.13	1.02
154	Karna Bahadur Thami	62	0.38	6	1.64	6	12000	50000	62000	10333.333	1.01	1.63	5.98	11954.58	61954.58	10325.76	1.01
155	Lok Man Thami / Bimala thami	190	6.09	6	0.31	6	10000	52000	62000	10333.333	1.01	0.29	5.63	9391.03	61391.03	10231.84	1.00
156	Mana Maya Thami	170	4.18	5	0.41	6	10000	45000	55000	11000	1.08	0.39	5.75	9581.80	54581.80	10916.36	1.07
157	Rana Bahadur Thami	57	0.58	5	0.98	6	10000	55000	65000	13000	1.27	0.97	5.97	9941.81	64941.81	12988.36	1.27
158	Bala Bahadur Thami	80	0.44	10	1.81	6	12000	92000	104000	10400	1.02	1.81	5.97	11947.06	103947.06	10394.71	1.02
159	Bhim Bahadur Thami	95	1.58	10	0.60	6	10000	97000	107000	10700	1.05	0.59	5.91	9842.45	106842.45	10684.25	1.05
160	Nara Bahdur Thami	10	0.12	8	0.81	4	10000	75000	85000	10625	1.04	0.81	4.00	9987.65	84987.65	10623.46	1.04
161	Daksya Kumar Thami	12	0.23	6	0.52	8	10000	56000	66000	11000	1.08	0.51	7.98	9976.74	65976.74	10996.12	1.08
162	Mani Ram Thami	852	6.73	5	1.27	6	6000	61400	67400	13480	1.32	1.18	5.60	5596.21	66996.21	13399.24	1.31
163	Dhan Bahadur Thami	35	0.46	5	0.77	4	12000	40000	52000	10400	1.02	0.76	3.98	11945.17	51945.17	10389.03	1.02
164	Buddhi Man Thami	35	0.28	5	1.24	3	10000	62000	72000	14400	1.41	1.24	2.99	9971.79	71971.79	14394.36	1.41
165	Dal Bahadur Thami	15	0.23	5	0.67	6	15000	40000	55000	11000	1.08	0.67	5.99	14966.24	54966.24	10993.25	1.08
166	Lachhuman Kami	95	9.90	8	0.10	3	10000	76000	86000	10750	1.05	0.09	2.70	9010.42	85010.42	10626.30	1.04
167	Rana Bir Kami	136	1.46	11	0.93	4	10000	120000	130000	11818.182	1.16	0.92	3.94	9854.08	129854.08	11804.92	1.16
168	Dal Bahadur Thami	25	0.28	8	0.88	6	15000	72000	87000	10875	1.06	0.88	5.98	14957.48	86957.48	10869.69	1.06
169	Lal Bir Thami	225	3.95	7	0.57	10	10000	63000	73000	10428.571	1.02	0.55	9.61	9605.26	72605.26	10372.18	1.02
170	Dal Bahadur Thami	60	3.13	9	0.19	4	16000	80000	96000	10666.667	1.04	0.19	3.88	15500.00	95500.00	10611.11	1.04
171	Nara Maya Thami	35	0.89	3	0.40	8	1500	60000	61500	20500	2.01	0.39	7.93	1486.72	61486.72	20495.57	2.01
	Total	26299		1055	163.58	1235	1180675	13424850	14605525			160.95	1209.924	1152387	14577237		
	Average	153.80		6.17	0.96	7.22	6904.53	78507.89	85412.43			0.94	7.08	6739.10	85247.00		

# Cost Estimations

Appendix III

Cost Estimation of Compensatory Land Plots

HH	Land Owner	Address	Sheet	Plot	New Cut Area (sqm)	Bari	Pakho	Cost	Remarks
8	Dal Bdr Thami	Lapilang 5	158/0969	1238	24	25000		1179.38	Below Poverty
8	Dal Bdr Thami	Lapiland 6	158/0969	1590	19		15000	560.21	Below Poverty
76	Suwane Thami	Lapiland 6	158/0969	1586	39		15000	1149.90	Below Poverty
76	Suwane Thami	Lapiland 5	158/0969	500	300		15000	8845.38	Below Poverty
76	Suwane Thami	Lapiland 5	158/0969	502	50		15000	1474.23	Below Poverty
76	Suwane Thami	Lapiland 5	158/0969	1239	30	25000		1474.23	Below Poverty
110	Khel Bdr Karki	Lapiland 6	158/0969	1660	65	40000		5110.67	Below Poverty, Owner Blind
					527			19794.00	

Cost Calculation of Fruits and Bamboos

HH	Name of tree owner	Address	Chainage	Species	Number of trees	District Rate ( Rs)	Total (Rs)	Remarks
9	Rudra Bdr. Thakuri	Lapilang- 9, Patagau	2+677	Kafal	1	2000	2000	
9	Rudra Bdr. Thakuri	Lapilang- 9, Patagau	2+678	Kafal	1	2000	2000	
9	Rudra Bdr. Thakuri	Lapilang- 9, Patagau	2+680	Kafal	1	500	500	
14	Bhim Bahadur Karki	Lapilang- 9, Patagau	3+580	Bamboo	25	50	1250	
30	Ganga Maya Thapa	Lapiling-, Leptung	4+218	Lapshi	1	2000	2000	
77	Amar Bdr Thami	Lapilang - 7	6+120	Bamboo	35	50	1750	
122	Lalit Bdr Karki	Lapilang 5	7+310	Bamboo	30	50	1500	
122	Bhakta Bdr Karki	Lapilang5	7+463	Bamboo	30	50	1500	
167	Rana Bir BK	Lapilang 5	9+295	Bamboo	50	50	2500	
							<b>15000</b>	

## Tree Cost Calculation of CFUG

SN	Name of CFUG	Chainage	Species	No. of trees	Girth, cm	Height, m	Man days	Harvesting Cost	Total Harvesting Cost	Volume, m3	Distance (m)	MDs/cum	MDs/ Tree	District Rate	Volume Cost	Transportation Cost	Total Cost
1	Janaekata CFUG	0+450	Salla	1	99	13	1.56	319.8	319.8	0.398648396	600	5.22	2.0809446	205	426.5936488	426.5936488	746.39
2	Janaekata CFUG	0+460	Salla	1	114	12	1.56	319.8	319.8	0.489918375	600	5.22	2.5573739	205	524.2616531	524.2616531	844.06
3	Janaekata CFUG	0+470	Salla	1	38	4	0.39	79.95	79.95	0.018145125	600	5.22	0.0947176	205	19.41709826	19.41709826	99.37
4	Janaekata CFUG	0+475	Salla	1	76	10	0.52	106.6	106.6	0.18145125	600	5.22	0.9471755	205	194.1709826	194.1709826	300.77
5	Janaekata CFUG	0+480	Salla	1	74	10	0.52	106.6	106.6	0.169556113	600	5.22	0.8850829	205	181.441996	181.441996	288.04
6	Janaekata CFUG	0+510	Salla	1	76	12	0.52	106.6	106.6	0.2177415	600	5.22	1.1366106	205	233.0051792	233.0051792	339.61
7	Janaekata CFUG	0+525	Salla	1	89	11	0.52	106.6	106.6	0.271672844	600	5.22	1.4181322	205	290.7171101	290.7171101	397.32
8	Janaekata CFUG	0+542	Salla	1	51	9	0.39	79.95	79.95	0.0725805	600	5.22	0.3788702	205	77.66839305	77.66839305	157.62
9	Janaekata CFUG	0+575	Salla	1	69	8	0.52	106.6	106.6	0.11758041	600	5.22	0.6137697	205	125.8227967	125.8227967	232.42
10	Janaekata CFUG	0+580	Salla	1	51	8	0.39	79.95	79.95	0.064516	600	5.22	0.3367735	205	69.0385716	69.0385716	148.99
11	Janaekata CFUG	0+585	Salla	1	46	6	0.39	79.95	79.95	0.03919347	600	5.22	0.2045899	205	41.94093225	41.94093225	121.89
12	Janaekata CFUG	0+ 580	Salla	1	48	7	0.39	79.95	79.95	0.050947479	600	5.22	0.2659458	205	54.51889701	54.51889701	134.47
13	Janaekata CFUG	0+600	Salla	1	53	9	0.39	79.95	79.95	0.080020001	600	5.22	0.4177044	205	85.62940334	85.62940334	165.58
14	Janaekata CFUG	0+601	Salla	1	48	8	0.39	79.95	79.95	0.05822569	600	5.22	0.3039381	205	62.30731087	62.30731087	142.26
15	Janaekata CFUG	0+602	Salla	1	46	8	0.39	79.95	79.95	0.05225796	600	5.22	0.2727866	205	55.921243	55.921243	135.87
16	Janaekata CFUG	0+622	Salla	1	76	10	0.52	106.6	106.6	0.18145125	600	5.22	0.9471755	205	194.1709826	194.1709826	300.77
17	Janaekata CFUG	0+625	Salla	1	86	13	0.52	106.6	106.6	0.302983265	600	5.22	1.5815726	205	324.2223919	324.2223919	430.82
18	Janaekata CFUG	0+632	Salla	1	46	5	0.39	79.95	79.95	0.032661225	600	5.22	0.1704916	205	34.95077687	34.95077687	114.90
19	Janaekata CFUG	0+675	Salla	1	46	5	0.39	79.95	79.95	0.032661225	600	5.22	0.1704916	205	34.95077687	34.95077687	114.90
20	Janaekata CFUG	0+692	Salla	1	74	15	0.52	106.6	106.6	0.254334169	600	5.22	1.3276244	205	272.162994	272.162994	378.76
21	Janaekata CFUG	0+754	Salla	1	51	8	0.39	79.95	79.95	0.064516	600	5.22	0.3367735	205	69.0385716	69.0385716	148.99
22	Janaekata CFUG	0+750	Salla	1	76	14	0.52	106.6	106.6	0.25403175	600	5.22	1.3260457	205	271.8393757	271.8393757	378.44
23	Janaekata CFUG	0+760	Salla	1	53	6	0.39	79.95	79.95	0.053346668	600	5.22	0.2784696	205	57.08626889	57.08626889	137.04
24	Janaekata CFUG	0+765	Salla	1	48	3	0.39	79.95	79.95	0.021834634	600	5.22	0.1139768	205	23.36524158	23.36524158	103.32
25	Janaekata CFUG	0+814	Salla	1	66	6	0.52	106.6	106.6	0.08177403	600	5.22	0.4268604	205	87.5063895	87.5063895	194.11
26	Janaekata CFUG	0+815	Salla	1	71	9	0.52	106.6	106.6	0.14225778	600	5.22	0.7425856	205	152.2300504	152.2300504	258.83
27	Janaekata CFUG	0+850	Salla	1	94	17	1.56	319.8	319.8	0.469212771	600	5.22	2.4492907	205	502.1045865	502.1045865	821.90
28	Janaekata CFUG	0+855	Salla	1	66	8	0.52	106.6	106.6	0.10903204	600	5.22	0.5691472	205	116.675186	116.675186	223.28
29	Janaekata CFUG	0+860	Salla	1	79	15	0.52	106.6	106.6	0.290624419	600	5.22	1.5170595	205	310.9971905	310.9971905	417.60
30	Janaekata CFUG	0+860	Salla	1	66	16	0.52	106.6	106.6	0.21806408	600	5.22	1.1382945	205	233.350372	233.350372	339.95
31	Janaekata CFUG	0+865	Salla	1	51	11	0.39	79.95	79.95	0.0887095	600	5.22	0.4630636	205	94.92803595	94.92803595	174.88
4	Janaekata CFUG	0+965	Salla	1	51	4	0.39	79.95	79.95	0.032258	600	5.22	0.1683868	205	34.5192858	34.5192858	114.47
5	Janaekata CFUG	0+962	Salla	1	56	4	0.39	79.95	79.95	0.03903218	600	5.22	0.203748	205	41.76833582	41.76833582	121.72
32	Janaekata CFUG	1+090	Salla	3	37	3	0.39	79.95	239.85	0.012834375	600	5.22	0.0669954	205	13.73406469	41.20219406	281.05
33	Janaekata CFUG		Salla	6	41	4	0.39	79.95	479.7	0.02064512	600	5.22	0.1077675	205	22.09234291	132.5540575	612.25
34	Janaekata CFUG	1+175	Salla	1	69	6.5	0.52	106.6	106.6	0.095534083	600	5.22	0.4986879	205	102.2310224	102.2310224	208.83
35	Janaekata CFUG	1+180	Salla	1	56	6	0.39	79.95	79.95	0.05854827	600	5.22	0.305622	205	62.65250373	62.65250373	142.60
36	Janaekata CFUG	1+190	Salla	1	89	12	0.52	106.6	106.6	0.296370375	600	5.22	1.5470534	205	317.1459383	317.1459383	423.75
37	Janaekata CFUG	1+ 275	Salla	6	28	2	0.13	26.65	159.9	0.004879023	600	5.22	0.0254685	205	5.221041977	31.32625186	191.23
38	Janaekata CFUG	1+288	Salla	2	36	3	0.39	79.95	159.9	0.011854815	600	5.22	0.0618821	205	12.68583753	25.37167506	185.27
39	Janaekata CFUG	1+288	Salla	1	51	5	0.39	79.95	79.95	0.0403225	600	5.22	0.2104835	205	43.14910725	43.14910725	123.10
40	Janaekata CFUG	1+295	Salla	3	56	5.5	0.39	79.95	239.85	0.053669248	600	5.22	0.2801535	205	57.43146175	172.2943852	412.14
41	Janaekata CFUG	1+360	Salla	1	46	5	0.39	79.95	79.95	0.032661225	600	5.22	0.1704916	205	34.95077687	34.95077687	114.90
42	Janaekata CFUG	1+522	Salla	1	114	13	1.56	319.8	319.8	0.530744906	600	5.22	2.7704884	205	567.9501242	567.9501242	887.75
43	Janaekata CFUG	1+522	Salla	1	51	5	0.39	79.95	79.95	0.0403225	600	5.22	0.2104835	205	43.14910725	43.14910725	123.10
44	Janaekata CFUG	1+526	Chilaune	1	51	5	0.39	79.95	79.95	0.0403225	600	5.22	0.2104835	205	43.14910725	43.14910725	123.10



SN	Name of CFUG	Chainage	Species	No. of trees	Girth, cm	Height, m	Man days	Harvesting Cost	Total Harvesting Cost	Volume, m3	Distance (m)	MDs/cum	MDs/ Tree	District Rate	Volume Cost	Transportation Cost	Total Cost
45	Janaekata CFUG	1+565	Salla	5	56	9	0.39	79.95	399.75	0.087822405	600	5.22	0.458433	205	93.97875559	469.893778	869.64
46	Janaekata CFUG	1+581	Salla	1	81	7	0.52	106.6	106.6	0.14451584	600	5.22	0.7543727	205	154.6464004	154.6464004	261.25
47	Janaekata CFUG	1+382	Salla	2	64	7.5	0.52	106.6	213.2	0.094505859	600	5.22	0.4933206	205	101.1307201	202.2614402	415.46
48	Janaekata CFUG	1+600	Salla	1	79	9	0.52	106.6	106.6	0.174374651	600	5.22	0.9102357	205	186.5983143	186.5983143	293.20
49	Janaekata CFUG	1+595	Salla	2	46	7	0.39	79.95	159.9	0.045725715	600	5.22	0.2386882	205	48.93108762	97.86217524	257.76
50	Janaekata CFUG	1+595	Salla	1	56	7.5	0.39	79.95	79.95	0.073185338	600	5.22	0.3820275	205	78.31562966	78.31562966	158.27
51	Janaekata CFUG	1+707	Salla	1	84	16	0.52	106.6	106.6	0.35128962	600	5.22	1.8337318	205	375.9150224	375.9150224	482.52
52	Janaekata CFUG	1+709	Salla	1	53	7	0.39	79.95	79.95	0.062237779	600	5.22	0.3248812	205	66.60064704	66.60064704	146.55
53	Janaekata CFUG	1+715	Salla	1	86	15	0.52	106.6	106.6	0.349596075	600	5.22	1.8248915	205	374.1027599	374.1027599	480.70
54	Janaekata CFUG	1+725	Salla	1	48	5	0.39	79.95	79.95	0.036391056	600	5.22	0.1899613	205	38.94206929	38.94206929	118.89
55	Janaekata CFUG	1+740	Salla	1	74	10.5	0.52	106.6	106.6	0.178033918	600	5.22	0.9293371	205	190.5140958	190.5140958	297.11
56	Janaekata CFUG	1+784	Salla	1	102	15	1.56	319.8	319.8	0.48387	600	5.22	2.5258014	205	517.789287	517.789287	837.59
57	Janaekata CFUG	1+790	Salla	1	91	15	1.56	319.8	319.8	0.3919347	600	5.22	2.0458991	205	419.4093225	419.4093225	739.21
58	Janaekata CFUG	1+800	Salla	1	84	14	0.52	106.6	106.6	0.307378418	600	5.22	1.6045153	205	328.9256446	328.9256446	435.53
59	Janaekata CFUG	1+902	Salla	3	41	3	0.39	79.95	239.85	0.01548384	600	5.22	0.0808256	205	16.56925718	49.70777155	289.56
60	Janaekata CFUG	1+945	Salla	1	102	18	1.56	319.8	319.8	0.580644	600	5.22	3.0309617	205	621.3471444	621.3471444	941.15
61	Janaekata CFUG	1+945	Salla	1	102	18	1.56	319.8	319.8	0.580644	600	5.22	3.0309617	205	621.3471444	621.3471444	941.15
62	Ramche CFUG	1+952	Salla	1	89	11	0.52	106.6	106.6	0.271672844	700	6.02	1.6354705	205	335.2714565	335.2714565	441.8714565
63	Ramche CFUG	1+93	Salla	1	58	5	0.39	79.95	79.95	0.053326506	700	6.02	0.3210256	205	65.81024136	65.81024136	145.7602414
64	Ramche CFUG	1+954	Salla	1	64	10	0.52	106.6	106.6	0.126007813	700	6.02	0.758567	205	155.5062414	155.5062414	262.1062414
65	Ramche CFUG	1+960	Chilaune	2	46	5	0.39	79.95	159.9	0.032661225	700	6.02	0.1966206	205	40.30721777	80.61443555	240.5144355
66	Ramche CFUG	2+000	Salla	1	107	18	1.56	319.8	319.8	0.64016001	700	6.02	3.8537633	205	790.0214683	790.0214683	1109.821468
67	Ramche CFUG	2+034	Salla	1	51	11	0.39	79.95	79.95	0.0887095	700	6.02	0.5340312	205	109.476394	109.476394	189.426394
68	Ramche CFUG	2+037	Salla	2	51	11	0.39	79.95	159.9	0.0887095	700	6.02	0.5340312	205	109.476394	218.9527879	378.8527879
69	Ramche CFUG	2+050	Salla	1	97	18	1.56	319.8	319.8	0.52403121	700	6.02	3.1546679	205	646.7069163	646.7069163	966.5069163
70	Ramche CFUG	2+065	Salla	1	56	11	0.39	79.95	79.95	0.107338495	700	6.02	0.6461777	205	132.4664367	132.4664367	212.4164367
71	Ramche CFUG	2+265	Salla	1	64	11	0.52	106.6	106.6	0.138608594	700	6.02	0.8344237	205	171.0568655	171.0568655	277.6568655
72	Ramche CFUG	2+290	Salla	1	58	9	0.39	79.95	79.95	0.095987711	700	6.02	0.577846	205	118.4584345	118.4584345	198.4084345
73	Ramche CFUG	2+310	Salla/Angel	3	25	3.5	0.13	26.65	79.95	0.007056438	700	6.02	0.0424798	205	8.708349519	26.12504856	106.0750486
74	Ramche CFUG	2+315	Salla	1	61	4.5	0.52	106.6	106.6	0.05225796	700	6.02	0.3145929	205	64.49154844	64.49154844	171.0915484
75	Ramche CFUG	2+330	Salla	1	102	11	1.56	319.8	319.8	0.354838	700	6.02	2.1361248	205	437.9055758	437.9055758	757.7055758
76	Ramche CFUG	2+370	Chilaune	1	25.4	4	0.13	26.65	26.65	0.0080645	700	6.02	0.0485483	205	9.95239945	9.95239945	36.60239945
77	Sirimala CFUG	0+875	Salla	1	53.34	9	0.39	79.95	79.95	0.080020001	600	5.22	0.41770441	205	85.62940334	85.62940334	165.5794033
78	Sirimala CFUG	0+910	Salla	1	88.9	3	0.52	106.6	106.6	0.074092594	600	5.22	0.38676334	205	79.28648457	79.28648457	185.8864846
79	Sirimala CFUG	0+940	Salla	1	88.9	7	0.52	106.6	106.6	0.172882719	600	5.22	0.90244779	205	185.0017973	185.0017973	291.6017973
80	Sirimala CFUG	0+965	Salla	1	50.8	4	0.39	79.95	79.95	0.032258	600	5.22	0.16838676	205	34.5192858	34.5192858	114.4692858
81	Sirimala CFUG	0+967	Salla	1	60.96	4	0.52	106.6	106.6	0.04645152	600	5.22	0.24247693	205	49.70777155	49.70777155	156.3077716
82	Sirimala CFUG	0+975	Salla	1	71.12	6	0.52	106.6	106.6	0.09483852	600	5.22	0.49505707	205	101.4867003	101.4867003	208.0867003
83	Sirimala CFUG	0+985	Salla	1	71.12	6	0.52	106.6	106.6	0.09483852	600	5.22	0.49505707	205	101.4867003	101.4867003	208.0867003
84	Sirimala CFUG	0+990	Salla	1	55.88	4	0.39	79.95	79.95	0.03903218	600	5.22	0.20374798	205	41.76833582	41.76833582	121.7183358
85	Sirimala CFUG	1+005	Salla	1	55.88	5	0.39	79.95	79.95	0.048790225	600	5.22	0.25468497	205	52.21041977	52.21041977	132.1604198
86	Sirimala CFUG	1+010	Salla	1	45.72	3	0.39	79.95	79.95	0.019596735	600	5.22	0.10229496	205	20.97046612	20.97046612	100.9204661
87	Sirimala CFUG	1+015	Salla	1	55.88	9	0.39	79.95	79.95	0.087822405	600	5.22	0.45843295	205	93.97875559	93.97875559	173.9287556
88	Sirimala CFUG	1+020	Salla	1	45.72	5	0.39	79.95	79.95	0.032661225	600	5.22	0.17049159	205	34.95077687	34.95077687	114.9007769
89	Sirimala CFUG	1+040	Salla	1	71.12	7	0.52	106.6	106.6	0.11064494	600	5.22	0.57756659	205	118.4011503	118.4011503	225.0011503
90	Sirimala CFUG	1+045	Salla	1	106.7	13	1.56	319.8	319.8	0.462337785	600	5.22	2.41340324	205	494.7476637	494.7476637	814.5476637
91	Sirimala CFUG	1+080	Salla	1	71.12	6.5	0.52	106.6	106.6	0.10274173	600	5.22	0.53631183	205	109.9439253	109.9439253	216.5439253
92	Sirimala CFUG	1+090	Salla	1	63.5	7	0.52	106.6	106.6	0.088205469	600	5.22	0.46043255	205	94.38867211	94.38867211	200.9886721

SN	Name of CFUG	Chainage	Species	No. of trees	Girth, cm	Height, m	Man days	Harvesting Cost	Total Harvesting Cost	Volume, m3	Distance (m)	MDs/cum	MDs/ Tree	District Rate	Volume Cost	Transportation Cost	Total Cost
93	Sirimala CFUG		Salla	1	55.88	5.5	0.39	79.95	79.95	0.053669248	600	5.22	0.28015347	205	57.43146175	57.43146175	137.3814617
94	Sirimala CFUG		Salla	1	58.42	7	0.39	79.95	79.95	0.074657109	600	5.22	0.38971011	205	79.89057207	79.89057207	159.8405721
95	Sirimala CFUG		Salla	1	45.72	5	0.39	79.95	79.95	0.032661225	600	5.22	0.17049159	205	34.95077687	34.95077687	114.9007769
96	Sirimala CFUG		Salla	1	71.12	11	0.52	106.6	106.6	0.17387062	600	5.22	0.90760464	205	186.0589505	186.0589505	292.6589505
97	Sirimala CFUG		Salla	1	53.34	7	0.39	79.95	79.95	0.062237779	600	5.22	0.32488121	205	66.60064704	66.60064704	146.550647
98	Sirimala CFUG		Salla	1	45.72	3	0.39	79.95	79.95	0.019596735	600	5.22	0.10229496	205	20.97046612	20.97046612	100.9204661
99	Sirimala CFUG	1+150	Salla	1	50.8	6	0.39	79.95	79.95	0.048387	600	5.22	0.25258014	205	51.7789287	51.7789287	131.7289287
100	Sirimala CFUG	1+155	Salla	1	53.34	6	0.39	79.95	79.95	0.053346668	600	5.22	0.2784696	205	57.08626889	57.08626889	137.0362689
101	Sirimala CFUG	1+170	Salla	2	48.26	4	0.39	79.95	159.9	0.029112845	600	5.22	0.15196905	205	31.15365543	62.30731087	222.2073109
102	Sirimala CFUG	1+206	Salla	1	60.96	6	0.52	106.6	106.6	0.06967728	600	5.22	0.3637154	205	74.56165733	74.56165733	181.1616573
103	Sirimala CFUG	1+250	Salla	1	48.26	7	0.39	79.95	79.95	0.050947479	600	5.22	0.26594584	205	54.51889701	54.51889701	134.468897
104	Sirimala CFUG	1+277	Salla	1	45.72	3.5	0.39	79.95	79.95	0.022862858	600	5.22	0.11934412	205	24.46554381	24.46554381	104.4155438
105	Sirimala CFUG	1+278	Salla	1	35.56	2	0.39	79.95	79.95	0.00790321	600	5.22	0.04125476	205	8.457225021	8.457225021	88.40722502
106	Sirimala CFUG	1+330	Salla	1	88.9	15.5	0.52	106.6	106.6	0.382811734	600	5.22	1.99827725	205	409.646837	409.646837	516.246837
107	Sirimala CFUG	1+340	Salla	1	58.42	6	0.39	79.95	79.95	0.063991808	600	5.22	0.33403724	205	68.47763321	68.47763321	148.4276332
108	Sirimala CFUG	1+350	Salla	3	101.6	16	1.56	319.8	959.4	0.516128	600	5.22	2.69418816	205	552.3085728	1656.925718	2616.325718
109	Sirimala CFUG	1+370	Salla	4	25.4	4.5	0.13	26.65	106.6	0.009072563	600	5.22	0.04735878	205	9.708549131	38.83419653	145.4341965
110	Sirimala CFUG	1+945	Salla	1	104.1	20	1.56	319.8	319.8	0.677821225	600	5.22	3.53822679	205	725.3364929	725.3364929	1045.136493
111	Religious Forest	3+082	Chilaune	1	102	8	1.56	319.8	319.8	0.258064	700	6.02	1.55354528	205	318.4767824	318.4767824	638.2767824
112	Religious Forest	3+170	Uttish	1	64	5	0.52	106.6	106.6	0.063003906	700	6.02	0.37928352	205	77.7531207	77.7531207	184.3531207
113	Religious Forest	3+215	Chilaune	1	51	3.5	0.39	79.95	79.95	0.02822575	700	6.02	0.16991902	205	34.83339808	34.83339808	114.7833981
114	Religious Forest	3+220	Pahale	1	64	4	0.52	106.6	106.6	0.050403125	700	6.02	0.30342681	205	62.20249656	62.20249656	168.8024966
115	Religious Forest	3+222	Chilaune	1	76	8	0.52	106.6	106.6	0.145161	700	6.02	0.87386922	205	179.1431901	179.1431901	285.7431901
116	Religious Forest	3+225	Chilaune	1	20	4.5	0.13	26.65	26.65	0.00580644	700	6.02	0.03495477	205	7.165727604	7.165727604	33.8157276
117	Religious Forest	3+230	Uttish	1	48	7	0.39	79.95	79.95	0.050947479	700	6.02	0.30670382	205	62.87428353	62.87428353	142.8242835
118	Religious Forest	3+230	Chilaune	1	102	7	1.56	319.8	319.8	0.225806	700	6.02	1.35935212	205	278.6671846	278.6671846	598.4671846
119	Religious Forest	3+221	Uttish	1	61	5.5	0.52	106.6	106.6	0.06387084	700	6.02	0.38450246	205	78.82300364	78.82300364	185.4230036
120	Religious Forest	3+222	Maledo	1	61	7	0.52	106.6	106.6	0.08129016	700	6.02	0.48936676	205	100.3201865	100.3201865	206.9201865
121	Religious Forest	3+230	Chilaune	1	122	6.5	2.5	512.5	512.5	0.30193488	700	6.02	1.81764798	205	372.6178354	372.6178354	885.1178354
122	Religious Forest	3+246	Angari	3	30	2	0.39	79.95	239.85	0.00580644	700	6.02	0.03495477	205	7.165727604	21.49718281	261.3471828
123	Religious Forest	3+250	Salla	1	218	24	4	820	820	3.57870252	700	6.02	21.5437892	205	4416.47678	4416.47678	5236.47678
124	Religious Forest	3+ 252	Uttish	2	51	8	0.39	79.95	159.9	0.064516	700	6.02	0.38838632	205	79.6191956	159.2383912	319.1383912
125	Religious Forest	3+370	Uttish	1	81	10	0.52	106.6	106.6	0.2064512	700	6.02	1.24283622	205	254.7814259	254.7814259	361.3814259
126	Religious Forest	3+271	Uttish	1	76	10	0.52	106.6	106.6	0.18145125	700	6.02	1.09233653	205	223.9289876	223.9289876	330.5289876
127	Religious Forest	3+273	Maledo	1	76	10	0.52	106.6	106.6	0.18145125	700	6.02	1.09233653	205	223.9289876	223.9289876	330.5289876
128	Religious Forest	3+275	Chilaune	1	102	7.5	1.56	319.8	319.8	0.241935	700	6.02	1.4564487	205	298.5719835	298.5719835	618.3719835
129	Religious Forest	3+800	Angari	5	38	3	0.39	79.95	399.75	0.013608844	700	6.02	0.08192524	205	16.79467407	83.97337036	483.7233704
171																	47558.74539

## Trees Calculation of Private Owners

HH	Chainage	Tree Owner	Address	Species	No. of trees	Girth, cm	Height, m	Man days	Harvesting Cost	Total Harvesting Cost	Volume, m3	Distance (m)	MDs/cum	MDs/Tree	District Rate	Volume Cost	Transportation Cost	Total Cost
3	0+072	Krishan Bahadur Khadka	Sunkhani- 9,	Salla	1	50.80	7	0.39	79.95	79.95	0.05645	200	2.02	0.114	205	23.377	23.3766	103.33
3	0+180	Krishan Bahadur Khadka	Sunkhani- 9,	Salla	1	88.90	4	0.52	106.6	106.6	0.09879	500	4.42	0.4367	205	89.514	89.5137	196.11
2	0+264	Bhalaraj/ Sher Badr. Basnet	Sunkhani- 9,	Uttish	1	50.80	9.5	0.39	79.95	79.95	0.07661	500	4.42	0.3386	205	69.419	69.4188	149.37
2	0+265	Bhalaraj/ Sher Badr. Basnet	Sunkhani- 9,	Uttish	1	53.34	9	0.39	79.95	79.95	0.08002	500	4.42	0.3537	205	72.506	72.5061	152.46
2	0+266	Bhalaraj/ Sher Badr. Basnet	Sunkhani- 9,	Chlaune	1	55.88	8	0.39	79.95	79.95	0.07806	500	4.42	0.345	205	70.734	70.7341	150.68
2	0+271	Bhalaraj/ Sher Badr. Basnet	Sunkhani- 9,	Kutmiro	1	40.64	4	0.39	79.95	79.95	0.02065	500	4.42	0.0913	205	18.707	18.7065	98.66
4	0+271	Chakra Bahadur Basnet	Sunkhani- 9,	Khnyu	3	50.80	5	0.39	79.95	239.85	0.04032	500	4.42	0.1782	205	36.536	109.609	349.46
4	0+290	Chakra Bahadur Basnet	Sunkhani- 9,	Uttish	3	30.48	3	0.39	79.95	239.85	0.00871	500	4.42	0.0385	205	7.8918	23.6755	263.53
2	0+320	Bhalaraj/ Sher Bdr. Basnet	Sunkhani- 9,	Sallo	1	81.28	4	0.52	106.6	106.6	0.08258	500	4.42	0.365	205	74.826	74.8262	181.43
4	0+330	Chakra Bahadur Basnett	Sunkhani- 9,	Sallo	1	81.28	7	0.52	106.6	106.6	0.14452	500	4.42	0.6388	205	130.95	130.946	237.55
4	0+345	Chakra Bahadur Basnett	Sunkhani- 9,	Sallo	1	76.20	7.5	0.52	106.6	106.6	0.13609	500	4.42	0.6015	205	123.31	123.31	229.91
4	0+390	Chakra Bahadur Basnett	Sunkhani- 9,	Sallo	1	91.44	11	1.56	319.8	319.8	0.28742	500	4.42	1.2704	205	260.43	260.43	580.23
4	0+400	Chakra Bahadur Basnett	Sunkhani- 9,	Sallo	1	88.90	10	0.52	106.6	106.6	0.24698	500	4.42	1.0916	205	223.78	223.784	330.38
4	0+420	Chakra Bahadur Basnett	Sunkhani- 9,	Sallo	1	48.26	5	0.39	79.95	79.95	0.03639	500	4.42	0.1608	205	32.974	32.9739	112.92
2	0+389	Bhalaraj/ Sher Bdr. Basnet	Sunkhani- 9,	Sallo	1	78.74	6	0.52	106.6	106.6	0.11625	500	4.42	0.5138	205	105.33	105.334	211.93
5	2+550	Durga Bahadur Shahi	Lapilang- 9	Hadebir	1	66.04	4	0.52	106.6	106.6	0.05452	100	1.22	0.0665	205	13.634	13.6345	120.23
12	2+793	Bam Bahadur / Bhim Kumari Basnet	Lapilang- 9	Kutmiro	1	33.02	3	0.39	79.95	79.95	0.01022	200	2.02	0.0206	205	4.2328	4.23283	84.18
5	3+000	Durga Bahadur Shahi	Lapilang- 9	Uttish	2	76.20	5	0.52	106.6	213.2	0.09073	300	2.82	0.2558	205	52.448	104.897	318.10
14	3+563	Bhim Bahadur Karki	Lapilang-9	Khanyu	1	50.80	2	0.39	79.95	79.95	0.01613	300	2.82	0.0455	205	9.3242	9.32417	89.27
16	3+635	Dan Bdr Basnet	Lapilang-9	Uttish	5	50.80	6	0.39	79.95	399.75	0.04839	300	2.82	0.1365	205	27.973	139.863	539.61

HH	Chainage	Tree Owner	Address	Species	No. of trees	Girth, cm	Height, m	Man days	Harvesting Cost	Total Harvesting Cost	Volume, m3	Distance (m)	MDs/cum	MDs/Tree	District Rate	Volume Cost	Transportation Cost	Total Cost
16	3+645	Dan Bdr Basnet	Lapinang-9	Chilune	2	30.48	6	0.39	79.95	159.9	0.01742	500	4.42	0.077	205	15.784	31.5673	191.47
16	3+635	Dan Bdr Basnet	Lapinang-9	Sallo	2	50.80	6	0.39	79.95	159.9	0.04839	500	4.42	0.2139	205	43.843	87.6869	247.59
16	3+645	Dan Bdr Basnet	Lapinang-9	Uttish	1	30.48	6	0.39	79.95	79.95	0.01742	500	4.42	0.077	205	15.784	15.7836	95.73
28	4+150	Chandra Thapa	Lapilang -9	Kaulo	1	48.26	10	0.39	79.95	79.95	0.07278	600	5.22	0.3799	205	77.884	77.8841	157.83
28	4+155	Chandra Thapa	Lapilang -9	Koiralo	1	76.20	4	0.52	106.6	106.6	0.07258	600	5.22	0.3789	205	77.668	77.6684	184.27
30	4+210	Ram Bdr. Thapa	Lapilang -9	Katush	1	81.28	15	0.52	106.6	106.6	0.30968	650	5.62	1.7404	205	356.78	356.779	463.38
30	4+215	Ram Bdr. Thapa	Lapilang -9	Katush	1	88.90	14	0.52	106.6	106.6	0.34577	650	5.62	1.9432	205	398.36	398.356	504.96
32	4+222	Gokul Bahadur Thami	Lapilang -9	Koiralo	1	88.90	14	0.52	106.6	106.6	0.34577	500	4.42	1.5283	205	313.3	313.298	419.90
32	4+280	Gokul Bahadur Thami	Lapilang -9	Chilaune	1	55.88	5	0.39	79.95	79.95	0.04879	500	4.42	0.2157	205	44.209	44.2088	124.16
45	4+362	Tirtha Bdr. Thami	Lapilang -9	Chilaune	1	38.10	6	0.39	79.95	79.95	0.02722	500	4.42	0.1203	205	24.662	24.6619	104.61
35	4+425	Tara Devi Basnet	Lapilang -9	Kainyu	1	63.50	2	0.52	106.6	106.6	0.0252	600	5.22	0.1316	205	26.968	26.9682	133.57
51	4+855	Bhim Kumari Thami	Lapilang -9	Pahele	1	71.12	12	0.52	106.6	106.6	0.18968	500	4.42	0.8384	205	171.87	171.866	278.47
54	5+395	Purush Bdr. Thapa	Lapilang -9	Nibaro	1	165.10	6	2.5	512.5	512.5	0.51109	800	6.82	3.4856	205	714.55	714.552	1227.05
71	5+790	Hom Bdr. Thami	Lapilang -8	Chilaun	1	38.10	6	0.39	79.95	79.95	0.02722	650	5.62	0.153	205	31.357	31.3575	111.31
71	5+790	Hom Bdr. Thami	Lapilang -8	Hadebir	1	30.48	4	0.39	79.95	79.95	0.01161	650	5.62	0.0653	205	13.379	13.3792	93.33
72	5+840	Jukti Man Thami	Lapilang -7	Maledo	3	38.10	6	0.39	79.95	239.85	0.02722	500	4.42	0.1203	205	24.662	73.9858	313.84
72	5+850	Jukti Man Thami	Lapilang -7	Maledo	3	38.10	4	0.39	79.95	239.85	0.01815	500	4.42	0.0802	205	16.441	49.3239	289.17
76	5+605	Dhan Bdr Thami	Lapilang - 7	Maledo	1	152.40	17	2.5	512.5	512.5	1.23387	700	6.02	7.4279	205	1522.7	1522.72	2035.22
70	6+090	Baburam Thami	Lapilang - 7	Maledo	1	38.10	2	0.39	79.95	79.95	0.00907	700	6.02	0.0546	205	11.196	11.1964	91.15
76	5+890	Dhan Bdr Thami	Lapilang 7	Chilune	3	33.02	12	0.39	79.95	239.85	0.04089	700	6.02	0.2461	205	50.459	151.376	391.23
73	6+490	Suk Bir Thami	Lapilang ,6	Uttish	1	101.60	12	1.56	319.8	319.8	0.3871	500	4.42	1.711	205	350.75	350.748	670.55
73	6+500	Suk Bir Thami (P)	Lapilang ,6	Maledo	1	88.90	13	0.52	106.6	106.6	0.32107	500	4.42	1.4191	205	290.92	290.92	397.52
73	6+510	Suk Bir Thami (P)	Lapilang ,6	Maledo	1	88.90	14	0.52	106.6	106.6	0.34577	500	4.42	1.5283	205	313.3	313.298	419.90
73	6+540	Suk Bir Thami (P)	Lapilang ,6	Uttish	1	63.50	9	0.52	106.6	106.6	0.11341	500	4.42	0.5013	205	102.76	102.758	209.36
73	6+558	Suk Bir Thami (P)	Lapilang ,6	Uttish	1	88.90	8	0.52	106.6	106.6	0.19758	500	4.42	0.8733	205	179.03	179.027	285.63
	6+610	Purna Singh Thami	Lapilang -5	Chilaune	1	139.70	20	2.5	512.5	512.5	1.21976	700	6.02	7.3429	205	1505.3	1505.3	2017.80
120	7+300	Lalit Bdr Karki	Lapilang 5	Lakuri	1	63.50	9	0.52	106.6	106.6	0.11341	250	2.42	0.2744	205	56.261	56.2612	162.86
122	7+340	Bhakta Bdr Karki	Lapilang 5	Chilaune	1	71.12	6	0.52	106.6	106.6	0.09484	340	3.14	0.2978	205	61.048	61.0476	167.65

HH	Chainage	Tree Owner	Address	Species	No. of trees	Girth, cm	Height, m	Man days	Harvesting Cost	Total Harvesting Cost	Volume, m3	Distance (m)	MDs/cum	MDs/Tree	District Rate	Volume Cost	Transportation Cost	Total Cost
122	7+345	Bhakta Bdr Karki	Lapilang 5	Kaulo	1	81.28	13	0.52	106.6	106.6	0.26839	340	3.14	0.8427	205	172.76	172.76	279.36
122	7+346	Bhakta Bdr Karki	Lapilang 5	Chilaune	2	101.60	15	1.56	319.8	639.6	0.48387	340	3.14	1.5194	205	311.47	622.934	1262.53
122	7+473	Bhakta Bdr Karki	Lapilang 5	Kattush	1	38.10	6	0.39	79.95	79.95	0.02722	340	3.14	0.0855	205	17.52	17.52	97.47
122	7+390	Bhakta Bdr Karki	Lapilang 5	Chilaune	1	101.60	15	1.56	319.8	319.8	0.48387	340	3.14	1.5194	205	311.47	311.467	631.27
125	7+500	Khel Bdr karki	Lapilang 6	Chilaune	1	63.50	9	0.52	106.6	106.6	0.11341	200	2.02	0.2291	205	46.962	46.9619	153.56
127	7+637	Samsher Bahadur Basnet	Lapilang 6	Niuro	2	81.28	8	0.52	106.6	213.2	0.16516	250	2.42	0.3997	205	81.936	163.873	377.07
87	8+000	Dal Bahadur Thami	Lapilang 6	Chhilaune	2	101.60	12	1.56	319.8	639.6	0.3871	500	4.42	1.711	205	350.75	701.495	1341.10
87	8+007	Dal Bahadur Thami	Lapilang 6	Chilaune	3	45.72	4	0.39	79.95	239.85	0.02613	500	4.42	0.1155	205	23.675	71.0264	310.88
133	8+277	Man Bir Tahmi	Lapilang 6	Chilaune	1	45.72	4	0.39	79.95	79.95	0.02613	500	4.42	0.1155	205	23.675	23.6755	103.63
90	8+500	Suwane Thami	Lapilang 6	Chilaune	1	55.88	5	0.39	79.95	79.95	0.04879	500	4.42	0.2157	205	44.209	44.2088	124.16
117	8+540	Ritthi Thami	Lapilang 6	Chilaune	3	55.88	7	0.39	79.95	239.85	0.06831	600	5.22	0.3566	205	73.095	219.284	459.13
117	8+625	Ritthi Thami	Lapilang 6	Lankuri	1	114.30	10	1.56	319.8	319.8	0.40827	600	5.22	2.1311	205	436.88	436.885	756.68
149	8+885	Janga Bdr thami	Lapilang 7	Chilaune	1	76.20	12	0.52	106.6	106.6	0.21774	500	4.42	0.9624	205	197.3	197.296	303.90
149	8+855	Janga Bdr thami	Lapilang 7	Uttish	1	76.20	12	0.52	106.6	106.6	0.21774	500	4.42	0.9624	205	197.3	197.296	303.90
164	9+270	Buddhi Man Thami	Lapilang 5	Uttish	1	63.50	9	0.52	106.6	106.6	0.11341	450	4.02	0.4559	205	93.459	93.4587	200.06
164	9+270	Buddhi Man Thami	Lapilang 5	Chilaune	2	55.88	6	0.39	79.95	159.9	0.05855	450	4.02	0.2354	205	48.25	96.4993	256.40
169	9+460	Lal Bir Thami	Lapilang 5	Guras	2	88.90	5	0.52	106.6	213.2	0.12349	1000	8.42	1.0398	205	213.15	426.304	639.50
153	9+540	Khadga Bahadur Thami	Lapilang 5	Kutmire	1	76.20	5	0.52	106.6	106.6	0.09073	200	2.02	0.1833	205	37.569	37.5695	144.17
162	9+557	Mani Ram Thami	Lapilang 5	Lankuri	1	63.50	6	0.52	106.6	106.6	0.0756	400	3.62	0.2737	205	56.106	56.1062	162.71
					93													24196.29



## Valuation of Affected Structures

SN	Name of House Owner	Address	Type of Building	Sizes			Area			Total Area	Cost /m <sup>2</sup>	Total Cost
				L	B	H	Plinth Area	1st Floor	2nd Floor			
1	Kamal B.Thakuri	Lapilang-9, Patagaun	Residential (Mud and Stone wall with CGI Sheet roofing )	7.8	3.8	2.2	29.64			29.64	1600	47,424.00
				7.8	3.8	2.2		29.64		29.64	1600	47,424.00
				7.8	3.8	1.68			29.64	29.64	1600	47,424.00
			Shed	1.7	2.5	1.75	4.25			4.25	700	2,975.00
Total Cost												145,247.00



S.N	Name of House Owner	Address	Type of Building	Sizes			Area			Total Area	Cost /m <sup>2</sup>	Total Cost
				L	B	H	Plinth Area	1st Floor	2nd Floor			
3	Dhan B. Thami	Lapilang-7, Lampa	Residential ( Constructed of Mud and Stone wall with CGI Sheet roofing )	4.70	3.45	1.95	16.22			16.215	1400	22,701.00
				5.60	3.00	1.95		16.80		16.8	1400	23,520.00
				5.60	3.00	0.85			16.80	16.8	1400	23,520.00
			Shed	1.70	3.00	2.00	5.10			5.1	700	3,570.00
Total Cost												73,311.00



S.N	Name of House Owner	Address	Type of Building	Sizes			Area			Total Area	Cost /m <sup>2</sup>	Total Cost
				L	B	H	Plinth Area	1st Floor	2nd Floor			
4	Krishna B. Thami	Lapilang-5, Godung	Residential ( Constructed of Mud and Stone wall with CGI Sheet roofing )	6.00	3.60	2.10	21.60			21.6	1400.00	30,240.00
Total Cost												30,240.00



Compensation for Standing Crops

HH	HH Head	New Cutting	Per Ropani Production	Total Production	Rate	Total Cost
1	Nir Bahadur Karki	0	110	0.00	22	0.00
	Nir Bahadur Karki	30	110	6.54	22	143.83
2	Bhal Raj/Sher Bdr Basnet	190	110	41.40	22	910.89
	Bhal Raj/Sher Bdr Basnet	190	110	41.40	22	910.89
3	Krishna Bdr Khadka	390	110	84.99	22	1869.73
	Krishna Bdr Khadka	265	110	57.75	22	1270.45
	Krishna Bdr Khadka	160	110	34.87	22	767.07
4	Chakra Bdr Basnet	10	110	2.18	22	47.94
	Chakra Bdr Basnet	260	110	56.66	22	1246.48
	Chakra Bdr Basnet	200	110	43.58	22	958.83
	Chakra Bdr Basnet	180	110	39.23	22	862.95
	Chakra Bdr Basnet	120	110	26.15	22	575.30
5	Durga Bdr Sahi	205	105	42.64	22	938.13
	Durga Bdr Sahi	190	105	39.52	22	869.49
6	Tirtha Bdr Thakuri	15	105	3.12	22	68.64
7	Bir Bdr Thakuri	125	105	26.00	22	572.03
8	Kamal Thakuri	60	105	12.48	22	274.58
9	Rudra Bdr Thakuri	350	105	72.80	22	1601.69
	Rudra Bdr Thakuri	210	105	43.68	22	961.01
10	Chab Bdr Sahi	230	105	47.84	22	1052.54
13	Padam Bdr Siwakoti	30	105	6.24	22	137.29
	Lal Bdr Siwakoti	200	105	41.60	22	915.25
<a href="#">12</a>	Bam Bdr/Bhim Kumari Basnet	210	105	43.68	22	961.01
	Karna Bdr/Lal Bdr Siwakoti	80	105	16.64	22	366.10
11	Padam Bdr Siwakoti	30	105	6.24	22	137.29
14	Bhim Bdr Karki	290	105	60.32	22	1327.11
	Bhim Bdr Karki	320	105	66.56	22	1464.40
15	Kalyani Thapa	180	105	37.44	22	823.73
	Kalyani Thapa	80	105	16.64	22	366.10
16	Dan Bdr Basnet	500	105	104.01	22	2288.13
	Dan Bdr Basnet	95	105	19.76	22	434.74
16	Durga Bdr Thakuri	55	105	11.44	22	251.69
	Durga Bdr Thakuri	10	105	2.08	22	45.76
	Durga Bdr Thakuri	45	105	9.36	22	205.93
18	Yam Bdr Thakuri	80	105	16.64	22	366.10
	Yam Bdr Thakuri	65	105	13.52	22	297.46
	Yam Bdr Thakuri	120	105	24.96	22	549.15
19	Ambar Bdr Thakuri	15	105	3.12	22	68.64
	Ambar Bdr Thakuri	115	105	23.92	22	526.27
20	Samsher Bdr Thakuri	10	105	2.08	22	45.76
	Samsher Bdr Thakuri	20	105	4.16	22	91.53
22	Tulsi Ram Thakuri	10	105	2.08	22	45.76

HH	HH Head	New Cutting	Per Ropani Production	Total Production	Rate	Total Cost
21	Chab Bdr Thakuri	75	105	15.60	22	343.22
	Chab Bdr Thakuri	55	105	11.44	22	251.69
23	Balsova Thami	80	105	16.64	22	366.10
24	Hom Bdr Karki	70	105	14.56	22	320.34
25	Dil Bdr Basnet	180	105	37.44	22	823.73
26	Bhim Kumari Thapa	40	105	8.32	22	183.05
27	Nar Bdr Thapa	15	105	3.12	22	68.64
	Nar Bdr Thapa	210	105	43.68	22	961.01
	Nar Bdr Thapa	60	105	12.48	22	274.58
28	Chandra Bdr Thapa	100	105	20.80	22	457.63
	Chandra Bdr Thapa	15	105	3.12	22	68.64
	Chandra Bdr Thapa	140	105	29.12	22	640.68
29	Surya Bdr Thapa	50	105	10.40	22	228.81
	Surya Bdr Thapa	50	105	10.40	22	228.81
30	Gangamaya Thapa	30	105	6.24	22	137.29
31	Bhim Bdr Thapa	15	105	3.12	22	68.64
32	Gokul Bdr Thami	150	105	31.20	22	686.44
	Bhim Bdr Thami	45	105	9.36	22	205.93
33	Dil Bdr Thapa	65	105	13.52	22	297.46
34	Dammer Bdr Thami	340	105	70.72	22	1555.93
	Dammer Bdr Thami	350	105	72.80	22	1601.69
35	Tara Devi Basnet	70	105	14.56	22	320.34
36	Santa Bdr Thami	300	105	62.40	22	1372.88
	Ratna Kumari Thami	15	105	3.12	22	68.64
37	Yam Bdr Thapa	70	105	14.56	22	320.34
38	Ganesh Bdr Basnet	160	105	33.28	22	732.20
39	Padam Bdr Karki	30	105	6.24	22	137.29
40	Kumbha Thami	35	105	7.28	22	160.17
	Kumbha Thami	270	105	56.16	22	1235.59
41	Chandra Bdr Thapa	100	105	20.80	22	457.63
	Chandra Bdr Thapa	80	105	16.64	22	366.10
42	Parbati Bdr Thapa	105	105	21.84	22	480.51
43	Bir Bdr/Sukhmaya Thami	65	105	13.52	22	297.46
44	Kumar Thami	15	105	3.12	22	68.64
45	Tirhta Bdr Thapa	5	105	1.04	22	22.88
46	Naran Bdr Adhikari	5	105	1.04	22	22.88
47	Nainsova Basnet	120	105	24.96	22	549.15
48	Bhim Bdr Basnet	20	105	4.16	22	91.53
	Bhim Bdr Basnet	90	105	18.72	22	411.86
	Bhim Bdr Basnet	35	105	7.28	22	160.17
49	Siv Bdr Basnet	50	105	10.40	22	228.81
50	Durga Bdr Basnet	30	105	6.24	22	137.29
51	Bhim Kumari Thami	55	105	11.44	22	251.69
52	Ganes Bdr Thapa	130	105	27.04	22	594.91
53	Padam Bdr Basnet	30	105	6.24	22	137.29



HH	HH Head	New Cutting	Per Ropani Production	Total Prodocation	Rate	Total Cost
	Ramila Basnet	10	105	2.08	22	45.76
	Ramila Basnet	85	105	17.68	22	388.98
53	Kul Bdr Thapa	370	105	76.96	22	1693.21
	Kul Bdr Thapa	70	105	14.56	22	320.34
54	Purus Bdr Thami	40	105	8.32	22	183.05
	Purus Bdr Thami	160	105	33.28	22	732.20
	Purus Bdr Thami	30	105	6.24	22	137.29
	Purus Bdr Thami	90	105	18.72	22	411.86
	Purus Bdr Thami	95	105	19.76	22	434.74
	Purus Bdr Thami	30	105	6.24	22	137.29
55	Leela Bdr Thapa	130	105	27.04	22	594.91
	Leela Bdr Thapa	30	105	6.24	22	137.29
56	Indra Bdr Thapa	45	105	9.36	22	205.93
58	Prithi Bdr Thapa	15	105	3.12	22	68.64
59	Karna Bir Thami	10	105	2.08	22	45.76
60	Karna Bdr Thapa	55	105	11.44	22	251.69
61	Man Bdr Thapa	40	105	8.32	22	183.05
62	Surya Bdr Thami	65	105	13.52	22	297.46
	Surya Bdr Thami	270	105	56.16	22	1235.59
63	Griha Bdr Thami	30	105	6.24	22	137.29
	Griha Bdr Thami	15	105	3.12	22	68.64
64	Dhan Bdr Thami	80	105	16.64	22	366.10
	Dhan Bdr Thami	180	105	37.44	22	823.73
65	Chandra Bdr Thami	50	105	10.40	22	228.81
	Chandra Bdr Thami	0	105	0.00	22	0.00
66	Metar Bdr Khadka	210	105	43.68	22	961.01
67	Sher Bdr Khadka	70	105	14.56	22	320.34
	Sher Bdr Khadka	50	105	10.40	22	228.81
68	Tilak Bdr Khadka	225	105	46.80	22	1029.66
69	Manmaya Khadka	90	105	18.72	22	411.86
70	Jhalak Bdr Thami	80	105	16.64	22	366.10
71	Hom Bdr Thami	175	105	36.40	22	800.84
72	Juktiman Thami	325	105	67.60	22	1487.28
	Juktiman Thami	111	105	23.09	22	507.96
	Juktiman Thami	10	105	2.08	22	45.76
	Juktiman Thami	8	105	1.66	22	36.61
74	Shaktiman Thami	8	105	1.66	22	36.61
	Shaktiman Thami	50	105	10.40	22	228.81
73	Khamba Thami	63	105	13.10	22	288.30
75	Kalak Bdr Thami	44	105	9.15	22	201.36
	Kalak Bdr Thami	32	105	6.66	22	146.44
	Kalak Bdr Thami	50	105	10.40	22	228.81
76	Dhan Bdr Thami	62	105	12.90	22	283.73
77	Amber Bdr Thami	55	105	11.44	22	251.69
	Amber Bdr Thami	200	105	41.60	22	915.25

HH	HH Head	New Cutting	Per Ropani Production	Total Production	Rate	Total Cost
78	Jasman Thami	50	105	10.40	22	228.81
80	Nar Bdr Thami	32	105	6.66	22	146.44
79	Man Bdr Thami	24	105	4.99	22	109.83
	Man Bdr Thami	50	105	10.40	22	228.81
81	Shantamaya Thami	50	105	10.40	22	228.81
82	Ratnakumar Thami	222	105	46.18	22	1015.93
83	Minkumar Thami	318	105	66.15	22	1455.25
84	Purna Bdr Thami	64	105	13.31	22	292.88
	Purna Bdr Thami	190	105	39.52	22	869.49
	Purna Bdr Thami	75	105	15.60	22	343.22
	Purna Bdr Thami	48	105	9.98	22	219.66
	Purna Bdr Thami	64	105	13.31	22	292.88
	Purna Bdr Thami	35	105	7.28	22	160.17
128	Sete Thami	72	105	14.98	22	329.49
	Sete Thami	160	105	33.28	22	732.20
	Sete Thami	32	105	6.66	22	146.44
86	Krishnamaya Thami	60	105	12.48	22	274.58
	Krishnamaya Thami	67	105	13.94	22	306.61
87	Dal Bdr Thami	24	105	4.99	22	109.83
	Dal Bdr Thami	19	105	3.95	22	86.95
88	Lokbir Thami	14	105	2.91	22	64.07
91	Dil Bdr Thami	150	105	31.20	22	686.44
	Dil Bdr Thami	100	105	20.80	22	457.63
89	Suk Bdr Thami	15	105	3.12	22	68.64
	Suk Bdr Thami	10	105	2.08	22	45.76
92	Hari Bdr Thami	95	105	19.76	22	434.74
	Hari Bdr Thami	20	105	4.16	22	91.53
93	Gokulman Thami	8	105	1.66	22	36.61
94	Ghambhir Thami	35	105	7.28	22	160.17
95	Gumansing Thami	32	105	6.66	22	146.44
	Gumansing Thami	10	105	2.08	22	45.76
96	Ratna Bdr Thami	15	105	3.12	22	68.64
97	Datte Thami	20	105	4.16	22	91.53
98	Nar Bdr Thami	15	105	3.12	22	68.64
99	Nahale Thami	45	105	9.36	22	205.93
100	Subas Thami	7	105	1.46	22	32.03
	Subas Thami	65	105	13.52	22	297.46
90	Suwane Thami	39	105	8.11	22	178.47
	Suwane Thami	300	105	62.40	22	1372.88
	Suwane Thami	50	105	10.40	22	228.81
	Suwane Thami	30	105	6.24	22	137.29
101	Chamare Thami	35	105	7.28	22	160.17
102	Bhuvir Thami	16	105	3.33	22	73.22
103	Lakshyaram Thami	50	105	10.40	22	228.81
104	Bhakta Bdr Thami	25	105	5.20	22	114.41

HH	HH Head	New Cutting	Per Ropani Production	Total Production	Rate	Total Cost
78	Jasman Thami	50	105	10.40	22	228.81
105	Man Bdr Thami	80	105	16.64	22	366.10
106	Jay Bdr Thami	65	105	13.52	22	297.46
107	Maniraj Thami	63	105	13.10	22	288.30
108	Jit Bdr Thami	55	105	11.44	22	251.69
	Jit Bdr Thami	96	105	19.97	22	439.32
109	Ganes Bdr Thami	26	105	5.41	22	118.98
110	Krishna Bdr Thami	76	105	15.81	22	347.80
111	Nar Bdr Thami	152	105	31.62	22	695.59
112	Gopal Bdr Thami	40	105	8.32	22	183.05
113	Ganes Bdr Thami	7	105	1.46	22	32.03
114	Bakhan Singh Thami	80	105	16.64	22	366.10
	Bakhan Singh Thami	80	105	16.64	22	366.10
	Dal Bdr Thami	41	105	8.53	22	187.63
115	Dal Bdr Thami	14	105	2.91	22	64.07
	Dal Bdr Thami	10	105	2.08	22	45.76
	Dal Bdr Thami	25	105	5.20	22	114.41
116	Karnabir thami		105	0.00	22	0.00
	Karnabir thami	10	105	2.08	22	45.76
117	Man Bdr Thami	92	105	19.14	22	421.02
	Ritthi Thamini	420	105	87.36	22	1922.03
118	Dan Bdr Khatri	15	105	3.12	22	68.64
119	Krishna Bdr Karki	64	105	13.31	22	292.88
	Krishna Bdr Karki	15	105	3.12	22	68.64
120	Lalit Bdr Karki	102	105	21.22	22	466.78
	Lalit Bdr Karki	64	105	13.31	22	292.88
121	Nir Bdr Karki	8	105	1.66	22	36.61
	Nir Bdr Karki	152	105	31.62	22	695.59
122	Bhakta Bdr Karki	250	105	52.00	22	1144.06
123	Uddav Bdr Karki	108	105	22.47	22	494.24
124	Som Bdr Karki	240	105	49.92	22	1098.30
125	Khel Bdr Karki	65	105	13.52	22	297.46
126	Sare Thami	115	105	23.92	22	526.27
127	Samser Bdr Basnet	785	105	163.29	22	3592.36
129	Birman Thami	16	125	3.96	24	95.09
130	Khadka Bdr Thami	79	125	19.56	24	469.51
	Khadka Bdr Thami	24	125	5.94	24	142.64
132	Buddiman Thami	16	125	3.96	24	95.09
134	Chini Bdr Thami	10	125	2.48	24	59.43
136	Chandrabir Thami	24	125	5.94	24	142.64
	Chandrabir Thami	8	125	1.98	24	47.55
131	Debendra Thami	128	125	31.70	24	760.73
	Debendra Thami	145	125	35.91	24	861.76
138	Amritsova Thami	80	125	19.81	24	475.45
140	Amrita Thamini	175	125	43.34	24	1040.06

HH	HH Head	New Cutting	Per Ropani Production	Total Prodocation	Rate	Total Cost
	Mangal Thami	10	125	2.48	24	59.43
	Yamsova Thami	65	125	16.10	24	386.31
143	Man Bdr Thami	254	125	62.90	24	1509.57
133	Manbir Thami	349	125	86.42	24	2074.17
	Manbir Thami	40	125	9.91	24	237.73
	Manbir Thami	15	125	3.71	24	89.15
	Manbir Thami	125	125	30.95	24	742.90
	Manbir Thami	70	125	17.33	24	416.02
135	Chitra Bdr Thami	200	105	41.60	22	915.25
137	Bhadra Bdr Thami	26	105	5.41	22	118.98
139	Balman Thami	45	105	9.36	22	205.93
	Balman Thami	40	105	8.32	22	183.05
141	Man Bdr Karki	15	105	3.12	22	68.64
142	Talak Bdr Thami	8	105	1.66	22	36.61
	Talak Bdr Thami	15	105	3.12	22	68.64
145	Kesar Bdr Karki	80	105	16.64	22	366.10
146	Pahalman Thami	70	105	14.56	22	320.34
	Pahalman Thami	30	105	6.24	22	137.29
85	Narmaya Thami	133	105	27.67	22	608.64
	Narmaya Thami	95	105	19.76	22	434.74
147	Dhanman Thami	30	105	6.24	22	137.29
148	Purnasing Thami	175	105	36.40	22	800.84
	Bhakta Bdr Thami	50	105	10.40	22	228.81
149	Jangabir Thami	538	105	111.91	22	2462.02
150	Tikaram Thami	51	105	10.61	22	233.39
	Tikaram Thami	240	105	49.92	22	1098.30
151	Purnamaya Thami	70	105	14.56	22	320.34
152	Khel Bdr Thami	20	105	4.16	22	91.53
153	Khadka Bdr Thami	76	105	15.81	22	347.80
	Khadka Bdr Thami	44	105	9.15	22	201.36
	Khadka Bdr Thami	30	105	6.24	22	137.29
	Khadka Bdr Thami	35	105	7.28	22	160.17
	Khadka Bdr Thami	37	105	7.70	22	169.32
	Khadka Bdr Thami	111	105	23.09	22	507.96
154	Karna Bdr Thami	60	105	12.48	22	274.58
156	Manmaya Thami	150	105	31.20	22	686.44
	Manmaya Thami	20	105	4.16	22	91.53
158	Bal Bdr Thami	80	105	16.64	22	366.10
155	Lokman Thami	80	105	16.64	22	366.10
	Bimala Thami	45	125	11.14	24	267.44
	Bimala Thami	65	125	16.10	24	386.31
144	Dhan Bdr Thami	8	105	1.66	22	36.61
	Dhan Bdr Thami	55	125	13.62	24	326.88
156	Rana Bdr Thami	57	105	11.86	22	260.85
159	Bhim Bdr Thami	95	105	19.76	22	434.74

HH	HH Head	New Cutting	Per Ropani Production	Total Production	Rate	Total Cost
160	Nar Bdr Thami	10	105	2.08	22	45.76
161	Daksha Kumar Thami	12	105	2.50	22	54.92
162	Maniram Thami	534	105	111.08	22	2443.72
	Maniram Thami	318	105	66.15	22	1455.25
163	Dhun Bdr Thami	35	105	7.28	22	160.17
164	Buddhiman Thami	35	105	7.28	22	160.17
165	Dal Bdr Thami	41	105	8.53	22	187.63
166	Lachuman Kami	15	105	3.12	22	68.64
167	Ranabir Kami	81	105	16.85	22	370.68
	Ranabir Kami	55	105	11.44	22	251.69
168	Dal Bdr Thami	55	105	11.44	22	251.69
169	Laalbir Thami	145	105	30.16	22	663.56
	Mansing Thami	40	105	8.32	22	183.05
170	Dal Bdr Thami	15	105	3.12	22	68.64
	Dal Bdr Thami	45	105	9.36	22	205.93
171	Narmaya Thami	35	125	8.67	24	208.01
						123195.06

# Recommendation Letters

Appendix IV

# Public Consultation Minutes

Appendix V

# Summary of Resettlement Plan in Nepali

Appendix VI



# Cadastral Survey Report

Appendix VII

# **Topographic Map of Road Alignment**

Appendix VIII

# **Voluntary Donation Consent Papers**

Appendix IX