

Environmental Compliance Monitoring Report

Semi-Annual Report No. 7

Loan/Grant Number: 2796 NEP/0267 NEP
July-December, 2016

Nepal: Decentralized Rural Infrastructure and Livelihood Project- Additional Financing

Prepared by the Government of Nepal for the Asian Development Bank.

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Environmental Monitoring Report

**Seventh Biannual Report
July-December, 2016**

NEP: Decentralized Rural Infrastructure and Livelihood Project – Additional Financing

**ADB Loan No. 2796 NEP (SF) & Grant No. 0267 NEP (SF); OFID Loan No. 1442 and
SDC TA**

**Prepared by Decentralized Rural Infrastructure and Livelihood Project Additional
Financing for the Government of Nepal and the Asian Development Bank**

CURRENCY EQUIVALENTS

	30 December 2016		
Currency unit	–	Nepalese Rupee (NRs)	
NRs. 1.00	=	\$ 0.009150805	
US \$ 1.00	=	NRs. 109.28	

ABBREVIATIONS

ADB	Asian Development Bank
BG	Building Group
BoQ	Bill of Quantity
BS	Bikram Sambat (Nepali Calendar)
CFUG	Community Forest Users Group
CISC	Central Implementation Support Consultant
DDC	District Development Committee
DDR	Due Diligence Report
DFO	District Forest Officer
DISC	District Implementation Support Consultant
DoLIDAR	Department of Local Infrastructure Development and Agricultural Roads
DPO	District Project Office
DPR	Detail Project Report
DRILP AF	Decentralized Rural Infrastructure and Livelihood Project Additional Financing
DTO	District Technical Office
EMP	Environmental Management Plan
FY	Fiscal Year
GoN	Government of Nepal
GRC	Grievance Redress Committee
IEE	Initial Environmental Examination
LBES	Labour based, equipment supported
MoFALD	Ministry of Federal Affairs & Local Development
MoFSC	Ministry of Forest and Soil Conservation
NRs	Nepali Rupees
PCU	Project Coordination Unit
SD	Safeguard Desk
SDC	Swiss Agency for Development and Cooperation
VWRCC	Village Works and Road Construction Committee

NOTES

- (i) The fiscal year (FY) of the Government of Nepal and its agencies ends on 16 July. FY before a calendar year denotes the year in which the fiscal year ends, e.g., FY 2016 ends on 16 July 2017.
- (ii) In this report, "\$" refers to US dollars.

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1. BACKGROUND

The Decentralized Rural Infrastructure and Livelihood Project-Additional Financing (DRILP-AF) is a project being implemented by loan and grant assistance from the Asian Development Bank (ADB), loan assistance from OFID and technical and grant assistance from Swiss Agency for Development and Cooperation (SDC), counterpart funding from Government of Nepal (GoN), participating districts and contributions from project beneficiaries. The goal of the project will be reduced rural poverty in 18 poor and remote hill and mountain district of Nepal¹. The project purpose will be widened access to social services and economic opportunities.

The project purpose will be achieved through the following outputs: (i) rural incomes uplifting through increased employment, skills training and improved access to credit for the rural poor, (ii) capacity building and decentralized governance, including addressing corruption concerns and (iii) fostering rural transport connectivity and complementary community infrastructure investments.

Department of Local Infrastructure Development and Agricultural Roads (DoLIDAR) is the executing agency for DRILP-AF supported sub-projects. The implementing arrangements are as following: DoLIDAR has established a Project Coordination Unit (PCU) in Kathmandu, headed by a project coordinator to coordinate all project activities. The PCU will be responsible for guiding and monitoring District Development Committees (DDCs) as they implement project components.

At the district level, project implementation will be the responsibility of the District Project Office (DPO) within the District Technical Office (DTO) of each DDC. Headed by District Team Leader, technical and social staff will support DPO as District Implementation Support Consultants (DISC). Overall back stopping support to the district will be provided by Central Implementation Support Consultants (CISC).

2. ENVIRONMENTAL SAFEGUARDS IN DRILP-AF

Environmental assessment is the primary administrative tool to integrate environmental considerations into decision-making to ensure that proposed development intervention will have minimal environmental impacts. DRILP-AF falls in “B” category project according to ADB Safeguard Policy Statement, 2009 and the road sub-projects under DRILP-AF are classified as district road core network (DRCN)² according to Nepal Rural Road Standard (2055 BS) 1st Revision, September 2012 of the DoLIDAR. Therefore, Initial Environmental Examination (IEE) for the sub-projects under DRILP-AF is mandatory in order to assess the environmental consequences of the rural road rehabilitation and construction activities and suggest appropriate, practical and site specific mitigation and enhancement measures. In this context, IEE reports have been prepared for the district road sub-projects in accordance with the environmental regulations (Environmental Protection Act, 1997 and Environmental Protection Rule, 1997) of GoN and also satisfying the ADB environmental procedures. These IEE reports of the road sub-projects have been approved by the MoFALD and concurrence is given by the ADB (please refer **Figure 1** for the location of the sub-projects in the districts). Likewise, due diligence report (DDR) has been

¹ The 18 project districts are Taplejung, Solukhumbu, Okhaldhunga, Ramechhap, Gorkha, Lamjung, Baglung, Myagdi, Jajarkot, Dolpa, Jumla, Mugu, Humla, Kalikot, Bajura, Baitadi, Bajhang and Darchula

² A Road within the district joining a VDC headquarter (HQ) or a growth centre to the district HQ directly or via other VDC(s), a neighbouring district HQ or the strategic road network is called “district road core network”. Other roads which are not included in this network are village road.

prepared for the ongoing projects with approved IEE for the completion of outstanding activities as a part of detail project report (DPR).

During the construction and rehabilitation of the road sub-projects, environmental monitoring is an important tool to ensure the compliance of mitigation measures and implementation of environmental management plan (EMP). This environmental monitoring report is being compiled and prepared for the whole DRILP-AF based on the monthly reports received from the districts, quarterly environmental reports from monitoring and evaluation section of CISC and field visit reports by the CISC Environmental Team.

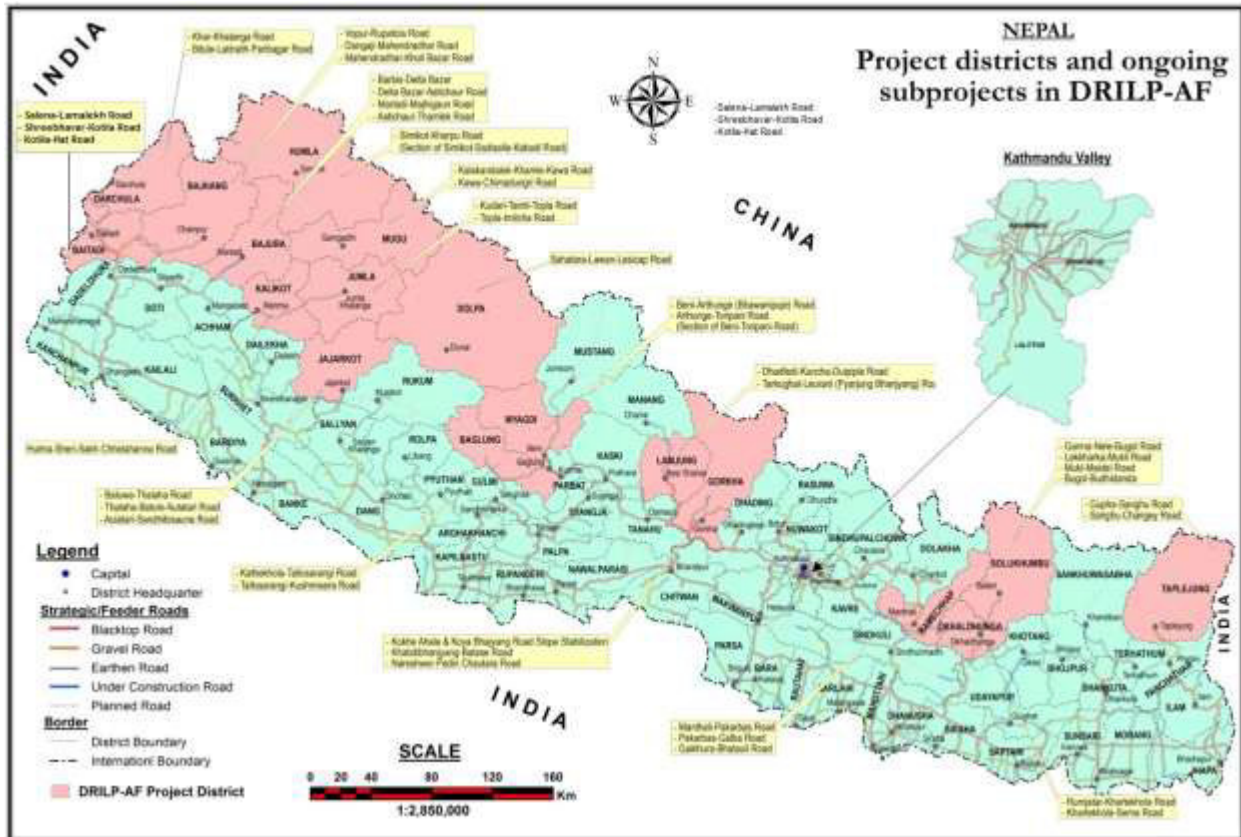


Figure 1: Map of Nepal showing the sub-projects in districts within DRILP-AF

3. CONSTRUCTION APPROACH

DRILP-AF applies labor based equipment supported (LBES) construction techniques to promote greater involvement of road building groups (BGs) in construction activities which will boost local jobs. LBES approach to road construction and maintenance means applying equipment support to construction tasks where the labor intensive approach has shown to be ineffective (e.g., rock breaking, transport of construction materials etc.) The LBES will improve the quality of construction and result in more sustainable transport benefits. However, heavy machines are also used in contractor's package where construction work is difficult by building groups.

4. OVERALL ENVIRONMENTAL SAFEGUARD STATUS

Total 40 Detail Project Reports have been approved by ADB including 17 IEE reports and 23 due diligence reports (DDRs). However, IEE of Nareswar-Padin Chautara road in Gorkha has been presented and final report submission incorporating comments to MoFALD for approval is still due (Please refer **Annex 1a** and **b** for status of environmental safeguard).

5. COMPLIANCE STATUS WITH ENVIRONMENTAL COVENANTS

There are 35 loan and grant covenants specified for this project. Environmental safeguard related project activities are in compliance with covenants as regular follow up actions are being taken according to approved DPR (Please refer **Annex 2** for details).

6. INSTITUTIONAL ARRANGEMENT

Regarding institutional arrangement, Grievance Redress Committee (GRC) has been formed in all 18 project districts to address overall safeguard related issues (environment, social and resettlement). Likewise safeguard desk (SD) has been established in all 18 project districts to implement and monitor safeguard issues associated with environment, social and resettlement aspects.

7. COMPLIANCE WITH ENVIRONMENTAL SAFEGUARD MEASURES

Overall environmental safeguard compliance of the project is improving. However, it is found that implementation of EMP is weak and not completely followed. Budget for mitigation measures have already been included in the project cost and BoQ. Please refer **Annex 3** for details about budget estimate for the implementation of environmental management plan. Following is summary of environmental compliances and details are given in **Annex 4** and **5**.

a) Awareness raising training

Awareness raising training has to be organized by each district before road construction. Budget for this has already been allocated (NRs. 2,425,000.00) and half day awareness raising orientation training program has been prepared and shared with district team. Participants of orientation training are field staff, Village Works and Road Construction Committee (VWRCC) members, BG naika (leader) and one female member from each BG as well as contractors. So far, nine districts have organized nineteen awareness raising training to total 1,997 participants (please refer **Table 1**).

Table 1: Half day orientation training

S.N.	District	Number of events	Number of participants
1	Taplejung	1	508
2	Solukhumbu	1	50
3	Ramechhap	3	47
4	Lamjung	2	98
5	Baglung	4	92
6	Jumla	1	50

S.N.	District	Number of events	Number of participants
7	Kalikot	1	144
8	Mugu	3	900
9	Bajura	3	108
Total		19	1,997

b) Life skill Training

Improving the rural livelihood through vocational skill development trainings to the project beneficiaries is one of the major components of DRILP-AF. Till now, project has given life skill training to 2,740 persons (31% female & 69% male and DAGs are 57% of total) in 26 different trades from all the project districts as given in **Table 2**. All the trainees have to pass NSTB skill test. So far 1,050 trainees have passed this test and those who have already appeared in the examination are waiting for results. Life skill effectiveness study has shown that about one third (29.44%) of the trained graduates have got employment. Please refer **Annex 6** for case studies.

Table 2: Number of participants in various life skill training conducted

SN	Trade	Number of course completed trainees		
		Female	Male	Total
1	Automobile Mechanics	0	30	30
2	Bakery	1	0	1
3	Bamboo Handicraft	0	2	2
4	Beautician	97	0	97
5	Bee Keeping	0	1	1
6	Building Electrician	8	177	185
7	CLA	4	14	18
8	Computer Operator	129	157	286
9	Construction Carpenter	0	25	25
10	Dental Chair Side Assistant	1	2	3
11	E.R.B.T.C	3	96	99
12	Furniture Maker	0	86	86
13	Indian Cook	8	60	68
14	Jr. Computer Hardware Technician	6	40	46
15	Light Vehicle Driving	3	399	402
16	Mason	15	374	389
17	Micro Hydro Assistant	0	2	2
18	Mobile Repairer	3	168	171
19	Motorcycle Mechanics	0	18	18
20	Nursery Assistant	0	25	25
21	Off Season Vegetable	46	60	106
22	Plumber	1	79	80

SN	Trade	Number of course completed trainees		
		Female	Male	Total
23	Poultry Farming	0	2	2
24	Radio/TV Repairer	0	2	2
25	Tailoring	526	68	594
26	Three Phase Electrician	0	2	2
	Total	851	1,889	2,740

c) Tree loss and Compensatory plantation

DRIKP-AF road sub-projects pass through 89 community forests (CFs), 16 national forests (NFs) and private land with total tree loss of 73,837 (12,434 trees from forest area and 61,403 trees from private land).

Compensatory plantation (CP) of 432,208 seedlings (318,045 seedlings in forest area and 114,163 in private land) has been targeted at the ratio of 1:25 plants in forest area (CF & NF) and 1:1 plants in private land with total estimated cost of NRs. 27,926,508.81. In three sub-projects (Sanghu-Changey road of Taplejung, Rumjatar-Khartekhola road of Okhaldhunga and Tallo Sarange-Kushmisera road sub-project of Baglung districts), plantation ratio in private land is at the ratio of 1:3. Area wise, approximately 199 ha of plantation is due in forest area and 92 ha of plantation target have been achieved in forest area according to the plantation norms of the Ministry of Forest and Soil Conservation (MoFSC) excluding road side plantation. Overall, DRILP-AF has achieved 38% of targeted compensatory plantation (Please refer **Table 3** and **Annex 3** for details).

There is no tree loss from Thulo Salghari CF (Nareshwor-Padin Chautara Road, Gorkha), Tallo Sarangi Takuri CF and Dandakharka CF (Kathekhola-Tallo Sarange Road, Baglung), Ramche Eklepipal CF and Sanosalleri CF (Bhawanipujne-Toripani Road, Myagdi), Nainaldev CF (Hulma-Sheri-Sakh-Chhehanna Road, Kalikot), Okhalkate CF (Shreebhavar-Kotila Road, Baitadi). Similarly, there is no tree loss at Kokhe Ahale and Koyabhanjyang slope stabilization. Till date, compensatory plantation in the forest area and private land has been done in 16 sub-projects in 12 districts (Solukhumbu, Okhaldhunga, Ramechhap, Myagdi, Jajarkot, Dolpa, Jumla, Kalikot, Mugu,

Box 1: Compensatory Plantation Overview

Out of 18 districts, only Kalikot district has planted the targeted seedlings; 11 districts have planted targeted seedlings partially and 6 districts have no plantation.

Considering tree loss from private land, there is no tree loss in 2 sub-project, full achievement in 6, and partial in 2 and none in 29 sub-projects. Out of 16 NF, there is no progress in 14 NF and target has been achieved successfully in 2 NF only. Achievement in CF is comparatively satisfactory in comparison to private land and NF. Among 89 CF, compensatory plantation target has been achieved fully in 36 CF, partially in 4 CF and null in 42 CF. There is no tree loss in 7 CF.

Bajhang, Bajura, Baitadi). Regarding compensatory plantation, there is no progress at all in Taplejung, Gorkha, Lamjung, Baglung, Humla and Darchula. Martadi-Majhigaon Road and Barbis-Deltabazar Road of Bajura, Hulma-Sheri-sakh-Chhelahana Road of Kalikot, Kudari-Tamti Road of Jumla have achieved 100% plantation target. Remaining sub-projects of Solukhumbu,

Okhaldhunga, Ramechhap, Myagdi, Jajarkot, Dolpa, Jumla, Mugu, Bajhang, Bajura and Baitadi have achieved compensatory plantation target partially only (Please refer **Annex 4** for details).

In addition, road side plantation has been planned for each sub-project with the allocation of total budget of NRs. 4,019,500.00. However, road side plantation (total 1,120 seedlings) has been done in only few districts viz. Mugu district (400 seedlings), Okhaldhunga district (520 seedlings) and Taplejung district (200 seedlings), Please refer **Annex 5** for details.

Table 3: Compensatory plantation target versus progress in the districts

Land use		Tree loss (Number)	Compensatory Plantation (Number)		Percentage
			Targeted	Achieved	
Forest Area	NF	2,327	59,308	1,250	2.108
	CF	10,107	258,737	145,869	56.377
	Total	12,434	318,045	147,119	46.257
Private Land		61,403	114,163	17,103	14.981
Total		73,837	432,208	164,222	37.996

CISC is also providing backstopping support to district teams for carrying out compensatory plantation works before monsoon. Plantation agreement has been included in DPR (DDR and IEE) of each sub project. In addition, plantation plan has been prepared and sent to districts as given in **Annex 7**.

During pre-feasibility and feasibility survey of roads, forests couldn't be avoided as almost all the road sub-projects are continuation of existing roads. However, precautions have been taken to fell the trees within the formation width of the road only. Moreover, trees on the valley side are being saved even if they fall within the formation width subject to the enough width for smooth flow of vehicles.

d) Forestry clearance

According to Forest Act, 2049 BS (1993) and Government of Nepal: Work Procedure for Providing the Forest Land for Other Use, 2063 B.S and Standard for Removing Government Trees, 2071 BS, forestry clearance has to be obtained from the MoFSC if the road sub-projects passes through the forest area. Most of the DRILP-AF sub-projects pass through national and community forests (89 CFs and 16 NFs) and need to obtain forestry clearance. CISC has oriented to district team to initiate forestry clearance and also coordinating with central authority (Department of Forest, MoFSC and National Planning Commission) about forestry clearance process. Till date, forestry clearance process has been done for Garma-Nele-Bogal road sub-project in Solukhumbu district and Tarkughat-Leurani (Pyarjung Bhanjyang) road sub-project in Lamjung district. Similarly, forestry clearance is in process on Baglung-Kusmisera road sub-project in Baglung district, Khartekhola-Serna (Sewa Kendra) road sub-project in Okhaldhunga district, Aatichaur-Thamlek road sub-project in Bajura district.

e) Spoil management

Spoil disposal sites have been identified and provision of toe walls are given in the detail project design report. Spoils are being managed in specified disposal sites as far as possible. However,

progress in spoil management is not encouraging. So far, 13 districts (Taplejung, Solukhumbu, Okhaldhunga, Ramechhap, Gorkha, Myagdi, Jajarkot, Dolpa, Jumla, Kalikot, Bajura, and Bajhang & Darchula) have reported construction of 151 toe walls (volume of 9,183.218 m³) and 143,100.06 m³ spoils have been managed so far.

Even though cut and fill balance is an appropriate approach for spoil management but it is very difficult to manage spoil in the hilly terrain where almost all the roads of DRILP-AF are passing. It has been tried to manage spoils by disposing in identified disposal sites and providing toe walls as far as possible. Districts prepare spoil management plan to balance cut and fill volume with provision for appropriate haulage distance, spoil disposal sites and toe walls.

f) Drainage management

Adequate and appropriate numbers of drainage structures are being provided in order to minimize interference and impact on natural drainage pattern of the area. Likewise, surface water discharge into farmland or risky locations and blockage or diversion of natural channels due to construction of road and disposal of spoils has been avoided. No incidents of blockage of natural streams have been reported from the districts.

g) Slope stabilization and bioengineering activities

Unstable slopes have been identified and total NRs. 67,142,875.72 has been estimated for bioengineering activities on actual cost estimate basis. Bioengineering has been done in Solukhumbu, Okhaldhunga, Jajarkot, Mugu and Bajura districts only. Total 2,536 m and 26,561 m² of area have been stabilized with bio-engineering works (brush layering, plantation).

Box 2: Plantation activities in Dolpa

Dolpa district had to plant 2,020 seedlings in Thala CF as compensatory plantation. However, coordination between DDC/DFO/CFUGs has chosen Masta Bhawani CF at Dunai Municipality ward 2 & 3.

They use the budget (NRs. 2,998,417) allocated for bio-engineering to plant 15,000 seedlings as compensatory plantation

h) Rehabilitation of community infrastructures and cultural and religious sites

Drinking water supply pipeline, electric pole and irrigation canals have been rehabilitated in Bajura district. Similarly, temple has been shifted in Jumla district and temple protection, foot step construction and irrigation canal rehabilitation have been done in Darchula district, footsteps, water tank have been rehabilitated in Ramechhap (Refer **Annex 1** for detail). In other districts, cost estimate has already been done to rehabilitate affected infrastructures. Rehabilitation cost has been included in the Resettlement Plan.

i) Quarry site management

In some districts, quarries are not being operated as excavated materials during road construction are being used. For the use of quarry sites, district prepares quarry operation plan and quarrying is done from the environmentally suitable and legally recognized sites.

j) Camp Site Management

Drinking water and sanitary facilities (toilets) are provided in the camps for contractor package as BG members are usually coming from their homes for construction works and return same evening. In camps, workers use fuel wood for cooking purpose which is obtained from local market.

k) Occupational health and safety

Occupational health and safety measures have been partially followed. BGs members and workers have been provided with safety gears like helmet, facemasks, goggles etc in most of the districts. However, these items are in limited quantity and not sufficient for all the workers. Safety gears need to be provided to all workers and staff working at the construction site including the external supervisory staff during monitoring. They need to be educated about the importance and use of safety gears.

Workers are also given first aid kit with medicines. Group accidental insurance has been done for all the workers in all the project districts where construction work is going on. Thirteen people sustained injuries during road construction and insurance claim process has already been started.

l) Signboard placing (erection)

Seventeen districts have placed (erected) 186 signboards at various places (spots) of the road with environmental information and notice. Number of signboards ranges from 1 to 32 per sub-project (please refer **Figure 2**). Signboard templates with content and necessary instructions/specification have already been sent to all districts through PCU maintaining consistency and NRs. 2,430,000.00 budget has been allocated.



Figure 2: No. of Signboard along the roads

m) Grievances received and addressed

GRC has been formed in all districts. So far, 143 grievances have been reported from the districts and solved. Most of the grievances are related to loss of trees and crops due to spoil disposal, effect on structures and missing plot, few grievances are related to compensatory plantation payment, lack of coordination with CFUG. Details on grievances are shown in **Annex 8** and **Figure 3**.

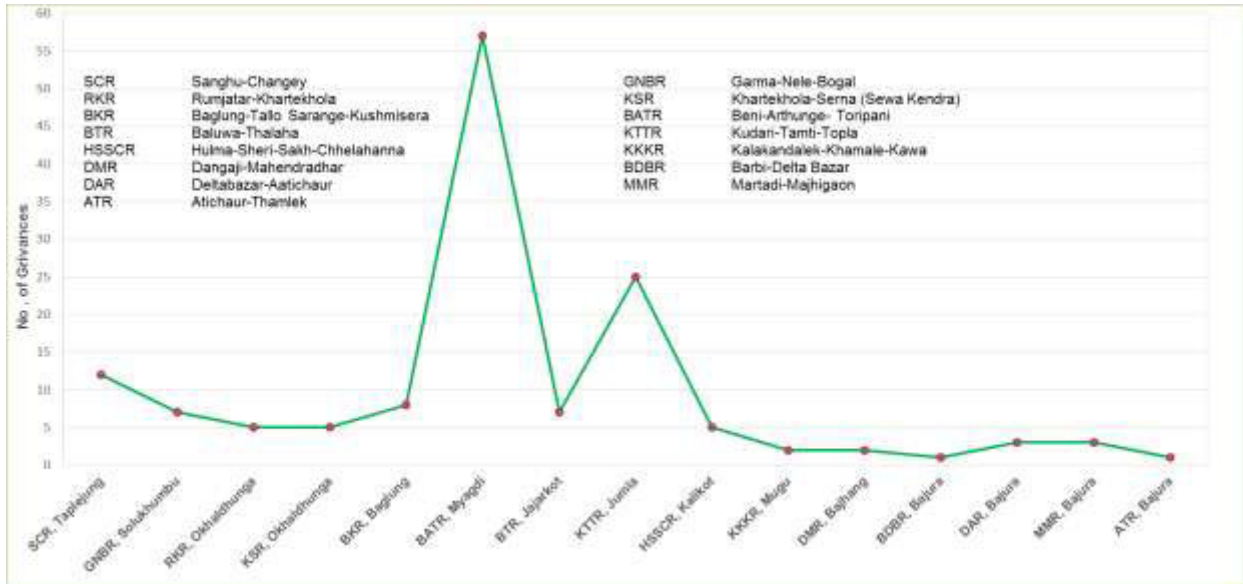


Figure 3: Grievances received and addressed.

n) **Safeguard desk meeting**

Safeguard Desk monthly meetings have been convened by fifteen districts except Humla and Myagdi. Total 46 safeguard desk meetings were conducted ranging from 1 to 17 meetings per district with highest number of meeting in Okhaldhunga district. It is expected that all the districts will held regular monthly meeting and send reports (please refer **Annex 9** for Reporting format)

o) **EMP implementation, monitoring, reporting and field visit**

EMP implementation and monitoring in the district is weak and given less priority by the district team. Environmental monitoring format has been sent to districts as given in **Annex 10**. Environmental monitoring is also done by the CISC team during field visits. For central level monitoring, MoFALD is discussing to involve academic institutions. Moreover, there is provision to carry out independent third party monitoring for each sub project. In this regard, PCU has to form independent monitoring team for environmental monitoring of the sub-projects where the construction work is going on. Total budget of NRs. 10,686,000.00 has been allocated for monitoring activities.

Field visits were made by CISC team to provide technical back stopping support and monitor the implementation of EMP. In addition, environmental orientating has been given to district/field staff for effective implementation, monitoring and reporting. Field visit reports with action plans were sent to districts (DDC/DTO/DPO/DISC) for follow up actions. Following **Table 4** gives the list of sub-projects visited by CISC environmental team on chronological order:

Table 4: Date and name of districts visited by CISC Environmental Team

SN	Date	District and sub-project
1	23-25 August, 2016	Tarkughat-Leurani Road Sub-project in Lamjung district
2	12-14 September, 2016	Galpa-Pakarbas and Gaikhur-Bhatauli Road Sub-project in Ramechhap district
3	18-23 September, 2016	Kotila-Hat Road Sub-project in Baitadi district

8. ISSUES AND WAY FORWARD

Table 5 shows the main environmental issues and way forward for the effective implementation of environmental safeguard measures.

Table 5: Corrective Actions and Way Forward

SN	Issues	Way forward
1	Haphazard spoil disposal causing damage to land below the road	Spoil disposal at designated sites and provision of sufficient toe walls and preparation and strict enforcement of spoil disposal management plan.
2	Implementation of bioengineering work for slope protection at limited locations	Carrying out bioengineering activities in all districts and assigning a focal person for this work in each district.
3	Compensatory plantation in 12 districts fulfilling one third plantation targets only	Carrying out compensatory plantation in massive scale to achieve required target in coordination with DFO/CFUGs.
4	Roadside plantation in only 3 districts with few seedlings	Carrying out road side plantation in all districts at appropriate sites
5	Proactive safeguard desk and regular monitoring and reporting from districts.	Establishing environment monitoring mechanism in the districts with proactive safeguard desk.
6	Partially fulfilled occupational health and safety requirements	Providing safety gears and first aid kit with medicines in adequate number. Supervision staff and workers need to be educated and enforced about the use of safety gears.
7	Central level and independent environmental monitoring	Conducting independent monitoring by PCU and coordination with MoFALD and DoLIDAR for conducting central level environmental monitoring.
8	Final approval of IEE of Nareswar-Padin Chautara road in Gorkha district	Incorporation of MoFALD comments by DDC/PCU to get final approval from Ministry.

Annexes

Annex 1a : Status of Environmental Safeguard Planning Status

SN	Districts	Name of Project or Sub-project	Environmental screening is carried out? (Yes or No)	Environment category of the project / sub-project (A/B/C/FI)	EARF is prepared (if applicable) (Yes/No)	EIA/IEE/DR with EMP is prepared (Yes/No)	ADB approved EIA/IEE with EMP (Yes / Under Review / Not Yet Due/Over Due)	Government approved EIA/IEE with EMP (Yes / Under Review / Not Yet Submitted)	Safeguard monitoring and coordination mechanism established (Yes/No)	GRC is established (Yes/No)	Automated safeguard monitoring system customized (Yes/No)	EMP cost in approved document is included in BOQ as an individual item (Yes/No)	Remarks
1	Taplejung	Gupha-Sanghu	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	IEE approved during DRILP, DDR prepared
		Sanghu-Changey	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	IEE approved during DRILP, DDR prepared
2	Solukhumbu	Garma-Nele-Bogal	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Section of Garma- Nele-Budhidanda Road
		Lekakharka-Maidel	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE for 8 km length
3	Okhaldhunga	Maidel-Mukli	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
		Rumjatar-Khartekhola	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
4	Ramechhap	Khartekhola-Serna (Sewa Kendra)	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE Approved
		Pakarbas-Galba	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	
5	Gorkha	Gaikhura-Bhatauli	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Kokhe Ahale & Koya Bhanjyang Slope Stabilization	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
6	Lamjung	Khabdibhanjyang-Batase	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Nareshwor-Padin Chautara	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE sent to MOFALD
7	Baglung	Sundarbazaar-Kunchha-Duipipale	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Part of Sundarbazaar-Kunchha Road
		Tarkughat-Leurani (Pyarjung Bhanjyang)	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
8	Myagdi	Katkehkhola-Tallo Sarange	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Section of Baglung-Kushmisera Road
		Tallo Sarange-Kushmisera	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Section of Baglung-Kushmisera Road
9	Jajarkot	Beni-Arthunge (Bhawanipujne)	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Beni- Pakahpani Road, IEE approved, EMP prepared
		Bhawanipujne-Toripani	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Beni- Pakahpani Road, IEE approved, EMP prepared
10	Dolpa	Thalaha-Batule-Aulatari	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Baluwa-Thalaha	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
11	Jumla	Aulatari-Sandhibisauna	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Sahartara-Lasicap	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Section of Dunai-lasicap-Dho
12	Kalikot	Kudari-Tamti-Topla	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	DDR prepared and approved
		Topla-Imilcha	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE Approved
13	Mugu	Hulma-Sheri-Sakh-Chhelahanna	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Kalakandalek-Khamale-Kawa	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	DDR prepared and approved
14	Humla	Kawa-Chimadungri	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Simikot-Kharpu	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
15	Bajhang	Vopur-Rupatola	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
		Dangaji-Mahendradhar	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
16	Bajura	Mahendradhar-Kholibazar	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Barbi-Delta Bazar	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Section of Barabis-Aatichaur Road
17	Baitadi	Deltabazar-Aatichaur	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Section of Barabis-Aatichaur Road
		Martadi-Majhigaon	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
18	Darchula	Atichaur-Thamlek	✓	B	✓	IEE	✓	✓	✓	✓	✓	✓	IEE approved
		Salena-Lamalekh	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	Section of Salena -Melauli
		Shreebhar-Kotila	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
		Kotila-Hat	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
		Khar-Khalanga	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	
		Bitule-Latinath-Paribagar	✓	B	✓	DDR	✓	✓	✓	✓	✓	✓	

Note: EIA- Environmental Impact Assessment; IEE- Initial Environmental Examination; DDR- Due Diligence Report; EMP- Environmental Management Plan, GRC- Grievance Redress Committee; BOQ- Bill of Quantity

Annex 1b: Environmental Safeguard Implementation Status

SN	Districts	Name of Subproject	Compliance to Environmental Management Plan*													Grievances			Corrective Action Plans are prepared and implemented (Y/N)	Env compliance reporting is maintained (Y/N)	Remarks			
			Physical			Biological				Socio-economic						Other as per EMP (specify)*	Nos of grievances documented	No of grievances resolved				No of grievances under processing		
			Spoil Management (compliance in %)**	Landslide protection with Bio-eng (compliance in %)**	Drainage Management (compliance in %)*	per EMP (specify)*	Quarry Site Management (Y/N/NA)	Compensatory Plantation Target (Nos.)	Planted (Nos.)	Firewood is used for cooking and heating (Y/N)	Other as per EMP (specify)*	Road side Plantation (Nos.)	Occupational Health and Safety Gears are sufficient and used (Y/N)	Labors are insured (Y/N)	and work camps are healthy and have								Community structure 1	Community structure 2
1	Taplejung	Gupha-Sanghu Sanghu-Changey	50			NA	62 56,498	- -	Y Y		Y 200	Y Y	Y Y					12	12		N	Y		
2	Sotukhumbu	Garma-Nele-Bogal Lokakharka-Maidel Maidel-Mukli				NA	41,360 930 1,790	40,997 - -	Y Y Y		Y Y Y	Y Y Y	Y Y Y					7	7			Y		
3	Okhaldhunga	Rumjatar-Khartekhola Khartekhola-Sema (Sewa Kendra)	95	70		Y	24,951 10,436	14,841 1,760	Y Y		520	Y Y	Y Y	Irrigation canal				5	5			Y		
4	Ramechhap	Pakarbas-Galba Gaikhura-Bhatauli	80	60	70.00	Y	11,349 8,559	5,000 -	Y Y		Y Y	Y Y	Y Y	Intake+Storage Tank Foot steps	Kuwa+Sahutole Tap and Siddha Kuwa Foot Steps, Water Spring, Water Pond							Y	Y	
5	Gorkha	Kokhe Ahale & Koya Bhanyang Slope Stabilization Khabdibhanyang-Batase Nareshwor-Padin Chautara	100	100		NA	- 523 -				Y Y	Y Y	Y Y									Y	Y	
6	Lamjung	Sundarbazaar-Kunchha-Duipipale Tarkughat-Leurani (Pyarjung Bhanyang)					65 15,443				Y	Y	Y									Y		
7	Baglung	Kathekhola-Tallo Sarange Tallo Sarange-Kushmisera	70	40		Y	1,256 6,497		Y		Y	Y	Y	foot steps				8	8			Y		
8	Myagdi	Beni-Arthunge (Bhawanipujne) Bhawanipujne-Toripani	65	40	50.00	Y	287 31,217		N		Y	Y	Y					57	57			Y		
9	Jajarkot	Thalaha-Batule-Aulatari Baluwa-Thalaha Aulatari-Sandhibisauna	50	70			8,002 13,372	16,825	Y		Y	Y	Y					7	7			Y		
10	Dolpa	Sahartara-Lasicap Kudari-Tamti-Topla	50	70	50		2,034 1,261	15,000 1,261	Y		Y	Y	Y		Sami bhawani				25	25			Y	Compensat
11	Jumla	Topla-Imilcha Hulima-Sheri-Sakh-Chhelahanna	90	90			3,900 2,153					Y	Y									Y		
12	Kailkot	Kalakandalek-Khamale-Kawa Kawa-Chimadungri		50			5,014 34,188	600			400	Y	Y	Y				2	2			Y		
13	Mugu	Simikot-Kharpu Vopur-Rupatola					1,722 7,654	6,700			Y	Y										Y		
14	Humla	Dangaji-Mahendradhar Mahendradhar-Kholibazar	50				25,510 19,229	13,260 18,750			Y	Y	Y					2	2			Y		
15	Bajhang	Barbi-Delta Bazar Dellabazar-Aatichaur	30	75			7,500 19,665	7,500			Y	Y	Y					1	1			Y		
16	Bajura	Martadi-Majhigaon Atichaur-Thamlek Salena-Lamalekh	70	100	80.00		12,760 20,210 10,478	12,760			Y	Y	Y	Drinking water	Irrigation canal			3	3			Y		
17	Baitadi	Shreebhavar-Kotila Kotila-Hat Khar-Khalanga	50			Y	6,796 7,070 2,942	4,200			Y	Y	Y									Y		
18	Darchula	Bitule-Latinath-Paribagar	75	65		Y	2,862				Y	Y	Y	Foot Steps	Water spring							Y		
Total							432,208	164,222			1,120							143	143					

Note: * Added field as guided by EMP in IEE/DDR, ** Written in percentage of compliance in a scale of 100%, *** type of community structures mentioned

Annex 2: Status of Compliance with Loan and Grant Covenants

Schedule	Paragraph No.	Description	Type	Complied (Yes or Not Yet Due or Ongoing or Partially Complied or Not Applicable)	If yes, Date Complied	Progress Status/Remarks
4	8	The Beneficiary shall not award any Works contract for a Sub-project which involves environmental impacts until DOLIDAR has: (a) obtained the approval of the IEE from the relevant environment authority of the Beneficiary, if necessary; and (b) incorporated the relevant provisions from the EMP into the Works contract.	Safeguards	Ongoing	From onset	a) Complied; IEEs approved by MoFALD b) Incorporated in Bid Document
5	9	The Beneficiary shall ensure, or cause DOLIDAR to ensure, that the preparation, design, construction, implementation, operation and decommissioning of the Project, each Sub-project, and all Project facilities comply with (a) all applicable laws and regulations of the Beneficiary relating to environment, health, and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.	Safeguards	Ongoing		Complied and being followed in IEE, EMP, RP, IPP, GESI AP all incorporated in DPR, After approval of DPR by ADB Implemented as per DPR
5	13	The Beneficiary shall make available, or cause DOLIDAR to make available necessary budgetary and human resources to fully implement the EMP, the RP and the IPP.	Safeguards	Ongoing		Noted, prepared EMP, RP and IPP and being followed during implementation
5	14	Safeguards – Related Provisions in Bidding Documents and Works Contracts : The Beneficiary shall ensure, or cause DOLIDAR to ensure, that all bidding documents and contracts for Works contain provisions that require contractors to: (a) comply with the measures and requirements relevant to the contractor set forth in the IEE, the EMP, the RP and the IPP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set out in a Safeguards Monitoring Report;	Safeguards	Yes		Incorporated and considered in DPR document, and followed in implementation

Schedule	Paragraph No.	Description	Type	Complied (Yes or Not Yet Due or Ongoing or Partially Complied or Not Applicable)	If yes, Date Complied	Progress Status/Remarks
		(b) make available a budget for all such environmental and social measures; and (c) provide the Beneficiary with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, the RP or the IPP.				
5	15	The Beneficiary shall cause DOLIDAR to do the following: (a) submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; (b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, the RP or the IPP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and (c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMP, the RP or the IPP promptly after becoming aware of the breach.	Safeguards	Ongoing		Noted and being followed. Prepared safeguard related (EMP, RP, IPP & GESI-AP) compliance with the measure report and submitted along with quarterly report
5	23	The Beneficiary shall make available, through budgetary allocations or other means, all counterpart funds required for the timely and effective implementation of the Project including any funds required to make land available for the Project, to mitigate environmental and social impacts, and to meet additional costs arising from design changes, price escalation in construction costs and/or other unforeseen circumstances.	Financial	Ongoing		Followed

Annex 3: Environmental Management Cost (NRs)

S.N	Name of District	Sub-Project	Compensatory plantation (community forest)			Compensatory plantation (national forest)			Compensatory plantation (private land)			Total Compensatory plantation			Road-side plantation	Total plantation cost including road side plantation (A)	Bio-engineering cost (B)	Env. Monitoring cost (C)	Other cost (Awareness raising, training, signboards) (D)	Total cost (A+B+C+D)
			Trees loss	Trees for Plantation	Est. Cost (NRs.)	Trees loss	Trees for Plantation	Est. Cost (NRs.)	Trees loss	Trees for Plantation	Est. Cost (NRs.)	Trees loss	Trees for Plantation	Est. Cost (NRs.)	Est. Cost (NRs.)					
1	Taplejung	Gupha-Sanghu	-	-	-	-	-	-	62	62	2,254.00	62	62	2,254.00	50,000.00	52,254.00	1,078,101.66	500,000.00	50,000.00	1,680,355.66
		Sanghu-Changey	-	-	-	98	2,450	214,789.13	18,016	54,048	527,136.42	18,114	56,498	741,925.55	50,000.00	791,925.55	3,286,324.45	374,000.00	100,000.00	4,552,250.00
2	Solukhumbu	Gamma-Nele-Bogal	1,387	38,143	2,802,709.49	-	-	-	3,217	3,217	114,090.58	4,604	41,360	2,916,800.07	100,000.00	3,016,800.07	2,218,646.39	285,000.00	100,000.00	5,620,446.46
		Lekakharka-Maidel	-	-	-	-	-	-	930	930	34,707.20	930	930	34,707.20	50,000.00	84,707.20	1,059,723.16	190,000.00	150,000.00	1,484,430.36
		Maidel-Mukil	-	-	-	-	-	-	1,790	1,790	112,680.50	1,790	1,790	112,680.50	50,000.00	162,680.50	1,163,483.96	170,000.00	150,000.00	1,646,164.46
3	Okhaldhunga	Rumjatar-Khartekhola	172	4,731	313,192.20	-	-	-	6,740	20,220	632,886.00	6,912	24,951	946,078.20	50,000.00	996,078.20	2,051,791.69	285,000.00	50,000.00	3,382,869.89
		Khartekhola-Sema (Sewa Kendra)	60	1,500	152,115.00	169	4,225	428,457.25	4,711	4,711	284,167.52	4,940	10,436	864,739.77	285,000.00	1,149,739.77	2,500,000.00	150,000.00	150,000.00	3,949,739.77
4	Ramechhap	Pakarbas-Galba	349	8,725	614,676.00	-	-	-	2,624	2,624	88,323.84	2,973	11,349	702,999.84	50,000.00	752,999.84	3,769,377.00	390,000.00	150,000.00	5,062,376.84
		Gaikhura-Bhatauli	339	8,475	648,337.50	-	-	-	84	84	3,111.36	423	8,559	651,448.86	50,000.00	701,448.86	1,028,438.92	312,500.00	150,000.00	2,192,387.78
5	Gorkha	Kokhe Ahale & Koya Bhanjyang Slope Stabilization	-	-	-	-	-	-	-	-	-	-	-	50,000.00	50,000.00	3,798,870.83	57,500.00	50,000.00	3,956,370.83	
		Khabdibhanjyang-Batase	-	-	-	-	-	-	523	523	19,727.56	523	523	19,727.56	50,000.00	69,727.56	3,798,870.83	390,000.00	150,000.00	4,408,598.39
		Nareshwor-Padin Chautara	-	-	-	-	-	-	-	-	-	-	-	149,500.00	149,500.00	545,965.00	150,000.00	250,000.00	1,095,465.00	
6	Lamjung	Sundarbazaar-Kunchha-Duipipale	-	-	-	-	-	-	65	65	2,297.75	65	65	2,297.75	50,000.00	52,297.75	124,606.45	285,000.00	50,000.00	511,904.20
		Tarkughat-Leurani (Pyarjung Bhanjyang)	570	14,250	1,188,022.50	23	575	47,937.75	618	618	24,985.74	1,211	15,443	1,260,945.99	150,000.00	1,410,945.99	1,324,815.20	390,000.00	650,000.00	3,775,761.19
7	Baglung	Katkekhol-Tallo Sarange	-	-	-	-	-	-	1,256	1,256	46,522.24	1,256	1,256	46,522.24	50,000.00	96,522.24	3,155,168.94	211,000.00	50,000.00	3,512,691.18
		Tallo Sarange-Kushmisera	65	1,625	168,918.75	-	-	-	1,624	4,872	210,811.44	1,689	6,497	379,730.19	50,000.00	429,730.19	195,000.00	50,000.00	674,730.19	
8	Myagdi	Beni-Arthunge (Bhawanipujne)	95	2,615	165,278.88	-	-	-	4,948	4,948	25,920.80	5,043	7,563	191,199.68		191,199.68	631,000.00	80,500.00	55,000.00	957,699.68
		Bhawanipujne-Torpani	7	175	14,589.75	-	-	-	112	112	4,613.28	119	287	19,203.03	50,000.00	69,203.03	2,968,576.70	336,500.00	200,000.00	3,574,279.73
9	Jajarkot	Thalaha-Batule-Aulatar	1,198	29,950	1,928,660.20	39	975	62,786.10	292	292	8,841.90	1,529	31,217	2,000,288.20	50,000.00	2,050,288.20	2,513,780.47	390,000.00	115,000.00	5,069,068.67
		Balua-Thalaha	320	8,000	775,680.00	-	-	-	2	2	116.02	322	8,002	775,796.02	285,000.00	1,060,796.02	1,168,458.82	150,000.00	200,000.00	2,579,254.84
		Aulatar-Sandhibisauna	530	13,250	1,284,720.00	-	-	-	122	122	7,077.22	652	13,372	1,291,797.22	285,000.00	1,576,797.22	1,925,000.00	150,000.00	200,000.00	3,851,797.22
10	Dolpa	Sahartara-Lasicap	80	2,020	170,892.00	-	-	-	14	14	575.40	94	2,034	171,467.40	50,000.00	221,467.40	2,191,950.00	435,000.00	150,000.00	2,998,417.40
		Kudari-Tamti-Topla	20	550	46,073.50	10	275	23,036.75	436	436	17,919.60	466	1,261	87,029.85	80,000.00	167,029.85	1,102,075.11	200,000.00	100,000.00	1,569,104.96
11	Jumla	Topla-Imilcha	-	-	-	139	3,475	400,980.25	425	425	28,717.25	564	3,900	429,697.50	285,000.00	714,697.50	1,574,043.65	150,000.00	200,000.00	2,638,741.15
12	Kalikot	Hulma-Sheri-Sakti-Chihelahanna	72	1,800	174,528.00	-	-	-	353	353	20,477.53	425	2,153	195,005.53	50,000.00	245,005.53	6,151,010.63	390,000.00	150,000.00	6,936,016.16
13	Mugu	Kalakandalek-Khamale-Kawa	175	4,813	391,441.00	-	-	-	201	201	7,990.00	376	5,014	399,431.00	50,000.00	449,431.00	753,000.00	260,000.00	150,000.00	1,612,431.00
14	Humla	Kawa-Chimadungri	-	-	-	1,322	33,050	2,897,493.50	1,138	1,138	49,639.56	2,460	34,188	2,947,133.06	50,000.00	2,997,133.06	1,042,687.46	435,000.00	150,000.00	4,624,820.52
		Simikot-Kharpu	61	1,525	152,713.50	5	125	12,517.50	72	72	4,295.52	138	1,722	169,526.52	285,000.00	454,526.52	1,091,269.33	150,000.00	200,000.00	1,896,795.85
15	Bajhang	Vopur-Rupatola	286	7,150	486,486.00	-	-	-	504	504	16,284.24	790	7,654	502,770.24		502,770.24		280,000.00	50,000.00	832,770.24
		Dangaji-Mahendradhar	1,016	25,400	1,804,670.00	-	-	-	110	110	3,740.00	1,126	25,510	1,808,410.00	50,000.00	1,858,410.00	3,365,800.94	390,000.00	150,000.00	5,764,210.94
		Mahendradhar-Kholibazar	755	18,875	1,710,263.75	-	-	-	354	354	19,370.88	1,109	19,229	1,729,634.63	285,000.00	2,014,634.63	3,861,631.45	150,000.00	200,000.00	6,226,266.08
16	Bajura	Barbi-Delta Bazar	242	6,655	452,540.00	-	-	-	845	845	27,302.00	1,087	7,500	479,842.00	50,000.00	529,842.00	659,806.73	285,000.00	50,000.00	1,524,648.73
		Deltabazar-Aatichaur	252	6,930	530,145.00	443	12,183	931,999.50	552	552	20,452.00	1,247	19,665	1,482,596.50	50,000.00	1,532,596.50	1,401,445.80	219,000.00	150,000.00	3,303,042.30
		Martadi-Majhigaon	509	12,725	850,666.25	-	-	-	35	35	1,106.00	544	12,760	851,772.25	50,000.00	901,772.25	659,806.73	285,000.00	50,000.00	1,896,578.98
		Atichaur-Thamlek	675	16,875	1,647,000.00	79	1,975	192,760.00	1,360	1,360	79,342.40	2,114	20,210	1,919,102.40	235,000.00	2,154,102.40	2,208,227.50	150,000.00	250,000.00	4,762,329.90
17	Baitadi	Salena-Lamalekh	409	10,225	653,479.70	-	-	-	253	253	7,590.00	662	10,478	661,069.70	50,000.00	711,069.70	1,571,302.00	475,000.00	50,000.00	2,807,371.70
		Shreebhaver-Kotila	196	4,900	313,159.00	-	-	-	1,896	1,896	56,989.96	2,092	6,796	370,057.96	50,000.00	420,057.96	1,782,712.00	270,000.00	50,000.00	2,522,769.96
		Kotila-Hat	104	2,600	235,586.00	-	-	-	4,470	4,470	244,598.00	4,574	7,070	480,184.40	295,000.00	775,184.40	1,474,053.18	150,000.00	150,000.00	2,549,237.58
18	Darchula	Khar-Khalanga	72	1,980	121,572.00	-	-	-	62	62	1,860.00	134	2,042	123,432.00	50,000.00	173,432.00	2,297,805.51	285,000.00	50,000.00	2,802,237.51
		Bitule-Latinath-Paribagar	91	2,275	139,594.00	-	-	-	587	587	17,610.00	678	2,862	157,204.00	50,000.00	207,204.00	797,287.00	285,000.00	50,000.00	1,339,491.00
Total			10,107	258,737	19,937,709.97	2,327	59,308	5,212,757.73	61,403	114,163	2,776,041.11	73,837	432,208	27,926,508.81	4,019,500.00	31,946,008.81	74,096,915.49	10,686,000.00	5,420,000.00	122,148,924.30

Note: Costs for life skill training, toe wall construction for spoil management, rehabilitation of community infrastructure, bioengineering, quarry and camp site management, occupational health & safety and insurance for workers have been included in the project cost (civil works).

Annex 4: Detail on Target versus Achievement in Compensatory Plantation

SN	District	Sub-Project	Compensatory Plantation								
			Community Forest			National Forest			Private Land		
			Name	Target	Planted	Name	Target	Planted	Target	Planted	
1	Taplejung	Gupha-Sanghu	N/A			N/A			62		
		Sanghu-Changey	N/A			NF	2,450		54,048		
		Sub-total	N/A				2,450		54,110		
2	Solukhumbu	Garma-Nele- Bugol	Kordhap CF	3,300	3,300						
			Maidel CF	33,413	33,413						
			Ghumnepani CF	1,430	1,430	N/A			3,217	2,854	
		Lekakharka-maidel	N/A			N/A			930		
		maidel-Mukli	N/A			N/A			1,790		
Sub-total			38143	38143	N/A			5,937	2,854		
3	Okhaldhunga	Rumjatar-Kharte khola	Bandare C.F	2008	2008						
			Salleri C.F	2723	2723						
			Sub-total	4731	4731	N/A			20,220	10,110	
		Khartekhola-Serna	Sal kamere CF	425							
			Chakaldhunga Chapleti CF	575							
			Thaalthumko CF	500			NF				
Sub-total		1,500			NF	4,225		4,711	1760		
Sub-total		6,231	4,731			4,225		24,931	11,870		
4	Ramechhap	Pakrabas-Galba	Laxman Saibari CF	4,425	2,500						
			Bhalukhop CF	975	800						
			Dharjuk CF	3,325	1,700						
			Sub-total	8,725	5,000	N/A			2,624		
		Gaikhura-Bhatauli	Gairawan CF	7,200							
			Ramite CF	1,275			N/A			84	
Sub-total		17,200	5,000	N/A			2,708				
5	Gorkha	Kokhe Ahale and Koyabhanjyang slope stabilisation	N/A			N/A			N/A		
		Khabdi Bhanjyang-Ghairung- Batase	N/A			N/A			523		
		Nareshwor-Padinchautara	Thulo Salghari CF	No tree loss		N/A			N/A		
		Sub-total	N/A						523		
6	Lamjung	Sundarbazaar-Kunchha-Duipipale	N/A			N/A			65		
		Tarkughat - Leurani (Pyarjung)	Kataharbari CF	1,575							
			Dibyajyoti CF	7,350			NF	175			
			Bir Bhakti CF	150							
			Kalika CF	150							
			Pangote CF	5,025			NF	400			
		Sub-total		14,250				575		618	
Sub-total		14,250				575		683			
7	Baglung	Kathekhola-Tallosarangi	Tallo Sarangi Takuri CF	No tree loss							
			Dandakharka CF	No tree loss							
			Sub-total	N/A			N/A			1,256	
		Tallosarangi-Kushmisera	Hile Juke CF	975							
			Pallo Pakho CF	650							
Sub-total		1,625			N/A			4,872			
Sub-total		1,625			N/A			6,128			
8	Myagdi	Beni-Arthunge	Barahapakho CF	1,018	1,018	N/A			4,948		

SN	District	Sub-Project	Compensatory Plantation								
			Community Forest			National Forest			Private Land		
			Name	Target	Planted	Name	Target	Planted	Target	Planted	
			Aapkorukh CF	1,597	1,597						
			Sub-total	2,615	2,615						
		Arthunge-Toripani	Ramche Eklepipal CF	No tree loss							
			Sanosalleri CF	No tree loss							
			Tusarpani CF	150							
			Public land	25							
			Sub-total	175		N/A				112	
		Sub-total		2,790	2,615	N/A				5,060	
		Thalaha-Batule-Aulatari	Ghogane CF	2,400	2,400						
			Tatapakha CF	175	175						
			Likhurka CF	7,250	7,250						
			Kanda Nyaulidhunga								
			Jaljala CF	6,025	6,025						
			Gaikhur CF	7,300							
			Masara CF	6,800							
			Sub-total	29,950	15,850	NF	975	975		292	
		Baluwa-Thalaha	Nahada CF	250							
			Kotila CF	875							
			Ogle Amraipakha CF	6,475							
			Haude Kadahalna CF	400							
			Sub-total	8,000		N/A				2	
		Aulatari-Sandhibisauna	Masara CF	6,225							
			Banjhbisauna CF	325							
			Salleri CF	6,650							
			Bhagbagemul CF	50							
			Sub-total	13,250		N/A				122	
		Sub-total		51,200	15,850		975	975		416	
10	Dolpa	Dunai- Sahartara - Lawan Lasicap	Thala CF	2020	15000	N/A				14	
11	Jumla	Kudari-Tamti-Topla	Triveni CF	550	550	Kudari NF	275	275	436	436	
		Topla-Imilcha	N/A			Deuli NF	3,475		425		
		Sub-total		550	550		3,750	275	861	436	
12	Kalikot	Hulma-Sheri-Sakh-Chhelahanna	Tila CF	50	50						
			Kalika CF	1,750	1,750						
			Nainaldev CF	No tree loss		N/A			353	353	
		Sub-total		1,800	1,800	N/A			353	353	
13	Mugu	Kalakanda-Khamale-Kawa	Kawa CF	4,813		N/A			201	600	
		Kawa-Chimdungri (Shreekot)				Bada chaud NF	1,500				
						Dhalpura					
						Dhogna NF	2,325				
						NF	150				
						Ranichaur Kawa					
			N/A			NF	29,075				
			Sub-total	N/A			33,050			1,138	
		Sub-total		4,813			33,050			1,339	600
14	Humla	Simikot-Kharpunath	Public land	1,525		NF	125		72		
15	Bajhang	Vopur-Rupatola	Masta CF	450							
			Sitalikhola CF	325	325						
			Tirmalikhana CF	2,675	2,675						
			Golibhid CF	1,250	1,250						
			Deusini CF	2,450	2,450						
			Sub-total	7,150	6,700	N/A				504	
			Malika CF	22,250	10,000	N/A				110	110

SN	District	Sub-Project	Compensatory Plantation									
			Community Forest			National Forest			Private Land			
			Name	Target	Planted	Name	Target	Planted	Target	Planted		
16	Bajura	Dangaji-Mahendradhar	Rahadeu Patihalla CF	1,350	1,350							
			Rahadeu CF	1,800	1,800							
			Sub-total	25,400	13,150							
		Mahendradhar-Kholibazar	Rahadev CF	1,275	1,275							
			Rahadev Ratikhali CF	950	950							
			Ruiside Bajayal CF	1,675	1,675							
			Kalika CF	8,500	8,500							
			Chirantola CF	5,850	5,850							
			Pipaltola CF	125								
			Ghodemela Bufferzone CF	500	500							
		Sub-total	18,875	18,750	N/A				354			
		Sub-total		51,425	38,600	N/A			968	110		
		16	Bajura	Barabis-Delta Bazar	Bedughati CF	990	990					
					Panipatal CF	1,595	1,595					
					Khirrechauka CF	4,070	4,070					
Sub-total	6,655			6,655	N/A				845	845		
Delta Bazar-Aatichaur	Jiulekha CF			6,050		Balaimasta NF	1,155					
						Palyo Patal Ayani NF	7,425					
	Hadi Khola CF			880		Janti Basne NF	3,603					
Sub-total	6,930					12,183			552			
Martadi-Majhigaun	Kantho CF			1,875	1,875							
	Jannauti CF			7,050	7,050							
	Krishi CF			2,275	2,275							
	Dhaulapurimandu CF			1,525	1,525							
	Sub-total	12,725	12,725	N/A				35	35			
Aatichaur-Thamlek	Deurali mahila Janajaran CFU	275										
	Handa Rikka CF	375										
	Chankili CF	16,225										
	Sub-total	16,875		NF	1,975			1,360				
Sub-total		43,185	19,380		14,158		2,792	880				
17	Baitadi	Salena-Melauli	Bhumiraj CF	600								
			Shree Krishna CF	1,250								
			Shree Kedar Malena CF	4,775								
			Dhariyal CF	3,600								
			Sub-total	10,225		N/A				253		
		Shreebhabhar-Kotila	Basanta Hariyali CF	4,200	4,200							
			Sunagadi Hariyali CF	600								
			Okhalkate CF	No tree loss								
			Gupha CF	100								
		Sub-total	4,900	4,200	N/A				1,896			
		Kotila-Hat	Madhu CF	2,600		N/A			4,470			
		Sub-total		17,725	4,200	N/A			6,619			
18	Darchula	Khar-Khalanga	Thamu CF	1,980		N/A			62			
			Bitule-Latinath-Paribagar	Balichan CF	800							
			Daluna CF	1,475								
		Sub-total	2,275		N/A				587			
		Sub-total		4,255		N/A			649			
Total		258,737	145,869		59,308	1,250	114,163	17,103				

Annex 5: Status of Environmental Safeguard Compliances

SN	District	Road Sub-project	Status	Environmental Compliances
1	Taplejung	Gupha-Sanghu	DPR approved	<ul style="list-style-type: none"> Grievance Redress Committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator Safety gears provided to all BG members First Aid Kit provided to each BG Camp site management done
		Sanghu-Changey	DPR approved	<ul style="list-style-type: none"> Grievance Redress Committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator 500 helmet and 450 gloves, 292 goggles, 268 gumboots and 35 first aid kit boxes provided to workers 600 workers insured Campsite management done 1 environmental awareness orientation training conducted (508 participants) Roadside plantation carried out at Ch 6+250 (10 % survival out of planted 200 Gurans) 10 signboards erected at Ch 20+635, 21+405, 22+630, 24+210, 25+500, 28+215, 29+340 1 safeguard desk meeting held 12 grievances received and addressed
2	Solukhumbu	Garma-Nele-Bogal	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Program Officer of DDC has been assigned as Safeguard Desk coordinator 180 helmet and 250 facemasks and 42 first aid kit boxes provided to workers 5 number of signboard erected Camp site management done, 10 temporary toilet constructed 2 person's insurance claim (one person has wound in finger and other has wound in head) is in process 7 letter of grievances received and addressed 38,143 saplings planted in Maidel CF and 2854 saplings planted in private land
		Lekakharka-Maidel	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Program Officer of DDC has been assigned as Safeguard Desk coordinator 1 safeguard desk meeting conducted Safety gears provided to all workers First aid kit provided to all BGs 294 workers insured Agreement with VWRCC made for the bio-engineering activities in 1,760 m² area

SN	District	Road Sub-project	Status	Environmental Compliances
				<ul style="list-style-type: none"> • Campsite managed • 1 signboard erected at Lekharka • 6 causeway constructed for water management • 1760 m² area stabilized with bio-engineering
		Maidel-Mukli	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Program Officer of DDC has been assigned as Safeguard Desk coordinator • 8 toe-walls with volume 150 m³ constructed • Agreement made with VWRCC for carrying out bio-engineering activities in 3,168 m² • Safety gears provided to all workers • Insurance of 294 workers • 1 signboard erected at Maidel • 3,168 m² area stabilized with bio-engineering
3	Okhaldhunga	Rumjatar-Khartekhola	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator • 141,033m³ spoil managed safely, 31 toe wall with 2,456 m³ constructed • Bio engineering work from Ch 5+220 to 7+350 (4,500 sqm) through brush layering, Bamboo, Nigalo and Amriso • Camp site management done, 12 temporary toilets constructed • 3 gabion wall constructed • 12 retaining wall with volume 1152 m³ constructed to control landslide • Quarry site at Ch 3+900,4+880,6+000,7+600,9+200 with 24500 m³ aggregates • 2 cross drainage structure with 32 volume m³ • 267 helmets, 60 goggles and 32 first aid kit provided to the worker • 650 workers insured • 9 number of signboard erected at Pahire, Ratmate, Rumjatar, Thotne • 4731 seedling planted at Bandare CF and Salleri CF • 10,110 seedling distributed for plantation in private land • 520 seedling planted along the road • fifteen safeguard desk meeting held • 5 letter of grievances received and solved

SN	District	Road Sub-project	Status	Environmental Compliances
		Khartekhola-Serna (Sewa Kendra)	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator 1 awareness raising training conducted 267 helmets, 60 goggles and 32 first aid kit provided to the worker 826 workers insured Helmet 525, facemasks 675 provided to BGs 16 First Aid kit distributed. 2 number of accident occurred and medicine purchase cost provided from emergency fund 3 number of signboard erected at Pauwa Khola and Serna Sewa Kendra 1760 seedling distributed to private land owner. Agreement made with Jalpa HSS for road side plantation 2 safeguard desk meeting held 5 letter of grievances received and solved
4	Ramechhap	Pakarbass-Galba	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Engineer of DDC has been assigned as Safeguard Desk coordinator Toe wall constructed for safe disposal of excavated material (2 gabion wall with volume of 65 m³ and 22 dry wall with volume of 517.45 m³) Agreement done in NCB-03 for bio-engineering activities. Camp site management done and 22 temporary toilet constructed 1260 m³ quarry operated at Ch 4+260,6+800,11+900 and partially rehabilitated 1200 helmets, 1450 facemasks, 450 gloves, 61 first aid kits provided to the workers 22 temporary toilet constructed Compensatory plantation at Laxman Saibari CF (2,500 plants), Bhalukhop CF (800 plants) and Dharjuk CF (1,700 plants) in total 5,000 seedlings are planted. Accidental insurance for 400 workers done 1 accident occurred 4 number of signboard erected at Ch 3+200,7+600,9+900 & 15+000 Foot Steps and Water Spring rehabilitated 2 safeguard desk meeting held

SN	District	Road Sub-project	Status	Environmental Compliances
		Gaikhura-Bhatauli	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Engineer of DDC has been assigned as Safeguard Desk coordinator 2 number of signboard erected at Ch 2+700 and 4+328 Toe wall constructed for safe disposal of excavated material (6 gabion wall with volume of 156 m³ and 22 dry wall with volume of 109 m³) Campsite management done, 22 toilet temporary toilet constructed 125 helmet, 210 mask distributed to BGs 200 workers insured 1 accident occurred and is under process of compensation 2 safeguard desk meeting held 1 drystone cause way constructed
5	Gorkha	Kokhe Ahale & Koya Bhanjyang Slope Stabilization	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator Toe wall constructed for safe disposal of excavated material at 10 places with volume of 1131 m³ Camp site management done 30 helmets, 50 leather hand gloves, 200 facemasks, 30 goggles and 1 first aid kit provided to the workers 5 workers insured 1 number of signboard erected at Ch 21+100 2 safeguard desk meeting held
		Khabdibhanjyang-Batase	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator Toe wall constructed for safe disposal of excavated material at 12 places with volume of 240.32 m³ Camp site management done at Chisapani, Namjung, Baskot, Ghairung, 2 temporary toilet constructed 200 helmets, 200 facemasks, 30 goggles and 10 first aid kit provided to the workers 4 number of signboard erected at Khabdibhanjyang, Chyandada and Batase 2 safeguard desk meeting held
		Nareshwor-Padin Chautara	IEE comments from MoFALD	<ul style="list-style-type: none"> Comments from Review committee of MoFALD received, comments incorporation and submission to MoFALD by DDC/DPO.

SN	District	Road Sub-project	Status	Environmental Compliances
6	Lamjung	Sundarbazaar-Kunchha-Duipipale	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator Camp site management done by renting house at Sotipasal 1 toe wall and 2 breast wall constructed as landslide control measures 50 helmets, 110 leather hand gloves, 140 facemasks, 10 goggles and 2 first aid kits (1 for each group) provided to the workers 30 workers insured 4 number of signboard erected at 8+180, 9+950, 16+422 and 23+260 1 safeguard desk meeting held
		Tarkughat-Leurani (Pyarjung Bhanjyang)	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator 2 Environmental awareness raising training conducted at field 1 safeguard desk meeting held Forestry clearance obtained
7	Baglung	Kathekhola-Tallo Sarange	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator Toe walls given at Ch 3+250, 3+700, 4+040, 6+500, 8+700, 12+250 and 14+900 Bioengineering done at Ch 3+700 and 4+040 Quarry site management done at Ch 5+000 Kali Gandaki river (15,300 m³) Campsite management done and 3 temporary toilet constructed One footstep of a trail constructed Safety gears like, helmets, facemask provided 290 workers insures Two sign boards erected at Ch 0+620 and 9+500 Four environmental awareness orientation training conducted at field with total 92 participants One safeguard meeting held 8 grievances received and addressed.
		Tallosarangi-Kusmisera	DPR approved	
8	Myagdi	Beni-Arthunge (Bhawanipujne)	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator Toe wall with volume of 200 m³ constructed for safe disposal of excavated material
		Bhawanipujne-Toripani		

SN	District	Road Sub-project	Status	Environmental Compliances
				<ul style="list-style-type: none"> • 1000 m³ of spoil disposed safely • 38 sets of safety gears provided, Campsite management done, 2 temporary toilet constructed • 450 m³ cross drainage structure • 4 signboard erected • 1,018 seedling plantation in Barahapakho CF and 1,597 seedling plantation in Aapkorukh CF
9	Jajarkot	Thalaha-Batule-Aulatari	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator • Toe wall constructed at Ch 8+641 and 8+ 683 with volume of 43.5 m³ • Bio engineering work from Ch 1+000 to 4+650 (1836 Rm) • 500 workers insured • 10 helmet, 8 gloves, 20 face masks and 15 goggles have been provided to worker • One first aid box in each group • Four signboards at starting point and end point in Nalphu and Batule respectively • Compensatory plantation carried out in Likhurka CF (6,850 plants), Ratikhali CF (925 plants) and Kada Nyalidhunga Jaljala CF (6,000 plants) in total 13,775 of seedlings planted
		Baluwa-Thalaha	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator • Campsite management done, 15 temporary toilet constructed • 500 helmet and mask provided to workers of BGs • 20 First aid kit • 80 workers insured • 5 signboard erected • 7 grievances received and addressed • 5 safeguard desk meeting held
		Aulatari-Sandhibisauna	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator

SN	District	Road Sub-project	Status	Environmental Compliances
10	Dolpa	Sahartara-Lasicap	DPR Approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Program Officer of DDC has been assigned as Safeguard Desk coordinator 16 toe was constructed at various location with volume 1,881.68 m³ House rented at Namda for workers 15 temporary toilet build Gabion Breast Wall, Retaining Wall, Check Dam constructed to control landslide 2 signboard erected at Sahartara and Tarakot 15,000 saplings planted in Masta Vawani CF, Dunai 2-3 250 helmet, face mask, 50 first aid kit provided
11	Jumla	Kudari-Tamti-Topla	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Officer of Energy and Environment section of DDC has been assigned as Safeguard Desk coordinator 15 toe wall constructed for safe disposal of excavated material with volume of 458.67 cum Compensatory plantation under leadership of FECOFUN for planting 825 seedlings (275 in Kudari NF and 550 in Triveni CF) 436 seedlings plantation in private land Sami Bhawanithan at Sami-1, Tamti VDC rehabilitated 1,647 safety gears provided 59 first aid kit provided 325 workers insured 9 minor accidents (eye, finger etc.) and compensation provided to 3 persons 2 safeguard meetings conducted Four signboards at Triveni, Topla, Karyarkot and Buntadi 20 grievances received, 19 solved and 1 not applicable for resolving
		Topla-Imilcha	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Officer of Energy and environment section of DDC has been assigned as Safeguard Desk coordinator 607.39 m³ spoil managed safely and 5 toe-wall with volume 104.34 m³ constructed 400 workers insured 1 accident occurred and process for compensation ongoing 25 first aid kit provided 342 helmet and 585 facemask provided 32 signboard erected 1 environmental awareness orientation training conducted at field with 50 participants 3 safeguard desk meeting conducted

SN	District	Road Sub-project	Status	Environmental Compliances
12	Kalikot	Hulma-Sheri-Sakh-Chhelahanna	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator 1 awareness raising training conducted (144 participants) 5 toe-walls with volume 173 m³ constructed for safe disposal of spoil 1,410 workers insured 2 accidental injury (legs, teeth) but insurance had not been done during that time so could not be claimed 3 signboard erected at Ch 0+000, Ch 2+000, Ch 9+160 400 goggles, 400 helmets, 1,125 face mask, 300 gloves 1800 trees (1,750 in Kalika CF and 50 in Tila CF) planted 5 grievances received and 4 solved 1 safeguard meeting held 2 temporary toilet constructed 353 seedlings planted in private land
13	Mugu	Kalakandalek-Khamale-Kawa	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator Around 4000 cum soil is disposed safely on downhill side Toe wall not required as downhill side has mild slope Rooted grass at Ch 9+500 (1,750 sqm), brush layering with Baish (<i>Salix</i> sp) at 6+000 to 6+400 and 9+000 (700 m²) Nursery established at Gamtha in coordination with DFO for seedling production for bioengineering and compensatory plantation Contractor has provided safety Helmets- 40 nos ; goggles-40 pairs ; Hand gloves-50 pairs ; Facemasks-350 and 2 first aid kit 300 workers insured Tow signboards erected at zero point and Tarapani Ch 8+000 One safeguard desk meeting held Two grievances received and solved 300 no. of Okhar (wall nut) plants and 300 no. of apple plants has been distributed to Tarapani community and planted. 400 plants along both side of road from Ch 6+500 to Ch 8+000 planted
		Kawa-Chimadungri	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator

SN	District	Road Sub-project	Status	Environmental Compliances
			(IEE part of DPR)	<ul style="list-style-type: none"> • Safety helmet: 1000 no, hand gloves: 1000 no., safety goggles: 1000 no. & face masks: 1200 no. distributed to VWRCC/BGs to all 3 VDCs, i.e.; Khamale, Gamtha & Shreekot. • 20 first aid kit provided • Accidental insurance process is ongoing • 3 awareness raising training held for 900 participants
14	Humla	Simikot-Kharpu	DPR Approved (IEE part of DPR)	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Planning, Monitoring and Administrative Officer of DDC has been assigned as Safeguard Desk coordinator • 26 informative and safety signboard erected.
15	Bajhang	Vopur-Rupatola	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Account Officer of DDC has been assigned as Safeguard Desk Coordinator • 6 toe wall constructed for safe disposal of excavated material with volume of 212.27 cum • Compensatory plantation (6,700 plants) done by 4 CFUGs (Devsaini, Sitalikhola, Golivid and Tirmali Khan CFs at Dhamena VDC) • 2 signboard erected at Vopur (Ch 0+000) and Dhamena (10+500) • Helmets - 71 (5 piece/group), goggles -105 pairs (5 pairs/group), belt-8 and 214 facemasks provided to the workers • 8 groups are provided with First Aid Kit • Accidental insurance of 40 workers • 3 safeguard desk meeting conducted
		Dangaji-Mahendradhar	DPR approved (IEE part of DPR)	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Account Officer of DDC has been assigned as Safeguard Desk coordinator • Toe wall constructed for safe disposal of excavated material with volume of 16.928 cum • 2 signboard erected • 600 helmets, 600 goggles, 150 belt, 600 gloves and 600 facemasks provided to the workers • 26 First Aid Kit provided • Accidental insurance of 100 workers • Compensatory plantation of 13,150 seedlings done by Malika Bhawani CFUG(10,000) in Dangaji VDC-9, Rahadeu Patihalda (1,350)and Rahadeu CF(1,800) will be done next year • 110 fruit trees distributed for plantation to 18 land owners • 2 letter of grievance received and solved
		Mahendradhar-Kholibazar	DPR Approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Account Officer of DDC has been assigned as Safeguard Desk coordinator

SN	District	Road Sub-project	Status	Environmental Compliances
			(IEE part of DPR)	<ul style="list-style-type: none"> • 3 signboard erected • 32 temporary toilet constructed • 507 helmets, 480 goggles, 480 gloves and 480 facemasks provided to the workers • 22 First Aid Kit provided • Accidental insurance of 100 workers • 18750 plants are planted, only the payment is remaining • 1 safeguard desk meeting held
16	Bajura	Barbi-Delta Bazar	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Executive secretary of Local development fund, DDC has been assigned as Safeguard Desk coordinator • 1 toe wall constructed for safe disposal of excavated material with volume of 15 cum • Bioengineering done at (Ch 7+355, 7+370, 7+385, 7+407, 7+430, 7+448, 7+454, 10+505, 10+515, 10+550, 10+575, 10+605, 10+620, 10+636, 10+840, 11+110, 11+140, 11+540, 11+603, 11+670, 11+715, 11+820, 11+895, 12+300, 12+356, 12+400, 12+454) , total 2,023 Rm brush layering with simali. • Nursery established under DFO for seedling production (6,655 seedling for CF and 845 for private land). Plantation carried out by CFUG under close supervision of DFO. • 170 helmets, 170 goggles and 204 gloves provided to the workers • 34 groups are provided with First Aid Kit • Accidental Insurance has been done for 850 workers • 4 signboards erected at Betalamandu, Jhali, Gudukhati, Banegaun • 1 letter of grievances received and addressed • 3 orientation training with 108 participants conducted
		Deltabazar-Aatichaur	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • 168 helmets, 140 goggles and 140 gloves and 358 facemasks provided to the workers • 14 First Aid Kit provided (1 kit per group) • 13 signboard erected at Delta bazaar, Guiban, Sahubagar and Guiban • 3 letter of grievances received and solved • 5 toe wall constructed for safe disposal of excavated material with volume of 125 cum • Campsite management done • Bioengineering done - Kuldevmandu VWRCC (Delta & Sahubada), Gudukhati VWRCC (Gueban) and Aatichaur (Majhiwan, Lamgaun, Handikhola) with plantation of simali, and nepiyar in 11,232.50 m² area
		Martadi-Majhigaon	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • 9 toe wall constructed for safe disposal of excavated material with volume of 235 cum

SN	District	Road Sub-project	Status	Environmental Compliances
				<ul style="list-style-type: none"> Bioengineering done at (Ch 1+050, 1+070, 1+400, 1+440, 1+485, 1+550, 1+600, 1+760, 1+775, 1+790, 1+810, 1+831, 1+841, 1+945, 1+967, 1+987, 2+023) with plantation (khar-1,635 m² and Amriso-265 m²) Nursery established under DFO for seedling production (12,725 seedling for CF and 35 seedling for private land). Plantation carried out by CFUG under close supervision of DFO Helmets - 80 (5 piece/group), goggles - 80 pairs (5pairs/group), hand gloves - 96 pairs (6 pairs/group) and facemasks provided to the workers 16 groups are provided with First Aid Kit with medicines Accidental insurance has been done for 140 workers 2 signboard erected at Gadkhet and Bhaunera 3 letter of grievances received and addressed
		Atichaur-Thamlek	DPR Approved (IEE part of DPR)	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established 3 half day environment orientation training conducted with 108 participants 5 toe wall constructed for safe disposal of excavated material with volume of 125 cum 1,109 helmets, 255 goggles and 255 gloves and 1,109 facemasks provided to the workers 51 First Aid Kit provided (1 kit per group) 1 grievances received and solved 48 temporary toilet constructed
17	Baitadi	Salena-Lamalekh	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established, Programme Officer has been assigned as Safeguard Desk coordinator 1,109 facemasks, 1,109 helmets, 255 gloves, 255 goggles and 21 First Aid Kits are provided Accidental insurance done for 250 workers Bio-engineering works is under planning process Campsite management done Four signboard erected at Rautgaon, Durgasthan and Salena Mostly excavated materials used, so no quarry sites needed 1 safeguard desk meeting conducted
		Shreebhavar-Kotila	DPR approved	<ul style="list-style-type: none"> Grievance Redress committee formed & Safeguard Desk established Programme Officer has been assigned as Safeguard Desk coordinator 1,000 facemasks, helmets (5-10 piece/group) as per need and 40 First Aid Kit are provided Accidental insurance done for 300 workers Bio-engineering works (15,610 cum) is under planning process Compensatory plantation of 4,200 trees (Timbur, Lokta, Chiraito, Ritha, simaljadi, Bojho) at Basanta hariyali CF Mostly excavated materials used, so no quarry sites needed

SN	District	Road Sub-project	Status	Environmental Compliances
				<ul style="list-style-type: none"> • 1 safeguard desk meeting conducted
		Kotila-Hat	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Programme Officer has been assigned as Safeguard Desk coordinator • 1 safeguard desk meeting conducted
18	Darchula	Khar-Khalanga	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Social Development Officer has been assigned as Safeguard Desk coordinator • 7 Toe wall constructed for safe disposal of excavated material with volume of 350 m3 • Quarry site management done at Ch 4+260,6+800,11+900 • Campsite management done • 400 workers insured • 4 signboard erected at Ch 3+200,7+600,9+900 & 15+000 • 1 death and compensation by 3rd party and 3 general injuries • Community plantation planned at Thamu Community Forest • Foot Steps and Water Spring rehabilitated • 55 helmets and 210 mask and 14 first aid kit provided to the workers • 1 safeguard desk meeting conducted
		Bitule-Latinath-Paribagar	DPR approved	<ul style="list-style-type: none"> • Grievance Redress committee formed & Safeguard Desk established • Social Development Officer has been assigned as Safeguard Desk coordinator • 6 Toe wall constructed for safe disposal of excavated material with volume of 91.36 cum • Quarry site management done at Ch 5+200 & 8+600 • Campsite management done • Foot Steps, Irrigation Canal rehabilitated • Latinath Temple protection work by breast wall construction • 25 helmets and 86 mask and 6 first aid kit provided to the workers • 120 workers insured • Community plantation planned at Balichan & Daluna Community Forest • 4 signboard erected at Ch 0+260,3+000 ,10+260 & 13+900 • 1 safeguard desk meeting conducted

Annex 6: Case Studies

A. Assistant Beautician Puja Kumari Khadka of Bajura



Ms. Puja Kumari Khadka (Khati), 19 years old lives at Sahubada in Kuldevmandu VDC of Bajura with her husband, son and other in-laws. Her husband teaches at nearby boarding school and Ms. Puja is studying in class XI. She harbored interest to do something new but she was clueless what to do. When DRILP AF conducted training need assessment for the members of affected family, she applied for beauty parlor training.

Since Ms Puja belongs to affected family due to implementation of Delta-Aatichaur Road sub project, she was selected to pursue three months beauty parlor training at Dhanagadi from Magh 2071 to Chaitra 2071 conducted by DRILP AF.

After completing three months beauty parlor training, she started to work as an assistant beautician at 'Puspanjali Beauty Parlor', Churaha, Dhangadi. She worked there for two months with NRs 5000/month salary. As a result she sharpened her skill and gained confidence. Now she has opened her own beauty parlor at Delta Bazaar, Kuldevmandav VDC, Bajura. From this, she has good earning with monthly saving of NRs 10,000. Besides, she is providing service to the local people with this new initiative.

B. Case study: From brick kiln worker to owner of a restaurant

Sukre Majhi (21) from Manthali-13, Ramechhap is the owner of a fast food restaurant opened at Manthali (near bridge site) in January, 2016. He is 21 years old. After receiving Indian cook training funded by DRILP-AF, he obtained required skills and confidence. He borrowed NRs. 80,000 loan and opened the restaurant. It is interesting that he married to Ms. Nanu Majhi, a trained graduate in the same trade, in June 2016. She is also involved fully in running this business.



Majhi couple is running their business successfully and earning substantial income.

They pay NRs. 2500 per month as rent and their daily transaction is NRs 3000-4000 with profit of average NRs 1000/day. They have already paid about 50% of their loan.

BG members working in the road are their main customers. Sukhre Majhi is very much thankful to the project because he got life skill training to initiate entrepreneurship to improve his livelihood. In the past, he has worked in brick kilns in Kathmandu valley to earn his living. Moreover, DRILP-AF has built good road through their village generating local employment and providing life skill training to affected people. This has also reduced seasonal migration of the local Majhi community to Kathmandu valley for working in brick kilns.

Annex 7: Plantation Plan

Development projects passing through forests area are affecting the forest vegetation as well as disturbing wildlife and their habitat also. Appropriate mitigation measures have been recommended in the Initial Environment Examination (IEE) report already approved by the MoFALD. The main mitigation measures related to vegetation loss, slope stabilization and pollution are compensatory plantation, roadside plantation, plantation in private land and bioengineering. According to the Government of Nepal (2071/01/12 BS): **Standard for Removing Government Trees**, 2071 BS (2014 AD), the sub-project has to carry out plantation (with protection for five years) at the ratio of 1:25 plants or pay for the plantation and protection cost to the concerned community forest user groups (CFUGs)/District Forest Office. In private land, trees will be planted at the ratio of 1:1. **Table 1** will be used to manage the planting stock for plantation for different purposes.

Table 1: Type of plantation and planting stock

Type of plantation	Number of plants needed	Cost of plants including transportation	Source of planting stock	Remarks
Compensatory plantation				
Roadside plantation				
Plantation in private land				
Bioengineering activities				

A. Compensatory plantation

Requirements for plantation activities

- 1) Coordination with CFUGs and DFO - Meeting will be held with concerned CFUGs and DFO to discuss about the plantation management
- 2) Agreement with CFUG/DFO/DDC - Agreement will be done with concerned CFUGs, DFO and DDC/DTO for the compensatory plantation
- 3) Managing planting stock - Nursery establishment and operation
 - From DFO nursery
 - From private nursery owner
 - Fruit trees in private land - Horticulture farms in districts
- 4) Identification and survey of plantation area - Plantation area will be identified by concerned CFUGs and DFO and survey will be done.
- 5) Fencing - Fencing will be done by concerned CFUGs/DFO.
- 6) Pitting - Pits of 30cmx45cmx45cm size will be dug.
- 7) Transportation of seedlings - From nursery to the planting sites
- 8) Planting - It will be done by the CFUG members in the starting of monsoon

9) Weeding - After the monsoon season, weeding is done to reduce the competition by weeds.

10) Survival count - before winter starts, survival of the plantation will be done for casualty replacement before next monsoon.

Plan of Action for Plantation

Activities	Dec 16	Jan 17	April 17	May 17	June 17	July 17	Aug 17	Sep 17
Agreement with CFUG/DFO/DDC	■							
Managing planting stock		■						
Survey of plantation area			■					
Fencing			■					
Pitting				■				
Transportation of seedlings					■			
Planting						■		
Weeding							■	
Survival count								■

B. Roadside plantation

1) Coordination with local communities, VDC/Municipality, CFUGs and DFO - Meeting will be held with concerned local communities, VDC/Municipality, CFUGs and DFO to discuss about the plantation management

2) Agreement with concerned stakeholders - Agreement will be done with concerned local communities, VDC/Municipality, CFUGs and DFO for the road side plantation

3) Managing planting stock - Nursery establishment and operation

- From DFO nursery
- From private nursery owner from districts
- Fruit trees in private land - Horticulture farms in districts

4) Identification and survey of plantation area - Plantation area will be identified by concerned local communities, VDC/Municipality, CFUGs and DFO and survey will be done.

5) Fencing - Fencing will be done by concerned local communities, VDC/Municipality, CFUGs and DFO.

6) Pitting - Pits of appropriate size will be dug depending on species

7) Transportation of seedlings - From nursery to the planting sites

8) Planting - It will be done in the starting of monsoon

9) Weeding - After the monsoon season, weeding is done to reduce the competition by weeds.

10) Survival count - before winter starts, survival of the plantation will be done for casualty replacement before next monsoon.

Plan of Action for Plantation

Activities	Feb 17	March 17	April 17	May 17	June 17	July 17	Aug 17	Sep 17
Agreement with local communities, VDC/Municipality, CFUGs and DFO	■							
Managing planting stock		■						
Survey of plantation area		■						
Fencing			■					
Pitting			■	■				
Transportation of seedlings					■			
Planting						■	■	
Weeding							■	
Survival count								■

C. Plantation in private land

Coordination with affected landowner - Meeting will be held with concerned affected landowner to discuss about the plantation trees in their land.

- 1) Managing planting stock
 - From DFO nursery
 - From private nursery owner from districts
 - Fruit trees in private land - Horticulture farms in districts.
- 2) Identification and survey of plantation area - Plantation area will be identified in coordination with affected landowner.
- 3) Protection- Protection of planted trees will be done by the landowner.
- 4) Pitting - Pits of appropriate size will be dug depending on the species.
- 5) Transportation of seedlings - From nursery to the planting sites
- 6) Planting - It will be done by the affected landowner and cost will be provided in the starting of monsoon
- 7) Weeding - After the monsoon season, weeding is done to reduce weed competition.

Annex 8: Status of Grievances

SN	Description of grievance received	Status (solved/ in process/ unsolved)	Actions taken	If not solved, give reason
District: Solukhumbu				
1	Damage of 26 trees due to spoil disposal of Kumar Basnet	Solved	Duly compensated	
2	Damage of 15 trees due to spoil disposal of Gopal Basnet	Solved	Duly compensated	
3	Damage of 5 trees due to spoil disposal of Khamba Singh Basnet	Solved	Duly compensated	
4	Damage of 111 trees due to spoil disposal of Bishnuman Gurung	Solved	Duly compensated	
5	Damage of crop due to spoil disposal of Kumar Basnet	Solved	Duly compensated	
6	Damage of crop due to spoil disposal of Gopal Basnet	Solved	Duly compensated	
7	Damage of Chirayito and potato due to spoil disposal of Balaram Khatri	Solved	Duly compensated	
District: Okhaldhunga				
1	Demanding compensation of additional affected land by land owners	Solved	Carried out re cadastral survey and decided through CDC meeting. Eight additional land owners have received the compensation	
2	Toe wall for controlling additional damage of land and crops after earthquake	Solved	Consultation with contractors to minimize further losses and care will be taken in additional construction works	
3	Collection of debris from farm land	Solved	Contractors agreed to collect small scale debris but land owners demanding more than expected loss	
4	Demanding permanent structures at land slide areas	Solved	Carried out walk over survey to identify prone land slide areas with taken chainage wise photos and losses of work.	
5	Compensation for plot	Solved	Duly compensated	
6	5 grievances of missing plot	Solved	Cadastral done followed	
District: Baglung				
1	Protection and maintenance of linkage road	Solved	Linkage road maintained and protected	
2	Protection of structures (house, cowshed) damaged during road construction	Solved	House and cowshed protected according to affected person's demand.	
3	Demand of constructing gabion walls at different sites to protect farm land	Solved	Gabion wall constructed to protect the farm land.	
4	Protection of temple at Takuri in its existing site	Solved	No shifting of temple and its protection done at Takuri.	
5	Maintenance of Irrigation canal in Sharange	Solved	Irrigation canal maintained at Sharange.	

SN	Description of grievance received	Status (solved/ in process/ unsolved)	Actions taken	If not solved, give reason
6	Grievances about haphazard spoil disposal	Solved	Spoil disposal done at appropriate places.	
7	Provision of HDPE and hume pipe for irrigation crossing demanded by land owners	Solved	HDPE and hume pipe kept in different chainage as demanded by land owner	
8	Construction of footsteps at different chainage as required	Solved	Constructed footsteps at different chainage as per requirement	
District: Jumla				
1	Site clearance of crop land and irrigation canal (Bhakti Prasad)	Solved	CDC have approved and compensation distributed	
2	Site clearance of crop land and irrigation canal (Raju)	Solved	CDC have approved and compensation distributed	
3	Structure damaged by road construction work (Krishna Kanta)	Solved	CDC have approved and compensation distributed	
4	Compensation of fruits trees (Magli Shahi)	Solved	CDC have approved and compensation distributed	
5	Compensation of Toilet (Mun Bdr)	Ineligible		
6	Compensation of water mill (Ram Bahadur)	Solved	CDC have approved and compensation distributed	
7	Compensation of house and fruits (Pashupati)	Solved	CDC have approved and compensation distributed	
8	Compensation of fruits trees (Sarkini Yogi)	Solved	CDC have approved and compensation distributed	
9	Demand of protecting Nuwakot village	Solved	CDC have approved and compensation distributed	
10	Damage of apple trees (24 households)	Solved	CDC have approved and compensation distributed	
11	Damage of wheat crop (2 households)	Solved	CDC have approved and compensation distributed	
12	Damage of apple and walnut trees (1 household)	Solved	CDC have approved and compensation distributed	
13	Damage of peach trees (5 households)	Solved	CDC have approved and compensation distributed	
14	Damage of paddy crop (3 households)	Solved	CDC have approved and compensation distributed	
15	Damage of cauliflower (2 households)	Solved	CDC have approved and compensation distributed	
16	Damage of maize crop (1 household)	Solved	CDC have approved and compensation distributed	
17	Damage of garlic (1 household)	Solved	CDC have approved and compensation distributed	
18	Micro hydropower canal on the road	Solved	CDC have approved and compensation distributed	
19	Complain of daily wages (Bise Sarki)	Solved	CDC have approved and compensation distributed	
20	Compensation of four houses	Solved	CDC have approved and compensation distributed	
District: Kalikot				

SN	Description of grievance received	Status (solved/ in process/ unsolved)	Actions taken	If not solved, give reason
1	Compensation for loss of fruit	solved	CDC have approved	
2	Land valuation	solved	CDC have approved for increasing land value	
3	Compensation against loss of crop	solved	CDC have approved	
4	Damage to structure while working	Solved	CDC have approved for compensation	
5	Danger to Settlement while working	Solved	Decided for settlement shift	
District: Mugu				
1	Compensation claimed by land owner for unwillingly disposed soils and rock in their crop land	Solved	Amounts required for clearing and removing the disposed spoil was submitted in CDC and then distributed to respective land owner	
2	Conflict in distribution of same wages for easy and hard works to workers involved	Solved	Project staff explained about the payment being paid on the basis of measurement and person day rate. Workers in BG will be rotated for easy and hard work	
District: Bajhang				
1	Payment of compensatory plantation cost to community forest users groups (CFUGs)	Solved	Plantation cost has been provided to concerned CFUGs	
2	Compensation to landowner in the approach road at Sunigad bridge	Solved	Landowner has been provided compensation	
District: Bajura				
1	Private land damaged due to landside triggered by road construction	Solved	Rehabilitation of landslide done	
2	Compensation of additional land required for road construction	Solved	Compensation paid to affected person for additional land	
3	Compensation for land damaged due to road construction	Solved	Compensation paid to affected person	
4	Compensation for land damaged due to road construction	Solved	Compensation paid to affected person	
5	Crop (wheat) damaged due to spoil disposal	Solved	Estimate made by District Agriculture Office and then approved by CDC	
6	Private land damaged due to spoil disposal	Solved	Spoil managed and toe wall constructed	
7	Compensation of additional land required for road construction	Solved	Compensation paid to affected person for additional land	
8	Loss of structure	Solved	Duly compensated	
District: Myagdi				
1	Damage of Crops Chitra Bahadur Bruwal	Solved	Duly compensated	
2	Damage of Crops Padam Bahadur Baruwal	Solved	Duly compensated	
3	Damage of Crops Laxman Subedi	Solved	Duly compensated	
4	Damage of Crops Ratn Bahadur Bhandari	Solved	Duly compensated	

SN	Description of grievance received	Status (solved/ in process/ unsolved)	Actions taken	If not solved, give reason
5	Damage of Crops Tapta Bahadur Bhandari	Solved	Duly compensated	
6	Damage of Crops Karna Bahadur Bhandari	Solved	Duly compensated	
7	Damage of Crops Bishnu Sharma	Solved	Duly compensated	
8	Damage of Crops Mitra Kumari Khadka	Solved	Duly compensated	
9	Damage of Crops Ramji Poudel	Solved	Duly compensated	
10	Damage of Crops Dhurba Sharma	Solved	Duly compensated	
11	Damage of 250 Trees Due to spoil disposal of Sano Sallery Ghatan	Solved	Duly compensated	
12	Damage of 300 Trees Due to spoil disposal of Ramchye CFUG Artunge	Solved	Duly compensated	
13	Damage of 300 Bamboo Due to spoil disposal of Hari Dhungana	Solved	Duly compensated	
14	Damage of 115 Bamboo & 19 no Tree Due to spoil disposal of Nandakali Sharma	Solved	Duly compensated	
15	Damage of 15 Bamboo Due to spoil disposal of Tapta Bahadur Bhandari	Solved	Duly compensated	
16	Damage of 15 Bamboo Due to spoil disposal of Hari Datta Subedi	Solved	Duly compensated	
17	Damage of 12 Trees Due to spoil disposal of Dil Bhadr Chokal	Solved	Duly compensated	
18	Damage of 4 Trees Due to spoil disposal of Goma Chokal	Solved	Duly compensated	
19	Damage of 12 Trees Due to spoil disposal of Dil Bhadr Chokal	Solved	Duly compensated	
20	Damage of 4 Trees Due to spoil disposal of Dammar Bhadr Chokhal/ Rudra Bdr Chokhal	Solved	Duly compensated	
21	Damage of 5 Trees Due to spoil disposal of Dil Bahadr Chokhal	Solved	Duly compensated	
22	Damage of 4 Trees Due to spoil disposal of Tej Bhadr Chokal	Solved	Duly compensated	
23	Damage of 4 Gaj Amreso & 1 Kapaj Tree Due to spoil disposal of Rudra Bhadr Chokal	Solved	Duly compensated	
24	Damage of 5 Trees Due to spoil disposal of Dil Bahadr Karki	Solved	Duly compensated	
25	Damage of 5 Trees Due to spoil disposal of Bishnu Kurmari Sharma	Solved	Duly compensated	
26	Damage of 7 Trees Due to spoil disposal of Phulkumari Khatri	Solved	Duly compensated	
27	Damage of 8 Trees Due to spoil disposal of Januka Paudel	Solved	Duly compensated	
28	Damage of 17 Trees Due to spoil disposal of Mitra Kumari Khatri	Solved	Duly compensated	

SN	Description of grievance received	Status (solved/ in process/ unsolved)	Actions taken	If not solved, give reason
29	Damage of 3 Trees Due to spoil disposal of Laxmi Upaddaye	Solved	Duly compensated	
30	Damage of 7 Trees Due to spoil disposal of Ramesh Dhungana	Solved	Duly compensated	
31	Damage of 62 Trees Due to spoil disposal of Haridatta Upaddaye Subedi	Solved	Duly compensated	
32	Damage of 16 Trees Due to spoil disposal of Nagrindra Mahat	Solved	Duly compensated	
33	Damage of 8 Trees Due to spoil disposal of Yogendra + Bharat K .C	Solved	Duly compensated	
34	Damage of 4 Trees Due to spoil disposal of Rudra K C	Solved	Duly compensated	
35	Damage of 8 Trees Due to spoil disposal of Ramji Poudel	Solved	Duly compensated	
36	Damage of 13 Trees Due to spoil disposal of Laxmi Upaddye	Solved	Duly compensated	
37	Damage of 5 Trees Due to spoil disposal of SukaMaya Pun	Solved	Duly compensated	
38	Damage of 14 Trees Due to spoil disposal of Kalika Subedi	Solved	Duly compensated	
39	Damage of Land Due to spoil disposal of Chandara Kumari Karki/ Tank Karki	Solved	Duly compensated	
40	Damage of Land Due to spoil disposal of Chankdara Kumari Karki/ Tank Karki	Solved	Duly compensated	
41	Damage of Residential house Due to spoil disposal of Nainikala Sunar	Solved	Duly compensated	
42	Damage of Land Due to spoil disposal of Bhanumati kami	Solved	Duly compensated	
43	Damage of land and structure Due to spoil disposal of Ambik Kumari Khatri	Solved	Duly compensated	
44	Damage of land and structure Due to spoil disposal of Keshab Dhungana	Solved	Duly compensated	
45	Damage of land Structure Due to spoil disposal of Sekharnath Rejal	Solved	Duly compensated	
46	Damage of Drinking Water Supply Pip Due to spoil disposal of Hari Datta Subedi	Solved	Duly compensated	
47	Damage of Land Due to spoil disposal of Ratna Bahadur Bhandari, Tappta Bahadu Bhandari, Karna Bahadur Bhandari	Solved	Duly compensated	
48	Damage of Land Due to spoil disposal of Ganesh Baniya	Solved	Duly compensated	
49	Damage of Land Due to spoil disposal of Kali Khatri	Solved	Duly compensated	

SN	Description of grievance received	Status (solved/ in process/ unsolved)	Actions taken	If not solved, give reason
50	Damage of Land Residential House Due to spoil disposal of Laxmi Upaddya	Solved	Duly compensated	
51	Damage of Residential House Due to spoil disposal of Ser Bahadur Bhandari	Solved	Duly compensated	
District: Jajarkot				
1	Request for reevaluation of land compensation by Vawani Jaisi (brother of Dile jasi)	solved	CDC revised the compensation amount as per field verification	
2	Demanding compensation of missing house by Devi Nepali	solved	Duly compensation as per field verification	
3	Request for reevaluation of land compensation by Tul bdr Budha	solved	CDC revised the compensation amount as per field verification	
4	Demanding compensation of missing land by Padam bdr Shahi	solved	Duly compensation as per field verification	
5	Demanding compensation of missing land by Kali bdr Shahi	solved	Duly compensation as per field verification	
6	Demanding compensation of missing land by Dalu Shahi	solved	Duly compensation as per field verification	
7	Request for reevaluation of land compensation of Sharki kami(Plot no 749),Hari Nepali,Kalse Kami and Mansari kami(Plot no 751) by Vawani Jaisi	solved	CDC revised the compensation amount as per field verification	

Annex 9: Implementation Reporting Format

Reporting Period:

District:

Name of sub-project:

SN	Description	Indicator	Status		Remarks
			Monthly	Cumulative	
1	ToR for IEE	Completed / ongoing / proposed			
2	IEE report/Due diligence (DDR)	Completed / ongoing / proposed			
3	Awareness raising orientation training	Number of events and participants			
4a	Spoil disposal management	Preparation of spoil disposal management plan (Y/N)		-----	
		Volume of safely disposed spoil (m ³)			
		Remaining excavated materials (m ³)		-----	
4b	Toe walls for safe disposal of excavated materials	Number and volume (m ³) of toe wall constructed			
5	Bioengineering works	Amount spent (NRs.)			
		Location (chainage)			
		Area (m ²)			
		Type of measures taken			
6	Quarry site management	Location (chainage)			
		Volume of aggregates/stones supplied (m ³)			
		Rehabilitation of site (Y/N)		-----	
7	Campsite management	Supply of safe drinking water (Y/N)		-----	
		Temporary toilets constructed in camp sites (no.)			
		Energy used for cooking (fuel wood, kerosene, LPG, electricity)		-----	
8	Drainage management	Cross drainage structure (no.) & volume (m ³)			
9	Land slide and erosion control measures	Type of measures taken			
		Number and volume (m ³)			
10	Compensatory plantation in forest area	Number of plants felled			
		Establishment of nursery (number & location)			
		Plantation carried out (number of plants and area in ha)			

SN	Description	Indicator	Status		Remarks
			Monthly	Cumulative	
		Name & location of forest			
		Plantation survival rate (%)			
11	Compensatory plantation in private land	Number of plants felled			
		Plantation carried out (number of plants)			
12	Road side plantation	Plantation carried out (number of plants)			
		Location			
13	Rehabilitation of community infrastructure along road side	1. Name & Location			
		2. Name & Location			
14	Protection/Rehabilitation of culturally & religiously sensitive spots (Temple, Mane, cremation sites etc.)	1. Name & Location			
		2. Name & Location			
15	Occupational health & safety	BG group and members (no.)			
		Number of safety gears provided (helmet, facemasks etc.)			
		Use of safety gears by workers (%)			
		First aid kit provided with medicines (no.)			
		Replacement of medicines (Y/N)			
		Accidental insurance (number of workers)			
		Type & number of accident occurred			
		Compensation provided			
16	Signboard erected	Number			
		Location			
17	Meeting convened by safeguard desk	Number of meeting held			
		Environmental monitoring done			
18	Grievances received and addressed	Received number			
		Addressed number			

Annex 10: Environmental Monitoring Format

Road Name:

Monitored by:

Designation:

BG / Contractor Name:

Date:

SN	Activity	Details	Remarks
1.0	Employment generation and technical skill		
1.1	Number of local labour employed in contractor package		
1.2	Number of women in work force with BG		
1.3	Number of child workers (if any)		
1.4	Number of awareness raising training conducted and participants number		
1.5	Number of life skill training conducted and participants number		
2.0	Trade and commerce		
2.1	Number of shops increased or decreased		
2.2	Rental of houses and land spaces increased or decreased		
2.3	Volume of business increased/decreased		
2.4	Establishment of cottage industries in the vicinity of project area		
3.0	Accessibility by transportation facilities		
3.1	Saving of time and travel cost		
3.2	Number of public vehicles increased/decreased		
3.3	Cost of transportation		
4.0	Land value		
5.0	Cross drainage structure		
6.1	Landslides or other forms of slope instability		
6.1	Number and location of slope failure		
6.2	Disturbed area due to lack of drainage		
6.3	Presence of fresh gullies and erosion		
6.4	Measures for landslide and erosion control		
6.5	Application of bioengineering measures		
6.6	Establishment of nursery (no. and location)		
7.0	Disposal of spoils and construction wastes		
7.1	Cut and fill balance maintained or not		

SN	Activity	Details	Remarks
7.2	Stockpiling of construction materials done properly or not		
7.3	Care and safe storage of top soil for later use		
7.4	Spoil falling or being washed on to forest and farm land		
7.5	Compensation provided to land owner and measures to prevent further damage		
7.6	Presence of toe walls for safe disposal of excavated materials and other construction wastes		
7.7	Disposal of excavated materials and other construction wastes on hill slopes.		
7.8	Spoil disposal locations		
8.0	Water management/water quality		
8.1	Disruption of drinking or irrigation water supplies and their restoration and rehabilitation status		
8.2	Drain water discharge into farm land/risky areas		
8.3	Diversion of water away from natural water course		
8.4	Quality of surface water observed		
9.0	Community infrastructures		
9.1	Suitable reinstatement measures for disruption to community infrastructures		
10.0	Air quality		
10.1	Dust generation from construction work		
11.0	Noise pollution		
11.1	Noise from large work sites		
12.0	Quarrying of construction materials		
12.1	Pollution, disturbance and danger from quarry operations		
12.2	Rehabilitation of abandoned quarry sites		
13.0	Forest and vegetation		
13.1	Number of stumps of cut trees		
13.2	Pressure on nearby forest for firewood/timber use		
13.3	Compensatory plantation and its survival rate in forest, private land and roadside		
13.4	Sale of timber/NTFP increased/decreased		
14.0	Wildlife		
14.1	Cases of wildlife hunting by work force		
14.2	Cases of trading of wildlife products		

SN	Activity	Details	Remarks
14.3	Stratification of habitat caused by road construction		
15.0	Occupational health and safety matters		
15.1	Types and number of accident occurred		
15.2	Adequacy of safety gadgets (helmet, facemasks, muffles, gloves etc)		
15.3	Facility of first aid and emergency services provided or not		
15.4	Compensation to the loss of life or disability		
15.5	Accidental insurance for workers		
16	Camp site and storage depot management		
16.1	Location, material used for camp site construction		
16.2	Water supply and sanitary condition (clean drinking water and temporary pit latrine at camp site)		
16.3	Location of stockpile and storage depot		
17	Sites for cultural and religious values		
17.1	Protection of culturally and religiously sensitive spots (temple, mane, cremation sites, mela spot etc.)		
18	Change in migration pattern		
18.1	No. of persons migrating to other places		
18.2	No. of persons stopped migrating/return from outside		
19	Tendency of encroaching within RoW		
20	Grievances received in last month		
21	Meeting convened by safeguard desk		
22	Corrective action during safeguard meeting		

Annex 11: Photographs



Workers without safety gears



Compensatory plantation in Baitadi



Workers' camp at Katahar bari, Lamjung



Practical work in brick layer mason training



Trail access for easy transportation



Orientation to BG members in Baitadi