

# Environmental Compliance Monitoring Report

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## Semi-Annual Report

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## Nepal: Disaster Resilience of Schools Project

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

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## **ABBREVIATIONS**

ADB	–	Asian Development Bank
BoQ	-	Bill of Quantities
CLPIU	-	Central Level Project Implementation Unit
COVID-19		2019 novel coronavirus
DDR	-	Due Diligence Report
DRSP	-	Disaster Resilience Schools Project
DSC	–	Design and Supervision Consultant
DUDBC	–	Department of Urban Development and Building Construction
DLPIU	-	District Level Project Implementation Unit
EA	–	Executing Agency
EARF	-	Environmental Assessment and Review Framework
EDCU	-	Education Development and Coordination Unit
EEAP	-	Earthquake Emergency Assistance Project
EHS	-	Environment Health and Safety
EMP	-	Environmental Management Plan
EPR	-	Environment Protection Rules
GESI	-	Gender Equity and Social Inclusion
GON	–	Government of Nepal
GRC	–	Grievance Redress Committee
HQ	-	Headquarter
HSP	-	Health and Safety Plan
IA	–	Implementing Agency
IEE	-	Initial Environmental Examination
LOC	-	Land Ownership Certificate
MoEST	-	Ministry of Education, Science and Technology
NRA	-	National Reconstruction Authority
PAM	–	Project Administration Manual
PD	–	Project Director
PIU	–	Project Implementation Unit
PPE	-	Personal Protective Equipment
RE	-	Residence Engineer
REA	-	Rapid Environment Assessment
Recon	-	Re-construction
SE	-	Site Engineer
Sq. m.	-	Square Meter/s
SM	-	Safeguards and GESI Monitors
SOP	-	Standard Operational Procedures
SSDP	-	School Sector Development Plan
TLC	-	Temporary Learning Center

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## **Executive Summary**

1. The proposed project will improve disaster resilience of the school infrastructures and communities in the 14 districts of Nepal. The project is being financed for the school infrastructure investment, disaster risk management, and institutional strengthening and capacity building. More specifically, the project has targeted upgrading 130 schools through reconstructing and 180 schools through retrofitting the damaged buildings. Currently, the project has undertaken the reconstructions of 66 schools through first phase (Recon1) while review of Due Diligence Report (DDR) and updating of master plan for 106 schools selected for the second phase (Recon2) has been completed. Moreover, the field investigation for Recon3 and Retrofitting packages completed. The project has covered 8 districts namely, Kathmandu, Bhaktapur, Kavrepalanchok, Sindhuli, Sindhupalchowk, Okhaldhunga, Ramechhap and Dolakha in Recon1 (First Batch) while Nuwakot, Dhading, Gorkha and Makwanpur has been added in Recon2 (Second Batch) and Recon3 (Third Batch).

2. This Disaster Resilience of Schools Project (DRSP) is categorized as Category “B” in terms of both Environmental Safeguards with the requirements of ADB SPS 2009. In accordance with Asian Development Bank (ADB)’s Safeguard Policy Statement (SPS) 2009, an environmental assessment and review framework (EARF) is in place providing guidance for environmental screening, impact assessment, safeguard planning, and implementation. The Framework has considered the environmental management plan (EMP) suggested in the Initial Environmental Examination (IEE). The government has endorsed the EARF.

3. All the proposed schools are situated in the hilly region of the country. As Nepal is among the most hazard-prone countries in the world; earthquakes, landslides and floods are the most common and severe hazards in the country. The frequency and intensity of weather-related hazards, notably landslides, floods and droughts, may increase in Nepal due to climate change. Seismic events have the potential to trigger secondary hazards including landslides, floods, and fires. However, there is no protected areas, wetlands, mangroves, or estuaries in or near the project sites.

4. Design Supervision Consultant (DSC) team consisting of Environment Safeguards Specialist/Expert at the Team Leader (TL) office and District Level Safeguards and Gender Equity and Social Inclusion (GESI) Monitors. The monitors are filling the checklist on a monthly basis for each construction sites for EMP compliance monitoring which is being compiled and submitted in a monthly progress report. Further, the Monitors are filling safety checklist daily for each of the under construction schools under Recon1. The principal service of Design Supervision Consultant (DSC) is to support the Central Level Project Implementation Unit (CLPIU) and 13 District Level Project Implementation Units (DLPIUs) with comprehensive technical assistance to reconstruct, retrofit, and upgrade about 330 earthquake-damaged schools in the 14 earthquake most-affected districts of Nepal. DSC has been providing technical and management assistance through technical surveys and assessment, development of architectural and structural designs, procedures and processes to rebuild affected schools, training and capacity building, procurement of civil works, construction supervision, and financial management of the project civil works.

5. During this semi-annual the DSC, with the assistance from the Safeguards Monitors carried out (i) preparation of the Due Diligence Report of schools under Retrofitting packages, (ii) daily monitoring of safety of under construction schools filling safety checklist; and (iii) conduct meetings with contractors and schools for issues raised during the time of construction. In addition, safeguards experts have oriented to Safeguard Monitors of DSC in order to aware contractor to make them response regarding measures of Nobel Corona Virus (COVID-19) and its implementation at construction sites.

6. Construction of schools under Recon1 (First Batch) has completed substantially without any environmental consequences whereas construction activity ongoing on schools selected under Recon2 (Second Batch) and Retrofitting packages. The DSC recruited under the DRSP has prepared the Due Diligence Reports, Master Plan, Bill of Quantity (BoQ), and bidding documents for the 37 schools planned to be undertaken in Recon3 (Third Batch) during this biannual. The DSC safeguard team has updated and prepared Social and Environmental DDRs for Recon3 packages and reshuffled for 3 to 9 retrofitting packages.

7. Safety is the major concern during the school construction activities; like excavation of

trenches for the foundation; reinforcement works, rebar fabrication, concreting of column, slab etc. As required, the contractors have life insurance policy covering in-groups in different life insurance companies. However, the construction contractor has provided Personal Protective Equipment (PPE) to the worker, the quality of PPEs need to be improved. While the contractor has first aid box in place.

8. Orientation on safeguards was provided focusing on establishment of barriers on compound prior to start of construction work, establishment of hard barriers at the concrete slab edge, installation of project information boards. Further, installation of safety sign boards, installation of emergency numbers, establishing first aid facility around the construction of school building, OHS of labour, health and sanitation of camp sites, good housekeeping at construction material storage yard, establishment of sanitary toilets for labour, requirement of separate toilet for female workers are the major issues discussed during the orientation. Construction activity in 143 schools selected for retrofitting are started during this bi-annual gradually after tendering. However, DSC instructed retrofitting contractor to provide Environment Health and Safety (EHS) plan prior to the start of retrofitting activity.

9. Contractor have erected labour camps within the construction site and school building in most of the under-construction schools under Recon1 and Recon2. The camps are constructed using zinc sheets in most of the cases and in few cases, the unused old building spaces have been allocated as the labour camps. Housekeeping of the construction materials is another main issue to be improved by the construction contractor. The main constrain of the housekeeping is to the lack of adequate space in some sites.

10. Further, Government of Nepal has identified confirmed cases of COVID-19 in all DRSP project districts, however, no confirmed cases have been identified among the workers and staffs involving in the construction of school buildings under DRSP. Construction activity in as many as 19 schools under DRSP had been stopped due to Covid-19 pandemic. However, construction activity was ongoing in 143 under construction schools even during the time of lockdown. Similarly, as many as 11 DSC engineers including DSC Residence Engineer (RE) of Dolakha were contracted due covid-19 during this biannual whereas he was in the recovering stage. Whereas, as many as 14 workers working under DRSP get contracted from Covid-19. All the contractors have submitted the Standard Operating Procedure (SOP) drafted by the ADB for minimizing the impact of Covid-19; the contractors were able to implement only partially. However, there has not been any case of fatality in the DRSP project due to Covid-19. Contractor has submitted SOP for COVID-19 incorporating measures to be implemented during the time of construction activities of DRSP. Further, the contractor has submitted Environment Management Plan (EMP) and Health and Safety Plan (HSP) for Recon2 schools for package1- Sindhuli, package3- Gorkha Makwanpur, package5- Kavrepalanchowk, package7- Ramechhap, and package 8- Kathmandu & Bhaktapur. Submission of EMP and HSP for package2- Okhaldhunga and package6- Dolakha from contractor is under progress. The SOPs developed by National Reconstruction Authority (NRA) to keep the workplace safe during COVID-19, has been shared and distributed to contractors for its implementation.

11. Issue related to landslide and gully erosion was existed close to the 1 school (Chilaune Danda Secondary School) of Sindhuli under Recon-1 and 7 schools under Recon-2. All such issues are resolved after providing protection structures such as toe and gabion walls etc. Whereas, remaining under construction school buildings under Recon-1 and Recon-2 are safe from landslide hazards. Good housekeeping is well maintained in 88 under construction schools under Recon-2. 95 under construction schools emitting insignificant dust in the ambient environment. Similarly, 45 schools have established emergency phone numbers at the vicinity of under construction school compound. Labour camp is established close to the 105 under construction schools under Recon-1 whereas; such camps are under operation in 102 schools under Recon-2. 82 labour camps are operated maintaining hygiene kitchen and 83 labour camps have disposed waste generated from the kitchen safely. Construction contractor have made availability of first aid facility in 89 under construction schools whereas contractors in remaining school are requested to maintain such facility as soon as possible. Similarly, construction contractor has maintained good safety signboards in 86 under construction schools. Until date, no any fatal accident occurred due to the construction of schools under DRSP.

## **1. Introduction**

### **1.1 Background**

12. The earthquake in April 2015 in Nepal caused 8,700 deaths and 22,500 suffered severe injuries. There was a physical damage costing more than \$7 billion mostly in 14 of the country's 77 Districts. The Government of Nepal (GoN) requested and received support from a number of development partners, including the Asian Development Bank (ADB), to address the impacts of the damages. The immediate ADB's response was to finance the Earthquake Emergency Assistance Project to support the rebuilding of schools, roads and district-level government buildings, and to strengthen the country's resilience to future disasters. The Disaster Resilience of Schools Project (DRSP) was conceptualized to support in disaster risk reduction and meeting the school reconstruction needs. The Project aims in achieving School Sector Development Plan (SSDP) objectives to improve the quality & access to school education and management. School safety is identified as an explicit objective in the 2016-2023 SSDP being implemented by the Ministry of Education, Science, and Technology (MoEST), GoN.

13. The proposed project will improve disaster resilience of school infrastructure and communities in 14 districts (Kathmandu, Bhaktapur, Lalitpur, Kavrepalanchok, Sindhuli, Sindhupalchowk, Okhaldhunga, Ramechhap, Dolakha, Nuwakot, Dhading, Gorkha, Rasuwa and Makwanpur) of Nepal. The project will finance the school infrastructure investments, disaster risk management, and institutional strengthening and capacity building. More specifically, in according to project administration manual, the project has taken initiative to upgrade at least 130 district schools through reconstructing and 180 schools through retrofitting the damaged buildings.

14. The project has covered 8 districts namely, Kathmandu, Bhaktapur, Kavrepalanchok, Sindhuli, Sindhupalchowk, Okhaldhunga, Ramechhap and Dolakha in Recon1 (First Batch) with 66 schools while Nuwakot, Dhading, Gorkha and Makwanpur has been added in Recon2 (Second Batch) with 106 schools. Further, 37 new schools were awarded for the reconstruction under Recon3 (Third Batch) covering Kathmandu, Bhaktapur, Lalitpur, Kavrepalanchowk, Sindhupalchowk, Ramechhap, Sindhuli, Makwanpur, and Dhading districts.

15. The Design and Supervision Consultant (DSC) recruited under the DRSP has reviewed the Due Diligence Report prepared for each school, Master Plan, Bill of Quantity (BoQ), and bidding documents for the 37 schools planned to be undertaken in Recon3 (Third Batch) and contract awarded for the construction during this biannual.

16. Altogether, there are 209 schools (under Recon1, 2 and 3) that have been identified for the reconstruction and 168 school projects have been identified for the retrofitting works. All these schools are spread over the 14 most earthquake affected districts. The construction for the 66 schools under Recon1 are substantially completed without any environmental consequences. Similarly, 3 schools of Dhading has been handed over among the 106 schools under Recon2 whereas construction is ongoing for rest of the schools. Construction activity in 143 schools selected for retrofitting are started during this bi-annual gradually after tendering. However, 3 schools selected for retrofitting are under Disaster and Risk Management (DRM) consultant for its monitoring and supervision.

### **1.2 Objectives**

17. The major objective of the project is; increased disaster resilience of schools and communities and improved learning environment.

The project comprises three outputs;

- i. Reconstruction and improvement of heavily damaged schools, to include reconstruction of approximately 163 public schools (including improved facilities), and installation of solar power at approximately 130 schools;

- ii. Retrofitting of unsafe schools and reduction of disaster risk, to include development of retrofit for schools in hilly, mountainous and remote communities, retrofitting of approximately 138 public schools, and preparation and approval and field-testing of disaster risk management action plans in reconstructed and retrofitted schools; and
- iii. Strengthening of institutional capacity for disaster resilience, to include enhancements to the Borrower's Education Management information System to improve school building inventory, training of approximately 336 government engineers and engineers and approximately 336 masons for disaster resilient construction, development and endorsement of a comprehensive user manual for disaster risk reduction implementation in rural communities, and completion of a scalable pilot in approximately 3 schools on community driven retrofitting.

### **1.3 Project category**

18. This project is categorized as Category B in terms of Environmental Safeguards with the requirements of ADB Safeguards Policy Statement (SPS) 2009. Hence, an initial environmental examination (IEE) and environmental management plan (EMP) were prepared in ADB format. The IEE report had been disclosed in web in accordance with ADB's Safeguard Policy Statement (2009). The IEE report envisioned that the implementation of school infrastructure is expected to improve environmental sustainability and is unlikely to have significant adverse environmental impacts. Impacts, if any, will largely be short-term, local, and reversible and of low significance. 66 schools selected under Recon1 and 106 schools under Recon2 has been awarded for reconstruction. Moreover, 37 new schools selected for reconstruction under Recon3 are awarded to contractor recently for reconstruction. Further, 168 schools are selected for retrofitting of minor damage buildings as per output-2 of the project.

19. Similarly, the Environment Protection Act, 2019 and Environmental Protection Rules, 2020 (Amendment 2021), establish the requirement for environmental assessment in Nepal. The procedures are defined in the Environment Protection Rules, as amended. School Infrastructures requiring IEE level study according to EPR are;

- Construction of building height of more than 30m and up to 45m;
- Construction of residential or commercial building and their combination with a built-up area or floor area more than 5,000 and up to 10,000 sq. m.;
- Construction of cinema hall, theater, community complex, stadium, concert hall, sports complex with the capacity of 1000 to 2000 people accommodating at a time;
- Operation of land project within 10 to 100 ha;
- Construction of hard surface pavement (Dry port, Bus Park, Parking lot etc.) in an area of more than 5 ha;
- Construction and operation of building with the daily consumption of 10,000 to 20,000 liters of water;
- Development of housing within an area of 1 to 5 ha;
- Development of site with cutting or filling of more than 20,000 cum. earth;

### **1.4 Scope of activities and overview of project information**

#### **1.4.1 Scope**

20. The services by the DSC is to be provided over a period of four years of the DRSP project implementation. The principal service of DSC is to support the CLPIU and 13 DLPIUs with comprehensive technical assistance to reconstruct, retrofit, and upgrade about 330 earthquake-damaged schools in the 14 earthquake most-affected districts of Nepal by providing technical and management assistance through technical surveys and assessment, development of architectural and structural designs, procedures and processes to rebuild affected schools, training and capacity building, procurement of civil works, construction supervision, and financial management of the project civil works. The 14 districts currently targeted under the project are Dhading, Dolakha, Gorkha, Kathmandu, Kavrepalanchowk,

Lalitpur, Bhaktapur, Nuwakot, Okhaldungha, Ramechhap, Sindhuli, Makawanpur, Sindhupalchok and Rasuwa.

#### **1.4.2 Implementation arrangements**

21. Environmental assessment and review framework (EARF) had been established in accordance with ADB's SPS 2009, to provide guidance for environmental screening, impact assessment, safeguard planning and implementation. The Framework has considered the environmental management plan (EMP) suggested by the initial environmental examination (IEE) prepared for the Project considering six sample schools from two project districts<sup>1</sup>. The government has endorsed the EARF.

22. Design Supervision Consultant (DSC) Environment Safeguards Specialist/Expert has already been mobilized have prepared safeguard monitoring checklists covering all the issues mentioned in IEE and EMP. Moreover, Safeguards and GESI Monitors (one in each project district) have started monitoring for the safeguards issues during construction. The safeguard monitor at DLPIUs have been monitoring compliance by using standard monitoring checklist prepared by environment specialist (ES) for each individual school. Further, the monitors have maintained daily safety observation checklists and instructed contractor for any rectification required in maintaining safety, occupational health of labour as well as any issue related to environmental safeguards (a sample checklist attached in Annex 4). The monitors are filling the checklist on a monthly basis for each under construction schools and monthly progress reports are being submitted.

23. The IEE and DDR shows substantial net positive environmental benefit including;

- (i) Overall impact of the Project is anticipated to be positive with the community and students inclusive of the indigenous people benefitting by having good quality education in a decent learning environment. improved health and safety during construction;
- (ii) Impacts anticipated during implementation will be mostly reversible, of minor significance confined in subproject area for a short duration during construction phase only

24. The Safeguards Experts of the DSC, with assistance from the Safeguards and GESI Monitors are performing the following activities:

- (i) Training and orientation to contractor's site engineers, DSC site engineers, and Safeguards monitors.
- (ii) Filling up of the checklist by Safeguards and GESI Monitors prepared by Safeguards Experts;
- (iii) Preparation of safety observations reports with photographic evidence and filling safety checklists;
- (iv) Supervision and guidance to the contractors and workers to properly carry out the safety practices during construction; and
- (v) Organizing formal and informal meeting and orientation in schools and DLPIU level.

#### **1.4.3 Description of the environment**

25. The proposed schools are situated in the hilly region of the country. As Nepal is among the most hazard-prone countries in the world; earthquakes, landslides and floods are the most common and severe hazards in the country. The frequency and intensity of weather-related hazards, notably landslides, floods and droughts, may increase in Nepal due to climate change. Seismic events have the potential to trigger secondary hazards including

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<sup>1</sup> **Ramechhap District-** (i) Shree Secondary School, Jyamirekhani, Likhu Rural Municipality-6, (ii) Shree Tamakoshi Janajagriti Secondary School, Khimti Bazar, Likhu Rural Municipality-6, and (iii) Shree Secondary School, Sikral, Gelu, Manthali Municipality-12; **Dolakha District-** (i) Shree Aajadi Secondary School, Birauta, Melung Rural Municipality-7, (ii) Mahendrodya Secondary School, Mati, Bhimeshwor Municipality-5 and (iii) Kutidanda Secondary School, Makaibari, Bhimeshwor Municipality-12



landslides, floods, and fires. However, there is no protected areas, wetlands, mangroves, or estuaries in or near the school project sites under Recon1, Recon2, Recon3 and Retrofitting packages. The students will have a better school infrastructure with earthquake resilient safe classrooms, and improved basic facilities like water supply, sanitation, Laboratories, libraries, and computer learning centres. Percentage of student enrolment may increase due to improvement in the learning environment and availability of better learning facilities. Improved school infrastructures will have beneficial impact upon students, teachers, and school and local communities.

### **1.5 Project safeguards team**

26. The project safeguard team supporting the DRSP (L-3702 NEP) is presented in the following table.

Table 1-1: Project safeguard support team

Sn.	Name	Designation/Office	Office no.	Email Address	Roles	
<b>1. CLPIU</b>						
1.	Youb Raj Paudyal	Deputy Project Director, CLPIU		<a href="mailto:yrpudyal@gmail.com">yrpudyal@gmail.com</a>	Implementing agency and will look after the overall safeguards compliance of the project.	
2.	Udhab Nepal	Civil Engineer, CLPIU		<a href="mailto:Edhab73@gmail.com">Edhab73@gmail.com</a>		
3.	Suraj Parajuli	Engineer, CLPIU		<a href="mailto:surajparajuli327.sp@gmail.com">surajparajuli327.sp@gmail.com</a>	Environment Safeguards Focal Person	Safeguards Desk comprising focal persons at CLPIU will organize routine meeting at central and local levels, respectively, to review safeguard compliance performance, emerging issues, agree for corrective actions, and coordinate with technical team/contractors to implement them.
4.	Kiran Kumari Lekhak	Section Officer, CLPIU			GESI/Social Safeguards Focal Person	
<b>2. Name of DLPIU Unit Chief</b>						
1.	Arjun Rajamajhi	Kathmandu	01-5242164	<a href="mailto:arjuneji5@gmail.com">arjuneji5@gmail.com</a>	GRC2-Chair	To support and resolve complaints/grievances as quickly as possible at the local level through a process of consultation; and, if that is not possible, to provide clear and transparent procedures for appeal.
2.	Guna Raj Pokharel	Lalitpur	01-5538417	<a href="mailto:pkrl.gunaraj@gmail.com">pkrl.gunaraj@gmail.com</a>	GRC2-Chair	
3.	Bharat Bahadur Shrestha	Bhaktapur	01-6614401	<a href="mailto:shresthabb2001@yahoo.com">shresthabb2001@yahoo.com</a>	GRC2-Chair	
4.	Yuba Raj Bagale	Dhading	010-521402	<a href="mailto:bagaleyb@gmail.com">bagaleyb@gmail.com</a>	GRC2-Chair	
5.	Dina Nath Gautam	Nuwakot	010-560347	<a href="mailto:dngreddhankuta@gmail.com">dngreddhankuta@gmail.com</a>	GRC2-Chair	
6.	Bishnu Prasad Mishra	Gorkha	064-420105	<a href="mailto:mishrabbp53@gmail.com">mishrabbp53@gmail.com</a>	GRC2-Chair	
7.	Badri Bahadur Pathak	Makawanpur	057-520869	<a href="mailto:bpathak071@gmail.com">bpathak071@gmail.com</a>	GRC2-Chair	
8.	Dwarika Prasad Pokharel	Kavrepalchowk	011-490117	<a href="mailto:dwarikapokharel164@gmail.com">dwarikapokharel164@gmail.com</a>	GRC2-Chair	Responsible for monitoring compliance by using standard monitoring checklist prepared by ES for each individual school. The DLPIU will verify and submit safeguard monitoring report in a standard format to CLPIU and ADB. The reports will contain summary of work progress during the reporting
9.	Govinda Raj Sedhai	Rasuwa	010-540086	<a href="mailto:govindaraj.sedhai@gmail.com">govindaraj.sedhai@gmail.com</a>	GRC2-Chair	
10.	Yam Bahadur Khadka	Sindhupalchowk	011-620085	<a href="mailto:khadkaybk@gmail.com">khadkaybk@gmail.com</a>	GRC2-Chair	
11.	Dev Kumar Baral	Dolakha	049-421795	<a href="mailto:debkumarbaral@yahoo.com">debkumarbaral@yahoo.com</a>	GRC2-Chair	
12.	Shiva Kumar Sapkota	Sindhuli	047-520640	<a href="mailto:sapkotashiba@yahoo.com">sapkotashiba@yahoo.com</a>	GRC2-Chair	
13.	Nirmal Kumar Ghimire	Ramechhap	048-540549	<a href="mailto:nirmire@yahoo.com">nirmire@yahoo.com</a>	GRC2-Chair	
14.	Bal Bahadur Karki	Okhaldhunga		<a href="mailto:balabahadurkarki@gmail.com">balabahadurkarki@gmail.com</a>	GRC2-Chair	

## Semi-annual Environmental Compliance Monitoring Report July-December 2021

Sn.	Name	Designation/Office	Office no.	Email Address	Roles	
						period, quality of safeguards compliance, recommended corrective actions, and follow-up on corrective actions agreed in the last report.
	<b>3. DLPIU engineers</b>					
1.	Ajay Kr. Yadav	Engineer, DLPIU, Bhaktapur	01-6614401	ajay6456@gmail.com	Environment Safeguards Focal Person	Responsible for undertaking overall environmental social and GESI compliance in the subproject activities in the district.
2.	Shyam Babu Sha	Technical Assistant, DLPIU, Bhaktapur			GESI/Social Safeguards Focal Person	
3.	Rajendra Shrestha	Engineer, DLPIU, Dolakha	049-421105	rajendra.stha158@gmail.com	Environment Safeguards Focal Person	
4.	Pratik Raj Karki	Engineer, DLPIU, Dolakha			GESI/Social Safeguards Focal Person	
5.	Sovit Shrestha	Engineer, DLPIU, Kavrepalanchok	011-490117	sovit09086@gmail.com	Environment Safeguards Focal Person	
6.	Yadu Bikram Thapa	Engineer, DLPIU, Kavrepalanchok		yadu2038@gmail.com	GESI/Social Safeguards focal person	
7.	Sagar Paudel	Engineer, DLPIU, Kathmandu	01-5242164	poudelsagar47@gmail.com	Environment Safeguards Focal Person	
8.	Kopila Gyawali	Section Officer, DLPIU, Kathmandu			GESI/Social Safeguards focal person	
9.	Anil Kumar Yadav	Engineer, DLPIU, Sindhuli	047-520640	yanil0070@gmail.com	Environment Safeguards Focal Person	
10.	Durga Prasad Kafle	Section officer, DLPIU, Sindhuli			GESI/Social Safeguards focal person	
11.	Sabin Lama	Engineer, DLPIU, Okhaldhunga	037-520236	mrnibas09@gmail.com	Environment Safeguards Focal Person	
12.	Om Prasad Gautam	Section officer, DLPIU, Okhaldhunga			GESI/Social Safeguards focal person	
13.	Sundar Shyam Ghimire	Engineer, DLPIU, Ramechhap	048-540549	ssghimire1971@gmail.com	Environment Safeguards Focal Person	
14.	Kumar Prasad Subedi	Non Gazzetted First class, DLPIU, Ramechhap			GESI/Social Safeguards focal person	

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Sn.	Name	Designation/Office	Office no.	Email Address	Roles
15.	Sher Bdr Pujara	Engineer, DLPIU, Sindhupalchwok	011-620085	sherp7@gmail.com	Environment Safeguards Focal Person
16.	Monika Joshi	Sub-Engineer, DLPIU, Sindhupalchwok			GESI/Social Safeguards focal person
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Sn.	Name	Designation/Office	Office no.	Email Address	Roles
3.	Prakash Panday	GESI Expert/KTM head quarter	01-5245144	ppanday029@hotmail.com	Monitoring, supervision and implementation of GESI action plan of DRSP Schools of L-3702 NEP
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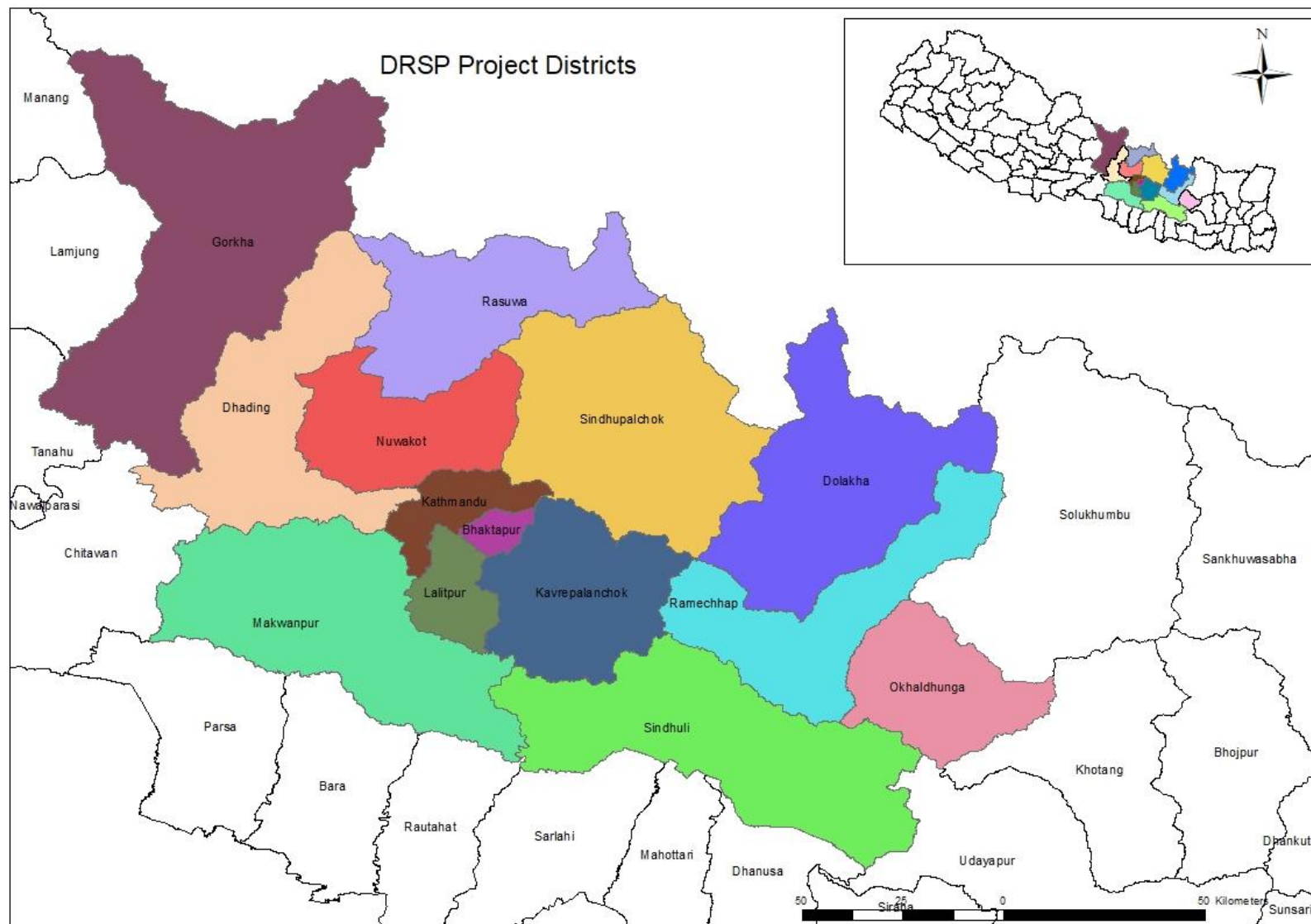


Figure 1-1: DRSP Project Districts.

## **1.6 Overall project progress and status**

27. Construction activity is substantially completed in the 66 schools under Recon1 (First Batch). Except the Okhaldhunga Package (which has 7 schools), fifty-nine schools constructed under Recon1 has been handed over to School Management Committee after complying all the environmental, health and safety issues. However, there has been an average Physical Progress of 80.28% in Okhaldhunga

28. Similarly, construction of additional 106 schools under Recon2 (Second Batch) is ongoing. Construction of 106 schools under Recon2 is under progress and are in different stage of implementation. Schools under Recon2 was awarded to contractor in 9 construction packages which include 106 different school sites in Recon2 spread over 12 districts. There has been an average Physical Progress of 76%, with highest being in Dhading registering more than (98%) and lowest being in Okhaldhunga (34) %, against a time lapse of 125% for Dhading and 69% in Okhaldhunga respectively.

29. Further, 37 new schools selected for the reconstruction under Recon3 (Third Batch) have been awarded to the contractor for the reconstruction. However, the contractor is in mobilization stage. Design Supervision Consultant (DSC) instructed contractor under Recon3 for the submission of construction Environmental Management Plan, Health and Safety Management Plan etc.

30. Construction activity in 143 schools selected for retrofitting is started during this bi-annual. It is a mixed basket with highest being 95% and lowest 38.5% for Kathmandu and Sindhupalchowk respectively in Retro 1 & 2 and highest being 49.55% and lowest 43.60 % for Kathmandu and Lalitpur respectively in Retro 3 & 4. One of the primary reasons for the slow startup for the Retro 3 & 4 is that subsoil investigation had to be undertaken before the start of the actual work and also Covid effect has been significant for Kathmandu. However, DSC had instructed retrofitting contractor to provide EHS plan prior to the start of retrofitting activity.

### **1.6.1 Description of Environment, health and safety status**

31. Contractor has submitted SOP for COVID-19 in reference to the draft SOP made available from ADB. Measures to minimize impact of COVID-19 are incorporated in the SOP. Further, the contractor has submitted EMP and HSP for Recon2 schools for package1- Sindhuli, package3- Gorkha Makwanpur, package5- Kavrepalanchowk, package7- Ramechhap, and package 8- Kathmandu & Bhaktapur. Submission of EMP and HSP for package2- Okhaldhunga and package6- Dolakha from contractor is under progress. The standard operational procedures (SOPs) developed by National Reconstruction Authority (NRA) to keep the workplace safe during COVID-19, has been shared and distributed to contractors for its implementation. Contractors are further instructed to install hand washing facility, responsible for regular monitoring of temperature for all construction workers at site. Further, contractors are responsible for displaying information pamphlets regarding safety measures during Covid-19, (consisting hand washing methods, maintaining social distancing of 2m, regular monitoring of temperature which should be less than 100.4 degree, cover nose/mouth with elbow while sneezing etc.). Moreover, contractors are responsible for providing separate water bottles for drinking water to each workers and; maintain social distancing/use of face mask as protection measures at working site.

32. As required, the contractors have purchase life insurance policy covering in-groups in different life insurance companies. The construction contractors have provided PPE to the workers, however, the quality of PPEs need to be improved. While the contractors had first aid box in place however, further improvement can be made on the adequacy as instructed. Instructions have given to maintain safety signboards around the construction site. The contractor have erected project information boards at the entry gate of under- construction schools. Emergency phone numbers is also in place in under construction sites in case of handling emergency situation.

33. Safety is the major concern during the construction activities of schools under Recon1 Recon2 and Recon3 like excavation of trenches for the foundation; reinforcement works, rebar fabrication, concreting of column and slab etc. Most of the under construction activities are done in traditional style using construction materials such as wood, ply wood, re-bars, iron poles and bamboo for the support of under construction permanent structures like slab and column and for barricade. Zinc sheets are being used by some of the contractors for fencing and barricading around the construction site. Hard and soft barricades around the construction sites applied as per requirement and site conditions. Instruction provided to contractors strictly for the installation of hard barricade at the edge of the concrete slab until the safe protection wall not been constructed. Most of the proposed school are operating under temporary learning centers (TLCs) due to the under-construction of damaged school buildings situated within the school premises.

34. Working at heights (as some of the buildings are 3 storied height- approx. 12m) is one of the major safety concern faced in all the under construction sites. As most of the contractors following the traditional practice of platform erection for the working at heights without harness and belts, the practice has become susceptible to potential accidents. Therefore, it is suggested to establish safety platform using local materials such as bamboo, wood etc. which should have the safety barriers to prevent falling. In addition, suggestions have been made to use harness while working height of more than 2 meters above the ground level. Nevertheless, working at height establishing safety platform outside the building is completed significantly in most of the schools under Recon1, but those issues are likely to be raised in the school buildings which are yet to be constructed under Recon2 and Recon3.

35. Contractor have erected labour camps within the construction site and school building in most of the under-construction schools. The camps are constructed using zinc sheets in most of the cases and in few cases, the unused old building spaces have been allocated as the labour camps. In some cases workers have shifted and accommodated into rooms of under construction school building. Whereas, recommendation has been made to improve ventilation, lighting, and sanitation condition of the camps. In a few cases, separate toilets are constructed with the excavation of pit and with zinc roof for workers whereas in most of cases the workers are using old toilets of the school.

36. Housekeeping of the construction materials is another main issue to be improved by the construction contractor. The main constrain of the housekeeping is to the lack of adequate space in some sites. However, contractors were instructed to maintain good housekeeping practices and managing all the construction wastes. There were significant number of used cement bags generated during the time of concreting of slabs and columns in the site. Therefore, the contractors were instructed to store the used bags properly and reuse as far as possible. Contractors have now started improving the housekeeping practices.

37. Contractors have supplied potable water to labour workers in labour camps. Water has been supplied from water tankers for washing and kitchen purpose. Contractors were instructed for the establishment of separate toilet for the workers and not to use school toilet. Contractors have supplied adequate water for the camps and toilets established. In some of the sites, the contractors have supplied potable water to labour workers in labour camps. Water has been supplied from water tankers for washing and kitchen purpose.

38. Any sort of non-compliance or safety issue (availability and use of PPEs to workers and site engineers, issue related to labour camps, First Aid facility, Injuries and accident, sanitation, land stability around the school, toilet for workers, drainage, disposal of wastes etc.) are being closely monitored. A Health and Safety checklist has been prepared and the Safeguards and GESI Monitors have started using the same with contractor in the loop. The forms have been designed with compliance reporting with photographic evidences on a time bound action plan. The use of checklist has proven to be effective, thus the observed issues are being addressed, and complied.



39. All the DSC site engineers had faced series challenges to cope with the consequences of lockdown. However, construction work is ongoing during this biannual after the improvement of the situation.

40. Construction of Jalapa SS, Kalimani of Okhaldhunga is completed substantially and however, the safety status is to be improved. Adequate PPEs to be provided by the contractor to workers. Further, barricading at the site as well as safety platform to be established. The issue of unstable slope had already been solved in most sites of the Okhaldhunga. Safety sign board with emergency number was maintained in Jalapa SS, Kalimani and Jalapa SS, Tarkerabari. First Aid Kit box was only available in few sites however; the contents of the box is to be improved. Satisfactory Housekeeping had been observed which had been maintained than last quarter in some sites. COVID-19 information pamphlets, No Safety Signage board, No Emergency Phone Numbers, no handwashing facility, awareness pamphlets and sanitizing dispenser to be in place in all under construction schools under Recon1. GRC had been formed in all of the Recon I schools but no any grievance had been received.

41. No visible air pollution, impact upon water bodies and ambient environment identified due to reconstruction of schools under Recon 2 of Sindhupalchowk. Installation of site barricading, use of PPE by labour, physical safety barrier at the edge of slab and staircase, management of construction and kitchen waste, placement of first aid box, installation of safety sign board are strictly instructed to contractor. In schools under Retrofitting and reconstruction (Recon2), placement of soap and water for hygiene maintenance is focused during site visit and instructed labour to maintain social distance with the community. Contractors were instructed to place awareness raising flyer on COVID-19 in site as well as maintain minimum requirement in site as per NRA Guideline, proper placement of information board, safety sign board, and proper management of PPEs. During the site visit flyer related to COVID-19 is mostly observed in site. For the COVID safety, in all schools under Retrofitting school and Recon2, placement of soap and water for hygiene maintenance is focused during site visit and instructed labor to maintain social distance with the community.

42. The construction works is ongoing in all school sites of Nuwakot under Recon2, whereas three schools are completed substantially are about to hand over. The contractors were instructed to provide PPEs and repair damaged barricade and affix the emergency phone numbers around the construction site, first aid facility at sites immediately in all the under construction sites under Recon2. Labor camp with drinking water, cooking and toilet facilities with average hygiene condition is available. The contractor has already established temporary site barricades in some schools and some have been replaced with fences. Although partial improvements have been made, labor camp waste management, sanitation and hygiene are still some major issues at the site. The contractor was further suggested for good housekeeping which includes cleaning the site, manage the waste and surplus and manage the new materials in one place.

43. Construction work under Recon2 of Gorkha is ongoing without any environment issue. The first aid facility, safety signboard, project information, emergence numbers are available at all under construction sites. The work at site the sanitation of the labour camp of all sites was good condition. The work at site the sanitation of the labour camp of all sites was good condition. However, contractor is instructed to provide PPEs to all workers. Until date, there is no huge impact on water quality, air quality, biodiversity, wild fauna and flora and even no forest encroached due to construction on all sites. Similarly, all sites are far from core city area though there is no pollution problem like air pollution and noise pollution due to construction work.

44. Construction of 9 school buildings under Recon-2 in the Kavrepalanchowk is under progress however, contractor has been instructed to provide thermal gun, sanitizer at the site. However, contractor is instructed to provide safety gears like helmet, Safety boot, Safety Jacket and safety gloves in the site and also require motivation from contractor's side to workers for its regular use. No communicable and vector borne disease among construction

workers is identified. There is no impact on water quality, air quality, biodiversity, wild fauna and flora and even no forest encroached due to construction on both sites. Since, the sites are far from core city area there is no pollution problem like air pollution and noise pollution due to construction work. Similarly, contractors were instructed to provide adequate and proper PPEs to workers working at 7 schools under retrofitting of the Kavrepalanchowk district.

45. Construction of 11 Schools under Recon-2 in Dolakha district on going safely without any environment issue. The ongoing construction activities has been taken without any visible pollution or impact upon water sources, air, and noise. The condition of slope stability around the school's area are stable. Whereas contractor has made available PPEs to workers such as safety helmet, safety boot, safety jacket and safety gloves along with soap and water available in most of the site. The waste obtained from labour camp is buried in pits and taken away by locals for cattle feeding. The water supply condition is good as they consume water from nearby natural spring sources in most of the schools. Contractor has maintained separate labor camp for female workers in the sites. Necessary instruction regarding proper use of PPEs and safety barrier has been instructed to contractors for timely implementation on respective sites. Contractor is instructed to make available of first aid box in all under construction schools under Recon-2. Necessary instruction regarding proper use of PPEs and safety barrier has been instructed to contractors and its timely implementation.

46. Construction is ongoing in all 3 schools under Recon-2 of Makwanpur district as presented in the physical progress section of this report. This reporting period does not show any recorded social, environmental and GESI issues in all the three sites. Insurance of the workers was done by contractor and equal payments have been made to each worker depending on their skills. All the three sites have labour camp with drinking water, cooking and toilet facilities with average hygiene condition. However, contractor's SEs were constantly suggested to manage kitchen waste and follow good housekeeping activities to maintain hygiene and sanitation at the site during every site visit. Safety signage, project information board and COVID-19 signage are available in all the sites. First aid and emergency phone numbers are in the process to be made available. Project information signage and Safety information signage are available in all three sites. Contractor is instructed to make available of First aid kit in Shree Pashupatinath SS and Bal Ujwal SS to the earliest. Further, instructed to manage waste generated from camp maintaining sanitation and hygiene at those two under construction sites. The contractor was further suggested to maintain good housekeeping which includes cleaning the site, manage the waste and surplus and manage the new materials in one place. There is no record of vector borne or communicable disease in all the three sites during the reporting period.

47. The construction work in three schools of the Dhading District under Recon2 has been completed and construction is ongoing in the remaining schools. The first aid box, safety signboards, project information and emergency phone numbers are available in under construction sites. Contractor has installed safety signboards and emergency number in placed in all construction site of Dhading. Contractor is instructed to install pamphlets on information about Covid 19 that depicting hand wash, sanitizer facility and other precautions at construction sites. The sanitation of the labour camp of construction implementing sites is good in condition. The construction work on all ongoing sites has started with local labours and are getting the payment depending upon their work type (skilled, unskilled). Contractor is instructed to maintain safety at height as work at height is ongoing in first floor, second floor and top floor slab in some of construction sites and likewise, strictly instructed to maintain safe physical barrier around slab edge.

48. All together 15 Schools are being constructed under Recon2 and 9 schools are under retrofit programs in Sindhuli district. During construction work, no any visible pollution followed by no impact upon water sources, air, and noise. The condition of slope stability around the schools area is stable. The overall safety status of under construction schools in Sindhuli District is acceptable. However; contractor is instructed to maintain satisfactory number of safety gears to workers. Until date, no any fatal case and issue occurred due to construction.

Contractor is instructed to dispose construction waste only in designated sites safely. As majority of the workers working in the schools of Sindhuli are from different province of Nepal as well as from India the contractor was instructed to maintain adequate and proper Covid-19 protocols.

49. Similarly, most of the site under Recon2 of Okhaldhunga district had been in stopped in October and November due to festival and lack of manpower. Though, instruction had been given to store the construction and safety materials adequately. The road access to the sites was good in condition though, irregular work had been ongoing in most sites. RCC work had been started in most of the under construction school. Construction work had been irregular in Patle SS due to road access and lack of materials access. First aid kit had reached all site and medicines along with many essential items had been refill in many sites. Hard barricading work had been done in most sites except Chatrapragati SS and Kalika SS; however, instructed to maintain as soon as possible. While in Maheshwor SS, school representatives had requested to barricade and separate the construction area and school area. Overall Safety status of Recon2 in Okhaldhunga are much better maintained than third quarter. Construction work under the Recon2 had been continuous from December 2021. Labor camp was built in Bhimsenthana SS, Chhatrapragati SS, Kalika SS, Maheshwor SS, Patle SS, and Harkapur SS. In other sites, Labor had been staying in existing building as camps. Labor camp was good in case of ventilation and lighting and sanitation was also acceptable. Project Information Board, Safety Sign Board and Covid-19 Flex had reached in most of the sites. Housekeeping was satisfactory in sites but proper housekeeping is still necessary to be improved. Drinking water is available easily in all the under construction school except in Niketan SS. The slope is stable in all sites for building construction except in Harkapur SS, Niketan SS and Kalika SS (Moli).

50. Further, All the proposed school area under retrofitting purposes are stable and do not comprise any area vulnerable to slides and other natural hazards. Retrofitting activity will not have impact upon surrounding natural resources. No area of cultural and religious importance is existed close to the proposed schools for retrofitting. Nevertheless, few impacts those are site-specific and needs to be considered are as follows;

- a. Impacts generated from demolition and construction wastes and spoil disposal will be mitigated disposing at designated location. Contractor will avoid disposal of such waste along hillside, private land, forest area and cultivated land.
- b. Noise pollution during the demolition and construction will be minimized or mitigated with the coordination of SMC scheduling drilling and demolition time avoiding disturbances to running classes during daytime.
- c. Dust generation during demolition and construction will be minimized and mitigated with the application of green net covering building proposed for retrofitting. Water sprinkling will be carried along the construction area and wetting covering net to catch dust produced during demolition activity.
- d. Solid-waste generation from the establishment of labour camp and toilet will be disposed safely in a soak pit and will be closed after completion of construction work.
- e. Any spillage of fuel and oil during construction will be collected using saw dust, jute and will be disposed safely ensuring no contamination of underground water, water supply system and surface water bodies as well as productive land area.
- f. No adverse impact on environment is expected during and after the construction. However, noise will be generated during the time of demolition and will be significant during the daytime while classes will be running in adjacent school buildings. Similarly, rubbles will be generated from the demolition of rickety structures; however, all such demolition waste will be disposed within the school premises. Dust will be generated significantly during the demolition activity. Recovery and stacking of

stones reusable for construction of walls will be collected and stacked by the contractor before commencement of construction activities at site. Excavated rubbles will be disposed for filling and leveling of the play area of the school.

59. Restoration of existing landscape together with constructed school building is ongoing at Chilaune Danda SS of Sindhuli under Recon1. Experts from DSC and CLPIU visited the Chilaune Danda SS for further assessment during the month of December 2021. The assessment team had proposed additional measures of mitigation for the protection of landslide around the school. Issue related to landslide and gully erosion was existed close to 5 schools under Recon2. All such issues are resolved after providing protection structures such as toe and gabion walls etc. Whereas, remaining under construction school buildings under Recon-1 and Recon-2 are safe from landslide hazards. As most of the schools under Recon-1 are handed over without any remnants of environmental issues. Whereas, good housekeeping is well maintained in 86 under construction schools under Recon2. 95 under construction schools emitting insignificant dust in the ambient environment. Similarly, 51 schools have established emergency phone numbers at the vicinity of under construction schools under Recon2. Labour camp is established close to the 105 under construction schools under Recon-2. 80 labour camps are operated maintaining hygiene kitchen and also have disposed waste generated from the kitchen safely. Construction contractor have made availability of first aid facility in 6 schools of Okhaldhunga under Recon1 and 91 under construction schools of Recon2; whereas contractors in remaining school are instructed to maintain such facility as soon as possible. Similarly, construction contractor has maintained good safety signboards in 85 under construction schools. Until date, no any fatal accident occurred due to the construction of schools under DRSP.

60. Moreover, there is no issue related to landslide and gully erosion under retrofitting schools. Good housekeeping of construction materials is maintained in 12 schools under retrofitting. Similarly, 4 schools under retrofitting activity have maintained emergency phone number whereas labour camps are established in 12 schools selected for retrofitting. Camps with hygienic kitchen together with good sanitation, separate toilets for labour, safe disposed waste from kitchen in 14 retrofitting schools. Further, contractor has maintained first aid box in 12 retrofitting schools. Environmental performance of the project is presented in the Table 1-3. Whereas, the detail analysis of quantified data is presented in the Annex 5.

### **Covid impact and Response**

61. Contractors under Recon2 had affixed pamphlets depicting measures avoiding risk due to Covid-19 such as hand washing methods, maintaining social distancing of 2m, provide separate water bottles for drinking to each worker. Further, contractor had established measures such as hand washing facilities, measuring temperature of workers using thermal gun, pasting of pamphlets depicting hand washing procedure and symptoms of COVID-19 are in place in school construction sites. A detailed safety checklist developed in order to assess the facilities that the contractor has provided has been regularly filled up by the safeguards monitors and submitted to the Safeguard Specialist at DSC, Headquarter (HQ) on a regular basis (Annex 4A). Similarly, a sample filled checklists used to assess COVID-19 issues in some of the schools are presented in the Annex-4B.

62. With the decrease in severity of COVID-19 pandemic construction activity was undertaken in almost all under construction schools during this biannual. No one found to be contracted from COVID-19 during this biannual. All the contractors have submitted the SOP drafted by the ADB for minimizing the impact of COVID-19; the contractors were able to implement the SOP partially. However, there was no any case of fatality in the DRSP project due to COVID-19 and all the under construction works are being continuing without adverse impact from COVID-19. A glance of COVID response status of the project is presented in the separate table in Annex 4C.

63. In Okhaldhunga, though COVID-19 victims around the sites had decreased meanwhile contractors are strictly given order to maintain hand washing facilities, hand sanitizers and

masks in all the sites. Most of the Laborers in all the sites are out of community while they haven't been influx/efflux from the sites. However, local workers had been influx/efflux. Site engineers had been taking safety personally to fight against COVID-19. Facilities like hand washing (soap and water) and masks in all the sites under Recon1 except Jalpa SS of Tarkerabari to be provided and improved. Handwashing facility and sanitizing dispenser has been kept at the entrance of site in some sites under Recon2. Masks and sanitizers had been reached in all the sites of Recon2. COVID-19 Flex had been also reached most of the sites of Recon2. Covid information flex was available in most of the sites. However, contractors were requested to maintain safety to minimize impact from COVID-19. Site engineers had been taking safety personally to fight against COVID-19. A total of 53 DSC site engineers under Recon2 and 3 site engineers under Recon1 have received first & second dose of vaccine against COVID-19 whereas only 15 site engineers have managed to receive first dose. However, 44 DSC site engineers are not being able to get vaccination against COVID-19.

**a) Provision to safeguard the workers and monitors health during the Pandemic Situation**

64. Contractor had submitted Standard Operating Procedure (SOP) for COVID-19. The main objectives of the SOP are to minimize the risk from COVID-19 in the construction site under DRSP. Further, contractor is instructed to fill up the checklist to ensure all the measures implemented to minimize risk from COVID-19 pandemic in workplace. However, Safeguards Monitors from DSC have been filling up checklist during their site to the under-construction schools.

**b) Response and mitigation measures for COVID-19 effects**

65. In response to the instruction provided to contractor for the submission of SOP responding to the mitigation of COVID-19 and its implication; the contractors were able to establish hand washing facility, facility for measuring temperature before starting of construction work daily, affixing and displaying covid related pamphlets published by Department of Information at construction sites that depicting measures to be adopted such as procedure of hand washing, maintaining social distance, use of face mask, using sanitizer, and major symptoms of covid-19. Contractor had reduced workers from outer community at most of the under construction sites due to lockdown imposed by the government. Local workers were provided opportunity in the construction of school buildings. Whereas, in some cases workers were confirmed within the construction site and are not allowed to move out from the construction area to avoid contagion. In most of the school construction under DRSP, contractor had small groups of workers working during this biannual. Though, construction in some of the schools were halted; contractor managed to continue construction activity where possible adopting measures that could be maintained as per the local condition of the country. However, the contractor is able to implement SOP partially. Health/safety status of the under construction schools are presented in Table 1-2.

## 1.6.2 Environment, health and safety status of the under construction schools in DRSP project districts

Table 1-2: Environment health and safety status of the under-construction schools of DRSP District Schools

Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
Emergency telephone numbers in place	Emergency telephone number is in place at all construction sites.	In place in 5 school out of 15; instructed to install as soon as possible	Emergency numbers are kept at sites; however instructed contractor to keep in all sites.	Phone numbers of nearby health post, schoolteachers, and contractor supervisor are in place on 9 out of 11 schools and others are instructed to comply soon.	Available in all 3 schools out of 5 under Retrofitting schools, whereas available in all 8 schools under Recon2.	Available only in few of the schools; instructed to comply soon in other schools.	Available in all sites.	Available in all of the sites.	Available in all sites.	Emergency telephone numbers have been provided in all sites.	available in all of the sites.	Installed in 4 sites
Insurance of the worker	Insurance of the workers checked and verified.	Group insurance policy. In all 15 schools	Group insurance policy.	Group insurance policy. In all 11 schools	Insurance is done	Labour insurance of all workers (package system)	Package insurance available in all sites	Available in all of the sites.	Package insurance available in all sites.	Contractors have verbally assured that group insurance has done.	Available in all of the sites.	Group insurance policy. In all 4 schools
Tool Box Meeting		Yes	Yes	Yes	Yes	Rarely done	Rarely done	Yes	Maintained	No	Yes	Yes
Barricading around the school	Barricading finish in some sites under Recon2. Whereas contractor will start barricading in CHRA soon, while incomplete in few like MAAR, BHAN schools.	Completely done in all 15 sites and in remaining two partial barricading was done	Most of schools have proper barricade to restrict the movement of students.	All the schools had done site barricading.	Available around the school. Instructed to improve.	Barricading done by Zinc sheet in most of the schools while barricade needs to be reinstalled.	Barricading done by Zinc sheet in most of the schools while barricade needs to be reinstalled	Yes.	CGI sheet barricade done in all sites	Out of the 3 schools site barricading is done at 2 and for BAAL instructed	Yes.	Completely done in all sites
First Aid Box	Available at most of the schools however, need to refill	Presence of first aid box at all sites	First aid box available in most of the schools; however,	First aid box on place. Instructed to improve the facility.	Available in six schools. Instructed to place in	Available in most of the sites however, instructed contractor to refill	Available in sites	Available	Available in some sites need to refill first	First Aid box is available in two schools and contractor was instructed	Available in all	Presence of first aid box at all sites

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Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
	all the essential items. Whereas, not available in MAAR.		instructed to place in all the school construction site.		other schools as well.	with adequate contents of first aid.			aid materials	to provide first aid in the other school		
First Aider	No any authorised person for the first aider	No separate First Aider but contractor supervisor are performing that role	Site Supervisor is responsible person for first aid	Site supervisor	Site in charge /supervisor	Not available	Site supervisor	Site supervisor	Safety supervisor	Site Supervisor is responsible person for first aid	Site supervisor	No separate First Aider but contractor supervisor are performing that role
Contractor's environmental assurance officer	Available	No	Requested contractor to appoint the assurance officer soon.	Requested contractor to appoint the assurance officer soon.	Requested contractor to appoint the assurance officer soon.	Not available	Not yet available	Contractors SE are doing the entire task relating to Environment and Social issues. In addition, contractors' supervisor is instructed to implement safety.	Contractors SE are doing the entire task relating to Environment and Social issues. Also, contractors' supervisor is instructed to implement safety.	An environment/safety officer was appointed by contractor in the month of March 2021	Contractors SE are doing the entire task relating to Environment and Social issues.	No
Establishment of camp	Yes, IN ALL. Good lighting and water facility is available.	Presence of Labour camp in all sites	Camp was established separately	Bedding material, lighting, cooking, washing, bathing facility within the school premises in temporary shelters.	Bedding material, lighting, cooking, washing, bathing facility available.	In some schools, old school building has been used as a labour camp while in some made up of tin with light, LPG stove, sleeping mat.	In some schools, old school building has been used as a labour camp while in some made up of tin with light, LPG stove, sleeping mat.	Established nearby the construction site. Cooking, washing, bathing facility available.	Established nearby the construction site. Cooking, washing, bathing facility available.	Camp established with bedding, washing, and cleaning and toilet facility within the school premises	Established nearby the construction site. Cooking, washing, bathing facility available.	Presence of Labour camp in all sites
Potable water supply and	Maintained	Presence of water supply	Available	Available	Available	Available	Available in sites,	Available	Available in sites	Available	Available	Presence of water supply

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Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
sanitation at the camp site		and sanitation at all the sites					sanitation to be improved.					and sanitation at all the sites
Use of energy in camps and project site	LPG gas was provided in all sites, instructed not to use firewood.	LPG gas in all sites	Electricity, LPG, locally available firewood. Instructions are given to use LPG gas for cooking.	Electricity, LPG.	Electricity and LPG	Electricity, LPG for cooking	Electricity, LPG for cooking.	Electricity, LPG for cooking.	Electricity, LPG for cooking.	Electricity, LPG for cooking.	Electricity, LPG for cooking.	LPG gas in all sites and also used fire wood for cooking
Establishment of proper signage boards for safety	ALL but destroyed in CHRA	Presence of proper safety signage board at sites	Most of the school have installed information and safety boards	Most of the sites have placed the proper signage and safety board. Requested contractor to improve safety	Requested contractor to install in site.	Available in most of the sites	Available in sites	Available.	Available	Project information and safety signage is available	Available	Presence of proper safety signage board at site
Use of PPEs by workers	ALL	Proper use of PPEs by workers	Initially PPEs were very well maintain, however, with the time most of the schools are fail to maintain PPEs therefore instructed to provide PPEs to workers.	Practised, but yet to be improved.	Practised, but yet to be improved.	PPE available but negligence in its use has been seen in some sites.	Regularly supervised by safety supervisor, however, negligence in its use has been seen in some sites.	Yes, but to be improved. While adding new workers they are not provided immediately.	Yes, but to be improved in some schools. While adding new workers they are not provided immediately.	Most of the labour was found using the safety helmets. Instructed to provide PPE at the earliest including COVID safety.	Yes, but monitoring of PPEs lacking	Proper use of PPEs by workers; instructed to make available for full sets of PPEs is not present in all sites
Use of safety harness while working in scaffolding and above ground level	Most of the sites	Harness are rarely used; however, instructed.	The workers rarely use harness, as they are not familiar with it. Local materials like bamboo are being used	Use of safety harness started in some schools. Instructed to use safety harness while working at height.	Instructed to use safety belt while working in height	Instead of harness, use of bamboo ladder, ropes and zinc sheet are existed.	Bamboo ladder, ropes and zinc sheet used while working at height	Instructed to maintain safety platforms while working at height but they do not use safety belt.	Instructed to maintain safety platforms, but lacking safety belts. Bamboo barricading is done in some schools.	Instructed to maintain safety platforms including harness while working at height	Instructed to maintain safety platforms /slab barricading while working at height	Will be monitored



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Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
Plans prepared prior to the implementation	Available in most but not all labours.	Implemented	Implemented	Yes	Yes	Plan in place however, instructed contractor to revise the plan.	Handle painting chemical safely	Yes	Yes	Implemented	Yes	Implemented
Air/Dust and Noise	Not available	No air dust and noise pollution in all site	No issues related to pollution	No	No	Noise produced by electrical instrument and dust by using excavator during work.	Noise produced mostly by generator and dust by using excavator during work.	No air pollution but noise pollution is there during Railing work.	No air pollution but noise pollution is there during rod cutting.	No	No air pollution and noise pollution	No air dust and noise pollution in all site
Disturbance to existing traffic flow		No any disturbance	No	No	No	All sites are quite far from core city area	All sites are quite far from core city area	No.	No	Not significant impact	No.	No any disturbance
Housekeeping	Air pollution is absent while noise is acceptable	Good housekeeping implemented	Average	Average, but needs improvement.	Average condition	Fair, but needs improvement.	Maintained	Average	Average	Average	Average	Good housekeeping implemented
Accident	None	No any accident till date in all sites	No accidents till date	No Fatal Accident till date	No	No	No	No	No	No accidents till date	No	No any accident till date in all sites
Child labour	Good housekeeping in most	Child labour is strictly prohibited in all sites	No	No	No	No	No	No	No	No	No	Child labour is strictly prohibited in all sites
Grievances	None	GRC 1 established in 13 schools, among 15 schools. No grievance recorded yet.	GRM established in almost all schools, no grievance yet.	GRM established no grievance.	GRM established in five schools	GRM established but no grievance has been recorded until date.	GRM established no grievance.	GRM established no grievance.	GRM established no grievance.	GRC 2 has been formed in DLPIU	GRM established in all of the schools and no grievance.	GRC 1 is formed in all 3 sites except one site; no grievance received yet.

*Note: Environment Safeguards Compliance Matrix has been maintained in Annex 5.*

**Table 1-3: Number of DRSP schools (within Recon1, 2 & Retrofitting) with following environmental issues (Quantitative information)**

DRSP Districts under Recon1 and Recon2	Number of schools	Landslide issue	Construction waste well managed	Good house keeping	No air and dust during construction	Emergency phone number established	Labour camp established	Labour camps with hygienic kitchen	Labour camps with hygienic toilets	Safe disposal of waste generated from labour kitchen	First Aid facility available	Good safety sign boards installed
<b>Recon1</b>												
Okhaldhunga	7	0	6	7	7	2	7	7	7	6	6	2
Sindhuli	13	3	11	8	13	8	13	11	12	10	13	4
Ramechhap	12	0	12	12	12	12	12	12	12	12	9	9
Dolakha	12	5	1	10	12	8	10	10	0	10	2	1
Sindhupalchowk	8	3	8	8	8	8	8	8	8	8	8	8
Kavrepalanchowk	10	1	9	9	9	8	10	7	5	4	9	9
Bhaktapur	2	0	2	2	2	2	2	2	2	2	2	2
Kathmandu	2	0	2	2	2	2	2	2	2	2	2	2
<b>Total</b>	66	12	51	58	65	50	64	59	48	54	51	37
<b>Recon2</b>												
Okhaldhunga	13	0	13	12	13	0	13	13	12	13	13	13
Sindhuli	15	0	15	15	15	4	15	4	6	7	15	15
Gorkha	4	1	4	3	4	4	4	3	4	4	4	4
Makwanpur	3	0	2	3	3	2	3	3	2	2	2	3
Dhading	5	0	4	3	4	5	5	3	4	3	5	3
Nuwakot	6	0	5	5	6	0	6	6	4	5	6	6
Kavrepalanchowk	9	0	7	6	9	6	9	6	7	6	8	7
Dolakha	11	0	1	2	1	2	10	2	2	10	0	0
Ramechhap	17	0	17	17	17	5	17	17	17	17	15	14
Kathmandu	8	0	8	8	8	8	8	8	8	4	8	8
Bhaktapur	7	0	7	7	7	7	7	7	7	7	7	7
Sindhupalchowk	8	4	5	5	8	8	8	8	4	4	8	5
<b>Total</b>	106	5	88	86	95	51	105	80	77	82	91	85
<b>Retrofitting</b>												
Okhaldhunga	4											
Sindhuli	27											
Gorkha	10											

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<b>DRSP Districts under Recon1 and Recon2</b>	<b>Number of schools</b>	<b>Landslide issue</b>	<b>Construction waste well managed</b>	<b>Good house keeping</b>	<b>No air and dust during construction</b>	<b>Emergency phone number established</b>	<b>Labour camp established</b>	<b>Labour camps with hygienic kitchen</b>	<b>Labour camps with hygienic toilets</b>	<b>Safe disposal of waste generated from labour kitchen</b>	<b>First Aid facility available</b>	<b>Good safety sign boards installed</b>
Makwanpur	3											
Dhading	8											
Nuwakot	7											
Kavrepalanchowk	17	0	4	4	7	0	3	7	6	5	5	4
Dolakha	12											
Ramechhap	14	0	3	3	4	0	4	3	3	4	3	4
Kathmandu	22											
Bhaktapur	7	0	3	3	3	3	3	3	3	3	3	3
Sindhupalchowk	7	0	2	2	2	1	2	1	2	1	1	2
Lalitpur	3											
Rasuwa	2											
<b>Total</b>	<b>143</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>16</b>	<b>4</b>	<b>12</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>12</b>	<b>13</b>
<b>Grand Total</b>	<b>315</b>	<b>17</b>	<b>151</b>	<b>156</b>	<b>176</b>	<b>105</b>	<b>181</b>	<b>153</b>	<b>139</b>	<b>149</b>	<b>154</b>	<b>135</b>

**a) Action taken by DSC:**

51. Following actions were taken by DSC during this semi-annual in safeguarding environment of the project area:

- Orientation on safeguards was provided focusing on establishment of barriers on compound prior to start of construction work, establishment of hard barriers at the concrete slab edge, installation of project information boards. Further, installation of safety sign boards, installation of emergency numbers, establishing first aid facility around the construction of school building, OHS of labour, health and sanitation of camp sites, good housekeeping at construction material storage yard, establishment of sanitary toilets for labour, requirement of separate toilet for female workers are the major issues discussed during the orientation. Further, discussions were carried out in order to establish grievance redress committees at different levels. Recently joining safeguards monitors were oriented for the establishment of GRC1 at school level and GRC2 and safeguards desk at DLPIU level.
- DSC safeguards experts provided support to contractors representatives for the preparation of SOP for COVID-19.
- DSC safeguards experts instructed and suggested to retrofitting contractors (Retro package 3 Sharma and company, Retro package 4- New Tech. and Retro package 5 to 9- Sharma and Khani) to submit Environment Management Plan and Health & Safety Plan prior to the start of retrofitting activity.
- Regular monitoring of schools and filling of environment, social and GESI safeguards checklist (By Safeguards Monitors).
- Filling of safety observation sheet for any non-compliance and safety issue-instructing contractor to comply within stipulated time (By Safeguards Monitors).
- Aware workers to use Safety Gears.
- Aware contractors about ADB Safety policy.
- Consultation with Local people, Workers, Contractors representative.
- Safeguards Monitors from DSC filled checklist prepared to assess COVID-19 at site. Filled checklist is presented in the (Annex 4) as a sample-filled checklist.

**b) Improvement after action:**

- GRC1 and GRC2 are established in recently awarded schools under Recon2. Establishment of GRC1 at school level is still under progress in remaining schools under Recon2.
- Establishment of safeguards is under progress.
- Installation of signage boards, barricading around the construction area and use of PPE by labour are under progress.
- Labour camp with adequate facilities such as accommodation, drinking water supply, electricity, safety, security and sanitation facilities are being implemented.
- Contractors were aware about the sending the report after resolving the issues that was reported by SM.
- Workers were aware about the facility that they have to get from contractor side.
- Maintaining cleanliness of Labour camp and surrounding.
- Installing physical safety barrier at the edge of slab of under construction schools are being constructed.

**c) Some instructions to contractor regarding Health and Safety issues:**

- **EMP and HSP:** Contractor representatives awarded for Recon-2 and Retrofitting schools of Dhading, Nuwakot, Gorkha, Makwanpur, Sindhupalchowk, Kathmandu, Bhaktapur, Kavrepalanchowk, Ramechhap, Dolakha, and Ramechhap are instructed to provide Environment Management Plan, Health, and Safety Plan prior to the start of construction activity. DSC is expecting all the prerequisite safeguards plans from the contractor in order to minimize risk from COVID-19 as well as maintaining construction safety in under construction schools.

- **Barricade:** Contractors are instructed to install barricade around the trench excavated close to the building. Contractor are further instructed to install hard barricade around the school compound area to avoid unauthorized person entering into the school. At present most of the site are using bamboo to barricade. Construction of physical safety barrier at the edge of each slab and at staircase is instructed.
- **First Aid-** Contractors were instructed to improve first aid facility with availability of box in each construction site as well as to maintain the standard of first aid box.
- **OHS performance-** Contractors were also instructed to improve occupational health and safety performance of their own work and shall be documented and submitted to DSC every month.
- **Safety instructions-** Contractors were made aware and instructed to maintain safety with proper barricade and safety sign boards to be in place at all ongoing trench and manhole construction and excavation site and unattended excavated sites. Moreover, contractor were instructed to implement procedure published by NRA and further, instructed to implement the measures of mitigation of COVID-19 during construction works in accordance to the measures presented in the SOP submitted by the contractors.
- **Proper use of PPEs-** Contractors are instructed for the use of personal protective equipment and instruction was given to the labour for the use of PPEs and safety.

## **2. Compliance Status of Project**

52. The environment safeguard requirements have been assessed and it has been found that the project has thus far complied with the statutory requirements related to the safeguard environment with the consequences due to construction works. Establishment of Grievance Redress Committee at school level (GRC1) in 106 schools under Recon2 is under progress. Similarly, establishment of GRC2 and Safeguards Desk at DLPIU level of Recon2 is completed (Table 2-2). Safeguards and GESI monitors have been recruited in all project districts. Detail list of the Safeguards and GESI Monitors are presented in section 5 of Table 1-1.

**Table 2-1: Compliance status with national environment requirement**

Project No.	Project Name	Statutory Environmental Requirements <sup>2</sup>	Status of Compliance <sup>3</sup>	Validity if obtained	Action Required	Specific Conditions that will require environmental monitoring as per Environment Clearance, Consent/Permit to Establish <sup>4</sup>
51190-001	DRSP	Initial Environmental Examination (IEE). Initial environmental examination (IEE) prepared for the Project considering six sample schools from two project districts. No clearance, permit/consent, forest clearance permits are required.	In accordance with ADB's SPS 2009, an environmental assessment and review framework (EARF) is in place providing guidance for environmental screening, impact assessment, safeguard planning, and implementation. The Framework has considered the environmental management plan (EMP) suggested in the IEE. The government has endorsed the EARF.	N/A	N/A	No permission required

**Table 2-2: Summary of GRC1, GRC2 and Safeguards Desk formation under Recon2**

Sn.	District Name	Number of Recon2 schools	Formation of GRC1 at School level	Formation of GRC2 at DLPIU level	Formation of Safeguards Desk at DLPIU
1.	Sindhuli	15	15	Established	Established
2.	Okhaldhunga	13	9	Established	Established
3.	Gorkha	4	3	Established	Established
4.	Makwanpur	3	3	Established	Established
5.	Dhading	5	5	Established	Established
6.	Nuwakot	6	6	Established	Established
7.	Kavrepalanchowk	9	9	Established	Established
8.	Dolakha	11	11	Established	Established
9.	Ramechhap	17	15	Established	Established
10.	Kathmandu	8	8	Established	Established
11.	Bhaktapur	7	7	Established	Established
12.	Sindhupalchowk	8	8	Established	Established
	<b>Total</b>	<b>106</b>	<b>99</b>	<b>12</b>	<b>12</b>

<sup>2</sup> Specify (environmental clearance? Permit / consent to establish? Forest clearance? Etc.)<sup>3</sup> Specify if obtained, submitted and awaiting approval, application not yet submitted<sup>4</sup> Example: Environmental Clearance requires ambient air quality monitoring; Forest Clearance/Tree-cutting Permit requires 2 trees for every tree, etc.

53. GRC2 and Safeguards desk for Recon1 and Recon2 schools have already been established in all DLPIUs level. Similarly, GRC1 has been established in 66 schools under Recon1 schools. GRC1 established under Recon1 schools comprises 20% female members whereas GRC2 comprises 31% female among the members. Likewise; GRC1 has been established in 99 schools under Recon2. GRC1 established under Recon2 schools comprises 84% male members and 16% female members whereas GRC2 comprises 31% female among the members. Establishment of those committees at schools and at DLPIUs under Recon2 is still under progress (Table 2-2). However, no any grievances are recorded until date after establishment of GRCs.

### 3. Compliance Status with Environmental Loan Covenants

54. The compliance status with environmental and social loan covenants are presented in the following table.

**Table 3-1: Status of environmental loan covenants**

Sn.	Covenants as Mentioned in Schedule 4	Status of Compliance	Action Required
<b>Implementation Arrangements</b>			
<b>Procurement</b>			
Loan Agreement Schedule 4, para 3	3. The Borrower shall not award any Works contracts which involves environmental impacts until: (a) The Borrower's Ministry of Forests and Environment, or other. responsible authority, has granted the final approval of the IEE; (b) the Borrower has incorporated the relevant provisions from the EMP into the Works contract; and (c) (i) the EA has established a safeguards desk at the CLPIU (Education) and the concerned local level PIU, and (ii) ADB has cleared the appointment of the contractor's proposed environment and safety officer for the Project.	(a) Environmental assessment and review framework (EARF) had been established in accordance with ADB's SPS 2009, to provide guidance for environmental screening, impact assessment, safeguard planning and implementation. The Framework has considered the environmental management plan (EMP) suggested by the initial environmental examination (IEE) prepared for the Project considering six sample schools from two project districts. The government has endorsed the EARF. (b) EMP has been incorporated in the civil works contract and the major items incorporated are presented in section 4. (c) Safeguards desk has been established at DLPIU. The contractors have appointed environment and safety officers only in few sites.	(a) No action required; however, REA checklist will be used for new schools identified for retrofitting.  (b) No action required.  (c) Establishment of safeguard desk has been completed.
Loan Agreement	4. The Borrower shall not award any Works contract that involves involuntary resettlement impacts, until the it has prepared and	Resettlement Framework (RF) has been prepared supplemented by a due diligence study in accordance with ADB SPS 2009 to	Evidence of land ownership certificate (LOC) from most of the

Sn.	Covenants as Mentioned in Schedule 4	Status of Compliance	Action Required
<b>Implementation Arrangements</b>			
Schedule 4, para 4	submitted to ADB the final RP based on the Project's detailed design, and obtained ADB's clearance of such RP.	provide guidance for social screening and impact assessment. As all 67 schools selected under Recon 1 were to be reconstructed within the existing boundaries of lands owned by respective schools there would not be any involuntary resettlement impact, displacement and loss of income sources to the people as described in DDR. However, some alterations in terms of location shifts within school boundaries are foreseen.	schools have been obtained, LOC from remaining concern schools obtained and maintained in the Annex section of updated DDRs for all the schools under RECON-01.
<b>Environment</b>			
Loan Agreement Schedule 4, para 5	5. The Borrower shall ensure that 'the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the IEE and the EMP and any corrective or preventative actions set forth in Safeguards Monitoring Reports and other relevant Project documents.	All applicable laws and regulations of the Borrower relating to environment, health, and safety are to be applied, however contractor still need to improve the compliance in totality. Environment Safeguards Experts have been mobilized in the DSC team. EARF is being applied for assessment, monitoring and reporting.	Continuation of monitoring and reporting.
<b>Land Acquisition and Involuntary Resettlement</b>			
Loan Agreement Schedule 4, para 6	6. The Borrower shall ensure that: (a) All land and all rights-of-way required for the Project are made available to them. Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with (i) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (ii) the RF; and (iii) all measures and requirements set forth in the RP, and any corrective or preventative actions set forth in the Safeguards Monitoring Report; and (b) No works involving involuntary resettlement impacts are commenced until ADB has cleared the final RP of each package.	No major land acquisition is involved in the construction activities under Recon 1.	Most of the schools have submitted land ownership certificates ( <i>Lal Purja</i> ). Schools without land ownership certificate have provided land user right document issued by local government. All such document are maintained in consolidated DDRs of schools.



Sn.	Covenants as Mentioned in Schedule 4	Status of Compliance	Action Required
<b>Implementation Arrangements</b>			
Loan Agreement Schedule 4, para 7	<p>7. Without limiting the application of the Involuntary Resettlement Safeguards or the RP, the Borrower shall ensure that no physical or economic displacement takes place in connection with the Project until:</p> <p>(a) Compensation and other entitlements have been provided to affected people in accordance with the RP; and</p> <p>(b) a comprehensive income and livelihood restoration program have been established in accordance with the RP.</p>	No physical or economic displacement has taken place.	No action required as of now.
<b>Indigenous People</b>			
Loan Agreement Schedule 4, para 8	<p>8. The Borrower shall ensure that the Project does not involve any indigenous peoples' impacts within the meaning of the SPS. In the event the Project involves any such 17 Schedule 4 impacts, the Borrower shall take all steps required to ensure that the Project complies with the applicable laws and regulations of the Borrower and with the SPS.</p>	No major impact to the indigenous people is involved in the activities	No action required.
<b>Labour Standards, Health and Safety</b>			
Loan Agreement Schedule 4, para 9	<p>9. The Borrower shall ensure that the core Labour standards and the Borrower's applicable laws and regulations are complied with during Project' implementation. The Borrower shall include specific provisions in the bidding documents and contracts financed by ~ ADB under the Project requiring that the contractors, among other things: (a) comply with the Borrower's applicable Labour law and regulations and incorporate applicable workplace occupational safety norms; (b) do not use child Labour; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced Labour; (e) allow freedom of association and effectively recognize the right to collective bargaining; and (f) disseminate, or engage appropriate service providers to disseminate, information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local Communities surrounding the Project area, particularly women. The Borrower shall strictly monitor compliance with the requirements set forth above and provide ADB with regular reports.</p>	<b>Complied. DLPIU (Now EDCU)</b> through its Design and Supervision Engineer (DSC) is supervising and monitoring the compliance of the Labour, health, and safety law regulations. The project work complies with ADB's requirements and national laws & regulations.	Regular monitoring and supervision including reporting on labour, health, and safety will be required. Full time Safeguards and GESI Monitors at district level have been appointed in 12 project districts to support the EDCU in these matters.

Sn.	Covenants as Mentioned in Schedule 4	Status of Compliance	Action Required
<b>Implementation Arrangements</b>			
<b>Gender and Development</b>			
Loan Agreement Schedule 4, para 10	10. The Borrower shall ensure that (a) the GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measures set forth in the GAP; (c) adequate resources are allocated for implementation of the GAP; and (d) progress on implementation of the GAP, including progress toward achieving key gender outcome and output targets, are regularly monitored and reported to ADB.	<b>Partially Complied.</b> Community Awareness Consultant is in place, GESI action plan shall be implemented.	Effective implementation by DRM consultant.
<b>Human and Financial Resources to Implement Safeguards Requirements</b>			
Loan Agreement Schedule 4, para 11	11. The Borrower shall make available necessary budgetary and human resources to fully implement the EARF, IEE and EMP.	Safeguards experts in DSC have been mobilized; EARF is being implemented for assessment, monitoring and reporting and the EMP provisions incorporated in the BoQ.	Monitoring activity by Safeguards and GESI Monitors will be continued until the end of project.
<b>Safeguards — Related Provisions in Bidding Documents and Works Contracts</b>			
Loan Agreement Schedule 4, para 12	12. "The Borrower shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to: <ul style="list-style-type: none"> <li>(a) comply with the measures relevant to the contractor set forth in the EARF, IEE and the EMP (to the extent they concern impacts or affected people during construction), and any corrective or preventative actions set forth in a safeguard monitoring reports and other project related documents;</li> <li>(b) make available a budget for all such environmental and social measures;</li> <li>(c) provide the EA with a written notice of any unanticipated environmental risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the EARF, IEE and the EMP;</li> <li>(d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and</li> <li>(e) reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction</li> </ul>	<b>Complied.</b> All bidding documents are prepared as per ADB Standard Bidding Document (SBD).	No action required.
<b>Safeguards Monitoring and Reporting</b>			

Sn.	Covenants as Mentioned in Schedule 4	Status of Compliance	Action Required
<b>Implementation Arrangements</b>			
Loan Agreement Schedule 4, para 13	<b>13 The Borrower shall do the following:</b> (a) submit semi-annual Safeguards Monitoring Reports for environmental ' and involuntary resettlement 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 EARF, IEE and the EMP, 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 promptly after becoming aware of the breach.	Mentoring and reporting will be done as per covenants.	Timely submission of quarterly and semiannual monitoring reports.
<b>Grievance Redress Mechanism</b>			
Loan Agreement Schedule 4, para 18	18. The Borrower shall ensure that, within 3 months after the Effective Date, the EA enhances its existing GRM to be acceptable to ADB, and forms grievance redress committees at all levels (central, local, and school) to receive and resolve complaints/grievances or act upon reports from stakeholders on misuse of funds and other irregularities, including grievances due to environmental impacts and land acquisition. The committee shall (a) make public of the existence of the GRM; (b) review and address grievances of stakeholders of the Project, in relation to either the Project, any of the service providers, or any person responsible for carrying out any aspect of the Project; and (c) proactively and constructively responding to them.	<b>Partially complied.</b> Grievance redress mechanism (GRM) established. A committee that constitutes the GRC2 in DLPIU to receive and resolve complaints and grievances has been formed. At the school level, formation of GRC1 committee is ongoing.	Effective implementation

#### 4. Compliance Status with the Environmental Management Plan

55. All the compliance status related to Environmental Management Plan of project implemented under loan 3702 NEP is presented hereunder. IEE prepared for the project has already been disclosed in ADB website. All project related documents and loan agreements are available in <https://www.adb.org/projects/51190-001/main>

56. The EMP provisions mentioned in the BOQs are as follows.

##### Construction Period

1. Environment enhancement (including plantation, of trees, hedges, maintaining greenery, within the school compound) providing and laying of grass and bamboos near retaining wall. (BOQ no. Civil-General-1.2.1)
2. Providing and laying of grass (local dubo with the root carrying and anchoring with 8" bamboo peg and watering for 10 days on soil near retaining wall) (BOQ no. Civil Works-Turfing-24)
3. Insurance of Workers (BOQ no. Civil-General-1.2.1)
4. Barricading the construction area to maintain construction site safe and constructing toilet and camp for labour separately (BOQ no. Civil-General-1.2.2)
5. Providing all types of Personal Protective Equipment (Helmets, Gloves, Boots Safety glasses/face shields, earplugs, earmuffs, first aid tools) to the workers shall be minimum but not limited to 40 sets. Presence of first aid box in the sites. (BOQ no. Civil-General-1.2.4)
6. Provision of Project Information Board and Site safety notice boards. (BOQ no. Civil-General-1.2.3)

##### Operation Period

1. Provision of separate toilets for boys, girls, schoolteachers, and staffs. (BOQ no. Sanitary-Sanitary installation-2)
2. Provision of disabled friendly toilets. (BOQ no. Sanitary-Sanitary installation-1)
3. Provision of changing room and WASH (water, sanitation, and hygiene) facilities.
4. Good ventilation planned for classrooms (BOQ no. Civil Works-Doors and Windows-16)
5. Provision of Power Back up System (Solar PV Back up system) (BOQ no. Electrical works-Power Back up System -1)
6. Provision for the installation of incinerators for disposal of sanitary pads and training provided on its operation and maintenance.
7. Provision of dustbin, waste disposal pits etc.
8. Provision to minimize noise pollution during the operation (Tree Plantation, Greenery maintenance).
9. Provision for emergency during disasters (Fire Extinguisher, First Aid Kit, First Aid Bed). (BOQ no. Furniture-Miscellaneous-5.10) (BOQ no. Sanitary-Sanitary installation-22)
10. Provision of Earthing and lightning protection (BOQ no. Electrical works- Earthing and lightning protection-K)
11. Provision of water Filter with UV lamp and filter media (BOQ no. Sanitary-Sanitary installation-20)

**Table 4-1: Package-wise Contractor/s' representative**

Sn.	Name According To Contract	Address	Person to address letter	Contact Email	Telephone
	<b>Recon1</b>				
1.	CONT_CONTECH_LUMBINI_8_SS_OKGA Contech Lumbini J/V	Okhaldhunga	Ashok P. Malla, Manoj Kumar Bhandari, Raj kumar	<a href="mailto:Ashokpmalla@gmail.com">Ashokpmalla@gmail.com</a> <a href="mailto:contechlumbiniokhl@gmail.com">contechlumbiniokhl@gmail.com</a>	9851048833 9851026587 9851063882 9841725150
2.	CONT_CONTECH_LUMBINI_13_SS_SILIU Contech Lumbini J/V	Sindhuli	Ujwal Aryal Ratna Gautam Dipendra Bhagat	<a href="mailto:info@khaninirmansewa.com">info@khaninirmansewa.com</a>	01-4465808 9851075478 9860399470

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Sn.	Name According To Contract	Address	Person to address letter	Contact Email	Telephone
3.	CONT_SHARMA_KHANI_8_S S_SIWK&2_SS_KADU Sharma Khani J/V	Kathmandu	Subhash Bastola Jagat Buddha Raman Shrestha	<a href="mailto:info@khaninirmansewa.com">info@khaninirmansewa.com</a>	9851049620 9851062277 9811-077004
4.	CONT_SHARMA_KHANI_12_SS_RAAP Sharma Khani J/V	Ramechhap	Diwakar Budathoki		9844203995
5.	CONT_SHARMA_SWACH_K KHANI_10_SS_KARE&2_SS_B HUR Sharama-Swachhanda-Khani J/V	Kavrepalanchowk	Ratna Gautam Kiran Thapa	<a href="mailto:info@khaninirmansewa.com">info@khaninirmansewa.com</a>	01-4465808 9851053414
6.	CONT_SHARMA_SWACH_K KHANI_10_SS_KARE&2_SS_B HUR Sharama-Swachhanda-Khani J/V	Bhaktapur	Sagar Chaulagain Akin Shrestha		9851100701 9863862755
7.	CONT_SHARMA_SWACH_K KHANI_12_SS_DOHA Sharama-Swachhanda-Khani J/V	Dolakha	Yudhisthir KC, Amit Karki	<a href="mailto:ammitkarki@gmail.com">ammitkarki@gmail.com</a>	9841448101 9851059539
8.	CONT_SHARMA_KHANI_8_S S_SIWK KHANI-Sharma J/V	Sindhupalchok	Sanjeet Khadka, Project Manager	<a href="mailto:khadka.sanjeet1@gmail.com">khadka.sanjeet1@gmail.com</a>	9849208226
<b>Recon2</b>					
9.	K/C-Samanantar JV_6_SS	Nuwakot	Deepak Thapa	<a href="mailto:thapadelta@live.com">thapadelta@live.com</a>	9851168021
10.	K/C-Samanantar JV_5_SS	Dhading	Sudin Shrestha	<a href="mailto:sudin.shrestha@outlook.com">sudin.shrestha@outlook.com</a>	9801041805
11.	Khani Nirmansewa Pvt. Ltd._ 4_SS	Gorkha	Kismat Sunar		9805238443
12.	Khani Nirmansewa Pvt. Ltd._ 3_SS	Makwanpur	Nitesh Saha		9804030235
13.	Khani Nirmansewa Pvt. Ltd._ 8_SS	Sindhupalchowk	Sanjeet Khadka	<a href="mailto:khadka.sanjeet1@gmail.com">khadka.sanjeet1@gmail.com</a>	9849208226
<b>Recon3</b>					
14.	Gauri Parbati Nriman Sewa Pvt. Ltd.	Kalanki, Kathmandu	Ram Kumar Thapa, Bishal Thapa	<a href="mailto:info@gauriparbati.com">info@gauriparbati.com</a>	9851044390 9851192823
<b>Retrofitting Packages</b>					
15.	Sharma/New Technical JV Package1 and 2	Kupoundole	Laxmi Subedhi	<a href="mailto:ntwpsr@gmail.com">ntwpsr@gmail.com</a>	9851020629 9851063547
16.	Sharma and Company Package 3 and 4	Sitapaila	Sushil Thapa	<a href="mailto:sharmaco@mos.com.np">sharmaco@mos.com.np</a> <a href="mailto:sharmaco@ntc.net.np">sharmaco@ntc.net.np</a>	9851241284
17.	Sharma/Khani JV Retrofitting Package 5-9	Newbaneshwor	Jhabindra Paudel	<a href="mailto:retro.khani2078@gmail.com">retro.khani2078@gmail.com</a>	9856050650

Recon-1: Abindra Basnet - 9851121554 (M/S Sharma-Khani)

Amit Karki - 9851059539 (M/S Sharma-Khani)

Representative Dolakha - 9841448101 (M/S Sharma-Swachhanda - Khani)

Okhaldhunga - Raj kumar - 9851063882 (M/S Contech-Lumbini )

Recon-2: Deepak Thapa - 9851168021 (M/S Khani-Sharma)

Sudin Shrestha - 9851041805 (M/S Kc - Samanatar)

Recon-3: Himal Adhikari- 9851188135 (Ashish Nirman Sewa) Package-1

Suman Moktan- 9851324392 (Gauri Parbati Nirman Sewa Pvt. Ltd.) Package-2

Himal Adhikari- 9851188135 (TDI-ANS JV)Email: [adhikarihimal48@gmail.com](mailto:adhikarihimal48@gmail.com) Package-3

**Summary of Environmental Monitoring Activities (for the Reporting Period)****Table 4-2: Environmental monitoring indicators and status as per EMP/IEE**

Sn.	Environment Impacts	Measures proposed in IEE	Remarks
	<b>Beneficial Impacts</b>		
1.	Improved Infrastructure and Better Learning Environment	<input type="checkbox"/> Basically, the Government prepared model school typical designs shall be implemented.. <input type="checkbox"/> School building and other facilities shall be children and disabled friendly. <input type="checkbox"/> Toilets shall be separate for boys and girls at a comfortable distance. <input type="checkbox"/> Permanent water supply system for drinking and sanitation shall be ensured in each school. <input type="checkbox"/> The open spaces in the schools shall be landscaped with gardens and covered with vegetation to improve green cover and aesthetics of the school premises. <input type="checkbox"/> A system of operation, cleaning and maintenance of the school buildings and facilities shall be developed in agreement with school management committees and the other responsible stakeholders. Separate and sufficient funds shall be allocated to upkeep the school environment.	Disaster resilience building has been designed and are under construction with all proposed measures.
2.	Employment and Income Generation Opportunity	Priority will be given to local peoples	Priority has been given to locals wherever there are takers; however, labourers from outside are more.
3.	Increased Business Opportunities	<input type="checkbox"/> Recommend the contractor to employ local people by giving emphasis on women and vulnerable groups; <input type="checkbox"/> Ensure equal wages to male and female; <input type="checkbox"/> Promote use of local products and facilities, particularly consumables items.	Equal wage provided to male and female workers.
4.	Skills Enhancement	<input type="checkbox"/> Workers will be encouraged to develop skill while working with international contractors through hands on training; <input type="checkbox"/> EA may organize certified skill development training for workers in the project districts, increasing opportunity to get employment in semi or skilled job earning higher wage; <input type="checkbox"/> Project may prepare construction manual with illustrative steps of performing the work in Nepali language on various construction disciplines.	Workers are encouraged to develop skills during construction.
5.	Appreciation of Land Value	No measures proposed in IEE.	
	<b>Adverse Impacts</b>		
	<b>Physical Environmental Issues</b>		
6.	Landslide or gully erosion on slopes that may cause risk to the school infrastructure	<input type="checkbox"/> Follow National Environmental Guideline for School Improvement and Facility Management for site selection, design, and monitoring activities. <input type="checkbox"/> Avoid or maintain adequate distance from landslide or erosion areas. <input type="checkbox"/> Adopt right angle of cut on slopes.	Mitigation measures such as construction of retaining and gabion walls are applied close to Schools under DRSP. Gabion and stone masonry walls are provided close to

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<ul style="list-style-type: none"> <li><input type="checkbox"/> Stabilize slopes by engineering and bioengineering measures including check-dams.</li> <li><input type="checkbox"/> Measures taken to avoid undercutting of hill toes that may cause slides.</li> <li><input type="checkbox"/> Use check dam and channeling of water to avoid erosion and slides.</li> <li><input type="checkbox"/> Do not exert excess load on slopes by disposing spoil.</li> </ul>	the 32 schools under Recon1 in order to maintain slope stability around the newly constructed buildings.
7.	Permanent and temporary land use changes	<ul style="list-style-type: none"> <li><input type="checkbox"/> Do not dump spoil on surrounding agricultural land or open area;</li> <li><input type="checkbox"/> Landscape the school premises and keep as much open area as possible;</li> <li><input type="checkbox"/> Plant trees around the boundary and other possible areas to increase greenery.</li> </ul>	No significant change in land use identified.
8.	Impact on Soil and Top Soil	<ul style="list-style-type: none"> <li><input type="checkbox"/> The topsoil from the areas of cutting and areas to be permanently covered will be stripped to a specified depth and stored in stockpile storage area located away from water course and drainage areas. The stockpile will be designed such that the slope does not exceed 1:2 (vertical to horizontal), and the height of the pile is to be restricted to 2m. Stockpiles will not be surcharged or otherwise loaded and multiple handling will be kept to a minimum to ensure that no compaction occurs. The stockpiles will be covered with gunny bags or tarpaulin. Such stockpiled topsoil will be returned to cover the disturbed area;</li> <li><input type="checkbox"/> Leakage of fuel, lubricants and chemicals on soil will be avoided by storing them on impervious surface with proper peripheral drainage;</li> <li><input type="checkbox"/> Grit chamber and oil sump will be provided in the chemical storage area to collect and remove waste material and oil before discharging water into natural drainages. The existing retention pond could also be utilized for sediment control;</li> <li><input type="checkbox"/> Spoil generated during construction will be used in reclaiming low lying areas.</li> </ul>	No impact on soil and topsoil, as most of the schools are under construction within the land owned by schools. Spoil generated during construction are reused and some are disposed safely.
9.	Impact due to solid waste and Stockpiling of construction materials	<ul style="list-style-type: none"> <li><input type="checkbox"/> Haphazard disposal of construction materials will be strictly prohibited;</li> <li><input type="checkbox"/> Reuse the spoil and other materials. Maintain proper material storage system and ensure to control littering of construction materials outside the designated places;</li> <li><input type="checkbox"/> Stockpiling site of construction materials will be designated at demarcated place such that there will be minimum disturbances for day to day school activities;</li> <li><input type="checkbox"/> Provide solid waste container inside the construction site;</li> <li><input type="checkbox"/> Give health &amp; Hygienic training to workers;</li> <li><input type="checkbox"/> Separate provision for collection and disposal of hazardous waste, if any, as prescribed by government rule and regulations.</li> </ul>	Construction materials are stockpiled safely without creating disturbance to local inhabitants.
10.	Drainage and Downstream Impact	<ul style="list-style-type: none"> <li><input type="checkbox"/> Provide adequate drainage system to have minimum interference with natural drainage pattern within and around the school compound area;</li> <li><input type="checkbox"/> Avoid blocking or diverting water away from natural watercourse;</li> <li><input type="checkbox"/> Wastewater will not be allowed to be discharged in the open area;</li> <li><input type="checkbox"/> Drainage shall be discharged safely without causing soil erosion and landslide.</li> </ul>	No impact upon drainage and downstream identified yet.
11.	Impact on air quality	<ul style="list-style-type: none"> <li><input type="checkbox"/> Good engineering practices will be adopted along with use of good quality fuel and regular maintenance of equipment and vehicles;</li> </ul>	Very low/no impact on air quality.

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<ul style="list-style-type: none"> <li><input type="checkbox"/> Water sprinklers will be used to suppress dust particles in construction area and at dust generating equipment;</li> <li><input type="checkbox"/> Material transportation and dust generating construction activities will be scheduled to avoid impacts to communities living nearby the area;</li> <li><input type="checkbox"/> Construction material will be covered during transportation or at storage sites;</li> <li><input type="checkbox"/> Workers will be provided with face mask and goggles to protect them while working in high dust areas.</li> </ul>	
12.	Impact on Noise Level	<ul style="list-style-type: none"> <li><input type="checkbox"/> Cushions and good silencers or cover will be provided to suppress noise from equipment and vehicles;</li> <li><input type="checkbox"/> Equipment and vehicles will be regularly maintained;</li> <li><input type="checkbox"/> Construction equipment will be kept at considerable distance from settlements;</li> <li><input type="checkbox"/> Workers will be provided with ear-muffler and earplugs while working in high noise area;</li> <li><input type="checkbox"/> Schedule the noise generating work only during daytime and duration and frequency of operation of construction equipment will be minimized.</li> </ul>	Construction works are mostly carried out during daytime only where no one are allowed entry freely.
13.	Impact on water quality	<ul style="list-style-type: none"> <li><input type="checkbox"/> Seepage and spillage of chemicals, oil and lubricants will be avoided by storing them on impervious surface with proper drainage;</li> <li><input type="checkbox"/> Water conserving technologies will be used during construction;</li> <li><input type="checkbox"/> Washing of project vehicles in water bodies will be restricted;</li> <li><input type="checkbox"/> Construction materials shall be stockpiled on impervious surface with surrounding drainage away from natural drainage to avoid them reaching in water bodies;</li> <li><input type="checkbox"/> Sanitation facilities (pit toilets, or toilets with soak pits and septic tanks will be provided in Labour and construction camps and work areas).</li> </ul>	No such impact identified.
14.	Handling of Construction Material and Safety of Workers	<ul style="list-style-type: none"> <li><input type="checkbox"/> All workers employed on mixing cement, concrete etc., will be provided with protective footwear and protective goggles. Workers, who are engaged in welding works, would be provided with welder's protective eye-shields;</li> <li><input type="checkbox"/> Workers engaged in stone breaking activities will be provided with protective goggles and clothing;</li> <li><input type="checkbox"/> The use of any toxic chemical will be strictly in accordance with the manufacturer's instructions;</li> <li><input type="checkbox"/> A register of all toxic chemicals delivered to the site will be kept and maintained up to date by the Contractor. The register will include the trade name, physical properties and characteristics, chemical ingredients, health and safety hazard information, safe handling and storage procedures, and emergency and first aid procedures for the product.</li> </ul>	Contractors have the intentions to apply safety measures; however safety to be improved significantly. Contractors are instructed to improve maintaining barricade while working at height. Further, contractors are instructed to install hard barricade along the edge of concrete slab in order to avoid falling from height.
15.	Closure of construction camp	<ul style="list-style-type: none"> <li><input type="checkbox"/> Contractor will prepare site restoration plans for approval by the Engineer. The plan will be implemented by the contractor prior to demobilization;</li> <li><input type="checkbox"/> On completion of the works, all temporary structures will be cleared away, all rubbish burnt, excreta or other disposal pits or trenches filled in and effectively sealed</li> </ul>	Construction ongoing. Contractor will rehabilitate all the campsite after the completion of construction work.



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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		off and the site left clean and tidy and at the contractor's expense to the satisfaction of the Engineer and as per the provisions of the contract; <input type="checkbox"/> Residual topsoil will be distributed on spoil disposal area, barren areas as identified by the Engineer in a layer of thickness of 75mm – 150mm with proper turf and vegetation.	
16.	Pressure on Existing Public Roads	<input type="checkbox"/> Install various appropriate traffic sign boards at public places wherever necessary; <input type="checkbox"/> Avoid office hour to transport construction materials through heavy trucks/vehicles; <input type="checkbox"/> Entry of heavy vehicles shall be restricted as far as possible during the peak office/school hours.	Most of the schools are located in rural areas where traffic volume is very less. Hence, no pressure on public road traffic.
17.	Impact due to generation of solid waste	<input type="checkbox"/> Waste generated from the school will be segregated and kept in different containers; <input type="checkbox"/> Provide separate solid waste containers, for organic, inorganic reusable/recyclable and hazardous solid wastes.	Solid waste generated from the camps disposed safely.
18.	Issue of E-Waste, Heavy Metals, Hazardous Waste management	<input type="checkbox"/> Properly store and manage grease, paints and other construction materials; <input type="checkbox"/> Install separate container for hazardous waste inside the school compound; <input type="checkbox"/> Convert it to non-hazardous waste after treatment and then only send it to the disposal site designated by local authority; <input type="checkbox"/> Give health, sanitation & hygiene training to students and workers; <input type="checkbox"/> Promotion of recycling and reusing of recyclable and reusable material.	No significant issue of hazardous waste is identified due to construction.
19.	Drainage Management and Impact on Water Quality	<input type="checkbox"/> The rainwater could be managed for recharging groundwater; <input type="checkbox"/> Excess water will be drained out through the drainage system; <input type="checkbox"/> Keep school premises clean and periodically spray insecticide for controlling vector disease.	No impact upon natural drainages due to construction.
20.	Impact on Air Quality and Noise Level due to Vehicular Movement	<input type="checkbox"/> Use silencers to minimize sound of vehicles/machineries; <input type="checkbox"/> Pre-informing the neighbors in case of event producing disturbing sound; <input type="checkbox"/> Cover all the open space with vegetation; <input type="checkbox"/> Do not allow vehicles (older than 20 years) to operate; <input type="checkbox"/> Restrict use of horn near school area.	The movement of construction of vehicle have less impact on air and noise and hence no significance.
21.	Water Demand/Supply	Project shall fulfill the water demand with provision of <input type="checkbox"/> Sump well & pump if water has to be lifted from low lying rivers and springs; <input type="checkbox"/> Water storage tank; <input type="checkbox"/> Supply of water from other available sources; <input type="checkbox"/> Practice rainwater harvesting.	Contractor has supplied water in tankers wherever water is not available. However, in rural area; enough water is available from local springs.
22.	Disaster Management (Fire, Earthquake)	<input type="checkbox"/> Design shall include factor for ensuring seismic resistant school building following the National Building Code (NBC); <input type="checkbox"/> Ensure provision of emergency exist; <input type="checkbox"/> Install fire alarm system, firefighting system and adopt other necessary measures on fire safety;	All these measures are included in design and will be implemented accordingly.

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<input type="checkbox"/> Train student leaders and volunteers on tackling safety measures during emergency; <input type="checkbox"/> Conduct regular safety drills in the school; <input type="checkbox"/> Paste posters and telephone numbers of staff to be contacted during emergency; <input type="checkbox"/> Keep first aid box ready in the school.	
23.	Solar Power	<input type="checkbox"/> Employees/students/teachers will be encouraged to use water and electricity in an efficient way; <input type="checkbox"/> Use led bulbs instead of CFL; <input type="checkbox"/> Establish a mechanism for disposal of old batteries and acidic water.	Included in design and will be implemented accordingly during the time of operation.
	<b>Biological Issues</b>		
24.	loss of vegetation and impact on wildlife/bird	<input type="checkbox"/> Plant trees at the periphery and garden of the school in order to increase green cover in the area; <input type="checkbox"/> Restrict the workers in killing or harassing of birds and wildlife; <input type="checkbox"/> Securely fence the school area; and <input type="checkbox"/> Regularly mow the grass.	No significant loss of trees and vegetation. Replantation items are incorporated in BOQ and will be implemented accordingly after the completion of physical construction works.
25.	Impact on wildlife due to increased human activities	<input type="checkbox"/> Community and authorities will remain vigilant and alert on illegal felling of timber and killing of wildlife.	No impact on wildlife are identified
	<b>Socio-economic Issues</b>		
26.	Land Acquisition, Compensation and Reinstatement of Community Structures	<input type="checkbox"/> Any land acquired voluntarily shall follow the established practice as guided by resettlement framework; <input type="checkbox"/> Contractor shall sign a MOU with landowner for depositing construction material or temporary deposition of spoil. The MOU shall be reported to the site engineer and include in monthly report.	No significant land acquisition issues are identified during construction. However, some schools are under construction acquiring new land have updated Master Plan; and land ownership certificate for every schools are presented in the DDR updated for each school under Recon1 and Recon2. Local government has issues land user right to those schools not obtaining land ownership certificate till date.
27.	Occupational Health and Safety	<input type="checkbox"/> The contractor will arrange proper camping facility with rooms having good ventilation, natural light, fan and mosquito net. Contractor will give priority to employ local workers, particularly poor and vulnerable people, which will reduce the need of establishing labour camp. Clean drinking water supply, toilets and solid waste management facilities will be made available to the workers in their camps; <input type="checkbox"/> Contractor will restrict use of firewood for cooking and heating and will supply kerosene or gas in the mess of workers; <input type="checkbox"/> Contractor will supply food items to the camps giving priority to local products;	Labourers are provided with safety gears. First aid boxes are in place. However, contractors are instructed to improve first aid facilities, OHS status in the construction site.

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<ul style="list-style-type: none"> <li><input type="checkbox"/> All workers will be insured;</li> <li><input type="checkbox"/> Contractor will prepare and implement a safety plan approved by the Engineer including provision for emergency preparedness and response and fire safety;</li> <li><input type="checkbox"/> Safety gears will be supplied by the contractor to all workers in sufficient number depending upon the nature of work, and make it mandatory to use them;</li> <li><input type="checkbox"/> Firefighting facility and first aid box will be kept in camps and work sites with provision of a health assistant standby at call;</li> <li><input type="checkbox"/> Arrangement will be made by the contractor with local hospital or health post for services in case of emergency;</li> <li><input type="checkbox"/> Adequate security arrangement with fencing and lighting will be arranged around camp sites and material storage areas to ensure that unauthorized people and animals do not enter in the area and get exposed to the potential hazards of construction activities.</li> </ul>	
28.	Socially undesirable activities	<ul style="list-style-type: none"> <li><input type="checkbox"/> Restrict movement of workers out of camp after certain hours in the night;</li> <li><input type="checkbox"/> Restrict use of alcohol and gambling in the camp;</li> <li><input type="checkbox"/> Supply water , daily consumable items, communication facility in the camp so as not to create additional pressure on the local services;</li> <li><input type="checkbox"/> Orient workers to show respect to local tradition and culture;</li> <li><input type="checkbox"/> Prepare a code of conduct for all project staff, orient them and monitor that these are effectively followed by all;</li> <li><input type="checkbox"/> Assign a public relation officer by the project to keep close and regular consultation and coordination with local communities;</li> <li><input type="checkbox"/> Regular follow up and monitoring on workers behaviour and take appropriate measure on defaulters.</li> </ul>	No socially undesirable activities are identified during the construction.
29.	Properties of Archaeological Importance	<ul style="list-style-type: none"> <li><input type="checkbox"/> ADB's chance find procedure shall be applied;</li> <li><input type="checkbox"/> The contractor will take reasonable precaution to prevent his worker or any other staff from removing and damaging any such article or thing and will, immediately upon discovery thereof and before removal, acquaint the Engineer of such discovery and carry out the Engineer's instructions for dealing with the same, awaiting which the work shall be stopped 100 m all directions from the site of discovery;</li> <li><input type="checkbox"/> The Engineer will seek direction from the Archaeological Department before instructing the contractor to recommence work on the site.</li> </ul>	No significant issues identified related archaeology during this biannual.
30.	Gender and Child Labour	<ul style="list-style-type: none"> <li><input type="checkbox"/> Provide equal wage to male and female for similar nature of work;</li> <li><input type="checkbox"/> Restrict use of child below 16 years of age in Labour work (as per ILO standard);</li> <li><input type="checkbox"/> Provide female friendly construction environment with separate toilet for women, and if possible, childcare facility for women with young babies, and suitable work categorization for women.</li> </ul>	Equal wage provided to male and female for similar work. No other issues related to gender and child labour.
31.	Health and Sanitation	<ul style="list-style-type: none"> <li><input type="checkbox"/> Provide sufficient numbers of and separate toilets in camps and work sites for both male and female;</li> </ul>	Health and sanitation condition are maintained however, needs

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<input type="checkbox"/> Dispose construction debris at designated spoil disposal site; <input type="checkbox"/> Garbage collection system will be initiated by establishing bins at places in the construction area.	improvement in some of the under-construction school.
32.	Infection of STDs and Other Communicable Diseases	<input type="checkbox"/> Restrict alcohol, gambling and socially undesirable activities by workers living in Labour camps, and instruct them not to indulge in such activities if they are living outside of labour camp; <input type="checkbox"/> Arrange awareness program to the workers and local communities on HIV/AIDS and STDs; <input type="checkbox"/> Erect posters on safety practices to prevent from STDs; <input type="checkbox"/> Distribute free condoms to workers as a part of educating them.	No such issues identified.
33.	Impact on Social Facilities	<input type="checkbox"/> Regularly organize interaction programs between local people and other relevant personnel. <input type="checkbox"/> Coordinate with local social service providers and concerned government institutions to meet up the local demand of physical as well as social infrastructures.	No impact on social facilities and other sites.
34.	Traffic Congestion and Management	<input type="checkbox"/> Work in co-ordination with the traffic police in planning and management of the traffic	Road Traffic is not significant in the construction areas.
35.	Congestion and Overcrowding	<input type="checkbox"/> Manage the incoming and outgoing of vehicle according to the traffic rules	Road Traffic is not significant in the construction areas..

57. Moreover, no significant climate change issues due to construction of school are identified.

## **5. Approach and Methodology for Environmental Monitoring of the Project**

58. Within the scope of the Design and Supervision Consultant (DSC) the construction supervision of all construction including reporting to client is an integral part. The DSC team comprises of International & National Experts including Environment Safeguard Expert, Social Safeguards Expert, GESI Expert, Site Engineer (SE) for each under construction school, Resident Engineer (RE) and Safeguards and GESI Monitors designated for each project districts. Routine monitoring and reporting of all activities including the safeguard issues of all the school projects implemented under loan 3702 NEP is also one of the task of the DSC. Safeguards monitoring and reporting requirements has been carried as per EARF established for the DRSP.

59. Safeguards experts have ensure establishment of environmental safeguards mechanism in the project to monitor environmental safeguards of the subproject project works as guided by EMP. The experts will further ensure overall compliance with the government rules and regulations regarding environmental clearances. The monitoring activity detects environmental changes and estimated inherent variation within the environment, establishes long-term trends in the natural system, and derives conclusions by making comparison against a standard or a target. DSC has been submitting monthly monitoring and implementation reports to the Education Development and Coordination Unit (EDCU) (the then DLPIU), who has also been follow-up actions, as necessary. EDCU has been submitting the quarterly monitoring and implementation reports to the CLPIU. The CLPIU has been submitting semi-annual monitoring reports to ADB. Project budgets has reflected the costs of monitoring and reporting requirements. Monitoring reports were posted in a location accessible to the public.

## **6. Monitoring of Environmental Impacts on Project Surroundings**

60. No issue identified from social and environmental perspective due to construction activities in the under construction schools under Recon1, Recon2 and Retrofitting Packages. As construction of school buildings are substantially completed except 7 schools of Okhaldhunga under Recon1. Further, three schools of Dhading under Recon2 has been handed over without any remnant of environmental and safety issues.

61. No impacts upon air, water quality, and noise has been identified with the construction activity of schools under Recon1, Recon2 and Retrofitting packages. The proposed schools' locations are situated in rural area where the population density is not as high as in the urban context of Nepal. Moreover, Environment Safeguards Compliance Matrix has also been prepared to present the overall environmental performance identifying each parameters as per Environment Management Plan presented in the IEE report. A specific score has been assigned to each indicator to present the performance on environment due to construction. The Ranking Score is; Poor= below 55; Average= 56-70, Fair 71-80; Good 81 -90, Excellent= above 90. The compliance matrix is presented in the Annex 5.

## **7. Grievance Redress Mechanism**

62. There is a three tiers mechanism to address grievances related to affected persons (APs) in the implementation of the project. First level GRC1 has been formed at the school level comprising of 5 members. Establishment of GRC1 in 106 schools under Recon2 is under progress. The GRC1 is chaired by SMC chair, and DLPIU/DSC site in charge, head teacher, representative of parent's teachers committee and one representative from surrounding community are the members of the committee. The school head teacher will work as the member secretary of the committee. Similarly, second-level GRC2 has been formed at DLPIU comprising of 3 members to hear the unresolved grievances forwarded by the school level GRC1. The establishment of GRC at DLPIU (GRC2) is in place. DLPIU project manager will chair the GRC2, and DLPIU safeguard focal person, DSC safeguard monitor will be the committee members. The DLPIU safeguard focal person will work as the member secretary of the committee. Similarly, third-level GRC will be formed at CLPIU comprising 3 members

to hear the unresolved grievances forwarded by the DLPIU level GRC2. The GRC3 will be chaired by CLPIU project director, and CLPIU safeguard focal person, DSC safeguard expert will be the committee members. The CLPIU safeguard focal person will work as member secretary of the committee.

## 8. Complaints Received during the Reporting Period

63. Till date no grievances related to the environmental and social issues have been received from the sites. Most of the construction works have been carried out within the pre-existing school land owned by the school itself and within the confined location. However, some schools are under construction acquiring new land have updated Master Plan; and land ownership certificate for every schools are presented in the DDR updated for each school under Recon1, Recon2, and Recon3. Local government has issues land user right to those schools having no land ownership certificate till date. The construction activities do not have any disturbance on the environment and to the local people.

## 9. Summary of Key Issues and Remedial Actions

64. The following table present summary of key issues and its remedial actions required.

**Table 9-1: Key issues and remedial actions.**

Sn.	Key Issues	Remedial Actions	Remarks
1.	Safety during construction	Regular toolbox talks, proper PPEs to all labour workers	Construction contractor will be responsible for providing the PPEs to the workers as and when required. Safety status is to be improved by the contractors. Contractors are further responsible for the closing the safety issue identified by DSC Safeguard and GESI Monitors as soon as possible.
2.	Proper barricade along the construction sites and at the edge of concrete of each story before construction of boundary walls and windows.	Provide safe barricading, installation of safety signboards, instruction boards, emergency numbers, and safety plans/procedures in place.	Contractors were instructed to install safety signboards, soft barricade as well as hard barricade for the unattended manholes and at the edge of concrete slab while works at height and edges.

### Annex 1: Photographs

	
<p>Labor Camp established at Gyaneswori SS, Anekot, Panchkhal, Kavrepalanchowk</p>	
	
<p>Safe Labour Toilet at Buddha Jana Priya, Nagdhaha, Ramechhap</p>	<p>COVID-19 informatio board and Safety board installed at Buddha Jana Priya, Nagdhaha, Ramechhap</p>
	
<p>Barricade at Bhrigeshwori SS, Bijulikot, Ramechhap</p>	<p>Male and female toilets established at Bhrigeshwori SS, Bijulikot, Ramechhap</p>





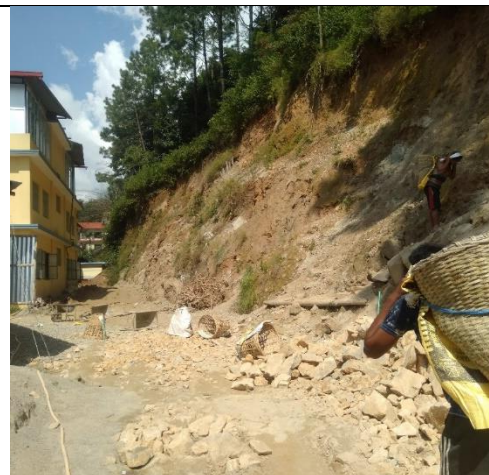
Labor camp at Jyoti SS, Ramechhap



Labour Kitchen using LPG at Jyoti SS, Ramechhap



COVID-19 information board established at Maharudra SS, Bolong Bolong, Ramechhap



Unstable stable land to be stabilized at the back of Gramshikshya SS, Kapan, Kathmandu



Application of green net to avoid dust at Block 1 under retrofitting in Padmakanya SS, Kathmandu



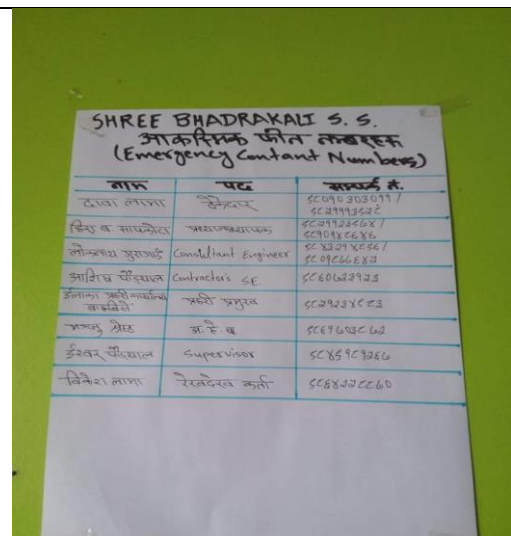
Application of green net to avoid dust at Viswa Niketan SS, Tripureshwor, Kathmandu



# Semi-annual Environmental Compliance Monitoring Report July-December 2020



Retrofitting Area (Block 1) Gramshikchya, Kapan, Kathmandu



Emergency contact number, Bhadrakali SS, Sindhupalchowk



TLC construction at Setibhumi SS, Rasuwa



Shree Gyan Jyoti Secondary School, Nuwakot





Safety Signboard established at Bhadrakali SS, Sindhupalchowk



Labour camp at Suryodaya SS, Gorkha



	
<p>Well managed construction tools in store room at Maheshwor SS, Okhaldhunga</p>	<p>SE measuring temperature of labor using thermal gun, Raithane SS, Sindhupalchowk</p>
	
<p>Site office with first aid kit, mask and sanitizer, visitor helmets and Insurance documents of labors at Kalika SS, Moli, Okhaldhunga</p>	<p>Harkapur SS (HAUR)- Unstable slopes closed to under construction building - Instructed to cover by tarpaulin during the monsoon season</p>
	
<p>Niketan SS)- NIAN, Unstable slopes closed to under construction building - Instructed to cover by tarpaulin during the monsoon season</p>	<p>Thermal Gun and Sanitizer in site office of Chhatra Pragati SS, Okhaldhunga</p>



# Semi-annual Environmental Compliance Monitoring Report July-December 2020

	
<p>Emergency contact number and No entry board in BADH_81, Kathmandu</p>	<p>Awareness pamphlet of COVID 19 in local language, Shree SS Marin Hayutar, Sindhuli</p>
	
<p>Covid awareness pamphlet and hand washing facility at Shree Buddha Jana Priya SS, Nagdaha, Ramechhap</p>	<p>Use of PPE after instruction at Shree Deurali Secondary School, Dhading</p>
	
<p>A worker using PPEs at Shree Bal Ujjwal Secondary School, Makwanpur</p>	<p>First Aid Box in Shree Chitre SS, Dolakha</p>

## Annex 2: Checklist of the Monitoring activity carried out by Safeguards Desk (Sample only)

Monthly Safeguard Desk Monitoring Checklist of Gramodaya SS, Sinki Chaur, Okhaldhunga

Disaster Resilience Schools Project (DRSP)  
Monthly Checklist Safeguard Desk

DATE 2021-11-27

Name of School: Gramodaya Yu Si SS

Location: Sinki chaur, Okhaldhunga

SN	Issue/Indicator	Status		Remarks
		Yes	No	
1.	Condition of slope of stability around school area is good.	✓		
2.	No impact on forest and agricultural land		✓	
3.	Landslide/erosion and no risky area existed close to the school area that may cause risk to the school infrastructure.		✓	
4.	Provision of drainage and its proper management and surface runoff around the school		✓	
5.	No water logging around the school		✓	
6.	Impact upon top soil/cultivated land		✓	
7.	Dust/air pollution due to construction activity/ movement of construction vehicle		✓	
8.	Group Insurance Documents of workers		✓	
9.	Physical safety barricade on slab edge, staircase and around the construction boundary		✓	
10.	Project Information board		✓	
11.	Safety Sign boards, caution tap under construction area		✓	
12.	Good Housekeeping of construction material	✓		(Instruction has been given)
13.	Emergency phone number around construction area in place		✓	
14.	First aid box available at construction site		✓	
15.	Use of PPEs by labor		✓	
16.	Fatal accident during construction		✓	
17.	Labor camp in good condition with proper ventilation, lighting	✓		Camps inside the constructed building need to be shelter
18.	Child labor during construction		✓	
19.	Female worker during construction	✓		(1 female worker)
20.	Female worker as provided with equal wages	✓		
21.	Separate male and female toilets, clean toilets with adequate supply of water, maintain hygiene		✓	
22.	Health, hygiene and sanitation around the camp		✓	

23.	Use alcohol and other forms of intoxication by laborer's; gambling, quarrel with locals; disrespect local culture and religion, and may promote socially undesirable activities		✓	
24.	Cleaning site after construction and disposing waste properly		✓	
25.	Waste management from construction and from camp		✓	
26.	Other issue, if any PPE for visitor		✓	
27.	Hand washing, Mask sanitiser at per COVID-19		✓	
28.	P			

S N	Safeguards Members	Name/ Signature/ Office stamps
1	Chief, DLIPU - DRSP	
2	Safeguards and GESI Monitors, PSC- DRSP	Anjula Shrestha Anjula
3	Safeguards focal Person, DLPIU-DRSP	zif



# Semi-annual Environmental Compliance Monitoring Report July-December 2020

## Monthly Safeguard Desk Monitoring Checklist of Shree Balpremi SS, Madhyapur Thimi, Bhaktapur

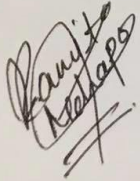
**Monthly Checklist for Safeguards Desk-DRSP (Construction Phase)**

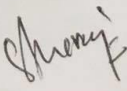
Name of School: Shree Balpremi Na Vi (BIUR RECON2)  
 Location: Madhyapur Thimi - 04, Bhaktapur Date: 26<sup>th</sup> July, 2021

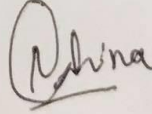
Sn.	Issues	Status		Remarks
		Yes	No	
1.	Building safe from landslide, erosion and no risky area existed close to the school area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.	No impact on forest and agricultural land.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.	Drainage and surface runoff around the school managed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.	No water logging around the school.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.	Physical safety barrier on slab edge, staircase barrier, and around the construction boundary in place.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6.	Safety Sign boards, Emergency Phone Numbers, caution tape around under construction area in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7.	Good Housekeeping of construction material.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8.	Use of PPEs by labour.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9.	No occupational health and safety issues.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not maintained at site
10.	Health and sanitation around the camp maintained.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11.	No child labour during construction.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12.	Female worker are provided with equal wage.	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable
13.	Consultations with SMC and local community (Women, Poor, Dalits, IPs, disadvantage groups).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14.	First aid box in site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15.	Waste from construction and from camps managed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16.	Employment opportunity to local.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
17.	No Social and GESI issues.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
18.	All raised grievances handled and resolved properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19.	Compensation paid for temporary acquired land.	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable
20.	Other issue, if any.	<input type="checkbox"/>	<input type="checkbox"/>	


Sn.	Safeguards Desk Members	Name/Signature/Office Stamp
1.	Safeguards Focal Person, DLPIU - DRSP :	Ajay Kumar Shah
2.	Safeguards and GESI Monitors, PSC - DRSP:	Nobina Karki Crautani <i>Nobina</i>
3.	Contractor's focal person for safeguards:	Roman Shrestha


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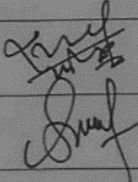
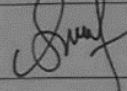
## Semi-annual Environmental Compliance Monitoring Report July-December 2020

## Monthly Safeguard Desk Monitoring Checklist of Shree Gram Sikshya SS, Kathmandu

**Monthly Checklist for Safeguards Desk-DRSP (Construction Phase)**

Name of School: Shree Gram Sikshya KADU RETRO-3  
 Location: S-S Date: \_\_\_\_\_

Sn.	Issues	Status		Remarks
		Yes	No	
1.	Building safe from landslide, erosion and no risky area existed close to the school area.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Retaining wall is present in plan
2.	No impact on forest and agricultural land.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If retaining wall is extended some trees are going to cut
3.	Drainage and surface runoff around the school managed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.	No water logging around the school.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.	Physical safety barrier on slab edge, staircase barrier, and around the construction boundary in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6.	Safety Sign boards, Emergency Phone Numbers, caution tape around under construction area in place.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Contractor's representative is instructed to install necessary boards
7.	Good Housekeeping of construction material.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8.	Use of PPEs by labour.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9.	No occupational health and safety issues.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10.	Health and sanitation around the camp maintained.	<input type="checkbox"/>	<input type="checkbox"/>	
11.	No child labour during construction.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12.	Female worker are provided with equal wage.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No female workers
13.	Consultations with SMC and local community (Women, Poor, Dalits, IPs, disadvantage groups).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14.	First aid box in site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15.	Waste from construction and from camps managed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16.	Employment opportunity to local.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17.	No Social and GESI issues.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise pollution
18.	All raised grievances handled and resolved properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19.	Compensation paid for temporary acquired land.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
20.	Other issue, if any.	<input type="checkbox"/>	<input type="checkbox"/>	

Sn.	Safeguards Desk Members	Name/Signature/Office Stamp
1.	Safeguards Focal Person, DLPIU - DRSP :	
2.	Safeguards and GESI Monitors, PSC - DRSP:	 (Site Engineer)
3.	Contractor's focal person for safeguards:	

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# Semi-annual Environmental Compliance Monitoring Report July-December 2020

## Monthly Safeguard Desk Monitoring Checklist of Chhatra Pragati SS, Bhadaure, Chisankhu gadi RM-6, Okhaldhunga

Disaster Resilience Schools Project (DRSP)  
Monthly Checklist Safeguard Desk

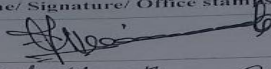
Name of School: Chhatra Pragati SS DATE: 2021.08.05

Location: Bhadaure, chisankhu gadi

SN	Issue/Indicator	Status		Remarks
		Yes	No	
1.	Condition of slope of stability around school area is good.	✓		
2.	No impact on forest and agricultural land	✓		
3.	Landslide/erosion and no risky area existed close to the school area that may cause risk to the school infrastructure.	✗	✓	
4.	Provision of drainage and its proper management and surface runoff around the school		✓	
5.	No water logging around the school		✓	
6.	Impact upon top soil/cultivated land		✓	
7.	Dust/air pollution due to construction activity/ movement of construction vehicle		✓	
8.	Group Insurance Documents of workers	✓		
9.	Physical safety barricade on slab edge, staircase and around the construction boundary		✓	
10.	Project Information board		✓	(Project Information Board is in destroyed form)
11.	Safety Sign boards, caution tap under construction area	✓		
12.	Good Housekeeping of construction material	✓		
13.	Emergency phone number around construction area in place		✓	
14.	First aid box available at construction site	✓		
15.	Use of PPEs by labor		✓	
16.	Fatal accident during construction		✓	
17.	Labor camp in good condition with proper ventilation, lighting	✓		
18.	Child labor during construction			
19.	Female worker during construction			No female worker
20.	Female worker as provided with equal wages			
21.	Separate male and female toilets, clean toilets with adequate supply of water; maintain hygiene			
22.	Health, hygiene and sanitation around the camp	✓		

23.	Use alcohol and other forms of intoxication by laborer's; gambling, quarrel with locals, disrespect local culture and religion, and may promote socially undesirable activities		✓	
24.	Cleaning site after construction and disposing waste properly	✓		
25.	Waste management from construction and from camp	✓		
26.	Other issue, if any			

S N	Safeguards Members	Name/ Signature/ Office stamps
1	Chief, DLPIU - DRSP	
2	Safeguards and GESI Monitors, PSC- DRSP	Anjula Shrestha Anjula
3	Safeguards focal Person, DLPIU-DRSP	



# Semi-annual Environmental Compliance Monitoring Report July-December 2020

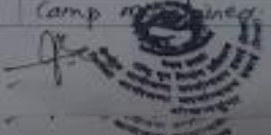
## Monthly Safeguard Desk Monitoring Checklist of Katunje SS, Katunje (KAJE\_04), Okhaldhunga

Disaster Resilience Schools Project (DRSP)  
Monthly Checklist Safeguard Desk

DATE: 2021-08-05

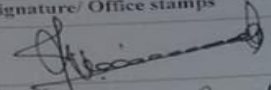
Name of School: Katunje SS  
Location: Katunje


SN	Issue/Indicator	Status		Remarks
		Yes	No	
1	Condition of slope of stability around school area is good.	✓		
2	No impact on forest and agricultural land.	✓	✗	No Impact
3	Landslide/erosion and no risky area existed close to the school area that may cause risk to the school infrastructure.		✓	
4	Provision of drainage and its proper management and surface runoff around the school.	✓		
5	No water logging around the school.	✓		
6	Impact upon top soil/cultivated land.		✓	
7	Dust/air pollution due to construction activity/movement of construction vehicle.		✓	
8	Group Insurance Documents of workers.		✓	
9	Physical safety barricade on site edge, staircase and around the construction boundary.		✓	
10	Project Information board.	✓		
11	Safety Sign boards caution tape under construction area.		✓	
12	Good Housekeeping of construction material.		✓	Poor Housekeeping
13	Emergency phone number around construction area in place.		✓	No Emergency Number Instructed.
14	First aid box available at construction site.		✓	Empty First Aid Box
15	Use of PPEs by labor.		✓	only few gloves only
16	Fatal accident during construction.		✓	
17	Labor camp in good condition with proper ventilation, lighting.	✓		
18	Child labor during construction.		✓	No child labor
19	Female worker during construction.		✓	No female worker.
20	Female worker as provided with equal wages.		✓	
21	Separate male and female toilets, clean toilets with adequate supply of water, maintain hygiene.		✓	
22	Health, hygiene and sanitation around the camp.	✓		Camp maintained.



23.	Use alcohol and other forms of intoxication by laborer's; gambling, quarrel with locals, disrespect local culture and religion, and may promote socially undesirable activities.	✓	
24.	Cleaning site after construction and disposing waste properly.		
25.	Waste management from construction and from camp.	✓	Need to be maintained
26.	Other issue, if any		

S N	Safeguards Members	Name/ Signature/ Office stamps
1	Chief, DLPU - DRSP	
2	Safeguards and GESI Monitors, PSC- DRSP	Arjula Shrestha Arjula
3	Safeguards focal Person, DLPU-DRSP	



## Semi-annual Environmental Compliance Monitoring Report July-December 2020

## Monthly Safeguard Desk Monitoring Checklist of Shree Bhringeshwor SS, Bijulikot, Ramechhap

Location: Bhringeshwor SS  
Bijulikot

( RAAP RECON2)  
Date: 2nd July 2021

Sn.	Issues	Status		Remarks
		Yes	No	
1.	Building safe from landslide, erosion and no risky area existed close to the school area.	✓		
2.	No impact on forest and agricultural land.	✓		
3.	Drainage and surface runoff around the school managed.	✓		
4.	No water logging around the school.	✓		
5.	Physical safety barrier on slab edge, staircase barrier, and around the construction boundary in place.			Instructed to keep barrier on slab
6.	Safety Sign boards, Emergency Phone Numbers, caution tape around under construction area in place.	✓		
7.	Good Housekeeping of construction material.	✓		
8.	Use of PPEs by labour.	✓		
9.	No occupational health and safety issues.	✓		
10.	Health and sanitation around the camp maintained.	✓		
11.	No child labour during construction.	✓		
12.	Female worker are provided with equal wage.			No female workers
13.	Consultations with SMC and local community (Women, Poor, Dalits, IPs, disadvantage groups).	✓		
14.	First aid box in site.	✓		
15.	Waste from construction and from camps managed.	✓		
16.	Employment opportunity to local.	✓		
17.	No Social and GESI issues.	✓		
18.	All raised grievances handled and resolved properly.	✓		
19.	Compensation paid for temporary acquired land.			TLC on Private land
20.	Other issue, if any.			

Sn.	Safeguards Desk Members	Name/Signature/Office Stamp
1.	Safeguards Focal Person, DLPIU - DRSP :	
2.	Safeguards and GESI Monitors, BSC - DRSP:	
3.	Contractor's focal person for safeguards:	

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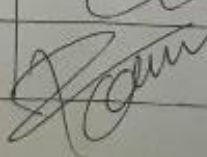
## Semi-annual Environmental Compliance Monitoring Report July-December 2020

## Monthly Safeguard Desk Monitoring Checklist of Buddha Jana Priya, Nagdaha, Ramechhap

**Monthly Checklist for Safeguards Desk-DRSP (Construction Phase)**

Name of School: Buddha Jana Priya ( RAAP RECON2 )  
 Location: Nagdaha Date: 2nd July 2021

Sn.	Issues	Status		Remarks
		Yes	No	
1.	Building safe from landslide, erosion and no risky area existed close to the school area.	✓		
2.	No impact on forest and agricultural land.	✓		
3.	Drainage and surface runoff around the school managed.	✓		
4.	No water logging around the school.	✓		
5.	Physical safety barrier on slab edge, staircase barrier, and around the construction boundary in place.			Instructions given for slab barrier.
6.	Safety Sign boards, Emergency Phone Numbers, caution tape around under construction area in place.	✓		
7.	Good Housekeeping of construction material.	✓		
8.	Use of PPEs by labour.			
9.	No occupational health and safety issues.	✓		
10.	Health and sanitation around the camp maintained.	✓		
11.	No child labour during construction.	✓		
12.	Female worker are provided with equal wage.			No female workers
13.	Consultations with SMC and local community (Women, Poor, Dalits, IPs, disadvantage groups).	✓		
14.	First aid box in site.	✓		Additional medical supplies require.
15.	Waste from construction and from camps managed.	✓		
16.	Employment opportunity to local.	✓		
17.	No Social and GESI issues.	✓		
18.	All raised grievances handled and resolved properly.	✓		
19.	Compensation paid for temporary acquired land.			No land acquired
20.	Other issue, if any.			



Sn.	Safeguards Desk Members	Name/Signature/Office Stamp
1.	Safeguards Focal Person, DLPIU - DRSP :	
2.	Safeguards and GESI Monitors, BSC - DRSP:	
3.	Contractor's focal person for safeguards:	

Page 1 of 2

### Annex 3: Meeting Minutes & instruction provided to contractor maintaining safety

(Filled Samples)

Meeting minutes at Balmandir Secondary School, Nilkantha, Dhading

UNAR MUNSHI ASSOCIATES  
CONSULTANTS PVT. LTD.

Project name: L3702 & G0601/0602 - DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT

Local: CLPIU

Place: Shree Balmandir SS, Nilkantha - 3, Dhading

Presences: RE (DSC), contractor PE, ESM (DSC)


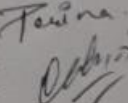
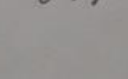
Date/Time: 2021 December 1 / 2:30 pm

**MEETING TOPICS**





NO	SUBJECT	RESPONSIBLE	TARGET DATE
1.	Monitor PPE to all the workers at site.	contractor	
2.	Install Information Board and safety signage board at site.	"	
3.	Also install Emergency contact number at suitable location at site.	"	
4.	Maintain proper housekeeping.	"	
	Follow safety procedure for COVID-19 during construction at site.		

Presences:

1. Suraj Kunwar, DSC-RE
2. Perina Pathak, DSC-ESM
- (3) Nabin Chakraborty, contractor PE

  
 Perina:  
  
 Nabin:  


## Meeting minutes at Mahendrodaya SS., Dhunibesi, Dhading

Project name: L3702 & G0601/0602 - DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT  
 Local: CLPIU  
 Place: Shree Mahendrodaya SS, Dhunibesi-1, Dhading  
 Presences: RE(DSC), ESM(DSC), SE(DSC), contractor, representative  
 Date/Time: 2021 December 2 / 12:00pm

**MEETING TOPICS**

NO	SUBJECT	RESPONSIBLE	TARGET DATE
1.	Install Information board & safety signage board at site.	contractor	
2.	Barricading <sup>(chain fencing)</sup> to be completed & maintained soon.		
3.	Labour camp to be soon removed (shifted) from class of main building block.		
4.	Labour Kitchen to be maintained cleanliness.		
5.	Proper & good housekeeping along with site cleanliness to be maintained		
6.	Monitor PPE to all the workers during (painting, cleaning etc) works.		
	Follow safety procedure for COVID 19 during construction at site.		
7.	Plantation work inside the ground area to be done start soon.		

**Attendees:**

1. Suraj Kunwar, DSC-RE
2. Perina Pathak, DSC-ESM Trainee
3. Umesh Thapa, DSC-SE, Umesh Thapa



## Meeting minute at Shree Jalpa SS, Tarkebari, Okhaldhunga

Jalpa SS, Tarkebari

2021.11.27

Today on 27 November 2021, Instruction has been given in the presence of DSC, EDCU and Contact Lumbini contractor Representative in Jalpa SS, Tarkebari.

Presence	Post	Signature
1. Jeewan Siwakoti	DTL, DSC	
2. Sabin Lama	Engineer, EDCU	
3. Dipendra Dutta	RE, DSC	
4. Anjulo Shrestha	ESM, DSC	
5. Jitendra Yadav	SE, DSC	
6. Parikshit Kejures	Pr, Contact-Lumbini	
7. Rajesh Basnet	Contractor SE	

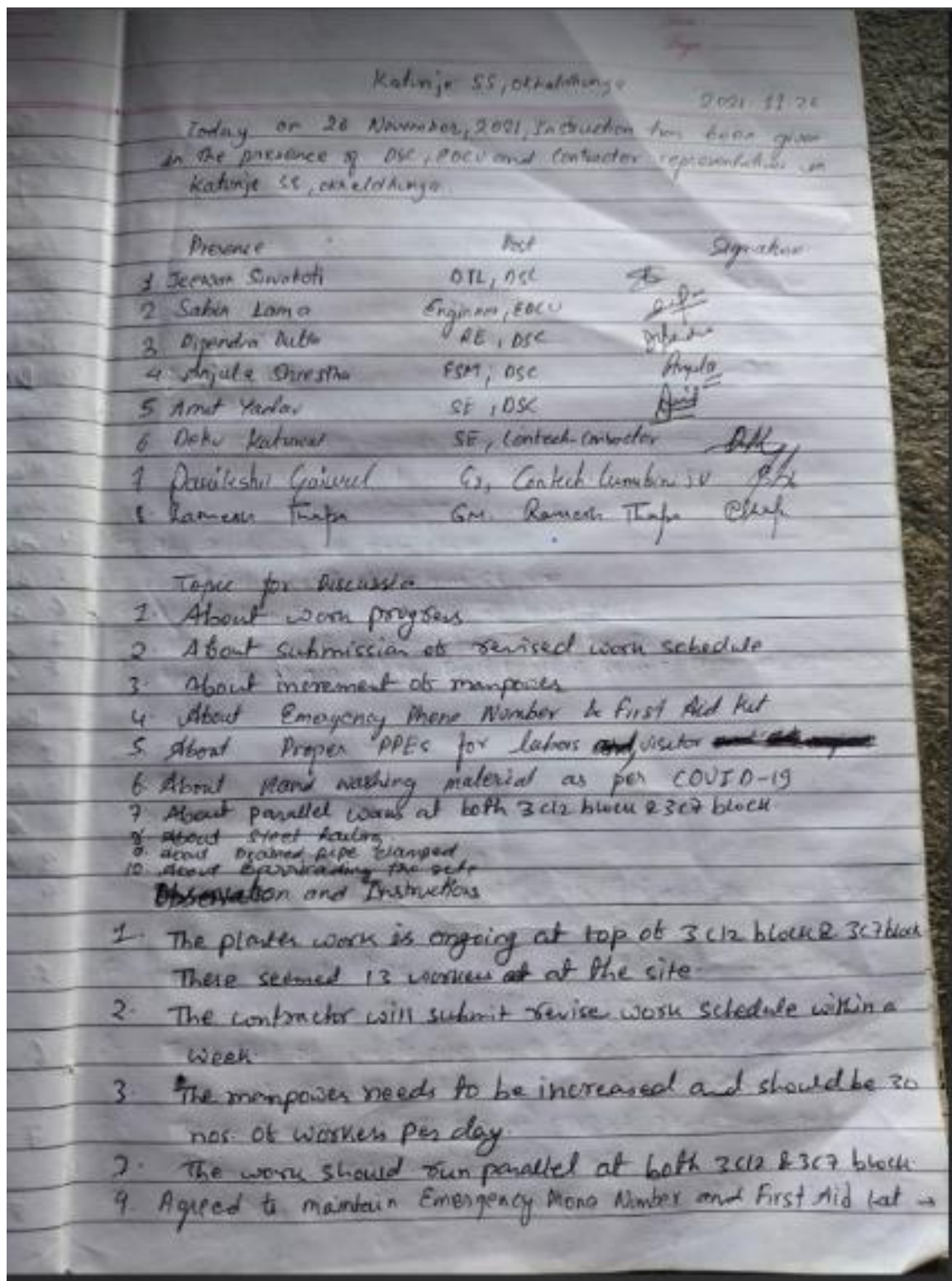
Topic for Discussion

1. About Labour Camps
2. About List of plants for plantation
3. About Construction <sup>waste</sup> material disposal
4. About PPEs for Labors and visitors
5. About movement of manpower
6. About progress work at site
7. About fencing
8. About First Aid Kit

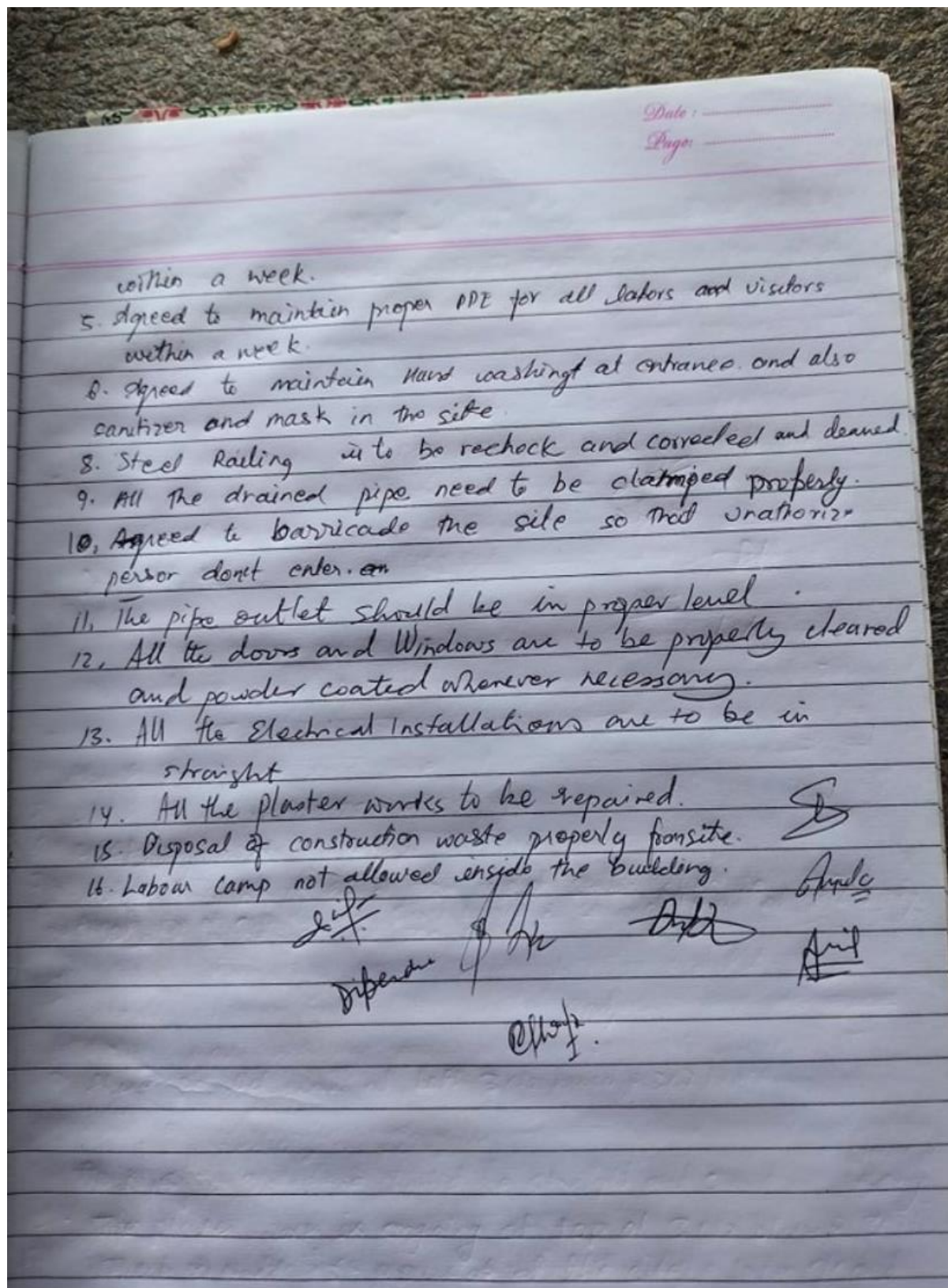
Observation and Instructions

1. Labour ~~camps~~ need to be shifted out of building blocks
2. List of plants for plantation need to be discussed with school representative for local plants
3. The construction waste materials need to be managed properly
4. Proper PPEs for working and additional labors as well as visitor.
5. The planter work & toilet work is ongoing
5. The contractor needs to increase the workers and should be 30 no. of workers per day.
7. The <sup>work</sup> fencing should fence the school compound into 200 ft by 200 ft
8. Agreed to maintain proper First Aid Kit within a week.

## Meeting minutes at Katunje SS, Katunje, Okhaldhunga









Meeting minutes at Shree Shree Janta SS, Sindhuli

	Page No.: Date:
	24/08/2021 08/05/2078
Name of Project: Disaster resilience school project	
Name of School: Janta sec. school	
Location: Khariga Khariga Sindhuli	
<u>Name of Presence</u>	
1) Shree Benadur Pujara (DPIU Engineer)	
2) Deependra Jankar (RG-DSC)	
3) Dile Kharwal (FSM-DSC) JMA	
4) Anup Mishra (DSC-SF)	
5) Bhoj Benadur Mager (SE-Contractor)	
<u>Instruction and Recommendation</u>	
1) Cement at site	
2) Brick dropped at site is not of quality so it need to be replaced immediately.	
3) Some bags from cement storage are expired so these are avoided to use	
4) Rebar need to kept properly	
5) Good quality of sand need to be dropped at site otherwise work gonna stop.	
6) Need to place covid-19 and safety sign board immediately	
7) Implement COVID-19 protocol at site	
[Signatures]	

## Annex 4: Safety Observation Checklist & filled checklist to assess COVID-19(Sample only) and Covid status





### Annex 4A

Safety observation checklist of Shree Jana Uddhar SS, Budanilkantha, Kathmandu.





	REPORT NAME:	CONSTRUCTION			   							
	REPORT NO:	0052_20210707_R2_84_KADU_JAAR_SafetyReport_closed										
<b>JOB NAME :</b> DRSP - DISASTER RESILIENCE SCHOOLS PROJECT <b>PLACE OF WORK :</b> Jana Uddhar SS, Chunikhel, Budanilkantha, Kathmandu <b>ADMINISTRATION :</b> C L P I U(Education) <b>CONSULTANT :</b> UMA_ERMC <b>CONTRACTOR :</b> Sharma Swachhanda Khani J.B.					<b>REPORT DATE</b> 2021.07.07  <b>WEATHER</b> SUNNY  <table border="1"> <tr> <th colspan="2">TEMPERATURE</th> <th>WIN</th> </tr> <tr> <td>MAX</td> <td>MIN</td> <td>(KPH)</td> </tr> </table>		TEMPERATURE		WIN	MAX	MIN	(KPH)
TEMPERATURE		WIN										
MAX	MIN	(KPH)										
<b>SAFETY OBSERVATION</b>					<b>SAFETY OBSERVATION CLOSED BY CONTRACTOR</b>							
74												
AREA	4CB BLOCK			AREA								
DESCRIPTION	No use of PPE at all: No use of mask			proper use of PPE, use of mask								

# Semi-annual Environmental Compliance Monitoring Report July-December 2020

## Safety observation checklist of Chhatra Pragati SS, Bhadaure, Okhaldhunga

	REPORT NAME:	CONSTRUCTION								
	REPORT NO:	043_20210801_R2_02_OKGA_CHRA_SafetyReportClosed								
	PREPARED BY	Anjula Shrestha								
	POSITION	Safeguard Monitor								
<b>JOB NAME</b> : DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT <b>PLACE OF WORK</b> : Chhatra Pragati Secondary School, Bhadaure, Okhaldhunga <b>ADMINISTRATION</b> : C L P I U(Education) <b>CONSULTANT</b> : UMA_ERMC <b>CONTRACTOR</b> : KC Construction Pvt.Ltd				<b>REPORT DATE</b> 2021.08.01 <b>WEATHER</b> Sunny <table border="1"> <tr> <td>MAX</td> <td>MIN</td> <td>WIN</td> </tr> <tr> <td>17</td> <td>4</td> <td>2</td> </tr> </table>	MAX	MIN	WIN	17	4	2
MAX	MIN	WIN								
17	4	2								
<b>SAFETY OBSERVATION</b>		<b>SAFETY OBSERVATION CLOSED BY CONTRACTOR</b>								
001										
AREA	3C7 B		AREA 3C7 B							
DESCRIPTION	No PPEs used( gloves, jackets,boots and helmets)		DESCRIPTION PPEs used							

## Safety observation checklist of Kalika SS, Moli, Okhaldhunga

	REPORT NAME:	CONSTRUCTION								
	REPORT NO:	056_20210830_R2_06_OKGA_KAKA_SafetyReportClosed								
	PREPARED BY	Anjula Shrestha								
	POSITION	Safeguard Monitor								
<b>JOB NAME</b> : DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT <b>PLACE OF WORK</b> : Kalika SS ,Moli,Okhaldhunga (KAKA_06) <b>ADMINISTRATION</b> : C L P I U(Education) <b>CONSULTANT</b> : UMA_ERMC <b>CONTRACTOR</b> : KC Construction				<b>REPORT DATE</b> 2021.08.30 <b>WEATHER</b> Sunny <table border="1"> <tr> <td>MAX</td> <td>MIN</td> <td>WIN</td> </tr> <tr> <td>25</td> <td>8</td> <td>7</td> </tr> </table>	MAX	MIN	WIN	25	8	7
MAX	MIN	WIN								
25	8	7								
<b>SAFETY OBSERVATION</b>		<b>SAFETY OBSERVATION CLOSED BY CONTRACTOR</b>								
001										
AREA	3C9		AREA 3C9							

**Annex 4B****Filled checklist (sample only) in assessing COVID-19 measure established by contractor in construction sites****Checklist filled for monitoring COVID (Sample)****Monitoring checklist for facilities provided by contractors to minimize risk from COVID-19 in DRSP project**Gyaneswori SS, Anekot, Panchkhal, Kavrepalanchowk **(Bi-weekly Report)**



SN	Items	Requirements	Yes	No	NA	Remark	Supporting document
1	ORGANIZATIONAL						
i		COVID Rapid Response team formed		√			
ii		Fulltime H&SO mobilized (Yes/No)		√			
iii		Fulltime Health Worker mobilized (Yes/No)		√			
iv		COVID Marshals (1 for max 25 workers) appointed and trained (Yes/No)		√			
v		Guards appointed: (i) Office		√			
		(ii) Labour Camp		√			
		(iii) Worksite		√			
vi		Cleaning and Disinfecting teams established					
		(i) Office		√			
		(ii) Labour Camp		√			
		(iii) Worksite		√			
vii		Waste management coordinated with local municipalities		√			
viii		Workers COVID 19 insured		√			
ix		List of COVID -19 Hospitals for testing		√			
x		Office space arranged with 1-2m distance between staff		√			
2		CLEANING AND DISINFECTING		Office	Worksite	Labour camp	Remarks
i	Disinfectants stocked and available in					Not avilable	
ii	Cleaning and Disinfecting teams formed for					Not formed	
iii	Waste bins in place (number)					Not avilable	
iv	Handwash and Sanitization stations in					Not avilable	
v	Disinfecting and cleaning twice daily for:						
vi	(i)Kitchen					No	
vii	(ii)Toilets					No	
viii	(iii)Changing rooms					No changing rooms	
ix	(iv)Plant and machineries/tools					No	
x	(v)PPE's disinfected daily					No	



## Semi-annual Environmental Compliance Monitoring Report July-December 2020

SN	Items	Requirements	Yes	No	NA	Remark	Supporting document
3	CONSTRUCTION SITE		Yes	No	NA	Remarks	Picture
a i	Entry	Guard present 24 hrs		√			
ii		Thermal temperature checks for all entering site		√			
iii		Hands sanitised before entering site		√			
b i	Delivery Zone	Specific Delivery Zone marked		√			
ii		Unloading team for construction material formed		√			
iii		Unloaded materials left untouched for minimum 24 hrs		√			
iv		Contactless delivery maintained		√			
c i	Travel to work	Travel to and from camp site arranged through official vehicle			√	labor camp is near from construction site.	
ii		Mask worn by all in vehicle		√			
iii		40% vehicle capacity maintained		√			
iv		Windows open for ventilation		√			
v		Disinfecting and cleaning of vehicle after every trip		√			
d i	Tool Box talk	Conducted with 1m distance while conducting toolbox talks		√			
ii		Tool box talk covering (i) proper use, handling and disposal of PPEs, (ii) need of cleaning and disinfecting work area and tools before and after work, (iii) procedure to follow if co-worker feels sick, (iv) emergency procedure		√			
e i	Worksite	Temperature checked before beginning work daily		√			
ii		1m distance maintained between workers		√			
iii		Workers divided into groups		√			
iv		Intermittent workers/new workers allotted separate work area from existing workers		√			
v		Hand washing facilities present (list areas present and numbers present )		√			
vi		Separate bottle provided to each workers for drinking purpose		√			
vii		Daily log book maintained at site to track the movement of workers and staffs		√			
viii		Restrict workers movement outside the construction site		√			
ix		PPE's provided and worn by all workers on site		√			
f. i	Camp	Labour camp fenced and guarded at all times		√			

## Semi-annual Environmental Compliance Monitoring Report July-December 2020

SN	Items	Requirements	Yes	No	NA	Remark	Supporting document
ii		2m distance maintained between beds maintained		√			
iii		Ventilation provided	√				
iv		Camp well drained	√				
v		Handwash and sanitization stations provided	√				
vi		Intermittent/new workers accommodated separately		√			
g i		Seating arrangement 1 m between each		√			
ii	Kitchen/ Toilet	Disinfected before and after each use		√			
iii		Meal times staggered to avoid crowd		√			
iv		Sufficient soap and water provided for washing		√			
4	AWARENESS & TRAINING		Office	Worksite	Labour camp	Remark	Picture
i		Posters and awareness materials present (areas posted)			√		
ii		Trainings/ orientation conducted (number)					
5	EMERGENCY PROTOCOL						
i		All staff/worker knows how to trigger the emergency protocol				No protocol set.	
ii		Quarantine and Isolation facility are ready with disinfection arrangement				No	
iii		Contact no. of hospital available and pasted at visible places				No	
iv		Ambulance or emergency vehicle with driver wearing full PPE is at standby				No	
v		Mock drills carried out (Yes/No)				No	
vi		No any COVID +ve case?? (Yes/No)				No	
vii		If yes, describe the emergency action taken-				No	
6	MONITORING AND REPORTING		Office	Worksite	Labour camp	Remarks	Picture
i		Checklist based monitoring is carried out (Yes/No)	√	√	√		
ii		Zero tolerance for casual attitude of workers maintained (Yes/No- explain what action was taken)				No	
iii		Virtual monitoring is also used (Yes/No)				No	
iv		Bi-weekly submission of checklist to employer (Yes/No)				No	

**Annex 4C****Covid-19 response status of the project as of last week of June 2021**

<b>Statement</b>	<b>Response in relation to Covid-19</b>
No. Of Schools under implementation	164
Number of school with construction activity stopped due to COVID-19	0
Number of DSC-REs/ SEs affected by COVID-19	0
DSC-ESMs affected by COVID	0
DSC supporting staffs affected by COVID-19 (i.e. Office Manager, Driver)	0
Number of Contractor's SE affected by COVID-19	0
Number of workers contracted by COVID-19	0
Number of sites where people from outside are not allowed	0
Number of school with COVID protocol followed adequately	164 schools partially
How were the staff and worker supported during treatment in case of infection (insurance?)	Local Authorities & Contractor for their staff.
Did the Standard Operating Procedure (SOP) prepared with ADB support was followed by the contractor	Partially
Anyone from Engineer or project monitored environmental safeguard and safety compliance during the lockdown	DSC- RE and Safeguard Monitor
Challenges faced	<ol style="list-style-type: none"> <li>1. Difficulty in mobilization of supervision staffs as police stopped the vehicle used by DSC, Contractor after each visit and holds for some time.</li> <li>2. The SMC people are afraid of Covid 19 and requesting DSC, Contractor not to have visit to school frequently</li> <li>3. Manpower from outside are not allowed to join the work of the site due to pandemic.</li> <li>4. While including local labors at work it is difficult to control their movement; difficult to convenience labor to make social distance.</li> <li>5. Difficulty in obtaining construction materials due to lockdown.</li> </ol>
Future Challenges	<ol style="list-style-type: none"> <li>1. The works are being delay due to less manpower due to which overall progress is being delayed and will harm the project.</li> <li>2. The local community nearby the school will not allow external people to monitor the site due to which the timely correction of the construction will not be achieved.</li> <li>3. Rainy season may hamper construction work.</li> <li>4. Vaccination and Material and Workers availability is a future challenge.</li> <li>5. Contractors are facing difficulty maintaining the use of mask, sanitizer, maintaining social distancing and washing hand regularly by the workers.</li> </ol>
Remarks	Until date there is no any fatality in the DRSP project due to covid-19

Annex 5: Environment Safeguards Compliance Matrix  
Disaster Resilience of Schools Project (DRSP)

Environment Safeguards Compliance Matrix for Recon1 and Recon2 schools \*Ranking Score (Poor= below 55; Average= 56-70, Fair 71-80; Good 81 -90, Excellent= above 90)

S. N.	Name of School/Code	EM P Cost included in BO Q	Safet y and PPE to work ers provi sion in BOQ	Total Score of Pre-constr uction stage	Contra ctor's enviro nment assuran ce officer appoint ed Office Mainte nance	Inform ation Board, Safety Board s establi shed	Constr uction site Safety (Barric ade/ Fencin g) provid ed	Slop e stab ility arou nd scho ol	Stor m water drain age man aged	Constr uction waste dispose d safely	Good housek eeping of constru ction materia ls	No Air/Du st polluti on during constr uction	No noise polluti on during constr uction	No water polluti on during constr uction	No impa ct on tree and veget ation	Impact on Public (Agricul ture/ Houses/B usiness)	No Social Issues due to labour s (Eg. Use alcoh ol, fights, disres pects)	Gend er issue s addres sed	No land acquis ition issues	First Aid Facil ity avail able	No constr uction Injurie s/ Accide nt	PPE suppl ied to labo urer	Insur ance of Labo ur	No chil d Labo ur	Good cond ition of Labo ur Camp/ toilet s	Was te from camp dispos ed safel y	Pota ble water suppl ied to labo urers	Total Score of constr uction stage	Restor ation of labour camp	Resto ration of const ructio n site	prep arati on of safeg uard compli ance repor t	Tota l Scor e of oper ation stage	Score (Poor= below 55; Average = 55-70, Fair 71-80; Good 81 -90, Excellen t= above 90)
	Score	4	2	6	3	3	5	3	3	5	8	4	3	4	3	2	3	3	3	4	5	5	2	2	5	3	4	85	4	3	2	9	100
	Recon1																																
	Okhaldhunga																																
1	Sunkoshi S.S, Balakhu	4	2	6	2	2	1	2	1	3	6	4	3	4	3	1	3	3	3	2	5	2	2	2	3	2	4	63				0	69
2	Rajyalaxmi S.S, Ubu			0																								0				0	Dropped
3	GramodayaYu.Si. S.S, Sinkichaur	4	2	6	2	1	2	2	1	2	6	4	3	4	3	1	3	3	3	2	5	2	2	2	3	2	4	62				0	68
4	Katunje S.S, Katunje	4	2	6	2	1	1	2	1	3	6	4	3	4	3	1	3	3	3	2	5	2	2	2	3	2	4	62				0	68
5	Fulmati S.S, Khijiphalate	4	2	6	2	1	1	2	1	2	6	4	3	4	3	1	3	3	3	2	5	2	2	2	3	2	4	61				0	67
6	Jalpa S.S, Kalimati	4	2	6	2	3	1	2	2	4	6	4	3	4	3	1	3	3	3	2	5	2	2	2	3	2	4	66				0	72
7	Himganga S.S, Rwadou	4	2	6	2	1	1	2	1	2	6	4	3	4	3	1	3	3	3	2	5	2	2	2	3	2	4	61				0	67
8	Jalpa S.S, Tarkerabari	4	2	6	2	1	2	2	1	3	6	4	3	4	3	1	3	3	3	2	5	2	2	2	3	2	4	63				0	69
	Sindhuli																																
9	Janapremi SS(JAMI) (Handed over)	4	2	6	2	2	3	2	2	3	4	4	3	4	3	2	3	3	3	4	5	2	2	2	5	3	2	68				0	74
10	Champadevi SS(CHVI) (Handed over)	4	2	6	2	2	3	2	2	3	4	4	3	4	3	2	2	3	3	4	5	3	2	2	4	3	3	68				0	74
11	Janajyoti SS (JATI) (Handed over)	4	2	6	2	3	5	3	2	3	4	4	3	4	3	2	3	3	3	4	5	3	2	2	5	3	4	75				0	81
12	Kausika SS (KAHA) (Handed over)	4	2	6	2	3	5	3	3	4	5	4	3	4	3	2	3	3	3	4	5	3	2	2	4	3	3	76				0	82
13	Sankareswor SS (ASOR) (Handed over)	4	2	6	2	2	5	3	3	3	3	4	3	4	3	2	3	3	3	4	5	3	2	2	5	2	3	72				0	78
14	Sri Pragatisil SS (SRIL) (Handed over)	4	2	6	2	3	5	3	3	4	6	4	3	4	3	2	3	3	3	4	5	2	2	2	5	2	3	76				0	82
15	Shree SS, Khayarsal (SHEEK) (Handed over)	4	2	6	2	3	5	3	3	4	7	4	3	4	3	2	3	3	3	4	5	3	2	2	4	2	4	78				0	84
16	Kyaneswor SS (KYOR) (Handed over)	4	2	6	2	1	5	3	3	3	4	4	3	4	3	2	3	3	3	4	5	2	2	2	4	2	3	70				0	76
17	Kapilakot SS(KAOT) (Handed over)	4	2	6	2	3	5	3	3	3	4	4	3	4	3	2	3	3	3	4	5	3	2	2	4	2	2	72				0	78
18	Sri Mahendrajhyadi SS (SRDI) (Handed over)	4	2	6	2	1	3	3	3	2	3	4	3	4	3	2	3	3	3	4	5	2	2	2	4	2	3	66				0	72
19	Ganesh SS (GAEH) (Handed over)	4	2	6	2	2	4	2	3	3	5	4	3	4	3	2	3	3	3	4	5	2	2	2	4	2	2	69				0	75
20	Chilaune Danda SS (CHNE) (Handed over)	4	2	6	2	2	3	2	2	2	3	4	3	4	3	2	3	3	3	4	5	2	2	2	4	2	3	65				0	71
21	Pachrukhi SS (PAHI) (Handed over)	4	2	6	2	2	5	5	2	3	5	4	3	4	3	2	3	3	3	4	5	2	2	2	4	2	3	73				0	79
	Ramechhap																																
22	Bharati S.S (Handed over)	4	2	6	2	2	3	3	2	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	70				0	76
23	Agleshori MA V (Handed over)	4	2	6	2	1	3.5	3	2	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	69.5				0	75.5



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S. N.	Name of School/Code	EM P Cost included in BO Q	Safety and PPE to workers provision in BOQ	Total Score of Pre-construction stage	Contractor's environment assurance officer appointed Office Maintenance	Information Board, Safety Board's established	Construction site Safety (Barricade/Fencing) provided	Slope stability around school	Storm water drainage managed	Construction waste disposed safely	Good housekeeping of construction materials	No Air/Dust pollution during construction	No noise pollution during construction	No water pollution during construction	No impact on tree and vegetation	Impact on Public (Agriculture/Houses/Business)	No Social Issues due to labourers (Eg. Use alcohol, fights, disrespect)	Gender issues addressed	No land acquisition issues	First Aid Facility available	No construction Injuries/Accident	PPE supplied to labourer	Insurance of Labour	No child Labour	Good condition of Labour Camp/Toilets	Waste from camp disposed safely	Potable water supplied to labourers	Total Score of construction stage	Restoration of labour camp	Restoration of construction site	Preparation of safeguard compliance report	Total Score of operation stage	Score (Poor= below 55; Average = 55-70, Fair 71-80; Good 81-90, Excellent= above 90)
24	Shree secondary school, Sikral(Handed over)	4	2	6	1	3	3.5	3	2	3	6	3.5	2.5	4	3	2	3	3	3	3.5	5	2.5	2	2	3.5	2.5	4	70.5				0	76.5
25	Manakamana Secondary School (Handed over)	4	2	6	1	3	3.5	3	2	3	6	3.5	2.5	4	3	2	3	3	3	3.5	5	4.5	2	2	3.5	2.5	4	72.5				0	78.5
26	Mahalangur SS(Handed over)	4	2	6	1	3	3.5	3	2	3	5	3.5	2.5	4	3	2	3	3	3	3.5	5	2.5	2	2	3.5	2.5	4	69.5				0	75.5
27	Bal SS (Handed over)	4	2	6	2	2	3.5	3	2	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	70.5				0	76.5
28	TamakoshiJanagariti S.S (Handed over)	4	2	6	2	2	2	3	2	2	5	3	2	4	3	2	3	3	3	4	5	2	2	2	3.5	2.5	4	66				0	72
29	Shree SS ,Jyamirekhani(Handed over)	4	2	6	1	3	3.5	3	2	3	6	3.5	2.5	4	3	2	3	3	3	3.5	5	2.5	2	2	3.5	2.5	4	70.5				0	76.5
30	Kali deviUchha Ma v(Handed over)	4	2	6	1.5	3	3.5	3	2	3	6	3.5	2.5	4	3	2	3	3	3	3.5	5	2.5	2	2	3.5	2.5	4	71				0	77
31	Shree SS, Harichinde (Handed over)	4	2	6	2	2	2.5	3	2	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	69.5				0	75.5
32	Maneda S.S (Handed over)	4	2	6	2	2	2.5	2	2	2.5	5	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	67				0	73
33	Sthanapati SS (Handed over)	4	2	6	2	2	2	2	2	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	68				0	74
	<b>Dolakha</b>																																
34	Bhim Ma Vi (Handed over)	4	2	6	0	1	1	1	2	2	3	4	3	4	3	2	3	3	3	1	4	3	2	2	2	3	4	56	4	3	2	9	71
35	MahendrodayaUchha Ma Vi (Handed over)	4	2	6	0	2	3	3	2	2	5	4	3	4	3	2	3	3	3	4	4	4	2	2	2	2	4	66	4	3	2	9	81
36	KutiDanda U Ma Vi (Handed over)	4	2	6	0	2	2	2	2	2	5	4	3	4	3	2	3	3	3	4	4	4	2	2	2	2	4	64	4	3	2	9	79
37	Gaurishankar ma vi (Handed over)	4	2	6	0	1	3	3	3	3	5	4	3	4	3	2	3	3	3	2	4	4	2	2	2	3	4	66	4	3	2	9	81
38	MahendraUchha Ma Vi (Handed over)	4	2	6	0	2	1	1	3	2	5	4	3	4	3	2	3	3	3	2	4	3	2	2	2	2	4	60	4	3	2	9	75
39	Bhadreshwor Ni Ma vi (Handed over)	4	2	6	0	2	1	2	2	2	4	4	3	4	3	2	3	3	3	2	4	2	2	2	2	2	4	58	4	3	2	9	73
40	Bhumesthan Ma V (Handed over)	4	2	6	0	2	1	3	2	2	5	4	3	4	3	2	3	3	3	2	4	2	2	2	2	2	4	60	4	3	2	9	75
41	Shree Bouddha Bhuwaneshwori (Handed over)	4	2	6	0	1	2	3	1	2	4	4	3	4	3	2	3	3	3	1	4	2	2	2	2	2	4	57	4	3	2	9	72
42	Ajadi Ma V (Handed over)	4	2	6	0	2	2	3	2	2	3	4	3	4	3	2	3	3	3	2	4	3	2	2	2	2	4	60	4	3	2	9	75
43	BhimendraPra V (Handed over)	4	2	6	0	2	2	3	2	2	4	4	3	4	3	2	3	3	3	1	4	2	2	2	2	2	4	59	4	3	2	9	74
44	Sankheshwor Ma V (Handed over)	4	2	6	0	2	2	3	2	2	4	4	3	4	3	2	3	3	3	1	4	2	2	2	2	2	4	59	4	3	2	9	74
45	TamraKaushal Ma V (Handed over)	4	2	6	0	2	2	3	2	2	5	4	3	4	3	2	3	3	3	4	4	3	2	2	2	2	4	64	4	3	2	9	79
	<b>Sindhupalchowk</b>																																
46	Shree Janasudhar Ma Vi (Handed over)	4	2	6	2	3	4	3	3	3	6	4	3	4	3	2	3	3	3	3	5	5	2	2	3	2	4	75	4	3	2	9	90
47	Shree BhimVidhyashramMavi (Handed over)	4	2	6	2	3	5	2	2	3	5	4	3	4	3	1	3	3	3	4	5	5	2	2	3	2	4	73	4	3	2	9	88
48	Shree KagesworiMavi(Handed over)	4	2	6	1	3	5	3	3	3	5	4	3	4	3	2	3	3	3	3	5	5	2	2	3	2	4	74	4	3	2	9	89
49	Shree BuddhodayaMavi(Handed over)	4	2	6	2	3	4	1	2	3	5	4	3	4	3	2	3	3	3	3	5	5	2	2	3	2	4	71	4	3	2	9	86

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S. N.	Name of School/Code	EM P Cost included in BO Q	Safet y and PPE to work ers provi sion in BOQ	Total Score of Pre-constr uction stage	Contra ctor's enviro nment assuran ce officer appoint ed Office Mainte nance	Inform ation Board, Safety Board s establi shed	Constr uction site Safety (Barric ade/ Fencin g) provid ed	Slop e stability arou nd scho ol	Stor m water drain age man aged	Constr uction waste dispose d safely	Good housek eeping of constru ction materia ls	No Air/Du st polluti on during constr uction	No noise polluti on during constr uction	No water polluti on during constr uction	No impa ct on tree and veget ation	Impact on Public (Agricult ure/ Houses/B usiness)	No Social Issues due to labour s (Eg. Use alcoho ls, fights, disres pects)	Gend er issue s addre ssed	No land acquis ition issues	First Aid Facil ity avail able	No constr uction Injurie s/ Accide nt	PPE supp lied to labo rer	Insur ance of Labo ur	No chil d Lab our	Good condition of Labo ur Cam p/ toilet s	Waste from camp disposed safel y	Pota ble water suppl ied to labo rers	Total Score of constr uction stage	Restor ation of labour camp	Resto ration of const ruction site	preparati on of safeg uard compli ance repor t	Tota l Score of oper ation stage	Score (Poor= below 55; Average = 55-70, Fair 71-80; Good 81 -90, Excellen t= above 90)
50	Shree MahendraPriyaAavi (Handed over)	4	2	6	2	2	4	3	3	3	5	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	74	4	3	2	9	89
51	Shree RajeshworiMavi (Handed over)	4	2	6	2	3	4	1	3	3	5	4	3	4	3	1	3	3	3	4	5	5	2	2	3	2	4	72	4	3	2	9	87
52	Shree JankalyanMaVi(Hande d over)	4	2	6	2	3	5	3	3	3	6	4	3	4	3	2	3	3	3	4	5	5	2	2	4	2	4	78	4	3	2	9	93
53	Shree Ganesh Mavi(Handed over)	4	2	6	2	3	4	2	2	3	5	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	73	4	3	2	9	88
	Kavrepalanchowk																																
54	Shree Gramonati Ma.vi (Handed over)	4	2	6	1	2	4	3	3	3	6	3	2	4	3	2	3	3	3	3	5	4	2	2	3	2	4	70				0	76
55	Shree Uma Shah Saikshya (Handed over)	4	2	6	2	3	4	3	3	4	7	4	3	4	3	2	3	3	3	2	5	5	2	2	3	2	4	76				0	82
56	Shree DapchaMa.Vi (Handed over)	4	2	6	2	3	5	1	2	3	6	4	3	4	3	1	3	3	3	4	5	5	2	2	3	2	4	73				0	79
57	Shree KuseshworMa.Vi (Handed over)	4	2	6	1	3	5	3	3	3	5	4	3	4	3	2	3	3	3	3	5	5	2	2	3	2	4	74				0	80
58	Shree JageshworMa.Vi (Handed over)	4	2	6	2	3	4	2	3	3	5	4	3	4	3	2	3	3	3	3	5	5	2	2	3	2	4	73				0	79
59	Shree MahakaliMa.Vi (Handed over)	4	2	6	1	2	4	3	3	3	5	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	73				0	79
60	Shree JorpatiMa.Vi (Handed over)	4	2	6	2	3	5	3	3	4	6	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	3	77				0	83
61	Shree AranikoMa.Vi(Handed over)	4	2	6	0	2	4	3	3	2	7	3	2	4	3	2	3	3	3	3	5	2	2	2	4	2	4	68				0	74
62	Shree JagritiMa.Vi (Handed over)	4	2	6	2	3	4	3	3	3	5	4	3	4	3	2	3	3	3	3	5	5	2	2	4	2	4	75				0	81
63	Shree SetiMa.Vi (Handed over)	4	2	6	2	3	4	2	2	3	5	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	73				0	79
	Bhaktapur																																
64	64(PAHA)SS (Handed over)	4	2	6	2	3	4	2	3	2	6	4	3	3	3	2	3	3	3	4	5	4	2	2	3	2	4	72	4	3	2	9	87
65	65(DEVI)SS (Handed over)	4	2	6	2	3	4	2	3	2	6	4	3	3	3	2	3	3	3	4	5	4	2	2	3	2	4	72	4	3	2	9	87
	Kathmandu																																
66	Shree-Kavresthali Secondary School (Handed over)	3	1	4	2	2	5	3	3	4	7	4	2	4	3	2	3	3	3	2	5	4	2	2	4	2	4	75	4	3	2	9	88
67	Shree-Kuleshwor Secondary School(Handed over)	3	1	4	0	1	5	3	3	2	4	4	3	3	3	2	3	3	3	4	5	2	2	2	3	2	4	66				0	70
	Recon2																																
	Okhaldhunga																																
1	Bhimsensthan SS (BHAN)	4	2	6	3	3	4.5	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	74				0	80
2	Chhatra Pragati SS(CHRA)	4	2	6	2	2	2	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	2	2	4.5	2	4	70.5				0	76.5
3	Harkapur SS(HAUR)	4	2	6	3	3	4.5	2	1	3	7	4	3	4	3	1	3	3	3	4	5	3	2	2	4.5	2	4	74				0	80
4	Himalaya SS(HIYA)	4	2	6	2	3	4.5	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	73				0	79
5	Jeewanpradip SS(JEIP)	4	2	6	2	1	4	2	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	69.5				0	75.5
6	Kalika SS, Moli(KAKA)	4	2	6	2	1	2	2	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	67.5				0	73.5

Semi-annual Environmental Compliance Monitoring Report July-December 2020

S. N.	Name of School/Code	EM P Cost included in BO Q	Safet y and PPE to work ers provi sion in BOQ	Total Score of Pre-constr uction stage	Contra ctor's enviro nment assuran ce officer appoint ed Office Mainte nance	Inform ation Board, Safety Board s establi shed	Constr uction site Safety (Barric ade/ Fencin g) provid ed	Slop e stability arou nd scho ol	Stor m water drain age man aged	Constr uction waste dispose d safely	Good housek eeping of constru ction materia ls	No Air/Du st polluti on during constr uction	No noise polluti on during constr uction	No water polluti on during constr uction	No impa ct on tree and veget ation	Impact on Public (Agricul ture/ Houses/B usiness)	No Social Issues due to labour s (Eg. Use alcoho ls, fights, disres pects)	Gend er issue s addre ssed	No land acqui sition issues	First Aid Facil ity avail able	No constr uction Injurie s/ Accide nt	PPE supp lied to labo rer	Insur ance of Labo ur	No chil d Lab our	Go o d condition of Labo ur Cam p/ toilet s	Was te from cam p dispos ed safel y	Pota ble water supplied to labo rers	Total Score of constr uction stage	Restor ation of labour camp	Resto ration of const ruction site	prepar ation of safeg uard compli ance repor t	Tota l Score of oper ation stage	Score (Poor= below 55; Average = 55-70, Fair 71-80; Good 81 -90, Excellen t= above 90)
7	Kalika SS, Sisneri(KARI)	4	2	6	2	3	3	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	71.5				0	77.5
8	Maheshwar SS(MAAR)	4	2	6	3	3	2	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	71.5				0	77.5
9	Mamkha SS(MAHA)	4	2	6	2	3	5	3	1	3	7	4	3	4	3	1	3	3	3	3	5	3	1	2	5	2	4	73				0	79
10	Panchakanya SS(PAYA)	4	2	6	3	3	5	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	74.5				0	80.5
11	Patle SS(PALE)	4	2	6	2	1	3	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	69.5				0	75.5
12	Saraswati SS(SATI)	4	2	6	2	3	3	3	1	3	7	4	3	4	3	1	3	3	3	4	5	3	2	2	4.5	2	4	72.5				0	78.5
13	Niketan SS(NIAN)	4	2	6	2	3	4	2	1	3	7	4	3	4	3	1	3	3	3	4	5	3	1	2	4.5	2	4	71.5				0	77.5
	Sindhuli																																
14	Gramkali SS(GRLI)	4	2	6	0	3	2	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2	2	2	3	1.5	4	65.5				0	71.5
15	Jana Jagaran SS(JANA)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2	2	2	3	1.5	4	66.5				0	72.5
16	Janata SS(JATA)	4	2	6	0	3	3	3	1	3	6	2	3	4	3	2	3	3	3	3	5	2	2	2	3	1.5	4	64.5				0	70.5
17	Kalika SS, Jarayotar(KAAR)	4	2	6	0	3	1	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2	2	2	3	1.5	4	64.5				0	70.5
18	Kalika SS, Langur Chabise(KASE)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	3.5	2	2	2.5	1.5	4	67.5				0	73.5
19	Kamada SS(KADA)	4	2	6	0	3	1	3	1	3	6	4	3	4	3	2	3	3	3	3	5	3.5	2	2	3	1.5	4	66				0	72
20	Kamala SS(KALA)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	3.5	2	2	3	1.5	4	68				0	74
21	Netra Kali SS(NERA)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2.5	2	2	3	1.5	4	67				0	73
22	Prabhat SS(PRAT)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2	2	2	3	1.5	4	66.5				0	72.5
23	Rastriya SS (RAYA)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2	2	2	3	1.5	4	66.5				0	72.5
24	Shree SS Ambote(AMTE)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	3.5	2	2	3	1.5	4	68				0	74
25	Shree SS Gadauli(GALI)	4	2	6	0	3	4	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2.5	2	2	3	1.5	4	68				0	74
26	Shree SS Ladabhir(LAIR)	4	2	6	0	3	4	3	1	3	6	4	3	4	3	2	3	3	3	3	5	2	2	2	3	1.5	4	67.5				0	73.5
27	Shree SS Marin Hayutar(MAIN)	4	2	6	0	3	4	3	1	3	6	4	3	4	3	2	3	3	3	3	5	3.5	2	2	3	1.5	4	69				0	75
28	Shree SS Saluke(SAKE)	4	2	6	0	3	3	3	1	3	6	4	3	4	3	2	3	3	3	3	5	3.5	2	2	3	1.5	4	68				0	74
	Ramechhap																																
29	Bauddha SS(BAHA)	4	2	6	2.5	3	4	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	73.5				0	79.5
30	Bhringeshwori SS, Bijulikot(BHOT)	4	2	6	2	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	72.5				0	78.5
31	Bhringeshwori SS, Kotgaun(BHRI)	4	2	6	3	3	4.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	74.5				0	80.5
32	Buddha Bhawani SS(BUHA)	4	2	6	3	3	2.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	72.5				0	78.5
33	Buddha Jana Priya SS(BUNA)	4	2	6	3	3	3	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	73				0	79
34	Jal Devi SS(DEVI)	4	2	6	3	3	3.5	3	1.5	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	72				0	78
35	Janata SS(JATA)	4	2	6	2.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	73				0	79
36	Jyoti SS Galba(JYTI)	4	2	6	3	3	4	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	74				0	80
37	Kalika SS(KAKA) Devi	4	2	6	1.5	2	3.5	2.5	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	70.5				0	76.5
38	Kantheshwor SS(KAOR)	4	2	6	3	3	4.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	74.5				0	80.5

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S. N.	Name of School/Code	EM P Cost included in BO Q	Safet y and PPE to work ers provi sion in BOQ	Total Score of Pre-constr uction stage	Contra ctor's enviro nment assuran ce officer appoint ed Office Mainte nance	Inform ation Board, Safety Board s establi shed	Constr uction site Safety (Barricade/ Fencin g) provid ed	Slop e stability arou nd scho ol	Stor m water drainage man aged	Constr uction waste dispose d safely	Good housek eeping of constru ction materia ls	No Air/Du st polluti on during constr uction	No noise polluti on during constr uction	No water polluti on during constr uction	No impa ct on tree and veget ation	Impact on Public (Agricul ture/ Houses/B usiness)	No Social Issues due to labour s (Eg. Use alcoho ls, fights, disres pects)	Gend er issue s addre ssed	No land acquis ition issues	First Aid Facil ity avail able	No constr uction Injurie s/ Accide nt	PPE supp lied to labo urer	Insur ance of Labo ur	No chil d Lab our	Good condition of Labo ur Cam p/ toilet s	Waste from camp disposed safel y	Pota ble water supplied to labo urers	Total Score of constr uction stage	Restor ation of labour camp	Resto ration of const ruction site	prepar ation of safeg uard compli ance repor t	Tota l Score of oper ation stage	Score (Poor= below 55; Average = 55-70, Fair 71-80; Good 81 -90, Excellen t= above 90)
39	Maharudra SS(MARA)	4	2	6	3	3	4.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	74.5				0	80.5
40	Manthali SS(MALI)	4	2	6	3	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	73.5				0	79.5
41	Saraswati SS(SATI)	4	2	6	3	3	4.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	74.5				0	80.5
42	Satalingeshwor SS(SHOR)	4	2	6	3	2	4.5	3	3	3	6	3	2	4	3	2	3	3	3	3	5	5	2	2	3.5	2.5	4	74.5				0	80.5
43	Shivalingeshwor SS(SHSS)	4	2	6	3	3	3.5	3	1.5	3	6	3	2	4	3	2	3	3	3	3	5	3	2	2	3.5	2.5	4	71				0	77
44	Shree SS Rakathum(RAUM)	4	2	6	3	2	2	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	71				0	77
45	Surke Deurali SS(SUKE)	4	2	6	3	2	3.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	3	2	2	3.5	2.5	4	72.5				0	78.5
	<b>Dolakha</b>																																
46	Balodaya SS(BAYA)	4	1	5	0	2	2	1	3	2	3	2	2	4	3	2	3	3	3	2	5	2	2	2	2	3	4	57				0	62
47	Chitre SS(CHRE)	4	2	6	0	2	2	2	2	2	2	2	2	4	3	2	3	3	3	2	5	2	2	2	2	3	4	56				0	62
48	Devi SS(DEVI)	4	2	6	0	2	2	1	2	2	2	2	2	4	3	2	3	3	3	2	5	2	2	2	2	3	4	55				0	61
49	Jana Jyoti SS, Gairimudi(JATI)	4	2	6	0	2	0	2	2	2	1	2	2	4	3	2	3	3	3	2	5	2	2	2	1	3	4	52				0	58
50	Jana Jyoti SS, Leptung(JANA)	4	2	6	0	2	1	1	2	2	2	2	2	4	3	2	3	3	3	1	5	2	2	2	1	3	4	52				0	58
51	Kalika SS, Hanwa(KAWA)	4	2	6	0	2	3	3	2	2	2	2	2	4	3	2	3	3	3	2	5	2	2	2	2	3	4	58				0	64
52	Lapilang SS(LANG)	4	2	6	0	1	2	2	2	2	2	2	2	4	3	2	3	3	3	1	5	2	2	2	2	3	4	54				0	60
53	Pashupati Kanya Mandir SS(PATI)	4	2	6	0	2	1	1	2	2	2	2	2	4	3	2	3	3	3	2	5	2	2	2	2	3	4	54				0	60
54	Sarada SS(SADA)	4	2	6	0	2	2	3	2	2	1	2	2	4	3	2	3	3	3	1	5	1	2	2	1	3	4	53				0	59
55	Satyeshwor SS(SAOR)	4	2	6	0	2	2	3	2	2	1	2	2	4	3	2	3	3	3	1	5	2	2	2	1	3	4	54				0	60
56	Thampu SS(THPU)	4	2	6	0	2	2	1	2	2	1	2	2	4	3	2	3	3	3	1	5	2	2	2	1	3	4	52				0	58
	<b>Kavrepalanchowk</b>																																
57	Bhaleshwor SS(BHAR)	4	2	6	1	1	3	3	2	4	6	4	3	4	2	2	3	3	3	3	5	3	2	2	3	2	4	68				0	74
58	Dedithumka SS(DEKA)	4	2	6	2	3	4	3	2	3	6	4	3	4	3	2	3	3	3	3	5	5	2	2	4	2	4	75				0	81
59	Gyaneshwori SS(GYRI)	4	2	6	1	3	3	3	2	4	6	4	3	4	3	2	3	3	3	4	5	5	2	2	4	2	4	75				0	81
60	Himalaya SS(HIYA)	4	2	6	1	2	1	2	1	2	5	4	3	4	2	2	3	3	3	2	5	2	2	2	2	2	4	59				0	65
61	Laxmi Narayan SS(LAMI)	4	2	6	2	1	3	3	2	3	4	4	3	4	2	2	3	3	3	3	5	4	2	2	3	2	4	67				0	73
62	Saraswati SS(SATI)	4	2	6	1	2	2	3	2	4	5	4	3	4	2	2	3	3	3	3	5	5	2	2	4	2	4	70				0	76
63	Sarbamangala SS(SALA)	4	2	6	3	3	5	3	2	3	6	4	3	4	2	2	3	3	3	3	5	4	2	2	4	2	4	75				0	81
64	Seti Devi SS(SETI)	4	2	6	2	1	4	3	1	2	6	4	3	4	2	1	3	3	2	4	5	3	2	2	3	2	4	66				0	72
65	Srikhandapur SS(SRUP)	4	2	6	2	2	5	3	2	4	6	4	3	4	3	2	3	3	3	4	5	3	2	2	4	2	4	75				0	81
	<b>Sindhupalchok</b>																																
66	Bhadrakali SS(BHLI)	4	2	6	2	1	3	1	2	3	6	4	3	4	3	1	3	3	2	4	5	5	1	2	3	2	4	67				0	73
67	Daduwa Bhawani Shankar SS(DAWA)	4	2	6	2	1	3	3	2	4	6	4	3	4	2	2	3	3	3	4	5	4	1	2	4	2	4	71				0	77
68	Jaleswori BS(JARI)	4	2	6	2	2	2	2	2	3	5	4	3	4	3	2	3	3	3	4	5	4	1	2	3	2	4	68				0	74
69	Mahendra SS(MARA)	4	2	6	2	1	2	2	2	4	6	4	3	4	2	2	3	3	3	2	5	4	1	2	4	2	4	67				0	73
70	Raithane S S(RANE)	4	2	6	2	1	2	2	2	3	5	4	3	4	2	2	3	3	3	4	5	5	1	2	3	2	4	67				0	73

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S. N.	Name of School/Code	EM P Cost included in BO Q	Safet y and PPE to workers provision in BOQ	Total Score of Pre-constr uction stage	Contra ctor's enviro nment assuran ce officer appoint ed Office Mainte nance	Inform ation Board, Safety Board s establi shed	Constr uction site Safety (Barricade/ Fencin g) provid ed	Slop e stability arou nd scho ol	Stor m water drainage man aged	Constr uction waste dispose d safely	Good housek eeping of constru ction materia ls	No Air/Du st polluti on during constr uction	No noise polluti on during constr uction	No water polluti on during constr uction	No impa ct on tree and veget ation	Impact on Public (Agricult ure/ Houses/B usiness)	No Social Issues due to labour s (Eg. Use alcohols, fights, disres pects)	Gend er issue s address ed	No land acquis ition issues	First Aid Facility avail able	No constr uction Injurie s/ Accide nt	PPE supp lied to laborer	Insur ance of Labor	No chil d Labor	Good condition of Labor Cam p/ toilet s	Waste from camp disposed safely	Potable water supplied to laborers	Total Score of construction stage	Restor ation of labour camp	Resto ration of const ruction site	preparati on of safeg uard complian ce repor t	Tota l Score of operation stage	Score (Poor= below 55; Average = 55-70, Fair 71-80; Good 81 -90, Excellen t= above 90)
71	Rameshwor SS(RAOR)	4	2	6	2	1	2	2	2	3	6	4	3	4	2	2	3	3	3	2	5	4	1	2	4	2	4	66				0	72
72	Sansari Mai SS(SARI)	4	2	6	2	1	5	2	2	2	5	4	3	4	2	2	3	3	3	4	5	4	1	2	3	2	4	68				0	74
73	Setidevi SS(SEVI)	4	2	6	2	1	2	2	2	2	6	4	3	4	3	2	3	3	3	4	5	4	1	2	3	2	4	67				0	73
	<b>Bhaktapur</b>																																
74	Adarsha SS(ADHA)	4	2	6	0	3	4	3	3	3	6	3	3	3	2	2	2	2	3	4	5	2	0	2	2	2	4	63				0	69
75	Bagishwori SS(BARI)	4	2	6	0	3	2	3	3	1	3	3	2	3	2	2	2	2	3	4	5	2	0	2	1	1	4	53				0	59
76	Bal Premi SS(BAMI)	4	2	6	0	3	4	2.5	3	3	4	3	2	3	2	2	2	2	3	4	5	2	0	2	2	2	4	59.5				0	65.5
77	Changu SS(CHGU)	4	2	6	0	3	3	3	3	1	5	3	2	3	2	2	2	2	3	4	5	2	0	2	2	2	4	58				0	64
78	Chunadevi SS(CHVI)	4	2	6	0	3	3	2	3	2	4	3	3	3	2	2	2	2	3	4	5	2	0	2	2	2	4	58				0	64
79	Krishna SS(KRNA)	4	2	6	0	3	0	2	3	2	4	3	3	3	1	2	2	2	3	4	5	2	0	2	2	2	4	54				0	60
80	Shanti SS(SHTI)	4	2	6	0	3	2	2	3	2	2	3	3	3	2	2	2	2	3	4	5	2	0	2	2	3	4	56				0	62
	<b>Kathmandu</b>																																
81	Balbodh SS(BADH)	4	2	6	2	1.5	2	1.5	1	3	4	4	3	4	3	2	3	3	3	3	5	3	0	2	2	2	4	61				0	67
82	Jalupa SS(JAPA)	4	2	6	2	2	4	2.5	1	3	5	4	3	4	3	2	3	3	3	1	5	4	0	2	3	2	4	65.5				0	71.5
83	Jana Prabhat SS(JAPR)	4	2	6	2	3	5	3	1	3	5	4	3	4	3	2	3	3	3	3	5	3	0	2	3	2	4	69				0	75
84	Jana SS(JAAR)	4	2	6	2	1	2	2	1	2	4	4	3	4	3	2	3	3	3	2	5	2	0	2	4	2	4	60				0	66
85	Kendriya SS(KEYA)			0	-	-	-	-			-									-		-			-			0				0	Dropped
86	Nabin Gram Shiksha Mandir SS(NAIN)	4	2	6	2	1	0	2	1	3	4	4	3	4	3	2	3	3	3	1	5	3	0	2	3	2	4	58				0	64
87	Pashupati SS(PATI)	4	2	6	2	1	4	3	1	3	5	4	3	4	3	2	3	3	3	0	5	5	0	2	3	2	4	65				0	71
88	Shanti Shiksha Mandir SS(SHTI)	4	2	6	2	1	4	3	1	3	5	4	3	4	3	2	3	3	3	0	5	5	0	2	3	2	4	65				0	71
89	Ugratara SS(UGRA)	4	2	6	2	3	4	3	1	3	5	4	3	4	3	2	3	3	3	3	5	4	0	2	3	2	4	69				0	75
	<b>Nuwakot</b>																																
90	Shree Gaurikharkha SS (GAKA)	4	2	6	1	3	4	2	2	4	5	4	3	4	3	2	3	3	3	2	5	5	2	2	4	3	4	73				0	79
91	Shree SS(KRNA)	4	2	6	1.5	3	4	2	2	4	5	4	3	4	3	2	3	3	3	2	5	3	2	2	3	2.5	4	70				0	76
92	Shree Mangala Devi SS(MALA)	4	2	6	1.5	3	4	2	2	4	7	4	3	4	3	2	3	3	3	4	5	5	2	2	3	3	4	76.5				0	82.5
93	Shree Gyan Jyoti SS (GYTI)	4	2	6	2	3	4	2	2	4.5	7	4	3	4	3	2	3	3	3	3	5	4	2	2	3	2.5	4	75				0	81
94	Shree Chandhi SS (CHDI)	4	2	6	1.5	3	4	2	2	5	7	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2.5	4	77				0	83
95	Shree Rukmani SS (RUNI)	4	2	6	1.5	3	4	3	2	5	7	4	3	4	3	2	3	3	3	4	5	5	2	2	4	2.5	4	79				0	85
	<b>Dhading</b>																																
96	Shree Deurali SS (DELI) (Handed over)	4	2	6	1.5	4	4	4	0	3.5	6	3	2	4	3	2	3	3	3	4	5	5	2	2	4	2	4	74				0	80
97	Shree Bal Mandir SS (BAIR)	4	2	6	1.5	4	4	3	0	4	7	3	0	4	3	2	3	3	3	2	5	5	2	0	4	2	4	68.5				0	74.5
98	Shree Tripura Sundari SS (TRRI) (Handed over)	4	2	6	1.5	4	4	3	0	4	6	3	2	4	3	2	3	3	3	4	5	4	2	2	4	1.5	4	72				0	78

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99	Shree Prakash SS(PRSH) (Handed over)	4	2	6	1.5	4	4	4	0	4	7	3	2	4	3	2	3	3	3	4	5	5	2	2	3.5	3	4	76				0	82
100	Shree Mahendrodaya SS (MAYA)	4	2	6	1.5	4	4	3	2	4	6	3	2	4	3	2	3	3	3	4	5	4	2	2	4	2.5	4	75				0	81
	Gorkha																																
101	Shree Alainche SS (ALHE)	4	1	5	2	1	4	3	3	3	6	4	3	4	3	2	3	3	3	2	5	3	2	2	3	2	3	69				0	74
102	Shree Sansari Mahendra SS (SARI)	4	1	5	2	3	5	3	3	4	7	4	2	4	2	2	3	3	3	3	5	3	2	2	3	2	3	73				0	78
103	Shree Siddhartha SS(SIHA)	4	2	5	2	3	5	3	3	3	6	4	3	4	3	2	3	3	3	3	5	3	2	2	3	2	2	72				0	77
104	Shree Suryodaya SS(SUYA)	4	1	5	2	3	5	2	3	3	6	4	3	4	3	2	3	3	3	2	5	3	2	2	4	2	2	71				0	76
	Makwanpur																																
105	Shree Pashupati SS (PATI)	4	2	6	3	3	4	3	3	3	6	3	2	4	3	2	3	3	3	0	5	2	2	2	3	2	3	67				0	73
106	Shree Bal Ujjwal SS (BAAL)	4	2	6	3	3	2	2	3	3	6	3	2	4	2	2	3	3	3	1	5	4	2	2	4	2	4	68				0	74
107	Shree Vyas SS(VYAS)	4	2	6	2	3	4	2	3	4	7	4	3	4	3	2	3	3	3	4	5	4	2	2	4	2	4	77				0	83