

# Environmental Compliance Monitoring Report

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## Semi-Annual Report

January 2021

Project Number: 51190-001

## Nepal: Disaster Resilience of Schools Project

Prepared by the Central Level Project Implementation Unit (Education) of National Reconstruction Authority 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
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
EEAP	-	Earthquake Emergency Assistance Project
EMP	-	Environmental Management Plan
EPR	-	Environment Protection Rules
GON	–	Government of Nepal
GRC	–	Grievance Redress Committee
IA	–	Implementing Agency
IEE	-	Initial Environmental Examination
LOC	-	Land Ownership Certificate
MoSTE	-	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 67 schools through first phase (Recon1) while review of Due Diligence Report and updating of master plan for 107 schools is ongoing for the second phase (Recon2). Moreover, the field investigation and survey work for the Retrofitting component is ongoing. The project has covered 8 districts namely, Kathmandu, Bhaktapur, Kavrepalanchok, Sindhuli, Sindhupalchowk, Okhaldhunga, Ramechhap and Dolakha in Recon1 while Nuwakot, Dhading, Gorkha and Makwanpur has been added in Recon2.

2. This project is categorized as Category “B” in terms of both Environmental Safeguards with the requirements of ADB SPS 2009. 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.

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 TL office and District Level Safeguards and 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 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. 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 COVID-19 and its implementation at construction sites.

6. There are 67 schools in Recon1, under construction, however the progress is quite varied in that some schools are just completing the foundation works while others have completed the structural works and even begun the internal works such as brick and partitions. The major ongoing works are rebar and form works, concreting works, brick masonry works, installation of doors, windows etc. Whereas, updating of DDRs for 107 schools under Recon2 school has been completed. Similarly, preparation of package wise consolidated DDRs for schools under Recon2 have also been completed. Further, 59 new schools has been assessed for the retrofitting of minor damage school buildings as per output-2 of the project. Retrofitting package 1 and package 2 comprising 29 schools from Kathmandu, Bhaktapur, Kavrepalanchowk, Sindhupalchowk, Dolakha, Ramechhap, and Sindhuli district have been awarded to contractor for retrofitting of minor damage school buildings.

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 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. Retrofitting of 18 School Buildings under Retrofitting package-1 in Sindhuli, Ramechhap and Dolakha Districts and 11 School Buildings under Retrofitting package-2 in Kavrepalanchowk, Kathmandu, Bhaktapur and Sindhupalchowk Districts have been awarded during this biannual. However, DSC instructed retrofitting contractor to provide 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. 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 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. Contractors are further instructed to install hand washing facility, do regular monitoring of temperature for all construction workers at site; as well as display 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.), providing separate water bottles for drinking water to each workers and; maintain social distancing/use of face mask as protection measures at working site.

11. Issue related to landslide and gully erosion was existed close to the 14 under construction schools under Recon1 and 6 schools under Recon2. All such issues are resolved after providing protection structures such as toe wall gabion walls etc. For example, landslide hazard existed at Sthanapati SS of Ramechhap, SS, Kuttidanda SS, Mahendra SS of Dolakha under Recon1 has been stabilized after construction of protection walls (stone masonry, gabion wall). Similarly, unstable slope existed closed to the Bhadrakali SS of Sindhupalchowk will be stabilized with the protection of protection walls. Whereas, remaining under construction school buildings under Recon1 and Recon2 are safe from landslide hazards. Good housekeeping is well maintained in 98 under construction schools. 116 under construction schools emitting insignificant dust in the ambient environment. Similarly, 63 schools have established emergency phone numbers at the vicinity of under construction school compound. Labour camp is established close to the all under construction schools under Recon1 whereas; such camps are under operation in 61 schools under Recon2. 86 labour camps are operated maintaining hygiene kitchen and 106 labour camps have disposed waste generated from the kitchen safely. Construction contractor have made availability of first aid facility in 76 under construction schools whereas contractors in remaining school are requested to maintain such facility as soon as possible. Similarly, construction contractor have maintained good safety signboards in 66 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 (EEAP) to support the rebuilding of schools, roads and district-level government buildings, and to strengthen the country's resilience to future disasters. This project was approved in June 2015 and is expected to complete by June 2019. 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), Government of Nepal (GoN).

13. The proposed project will improve disaster resilience of school infrastructure and communities in 14 districts of Nepal. The project will finance the school infrastructure investments, disaster risk management, and institutional strengthening and capacity building. More specifically, it will upgrade 130 district schools through reconstructing and 180 schools through retrofitting the damaged buildings. Currently, the project has undertaken the reconstructions of 67 schools through first phase (Recon1) while updating of Due Diligence Report and Master Plan for 107 schools has been undertaken for the second phase (Recon2). Moreover, the field investigation and survey work for the Retrofitting component is ongoing. The project has covered 8 districts namely, Kathmandu, Bhaktapur, Kavrepalanchok, Sindhuli, Sindhupalchowk, Okhaldhunga, Ramechhap and Dolakha in Recon1 while Nuwakot, Dhading, Gorkha and Makwanpur has been added in Recon2. Recon1 has started since October 2018 with the last contract award in February 2019 with construction period of 18 months.

14. The DSC recruited under the DRSP has reviewed the Due Diligence Report prepared for each school, Master Plan, BoQ, and bidding documents for the 107 schools planned to be undertaken in Recon2. The DSC will prepare the design and drawings, BoQ, and bidding documents for Retrof1 and 2, provide assistance for bid evaluation of the Recon2 and Retrof1 and 2, and supervise all Recon1 and 2 and Retrof1 and 2 civil works contract packages. Altogether, there are 182 schools that have been identified for the reconstruction and 158 schools have been identified (tentatively) for the retrofitting works. These schools are spread over the 14 most earthquake affected districts. The contracts for the 67 schools under Recon1 are in different stages of implementation. The design review of the 107 schools has been completed and so has the packaging been completed. Altogether 9 contract packages have been planned for tendering of Recon2 which has been started with awarding of packages are ongoing.

### **1.2 Objectives**

15. 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**

16. This project is categorized as Category B in terms of Environmental Safeguards with the requirements of ADB 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 107 schools under Recon2 has been awarded for reconstruction as per output-1 of the project. Further, 152 schools are selected for retrofitting of minor damage buildings.

17. Similarly, the Environment Protection Act, 2019 and Environmental Protection Rules, 2020, 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 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;
- Development of housing within 1 to 5 ha;
- 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;
- Development of site with cutting or filling of more than 20,000 cum. earth;
- Construction of buildings of 11 stories and above or a height of more than 25m height and up to 16 stories or 50m height;
- Construction and operation of building with the daily consumption of 20,000 liters of water;
- Urbanization of agricultural land.
- Construction work that may require clearing of up to 5 ha. forest area;

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

#### **1.4.1 Scope**

18. 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, Kavre, Lalitpur, Bhaktapur, Nuwakot, Okhaldungha, Ramechhap, Sindhuli, Makawanpur, Sindhupalchok and Rsuwa.

### 1.4.2 Implementation arrangements

19. 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.

20. 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.

21. 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

22. 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) Site visit and preparation of DDRs of 59 new schools selected for retrofitting under Retrofitting packages 3, 4, 5, and 6.
- (iii) Safeguards Experts have now started preliminary field survey in the schools selected for reconstruction under Recon3.
- (iv) Filling up of the checklist by Safeguards and GESI Monitors prepared by Safeguards Experts ;
- (v) Preparation of safety observations reports with photographic evidence and filling safety checklists;
- (vi) Supervision and guidance to the contractors and workers to properly carry out the safety practices during construction; and
- (vii) Organizing formal and informal meeting and orientation in schools and DLPIU level.

### 1.4.3 Description of the environment

23. 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

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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



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 school project sites under Recon1, Recon2, 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**

24. 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:mishrabp53@gmail.com">mishrabp53@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	
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	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

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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
17.	Indra Lal Maharjan	Engineer, DLPIU, Lalitpur	01-5538417	imaharjan55@gmail.com	Environment Safeguards Focal Person
18.	Bichari Prasad Adhikari	Section officer, DLPIU, Lalitpur			GESI/Social Safeguards focal person
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24.	Manohar Dhakal	Sub-Engineer, DLPIU, Rasuwa.			GESI/Social Safeguards focal person
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26.	Harichandra Sapkota	Section officer, DLPIU, Makwanpur			GESI/Social Safeguards focal person
27.	Nirmal Bogati	Engineer, DLPIU, Dhading	010-520124	nirvikalpa2013bg@gmail.com	Environment Safeguards Focal Person
28.	Sher Bahadur Khati	Sub-Engineer, DLPIU, Dhading			GESI/Social Safeguards focal person
<b>4. DSC-Safeguards Experts</b>					
1.	Rikesh Chitrakar	Environment Safeguards Expert/KTM head quarter	01-5245144	<a href="mailto:chitrakar.rikesh@gmail.com">chitrakar.rikesh@gmail.com</a>	Implementation, monitoring and reporting of environmental safeguards works of DRSP Schools of L-3702 NEP
2.	Ratna Meher Bajracharya	Social Safeguards Expert/KTM head quarter	01-5245144	<a href="mailto:ratna.mehar.b@gmail.com">ratna.mehar.b@gmail.com</a>	Guide and monitoring and supervision of social safeguards works of DRSP Schools of L-3702 NEP

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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
<b>5. DSC Safeguards and GESI Monitors</b>					
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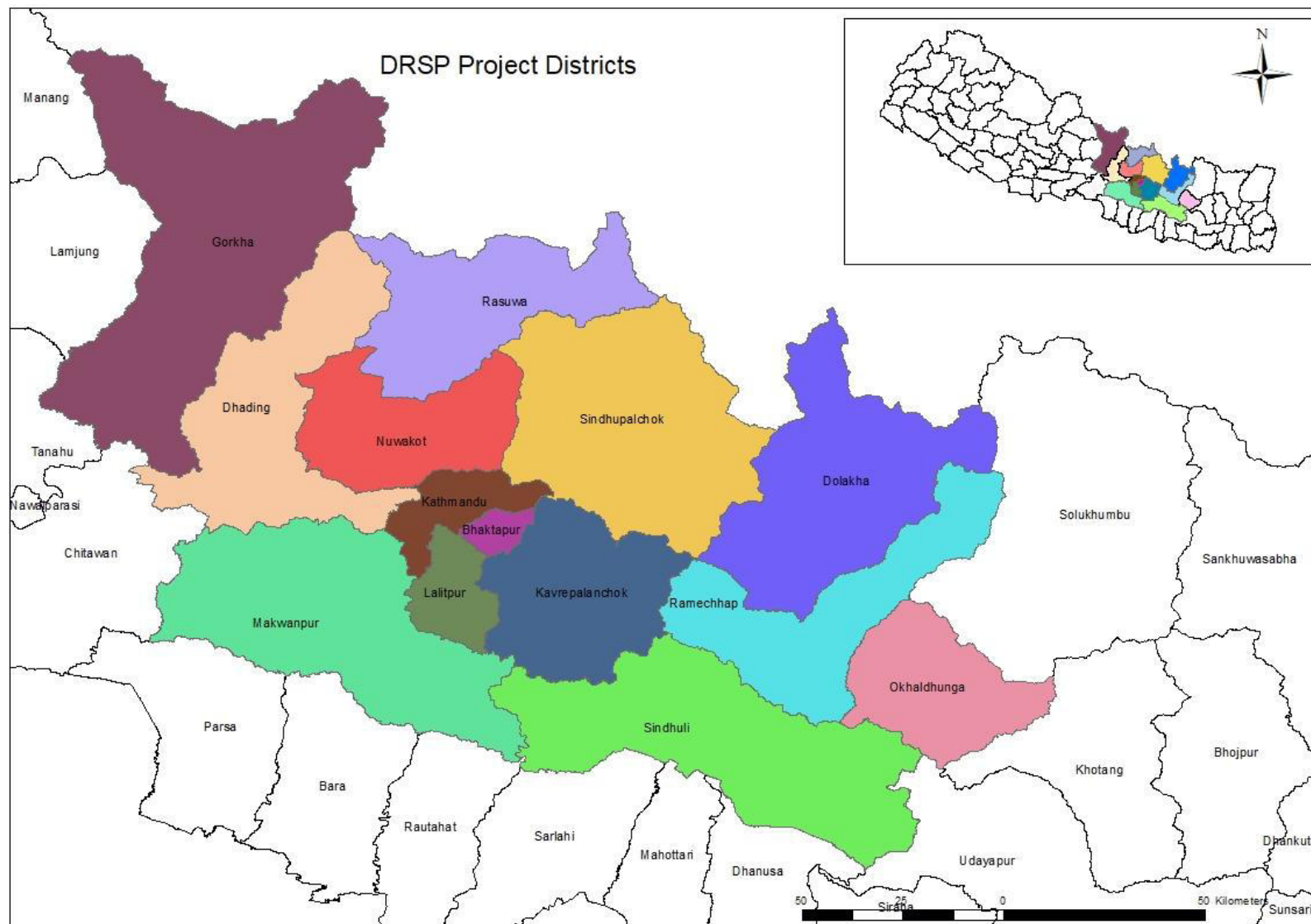


Figure 1-1: DRSP Project Districts.

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

25. Construction activity is still ongoing in the 67 schools under Recon1. The progress is quite varied from school to school however, structural works and outer plaster has been completed significantly. The major ongoing works are construction of retaining wall, stone masonry wall, installation of doors, and windows, construction of apron drain and breast wall, and stair case pavement works etc. Thirty-six schools constructed under Recon1 has been handed over to School Management Committee after complying all the environmental, health and safety issues. Similarly, construction of additional 107 schools under Recon2 is ongoing. Further, preparation of DDR and Master Plans for the additional 59 schools selected for retrofitting is completed during this bi-annual. In addition, preliminary assessment for the reconstruction of schools under Recon3 is ongoing. Due to the outbreak of novel corona virus (COVID-19) the construction activities of schools under Recon-1 and Recon-2 have been hampered in all DRSP districts. However, there has been an average Physical Progress of 91%, with highest being in Dolakha (100%) and lowest being in Okhaldhunga with (54%). As per initial Contract 131% of the time has elapsed except for Okhaldhunga package where 121% of the time has elapsed.

26. Construction of 107 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 107 different school sites in Recon2 spread over 12 districts. Contract package 1 Sindhuli and package 2 Okhaldhunga have been awarded recently. Contract package 3 comprising 4 schools from Gorkha and 3 schools from Makwanpur and contract package 4 comprising 5 schools from Dhading and 6 schools from Nuwakot have been awarded. Similarly, contract package 5 Kavrepalanchowk, package 6 Dolakha, and package 7 Ramechhap with 9, 11 and 17 schools respectively have also been awarded. Construction packages of Ramechhap, Okhaldhunga and Sindhuli under Recon2 has been awarded recently; hence, contractors are in mobilization stage. Similarly, contract package 8 comprising 9 schools from Kathmandu and 7 schools from Bhaktapur have been awarded. Contract package 9 covering 8 schools of Sindhupalchowk has been awarded for construction and contractor is in mobilization stage. There has been an average Physical Progress of 25%, with highest being in Sindhupalchowk 60% and lowest being in Ramechhap 3%, against a time lapse of 11 % in Sindhuli, 20% in Dolakha, 24% in Kavre, Kathmandu-Bhaktapur and Ramechhap and 59% in Sindhupalchowk, Nuwakot-Dhading and Gorkha-Makwanpur..

27. Design Supervision Consultant (DSC) Environment Safeguards Specialist, Social Safeguards Specialist and Gender Equity and Social Inclusion (GESI) Expert have visited and coordinated with selected schools for retrofitting of minor damage school buildings in Kathmandu, Lalitpur, and Bhaktapur in order to prepare DDR. The experts prepared DDRs for all schools under Retrofitting packages 3, 4, 5, and 6 during this biannual. Retrofitting package 3 comprises fourteen schools (12 schools from Kathmandu and 2 schools from Bhaktapur districts). Retrofitting package 4 comprises nine schools; 6 and 3 schools selected respectively from Kathmandu and Lalitpur. Similarly, 19 schools selected from different districts for retrofitting package 5, that comprises 3 schools from Nuwakot, 2 schools from Rasuwa, 4 schools from Dhading, 1 from Makwanpur and 9 schools from Gorkha district selected for retrofitting. Retrofitting package 6 comprises 17 schools; 2 schools from Sindhuli, 3-3 schools from Ramechhap, and Dolakha, 4 schools from Sindhupalchowk and 5 schools from Kavrepalanchowk selected for retrofitting. Further, individual DDR have been prepared for each school selected for retrofitting from the districts. Environmental Due Diligence section of the DDRs have been updated for all the schools proposed under retrofitting packages.

28. Updating of DDRs for Recon2 school have been completed. Preparation of package wise consolidated DDRs for schools under Recon2 have also been completed and are ready to upload in ADB site. 59 new schools has been assessed for the retrofitting of minor damage school buildings as per output-2 of the project. Retrofitting package 1 and package 2 comprising 29 schools from Kathmandu, Bhaktapur, Kavrepalanchowk, Sindhupalchowk, Dolakha, Ramechhap, and Sindhuli district have been awarded to contractor for retrofitting of

minor damage school buildings. Retrofitting of 18 School Buildings under Retrofitting package-1 in Sindhuli, Ramechhap and Dolakha Districts and 11 School Buildings under Retrofitting package-2 in Kavrepalanchowk, Kathmandu, Bhaktapur and Sindhupalchowk Districts have been awarded during this biannual. However, DSC instructed retrofitting contractor to provide EHS plan prior to the start of retrofitting activity.

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

29. 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 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.

30. 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 each under construction site in case of handling emergency situation.

31. Safety is the major concern during the construction activities of schools under Recon1 as well as Recon2 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. Contractors have constructed hard and soft barricades around the construction sites as per requirement and site conditions. Contractors are strictly instructed for the installation of hard barricade at the edge of the concrete slab until the safe protection wall not been constructed. Unauthorized persons including schoolchildren are prohibited entering into the under-construction area. Most of the proposed school are operating in temporary learning centers (TLCs) with the under-construction school buildings situated within the school premises.

32. 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.

33. 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. Further, recommendation has been made to improve ventilation, lighting, and sanitation condition of the camp area. 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.

34. 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.

59. Contractors have supplied potable water to labour workers in labour camps. Water has been supplied from water tankers for washing and kitchen purpose. 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. Further, recommendation has been made to improve ventilation, lighting, and sanitation condition of the camp area. 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. 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.

35. Any sort of non-compliance or safety issue 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.

36. 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. Most of the DSC site engineers were stuck at school construction sites as well as some were busy in supervision for schools that were doing the construction works in low profile during the countrywide lockdown period from April till date. DSC site engineers have faced series challenges to cope with the consequences of lockdown. Now, the situation has been improved and the construction activities have been resumed.

60. Shree-Kavresthali Secondary School (KALI) of Kathmandu under Recon1 is handed over to school management committee. The construction was completed and no environmental and safety issue prevailed. Construction of Shree-Kuleshwor Secondary School (KUOR) of Kathmandu has been completed substantially, however is yet to be handed over. Whereas, construction of schools under Recon2 has been started in all schools of Kathmandu. Construction of foundation work has completed and ground floor construction work is in progress in all school without environmental issue. In all under construction schools of Kathmandu, Project Information Board and safety board has been installed whereas only in two schools emergency contact number board has been installed. Several meetings were held between school management, contractor and DSC before starting construction activity and still ongoing in all the Schools of Kathmandu under Recon2. The agendas during such meeting were to maintain health and safety, location for storage of construction materials, establishment of labour camps etc. Contractor has made available for masks, sanitizer, and

hand washing facility to labourers at the site. Similarly, no environmental and safety issue prevailed during this quarter with the physical progress in the schools of Bhaktapur District. The construction of schools under Recon1 of Bhaktapur is completed without any environmental issue and are handed over. Establishment of temporary barricade started in recently awarded all seven schools under Recon2 of Bhaktapur District. The first aid box, safety signboard, project information, pamphlets of COVID-19, hand sanitizer, mask to all workers and emergence number are available in construction sites of Bhaktapur.

61. The construction works were halted significantly in the under construction schools under Recon-1 and Recon-2 due to country lockdown. However, construction activities resumed implementing measures to minimize risk from COVID-19 pandemic.

62. Among 12 schools under Recon1, construction of 7 schools from Ramechhap have been completed and handed over to SMC. Whereas, some schools under Recon2 are in their initial phase of construction. Contractor has purchased group insurance policy for all the workers and depending on their capability, (skilled/unskilled) workers were provided equal amount of wage. Separate labor camp and toilets were provided whereas the hygiene and sanitation in these places. PPEs are well maintained in Recon2 schools. However, instruction provided to contractor to make available for First Aid box in all school construction site under Recon2. The issues related to the minimization of risk from COVID-19 pandemic have been introduced for the safety of everyone in the under-construction schools of Ramechhap district. In order to minimize risk from the recent pandemic situation, contractors are instructed to provide safety measurements to the workers and camps. Further, instructed contractors to keep logbook for each school's site to keep the record of people coming in and going out from the sites. Contractors were further instructed to display pamphlet regarding covid-19 around the school in order to create awareness amongst the workers.

63. In schools of Sindhupalchowk under Recon-1, safety issue is being improved in the sites. Use of PPE by labour, construction and kitchen waste management is being improved. Due to construction activities, visible pollution or impact upon water bodies is not identified. No air pollution observed. Safe use of electrical cable and hygiene maintenance at labour camp is being strictly instructed from few months. Contractor representatives are instructed to close the safety issue. Time of maximum fifteen days was given to close the safety issues from the date of the observations and communication. However, 4 schools of Sindhupalchowk under Recon1 is handed over to SMC after completion of construction. Similarly, construction work has been started in all schools under Recon2. Construction of site barricading, use of PPE by labour, physical safety barrier at the edge of slab, management of construction and kitchen waste, first aid box, installation of safety sign board are to be in place. Use of LPG for cooking and construction of separate toilet for labour is under progress. Soap and water for hand washing and maintenance of hygiene is in place, however, instructed labor to maintain social distance with the community in all under construction schools under Recon 1 and Recon 2. Contractors were instructed to place awareness raising flyer on COVID-19 in site as well as maintain minimum requirement in site as per SOP drafted.

64. The construction works have started in all school sites of Nuwakot under Recon-2. The first aid box, safety signboard, project information board are available in the 6 sites. The sanitation of the construction sites are in progressive condition. The contractor has established temporary barricades in six sites. The contractors were instructed to provide PPEs and repair damaged barricade and affix the emergency phone numbers around the construction site immediately. Contractors were instructed to maintain good housekeeping in all under construction sites. The labor package insurance paper is not available in sites. However, instruction has been given to do it as soon as possible. Site engineers regularly monitor the use of PPEs. Until date, there is no any kind vector borne disease and communicable observed in all construction sites. To be safe from COVID-19, instruction has been given in all sites and minuting has been done.

65. Contractor in Gorkha under Recon2 has started the construction works at Shree Alainche SS, Shree Siddhartha SS and Shree Sansari SS with the local labours. Complete Site barricading work is done on in all four schools. Workers adopted proper use of PPEs like safety helmet, jacket and boot during construction period. No child labourers identified in the construction works. The first aid box, safety signboard, project information available in four sites. The water supply condition is acceptable, as water from nearby natural spring sources has been tapped. Workers observed proper use of PPEs like safety helmet, visibility vest, and boot during construction. Ventilation and lighting was good of labor camp. Contractor has supplied water in camps and at construction site maintaining sanitation and hygiene practices, the condition is average. The condition of water supply is acceptable as they consume water from nearby natural spring sources affecting demand of community and school. Until this date communicable and vector borne disease among construction workers is not found.

66. 8 out of 10 schools from Kavrepalanchowk district under Recon1 has been handed over after complying with environment, health and safety issue. Construction of school building in the remaining schools under Recon1 is under progress. Similarly, contractor has started construction work in recently awarded schools under Recon2. However, contractor has been instructed to provide thermal gun, sanitizer at the site. Further, instructed to adopt preventive measures in avoiding or minimizing the risk of COVID-19. Checklist for assessing COVID-19 to measure the action taken against COVID-19 were filled. 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 conduction work. However, Safety PPE's like helmet, Safety boot, Safety Jacket and safety gloves are available sufficiently in the site and some of the workers use it regularly.

67. 11 out of 12 schools under Recon1 of Dolakha District have been handed over to SMC after completion of construction of new school buildings complying all the environmental, health and safety issue. No environmental safeguards issue is remaining in the schools after completion of construction work. Contractor has started construction of 11 Schools under Recon2 in Dolakha district. 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 schools area is stable. Locals are employed for stone masonry work whereas in most of the sites locals participated for concreting works. No female workers and issue of child labor existed. Similarly, no fatal accident occurred until date. Contractor has maintained safety barricade/fencing around most of the on going construction site. However, instruction was given to keep soap, water, sanitizer, thermometer, separated water bottled to workers at all sites. Contractor has been instructed to maintain facility in order to minimize risk from COVID-19 pandemic.

68. Construction is ongoing in all 3 schools under Recon2 of Makwanpur district as presented in the physical progress section of this report. The first aid facility, safety signboard, project information, emergence numbers are available in two sites, however, contractor is instructed to install safety signboard and project information at under construction Vyas SS. The labours and contractor are instructed to clean the sites at least every alternate week and maintain good housekeeping. Contractor has established group insurance of all labour as well as first aid facility are available in all sites. Safety supervisor regularly monitors the use of PPEs. The labor package insurance paper, first aid facility and emergency number was available in all sites. Until date, there are no vector borne and communicable diseases observed in construction sites.

69. The construction work is ongoing in 4 of the schools under Recon-2 in Dhading district. Site office is in good condition in all the construction sites. Contractor supervisor in construction sites regularly checks the use of PPEs by workers. The first aid box, safety signboard and project information and emergency phone numbers are available in every sites. Contractor has installed safety signboards in Shree Deurali SS, Tripura SS, Mahendrodaya SS and Shree

Prakash SS and instructed to install in Balmandir SS construction sites. The sanitation of the labour camp of construction implementing sites is good in condition. The construction work is being run with strict prohibition of use of child Labour. The construction work on all ongoing sites has started with local labours and are getting the payment depending upon their work type (skilled, unskilled). Hand wash, sanitizer facility and pamphlets on information about COVID-19 was installed in all construction site. Vector borne and communicable disease has not been observed in the construction sites until date.

70. The overall safety status of under construction schools in Sindhuli District is in acceptable condition. 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. Contractors are further instructed to use the safety harness while working at height. Furthermore, the contractors were also instructed to conduct occupational health and safety awareness and performance of their own work and shall be documented and submitted to DSC every month.

71. Amidst the lockdown, due to global pandemic Covid-19, the construction has been gradually increasing at the under construction schools of Okhaldhunga district. Contractor has supplied water in all construction sites and coordinated with schools in case of water supply in the schools. First Aid Box was in all the sites. However, contractors were instructed for the first aid box to be in place in each construction site as well as to maintain the standard of first aid box. Also checked the condition of the first aid box as already present in the sites. Contractors have shown interest in maintaining the safety of the site. Contractors were instructed to install barricades around the trench excavated close to the building. Contractors were further instructed to install hard barricades around the school compound area to avoid unauthorized persons entering into the school. Contractor representatives and labourers are instructed to maintain occupational health and safety of the site. Also instructed to maintain sanitation and good housekeeping at under construction site and within the campsite. Contractor representatives/labourers were instructed to clean the sight and maintain proper housekeeping and aware as well as instructed to maintain safety with proper barricade and safety signboards and maintain information boards properly so that the local people and concerned stakeholders would be familiar with the projects. Least of all, handwashing facility, awareness pamphlets, and sanitizing dispenser has been kept at the entrance of site. No any impact related to health and safety is endured until date.

72. 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, as most of the schools are situated within the Kathmandu valley. 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 labor 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.

73. Issue related to landslide and gully erosion was existed close to the 14 under construction schools under Recon1 and 6 schools under Recon2. All such issues are resolved after providing protection structures such as toe wall gabion walls etc. For example, landslide hazard existed at Sthanapati SS of Ramechhap, SS, Kuttidanda SS, Mahendra SS of Dolakha under Recon1 has been stabilized after construction of protection walls (stone masonry, gabion wall). Similarly, unstable slope existed closed to the Bhadrakali SS of Sindhuplachowk will be stabilized with the protection of protection walls. Whereas, remaining under construction school buildings under Recon1 and Recon2 are safe from landslide hazards. Good housekeeping is well maintained in 98 under construction schools. 116 under construction schools emitting insignificant dust in the ambient environment. Similarly, 63 schools have established emergency phone numbers at the vicinity of under construction school compound. Labour camp is established close to the all under construction schools under Recon1 whereas; such camps are under operation in 61 schools under Recon2. 86 labour camps are operated maintaining hygiene kitchen and 106 labour camps have disposed waste generated from the kitchen safely. Construction contractor have made availability of first aid facility in 76 under construction schools whereas contractors in remaining school are requested to maintain such facility as soon as possible. Similarly, construction contractor have maintained good safety signboards in 66 under construction schools. Until date, no any fatal accident occurred due to the construction of schools under DRSP. Further, the quantified data on environmental performance of the project is presented in the following table. Whereas, the detail analysis of quantified data is presented in the Table 1-3 and Annex 5.

74. Health and safety status of the under construction schools are presented in following 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 DRSP District Schools

Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
Emergency telephone numbers in place	Instructed for emergency telephone numbers in place soon.	Emergency numbers are in place.	Emergency telephone numbers are in place in all schools.	Phone numbers of nearby health post, school teacher, contractor supervisor are in place.	Available in all schools of Recon1 and eight schools of Recon2	Emergency telephone numbers in place in some the schools. Other schools are instructed to comply soon.	Available in both under construction schools of Bhaktapur.	Available in both of the sites.	Yet to make available as construction is delay due to lock down.	Yet to be established.	Requested contractor to make available in all the sites.	Installed in 1 site among 4 sites
Insurance of the worker	Group insurance of workers	Yes.	Group insurance policy. In all 12 schools	Group insurance policy. In all 12 schools	labour insurance of all schools of Recon1 - Sagarmatha Insurance Company; purchase of the policy is in progress for Recon2	Labour insurance of all workers (package system)	Package insurance available in both sites	Available in both of the sites.	Package insurance available in all sites.	Available at all sites	Available in both of the sites.	Group insurance policy. In all 4 schools
Tool Box Meeting	Yes	Yes	Yes	Yes	Yes	Rarely done	Weekly meeting done with contractor	Yes	Yes		Yes	Yes
Barricading around the school	Instructed to improve barricade around all the schools.	Instructed to improve barricade around the school.	Available in all sites instructed to improve	Barricading around the most of the schools were yet to be improved, whereas, most of the schools have practised partial site barricading. All the contractors supervisor is strictly instructed to barricade soon.	Available in all site. Instructed to improve.	Barricading done by Zinc sheet and chain link fence in most of the schools.	Temporary barricades are removed because permanent railing and fencing boundary installed	Yes. (Compound Fencing completed in KALI_66 and started in KUOR_67).	Temporary barricades are done in all school sites.	Completed in two sites and work under progress at one site	Yes.	Completely done in all sites
First Aid Box	Instructed to improve the facility.	Instructed to improve the facility.	Sikral SS and Kali Devi Uchha Ma V. Instructed to	First aid box on place. Instructed to improve the facility.	Available in Recon1 schools however,	Available in few sites	Available in both sites	Available	Available in all sites	Yet to be established	Available	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
			keep first aid at site. One of the site namely Tamakoshi Janajakriti SS is paying the money to nearby clinic in monthly basis for the treatment of workers		instructed to place in Recon2 schools.							
First Aider	Contractor personnel have been involving.	Contractor site Engineer/ Focal Person	Site Supervisor is responsible person for first aid	Site supervisor	Site in charge /supervisor	Not available	Safety supervisor	Site supervisor	Safety supervisor	Safety supervisor available in all site	Site supervisor	No separate First Aider but contractor supervisor are performing that role in the sites
Contractor's environmental assurance officer	Requested contractor to appoint the assurance officer soon.	Requested contractor to appoint the assurance officer soon.	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 is doing all the task relating to Environment and Social issues. Also, contractors' supervisor is instructed to implement safety.	Not yet available	Not given name yet	Contractors SE is doing all the task relating to Environment and Social issues. Also, contractors' supervisor is instructed to implement safety.	No
Establishment of camp	Camps are established	Camp established	Established with bedding	Bedding material, lighting, cooking,	Bedding material,	In some schools, old school building	Bedding material,	Established nearby the	Bedding material,	Bedding material,	Established nearby	Presence of Labour

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Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
	providing bed, lighting and water facility including cooking facility. Spring water available for the construction. In some cases, camps are established in rental houses.	with bedding, washing, and cleaning and toilet facility within the school premises in old school classrooms.	material, lighting, cooking, washing, and bathing facility.	washing, bathing facility within the school premises in old school classrooms.	lighting, cooking, washing, bathing facility available.	has been used as a labour camp while in some made up of tin with light, LPG stove, sleeping mat.	lighting, LPG Gas available, washing, bathing facility available.	construction site. Cooking, washing, bathing facility available.	lighting, LPG Gas available, washing, bathing facility available.	lighting, cooking, washing, bathing facility is available	the construction on site. Cooking, washing, bathing facility available.	camp in all sites
Potable water supply and sanitation at the camp site	Contractors are requested to improve sanitation condition.	Available	Available	Available	Available	Available	Available in both sites	Available	Available in both sites	The water supplies sufficient in all side	Available	Presence of water supply and sanitation at all the sites
Use of energy in camps and project site	Electricity, LPG,	Electricity, LPG,	Electricity, LPG.	Electricity, LPG.	Electricity, LPG, (except for two schools, firewood is used being located in remote area)	Electricity, LPG for cooking and firewood in one school.	Electricity, LPG for cooking.	Electricity, LPG for cooking.	Electricity, LPG for cooking.	The electricity and LPG gas facility available	Electricity, LPG for cooking.	LPG gas in all sites
Establishment of proper signage boards for safety	Instructed to install more safety boards around the school boundary and entrance gate in local language. Requested contractor to improve safety.	Instructed to have more safety boards around the school boundary and entrance gate. Requested contractor to improve safety.	10 schools out of 12 have got safety signage board. Other is being instructed to place soon.	Most of the sites have placed the proper signage and safety board. Requested contractor to improve safety. Requested Recon2 contractor to install.	Most of the site consists of safety signboard. Requested contractor to improve safety.	Available in most of the sites	Available in both sites	Available.	Available in both sites	Safety sign board available in one sites and is progress in another two.	Available	Presence of proper safety signage board at site



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Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
Use of PPEs by workers	Instructed to improve use of PPE by worker.	Instructed to improve use of PPE by worker.	The use of PPEs by labour is improving. Orientation to labours on importance of use of PPEs is being provided to change their perception regarding importance of PPEs	In most of the site labour were found using PPEs properly. Instructed to improve use of PPE by worker.	Practised, but yet to be improved.	PPE available but negligence in its use has been seen in some sites.	Regularly supervised by safety supervisor	Yes, however to be improved. Contractor shall provide PPEs immediately to new workers once recruited.	Regularly supervised by safety supervisor	Regularly monitored by safety supervisor	Yes, however, contractor is requester to improve its number and quality.	Proper use of PPEs by workers
Use of safety harness while working in scaffolding and above ground level	Made compulsory while working at height. However, still ground level concreting work is ongoing in most of the under construction schools.	Instructed to maintain safety platforms while working at height.	Labours are not familiar using safety harness. Instructed to maintain safety platforms while working at height.	Not familiar with safety harness, however, Instructed to maintain safety platforms while working at height. Most of the sites have practised the safety platform working at height.	Use of safety harness started in some schools. Instructed to use safety harness while working at height.	Instead of harness, use of bamboo ladder, ropes and zinc sheet are existed.	Scaffolding and safety harness used while working at height	Instructed to maintain safety platforms while working at height but they do not use safety belt.	Scaffolding and safety harness will be used while working at height	No need till date	Instructed to maintain safety platforms while working at height as not progressed to specific works.	Will be monitored
Plans prepared prior to the implementation	EMP and H&S plan for Recon-2 schools to be submitted soon	No	Implemented	Plan in place however, instructed contractor to revise the plan.	Yes	Plan in place however, instructed contractor to revise the plan.	Handle painting chemical safely	Yes	Handle painting chemical safely	Not decided	Yes	Implemented
Air/Dust and Noise	Air pollution, and noise is acceptable limit.	Not significant pollution	No issues related to pollution	Low	No	Noise produced by electrical instrument and dust by using excavator during work.	Both sites far from core city area	No air pollution but noise pollution is there during Railing work.	All sites are far from core city area	No air and noise pollution	No air pollution and noise pollution	No air dust and noise pollution in all site
Disturbance to existing traffic flow	No	Not significant impact	No	No	No	All sites are quite far from core city area	Both sites are quite far from core city area	No.	All sites are quite far from core city area	The construction sites are quite	No.	No any disturbance

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Issues	OKGA	SILI	RAAP	DOHA	SIWK	KAWK	BHUR	KADU	NUOT	MAUR	DHNG	GOHA
										far from city		
Housekeeping	Need more improvement	Moderate	Average	Fair, but needs improvement.	Average condition	Fair, but needs improvement.	Maintained	Average	Not well Maintained	Good	Average	Good housekeeping implemented
Accident	No	No	No accidents till date	No Fatal Accident till date	No	No	No	No	No	Till date there no any accident	No	No any accident till date in all sites
Child labour	No	No	No	No	No	No	No	No	No	No child labour found till date	No	Child labour is strictly prohibited in all sites
Grievances	GRM established; however no grievance recorded.	GRM established no grievance.	GRM established; no grievance received yet.	GRM established no grievance received yet.	GRM to be established in Recon2; no grievance recorded.	GRM established but no grievance has been recorded until date.	GRM established no grievance.	GRM established no grievance.	GRM established no grievance.	Committee formed both site and DLPLU	GRM established in only two of the school; no grievance.	GRC 2 has been recently formed in DLPIU. GRC 1 is formed in all 3 sites except one site

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

**Table 1-3: Number of DRSP schools (within Recon1 & 2) 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	8	2	0	0	7	0	7	0	1	7	1	1
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>	67	14	45	51	65	48	64	52	42	55	46	36
<b>Recon2</b>												
Gorkha	4	0	4	4	4	1	4	4	4	4	4	4
Makwanpur	3	0	2	2	3	0	3	3	1	1	-	1
Dhading	5	0	4	4	4	0	5	5	4	3	5	5
Nuwakot	6	0	5	5	6	0	6	6	4	5	6	6
Kavrepalanchowk	9	2	6	8	8	4	8	4	8	7	5	4
Dolakha	11	0	1	2	1	2	10	2	2	10	0	0
Ramechhap	17	0	17	17	17	0	17	17	17	17	2	5
Kathmandu	9	0	-	-	-	-	-	-	-	-	-	-
Bhaktapur	7	0	-	-	-	-	-	-	-	-	-	-
Sindhupalchowk	8	4	5	5	8	8	8	8	4	4	8	5
<b>Total</b>	107	6	44	47	51	15	61	49	44	51	30	30
<b>Grand Total</b>	174	20	89	98	116	63	125	101	86	106	76	66

**a) Action taken by DSC:**

37. 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 provided comments and suggestions on Environment Management Plan and Health and Safety Plan submitted by the contractors for Recon2 Schools (Khani Nirman Sewa for package 3 Gorkha & Makwanpur and package 9 Sindhupalchowk; and KC & Samantar Jv for package 4 Dhading & Nuwakot).
- DSC safeguards experts instructed and suggested to retrofitting contractor (New Tech.) to submit Environment Management Plan and Health & Safety Plan prior to the start of retrofitting activity in Retro package 1 & 2.
- 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:**

- **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.

## **2. Compliance status of project**

38. 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 107 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	0	Established	Established
2.	Okhaldhunga	13	0	Established	Established
3.	Gorkha	4	3	Established	Established
4.	Makwanpur	3	2	Established	Established
5.	Dhading	5	5	Established	Established
6.	Nuwakot	6	6	Established	Established
7.	Kavrepalanchowk	9	3	Established	Established
8.	Dolakha	11	7	Established	Established
9.	Ramechhap	17	0	Established	Established
10.	Kathmandu	9	2	Established	Established
11.	Bhaktapur	7	0	Established	Established
12.	Sindhupalchowk	8	7	Established	Established
	<b>Total</b>	<b>107</b>	<b>35</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.

39. 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. However, no any grievances are recorded until date after establishment of GRCs. Likewise; GRC1 has been established in 35 schools under Recon2. Establishment of those committees at schools and at DLPIUs under Recon2 is still under progress (Table 2-2).

### 3. Compliance status with environmental loan covenants

40. 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 Schedule 4, para 4	4. The Borrower shall not award any Works contract that involves involuntary resettlement impacts, until the it has prepared and submitted to ADB the final RP based on the Project's detailed design, and obtained ADB's clearance of such RP.	Resettlement Framework (RF) has been prepared supplemented by a due diligence study in accordance with ADB SPS 2009 to provide guidance for social screening and	Evidence of land ownership certificate (LOC) from most of the schools have been

Sn.	Covenants as Mentioned in Schedule 4	Status of Compliance	Action Required
<b>Implementation Arrangements</b>			
		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.	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 updated DDRs of schools under RECON-01.



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>Labor Standards, Health and Safety</b>			
Loan Agreement Schedule 4, para 9	<p>9. The Borrower shall ensure that the core labor 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 labor law and regulations and incorporate applicable workplace occupational safety norms; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; (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.</b> DLPIU through its Design and Supervision Engineer (DSC) is supervising and monitoring the compliance of the labor, 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 8 Recon1 districts to support the DLPIU 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
<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

41. 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>

42. 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:contechlumbini.khl@gmail.com">contechlumbini.khl@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
3.	CONT_SHARMA_KHANI_8_SS_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_SWACHH_KHANI_10_SS_KARE&2_SS_BHUR 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_SWACHH_KHANI_10_SS_KARE&2_SS_BHUR Sharama-Swachhanda-Khani J/V	Bhaktapur	Sagar Chaulagain Akin Shrestha		9851100701 9863862755
7.	CONT_SHARMA_SWACHH_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_SS_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

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)

**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	<ul style="list-style-type: none"> <li>▮ Basically, the Government prepared model school typical designs shall be implemented..</li> <li>▮ School building and other facilities shall be children and disabled friendly.</li> <li>▮ Toilets shall be separate for boys and girls at a comfortable distance.</li> <li>▮ Permanent water supply system for drinking and sanitation shall be ensured in each school.</li> <li>▮ 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.</li> <li>▮ 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.</li> </ul>	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	<ul style="list-style-type: none"> <li>▮ Recommend the contractor to employ local people by giving emphasis on women and vulnerable groups;</li> <li>▮ Ensure equal wages to male and female;</li> <li>▮ Promote use of local products and facilities, particularly consumables items.</li> </ul>	Equal wage provided to male and female workers.
4.	Skills Enhancement	<ul style="list-style-type: none"> <li>▮ Workers will be encouraged to develop skill while working with international contractors through hands on training;</li> <li>▮ 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;</li> <li>▮ Project may prepare construction manual with illustrative steps of performing the work in Nepali language on various construction disciplines.</li> </ul>	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	<ul style="list-style-type: none"> <li>▮ Follow National Environmental Guideline for School Improvement and Facility Management for site selection, design, and monitoring activities.</li> <li>▮ Avoid or maintain adequate distance from landslide or erosion areas.</li> <li>▮ Adopt right angle of cut on slopes.</li> </ul>	Mitigation measures such as construction of retaining and gabion walls are applied close to Schools in

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<ul style="list-style-type: none"> <li>▮ Stabilize slopes by engineering and bioengineering measures including check-dams.</li> <li>▮ Measures taken to avoid undercutting of hill toes that may cause slides.</li> <li>▮ Use check dam and channeling of water to avoid erosion and slides.</li> <li>▮ Do not exert excess load on slopes by disposing spoil.</li> </ul>	Ramechhap District <sup>5</sup> . Landslide at the back of 33_Sthanapati SS (STTI) with maximum height-16 m existed; for which technical team has carried out survey and protection wall is to be constructed for the protection of the slide as well as school building.
7.	Permanent and temporary land use changes	<ul style="list-style-type: none"> <li>▮ Do not dump spoil on surrounding agricultural land or open area;</li> <li>▮ Landscape the school premises and keep as much open area as possible;</li> <li>▮ 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>▮ 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>▮ Leakage of fuel, lubricants and chemicals on soil will be avoided by storing them on impervious surface with proper peripheral drainage;</li> <li>▮ 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>▮ 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>▮ Haphazard disposal of construction materials will be strictly prohibited;</li> <li>▮ 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>▮ 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>▮ Provide solid waste container inside the construction site;</li> <li>▮ Give health &amp; Hygienic training to workers;</li> <li>▮ 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>▮ Provide adequate drainage system to have minimum interference with natural drainage pattern within and around the school compound area;</li> <li>▮ Avoid blocking or diverting water away from natural watercourse;</li> </ul>	No significant impact upon drainage and downstream identified yet.

<sup>5</sup> landslide at the back of 33\_Sthanapati SS (STTI) with maximum height-16 m existed and poor condition of slope stability. Problem foreseen is the possible landslide and mudslide especially during rainy season. Retaining wall and breast wall has been constructed to enhance the slope stability (Some photographs presented in the Annex 1).

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<ul style="list-style-type: none"> <li>Wastewater will not be allowed to be discharged in the open area;</li> <li>Drainage shall be discharged safely without causing soil erosion and landslide.</li> </ul>	
11.	Impact on air quality	<ul style="list-style-type: none"> <li>Good engineering practices will be adopted along with use of good quality fuel and regular maintenance of equipment and vehicles;</li> <li>Water sprinklers will be used to suppress dust particles in construction area and at dust generating equipment;</li> <li>Material transportation and dust generating construction activities will be scheduled to avoid impacts to communities living nearby the area;</li> <li>Construction material will be covered during transportation or at storage sites;</li> <li>Workers will be provided with face mask and goggles to protect them while working in high dust areas.</li> </ul>	Very low/no impact on air quality.
12.	Impact on Noise Level	<ul style="list-style-type: none"> <li>Cushions and good silencers or cover will be provided to suppress noise from equipment and vehicles;</li> <li>Equipment and vehicles will be regularly maintained;</li> <li>Construction equipment will be kept at considerable distance from settlements;</li> <li>Workers will be provided with ear-muffler and earplugs while working in high noise area;</li> <li>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>Seepage and spillage of chemicals, oil and lubricants will be avoided by storing them on impervious surface with proper drainage;</li> <li>Water conserving technologies will be used during construction;</li> <li>Washing of project vehicles in water bodies will be restricted;</li> <li>Construction materials shall be stockpiled on impervious surface with surrounding drainage away from natural drainage to avoid them reaching in water bodies;</li> <li>Sanitation facilities (pit toilets, or toilets with soak pits and septic tanks will be provided in labor 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>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>Workers engaged in stone breaking activities will be provided with protective goggles and clothing;</li> <li>The use of any toxic chemical will be strictly in accordance with the manufacturer's instructions;</li> <li>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.



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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
15.	Closure of construction camp	<ul style="list-style-type: none"> <li>⌞ Contractor will prepare site restoration plans for approval by the Engineer. The plan will be implemented by the contractor prior to demobilization;</li> <li>⌞ 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 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;</li> <li>⌞ 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.</li> </ul>	Construction ongoing. Contractor will rehabilitate all the campsite after the completion of construction work.
16.	Pressure on Existing Public Roads	<ul style="list-style-type: none"> <li>⌞ Install various appropriate traffic sign boards at public places wherever necessary;</li> <li>⌞ Avoid office hour to transport construction materials through heavy trucks/vehicles;</li> <li>⌞ Entry of heavy vehicles shall be restricted as far as possible during the peak office/school hours.</li> </ul>	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	<ul style="list-style-type: none"> <li>⌞ Waste generated from the school will be segregated and kept in different containers;</li> <li>⌞ Provide separate solid waste containers, for organic, inorganic reusable/recyclable and hazardous solid wastes.</li> </ul>	Solid waste generated from the camps disposed safely.
18.	Issue of E-Waste, Heavy Metals, Hazardous Waste management	<ul style="list-style-type: none"> <li>⌞ Properly store and manage grease, paints and other construction materials;</li> <li>⌞ Install separate container for hazardous waste inside the school compound;</li> <li>⌞ Convert it to non-hazardous waste after treatment and then only send it to the disposal site designated by local authority;</li> <li>⌞ Give health, sanitation &amp; hygiene training to students and workers;</li> <li>⌞ Promotion of recycling and reusing of recyclable and reusable material.</li> </ul>	No significant issue of hazardous waste is identified due to construction.
19.	Drainage Management and Impact on Water Quality	<ul style="list-style-type: none"> <li>⌞ The rainwater could be managed for recharging groundwater;</li> <li>⌞ Excess water will be drained out through the drainage system;</li> <li>⌞ Keep school premises clean and periodically spray insecticide for controlling vector disease.</li> </ul>	No impact upon natural drainages due to construction.
20.	Impact on Air Quality and Noise Level due to Vehicular Movement	<ul style="list-style-type: none"> <li>⌞ Use silencers to minimize sound of vehicles/machineries;</li> <li>⌞ Pre-informing the neighbors in case of event producing disturbing sound;</li> <li>⌞ Cover all the open space with vegetation;</li> <li>⌞ Do not allow vehicles (older than 20 years) to operate;</li> <li>⌞ Restrict use of horn near school area.</li> </ul>	The movement of construction of vehicle have less impact on air and noise and hence no significance.
21.	Water Demand/Supply	<p>Project shall fulfill the water demand with provision of</p> <ul style="list-style-type: none"> <li>⌞ Sump well &amp; pump if water has to be lifted from low lying rivers and springs;</li> <li>⌞ Water storage tank;</li> <li>⌞ Supply of water from other available sources;</li> <li>⌞ Practice rainwater harvesting.</li> </ul>	Contractor has supplied water in tankers wherever water is not available. However, in rural area; enough water is available from local springs.

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
22.	Disaster Management (Fire, Earthquake)	<ul style="list-style-type: none"> <li>⌞ Design shall include factor for ensuring seismic resistant school building following the National Building Code (NBC);</li> <li>⌞ Ensure provision of emergency exist;</li> <li>⌞ Install fire alarm system, firefighting system and adopt other necessary measures on fire safety;</li> <li>⌞ Train student leaders and volunteers on tackling safety measures during emergency;</li> <li>⌞ Conduct regular safety drills in the school;</li> <li>⌞ Paste posters and telephone numbers of staff to be contacted during emergency;</li> <li>⌞ Keep first aid box ready in the school.</li> </ul>	All these measures are included in design and will be implemented accordingly.
23.	Solar Power	<ul style="list-style-type: none"> <li>⌞ Employees/students/teachers will be encouraged to use water and electricity in an efficient way;</li> <li>⌞ Use led bulbs instead of CFL;</li> <li>⌞ Establish a mechanism for disposal of old batteries and acidic water.</li> </ul>	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	<ul style="list-style-type: none"> <li>⌞ Plant trees at the periphery and garden of the school in order to increase green cover in the area;</li> <li>⌞ Restrict the workers in killing or harassing of birds and wildlife;</li> <li>⌞ Securely fence the school area; and</li> <li>⌞ Regularly mow the grass.</li> </ul>	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	⌞ 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	<ul style="list-style-type: none"> <li>⌞ Any land acquired voluntarily shall follow the established practice as guided by resettlement framework;</li> <li>⌞ 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.</li> </ul>	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	⌞ 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	Labourers are provided with safety gears. First aid boxes are in place. However, contractors are instructed

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		establishing labour camp. Clean drinking water supply, toilets and solid waste management facilities will be made available to the workers in their camps; 7 Contractor will restrict use of firewood for cooking and heating and will supply kerosene or gas in the mess of workers; 7 Contractor will supply food items to the camps giving priority to local products; 7 All workers will be insured; 7 Contractor will prepare and implement a safety plan approved by the Engineer including provision for emergency preparedness and response and fire safety; 7 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; 7 Firefighting facility and first aid box will be kept in camps and work sites with provision of a health assistant standby at call; 7 Arrangement will be made by the contractor with local hospital or health post for services in case of emergency; 7 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.	to improve first aid facilities, OHS status in the construction site.
28.	Socially undesirable activities	7 Restrict movement of workers out of camp after certain hours in the night; 7 Restrict use of alcohol and gambling in the camp; 7 Supply water , daily consumable items, communication facility in the camp so as not to create additional pressure on the local services; 7 Orient workers to show respect to local tradition and culture; 7 Prepare a code of conduct for all project staff, orient them and monitor that these are effectively followed by all; 7 Assign a public relation officer by the project to keep close and regular consultation and coordination with local communities; 7 Regular follow up and monitoring on workers behaviour and take appropriate measure on defaulters.	No socially undesirable activities are identified during the construction.
29.	Properties of Archaeological Importance	7 ADB's chance find procedure shall be applied; 7 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; 7 The Engineer will seek direction from the Archaeological Department before instructing the contractor to recommence work on the site.	No significant issues identified related archaeology during this biannual.
30.	Gender and Child Labour	7 Provide equal wage to male and female for similar nature of work; 7 Restrict use of child below 16 years of age in labor work (as per ILO standard);	Equal wage provided to male and female for similar work.

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Sn.	Environment Impacts	Measures proposed in IEE	Remarks
		<ul style="list-style-type: none"> <li>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>	No other issues related to gender and child labour.
31.	Health and Sanitation	<ul style="list-style-type: none"> <li>Provide sufficient numbers of and separate toilets in camps and work sites for both male and female;</li> <li>Dispose construction debris at designated spoil disposal site;</li> <li>Garbage collection system will be initiated by establishing bins at places in the construction area.</li> </ul>	Health and sanitation condition are maintained however, needs improvement in some of the under-construction school.
32.	Infection of STDs and Other Communicable Diseases	<ul style="list-style-type: none"> <li>Restrict alcohol, gambling and socially undesirable activities by workers living in labor camps, and instruct them not to indulge in such activities if they are living outside of labour camp;</li> <li>Arrange awareness program to the workers and local communities on HIV/AIDS and STDs;</li> <li>Erect posters on safety practices to prevent from STDs;</li> <li>Distribute free condoms to workers as a part of educating them.</li> </ul>	No such issues identified.
33.	Impact on Social Facilities	<ul style="list-style-type: none"> <li>Regularly organize interaction programs between local people and other relevant personnel.</li> <li>Coordinate with local social service providers and concerned government institutions to meet up the local demand of physical as well as social infrastructures.</li> </ul>	No impact on social facilities and other sites.
34.	Traffic Congestion and Management	<ul style="list-style-type: none"> <li>Work in co-ordination with the traffic police in planning and management of the traffic</li> </ul>	Road Traffic is not significant in the construction areas.
35.	Congestion and Overcrowding	<ul style="list-style-type: none"> <li>Manage the incoming and outgoing of vehicle according to the traffic rules</li> </ul>	Road Traffic is not significant in the construction areas..

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

## **5. Approach and methodology for environmental monitoring of the project**

44. 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.

45. 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 DLPIU, who will take follow-up actions, if necessary. DLPIU will submit the quarterly monitoring and implementation reports to the CLPIU. The CLPIU will submit semi-annual monitoring reports to ADB. Project budgets will reflect the costs of monitoring and reporting requirements. Monitoring reports will be posted in a location accessible to the public.

## **6. Monitoring of environmental impacts on project surroundings**

46. Field visit has been carried out during this biannual in order to prepared DDR for schools selected for retrofitting. Issues and likely impacts raised during the time of field visit was raised in the DDR report prepared.

47. Further, no significant issue identified from social and environmental perspective due to construction activities in the under construction schools under Recon1 & 2. However, landslide at the back of 33\_Sthanapati SS (STTI) with maximum height-16 m existed; for which survey has been carried out by technical team and protection wall is to be constructed for the protection of the slide as well as school building. As construction of school building is substantially completed with plaster works and railing installation at slab edge and staircase; site clearance need to be carried out by construction contractor prior to handover of school to school management committee. Construction of retaining walls and toilet blocks are still ongoing in most of the visited schools.

48. No impacts upon air, water quality, and noise has been identified with the construction activity of schools under Recon1 and Recon2. 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**

49. 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 107 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

50. 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 and Recon2. Local government has issues land user right to those schools having no land ownership certificate till date. The construction activities do not have any significant disturbance on the environment and to the local people.

## 9. Summary of key issues and remedial actions

51. 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.
2.	Proper barricade along the construction sites and at the edge of concrete of each story height 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



Fig: 1 Use of hand sanitizer and masks to visitors, Okhaldhunga



Fig: 2 Pamphlet regarding awareness of COVID Safety at JAPAK\_06, Okhaldhunga



Fig: 3 Sanitizer and Washing hand facility at one of the site in Dhading.



Fig: 4 Pamphlet for Covid-19 adopted at one of the school in Dhading



Fig: 5 COVID – 19 Awareness pamphlets on site at Alainche SS, Gorkha



Fig: 6 First Aid room maintained at Kavrasthali SS, Kathmandu.





Fig: 7 Site barricading of Alainche SS under Recon2, Gorkha



Fig: 8 Installation of Barricading at Jana Prabhat SS-Recon2, Kathmandu

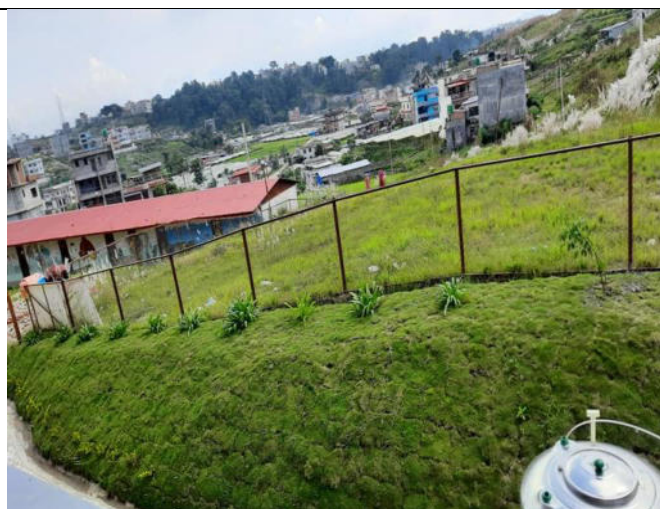


Fig:9 Turfing and plantation work at Kavrasthali SS, Recon1, Kathmandu



Fig:10 Labour Camp of Bal Ujjwal SS-Recon2, Makwanpur



Fig: 11 Rebar works at Kusheshor SS (KUOR), Kavrepalanchowk

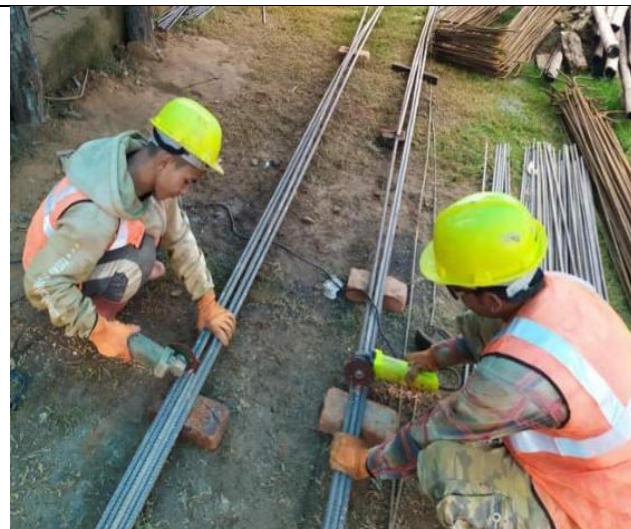


Fig:12 Use of PPEs by workers, Nuwakot





Fig: 13 Sthanapati SS (STTI)- Land slide at the back of the school with maximum height-16m



Fig: 14 Sthanapati SS (STTI)- Land slide within the school premises requiring protection



Fig: 15 Sit barricading at safety net at GYAN-Okhaldhunga



Fig: 16 Pamlet for Covid-19 at Stanapati SS, Ramechhap



Fig: 17 Handwashing facility established at Mahendra SS Recon 2, Sindhupalchowk



Fig: 18 Safety Signboard installation at a construction site in Kavrepalanchowk





Fig: 19 Covid Safety Measures of Hand washing Facility at GYAN



Fig:20 Workers with PPEs one of the school in Nuwakot

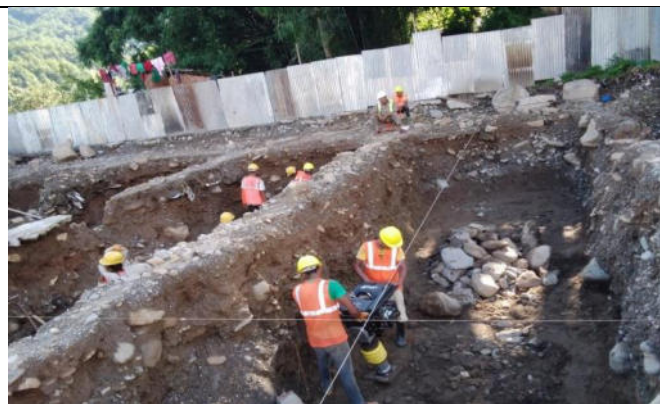


Fig: 21 Use of PPEs by labors of Shree Sansari SS, Gorkha



Fig: 22 Sanitizing hand by workers before entering the site in Alainche SS, Gorkha



Fig:23 Project information board and safety signboard installed at Shree Tripura Sundari SS., Dhading




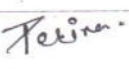
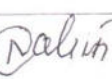
Fig: 24 Emergency phone number and safety signboard in place at Shree Tripura Sundari SS., Dhading

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

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

Name of School: *Shree Tripura SS:-*Location: *Tripura Sundari RM-5, Phading*Date: *20 Dec 22*

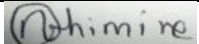
Sn.	Issues	Status		Remarks
		Yes	No	
1.	Building safe from landslide, erosion and no risky area existed close to the school area.		✓	Retaining Wall construction will soon started (Unstable slope behind toilet block)
2.	No impact on forest and agricultural land.	✓		
3.	Drainage and surface runoff around 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.		✓	Instruct to provide slab barrier upto top floor.
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.			
20.	Other issue, if any.			

Sn.	Safeguards Desk Members	Name/Signature/Office Stamp
1.	Safeguards Focal Person, DLPIU - DRSP:	<i>Sandip Adhikari</i> 
2.	Safeguards and GESI Monitors, PSC - DRSP:	<i>Perina Patrak</i> 
3.	Contractor's focal person for safeguards:	<i>Nabin Gahlotray</i> 







**Monthly Checklist for Safeguards Desk-DRSP (Construction Phase)****Name of School:** 53 SIWK GASH RECON1)**Location:** Yamunadada, Sindhupalchok**Date:** 11 Nov 2020

Sn.	Issues	Status		Remarks
		Yes	No	
1.	Building safe from landslide, erosion and no risky area existed close to the school area.		✓	Retaining wall is being constructed
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.	✓		
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 worker
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.			Grievances are not came in record
19.	Compensation paid for temporary acquired land.			No temporary land acquired
20.	Other issue, if any.			

Sn.	Safeguards Members	Name/Signature/Office Stamp
1	Chief, DLPIU:	
2	Safeguards Focal Person, DLPIU :	
3	Safeguards and GESI Monitors, DSC - DRSP:	

### Annex 3: Meeting Minutes and instruction provided to contractor maintaining safety (Filled Sample)

**UMAR MUNSHI ASSOCIATES**  
CONSULTANTS & ENGINEERS





Project name:	L3702 & G0601/0602 _ DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT		
Local:	CLPIU		
Place:	Shree Tripura SS, Tripurasundari-5, Dhading		
Presences:	DSC RE, DSC SE, DSC ESM, Contractor SE		
Date/Time:	2020 Oct 14 / 4:00 pm		

MEETING TOPICS			
NO	SUBJECT	RESPONSIBLE	TARGET DATE
1.	Physical slab barrier need to be implemented on first floor slab	contractor	Oct 28, 2020
2.	Boundary barricade needs to be maintained & closed behind toilet block	"	?
3.	Site clearance <sup>cleanliness</sup> to be done at regular basis	"	regularly
4.	Staircase barrier should be implemented.	"	as soon as possible
5.	Monitor use PPE to workers on daily basis.		regularly
6.	Install hand wash facility at site.		'
7.	Demolish staircase brick wall of first floor	Contractor	2020-10-14
8.	Repair retaining wall top portion	Contractor	2020-10-20 After Disha

**Attendees:**

Narain Rasula,	DSC RE,	<i>[Signature]</i>
Perina Pathak	DSC ESM,	<i>[Signature]</i>
Anup Karki	DSC SE,	<i>[Signature]</i>
Raj Kumar Shah	S.M.E.	<i>[Signature]</i>
Ergans Sunuwar	Contractor SE	<i>[Signature]</i>

Meeting minutes at Shree Tripura Sundari SS, Dhading

**Project name:** L3702 & G0601/0602 - DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT  
**Local:** CLPIU  
**Place:** Shree Deurali SS, Sasaha, Dhading.  
**Presences:** DSC RE, DSC ESM, DSC SE, Contractor SE, Project Manager (contractor)  
**Date/Time:** 2020 Nov 23 / 2:00 pm

**MEETING TOPICS**





NO	SUBJECT	RESPONSIBLE	TARGET DATE
1.	Brickwork in ground floor and concreting of column in top floor is ongoing. Rebar work for top floor slab is ongoing.		
2.	Repair Honeycomb in slab and column asap.	Contractor	2020-Nov-23
3.	Demolish brickwall which are not in plumb and line immediately. Maintain mortar thickness.	Contractor	"
4.	Proper soaking of brick and selecting brick of proper size to be done.	Contractor	"
5.	Slab batties to be provided & implement and close safety issue till date.	"	2020-Nov-28
6.	Install hand wash facility & sanitizer at site	"	2020-Nov-23
7.	Install First Aid Box at site.	"	2020-Nov-25
8.	Cleanliness & maintenance of site office <sup>setup</sup>	"	2020-Nov-29

**Attendees:**

Naresh Kasula, DSC RE  
 Nabin Ghatraj, Contractor RE,  
 Chandra Limbu DSC, SE  
 Pooja Pathak DSC ESM

Meeting minute at Shree Deurali SS, Dhading



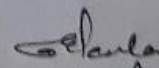

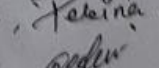

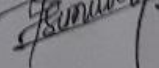





Project name: L3702 & G0601/0602 - DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT  
 Local: CLPIU  
 Place: Shree Tripura Sundari SS, Tripurasundari RM, Dhading  
 Presences: REDSC, DSCSE, DSCESM, & Contractor SE, & Contractor  
 Date/Time: 2020 Dec 22/14:59 Project Engineers





**MEETING TOPICS**

NO	SUBJECT	RESPONSIBLE	TARGET DATE
1.	Preparation work (reinforcement and formwork) for concreting of top floor slab of academic block is ongoing. Brickwork in first floor is completed, second floor is ongoing. Plumbing work is finished in toilet block and academic block.		
2.	Provide vertical rebar for post in parapet wall in slab before concreting.	2020- Contractor	2020- Dec-23
3.	Provide duct size 200x850mm. Provide conceal beam and diagonal bars around duct.	"	"
4.	Provide enough cover blocks, chairs and also missing negative bars in slab. Also repair spacing of distribution bars.	"	"
5.	Provide <sup>safe</sup> physical safety barrier upto top floor before concreting.	Contractor	2020 Dec 22
6.	Repair & maintenance of fencing boundary.	"	2020 Dec 23
7.	Install hand wash facility, sanitizer & pamphlets (information on COVID-19) at site.	"	2020 Dec 24
8.	Provide PPE sets as per provision BOQ.		

**Attendees:**

1. Narcon Kasula, DSC RE, 
2. Anup Karki, DSC, SE, 
3. Perina Pathak, DSC, ESM, 
4. Nabin Gaharaj Contractor 
5. Erogans Sanuwar PE SE 

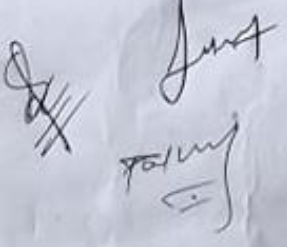


Meeting minutes at Tripura Sundari SS, Dhading

**Project name:** L3702 & G0601/0602 \_ DRSP - DISASTER RESILIENCE OF SCHOOLS PROJECT  
**Local:** ~~Gorkha~~ Shree Siddhartha SS  
**Place:** Saurpuri  
**Presences:** DSC-RE, ESM, SE, Contractor - APM, SE, Representative  
**Date/Time:** 2020/11/10 Supervisor, School Principal

**MEETING TOPICS**









NO	SUBJECT	RESPONSIBLE	TARGET DATE
1)	Install the safety sign board and Information board, COVID-19 sign board	Contractor	After tihar festival
2)	Housekeeping should be maintained and site cleaning should be done	Contractor	Regular basis
3)	Hand washing facility for labors should be maintained	Contractor	13 NOV 2020
4)	Use of PPE was found and continue it at regular basis	Contractor	Regular basis
5)	Keep the thermal gun to measure the regular temperature of labor	Contractor	10 NOV 2020
6)	Site barricading should be done	Contractor	After tihar festival
7)	Add more amount of bandage on the first aid box	Contractor	Time directly
8)	labor camp should be maintained properly	Contractor	After tihar
9)	Use of LPG gas was found for cooking which is good practice		

Meeting minutes at Shree Siddhartha SS, Gorkha




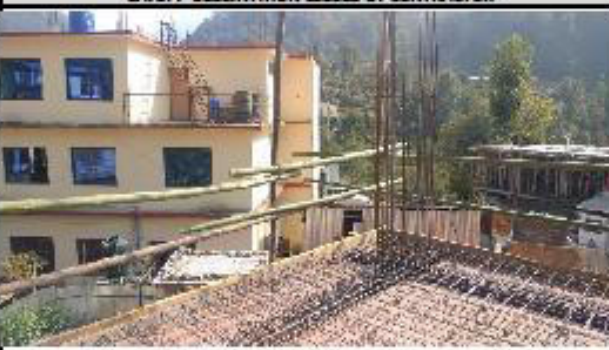


### Annex 4: Safety Observation Checklist (Sample only) & filled checklist to assess COVID-19





	REPORT NAME:	CONSTRUCTION			  
	REPORT NO:	008_20201028_BA_KADU_JAAR_SafetyReport_closed			
JOB NAME: DRSP - DISASTER RESILIENCE SCHOOLS PROJECT				REPORT DATE	
PLACE OF WORK: Jana Uddhar SS, Churikhel, Budanikanta, Kathmandu				2020.10.28	
ADMINISTRATION: C.L.P. (Education)				WEATHER	
CONSULTANT: UN4, BRMC				SUNNY	
CONTRACTOR: Sharma Swachhanda Khari J.B.				TEMPERATURE	
				MAX	MIN
				23	16
				WIN (KPH)	
				6	
SAFETY OBSERVATION			SAFETY OBSERVATION CLOSED BY CONTRACTOR		
23					
	ISSUES: 304 Construction Site floor		ISSUES:		
	DESCRIPTION: No preparation of PPH		DESCRIPTION: use of concrete PPH		
24					
	ISSUES: 304 Construction Site floor		ISSUES:		
	DESCRIPTION: No preparation of PPH		DESCRIPTION:		

Safety observation checklist of Jana Uddhar SS, Kathmandu

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

	REPORT NAME:	CONSTRUCTION		 UNAR PUNSH ASSOCIATES CONSULTING ENGINEERS & ARCHITECTS P.O. Box 111, Kathmandu, Nepal TEL: 977-1-4441111, 4441112 FAX: 977-1-4441113, 4441114 P.E. License No. 123456789			
	REPORT NO:	015_20201119_R2_95_NUOT_RUNI_SafetyReport closed					
JOB NAME :		DRSP - DISASTER RESILIENCE SCHOOLS PROJECT		REPORT DATE	19/11/2020		
PLACE OF WORK :		Shree Rukmani SS, Nuwakot		WEATHER			Sunny
ADMINISTRATION :		C L P I U (Education)		TEMPERATURE			WIN (KPH)
CONSULTANT :		UMA ERMIC		MAX	MIN		
CONTRACTOR :		K.C. SAMANANTAR J/V		26	12		
SAFETY OBSERVATION							SAFETY OBSERVATION CLOSED BY CONTRACTOR
015							
AREA	Block 'A' 3-4C(10)-C			AREA			
DESCRIPTION	No safety barrier at the edge of first floor, no proper use of PPE and the platform using for slab beam work is not safe.			DESCRIPTION			safety barrier provided

Safety observation checklist of Shree Rukmani SS, Nuwakot

	REPORT NAME:	CONSTRUCTION		 UNAR PUNSH ASSOCIATES CONSULTING ENGINEERS & ARCHITECTS P.O. Box 111, Kathmandu, Nepal TEL: 977-1-4441111, 4441112 FAX: 977-1-4441113, 4441114 P.E. License No. 123456789			
	REPORT NO:	038_20201008_R2_96_DHNG_DEUJ_SafetyReport					
JOB NAME :		DRSP - DISASTER RESILIENCE SCHOOLS PROJECT		REPORT DATE	8/10/2020		
PLACE OF WORK :		Shree Deurali SS, (DEUJ)		WEATHER			Sunny
ADMINISTRATION :		C L P I U (Education)		TEMPERATURE			
CONSULTANT :		UMA ERMIC		MAX	MIN		
CONTRACTOR :		K.C. Samanantar JV		26	12		
SAFETY OBSERVATION							SAFETY OBSERVATION CLOSED BY CONTRACTOR
006							
AREA	soak pit			AREA			soak pit
DESCRIPTION	No barricade around soak pit			DESCRIPTION			barricade around soak pit

Safety observation checklist of Shree Deurali SS, Dhading



## Filled checklist (sample only) in assessing COVID-19 measure established by contractor in construction sites

Annex 5: Monitoring checklist for facilities provided by contractors to minimize risk from COVID-19 in DRSP project

Bhadreshwor SS_Dolakha (BI-weekly Report)						
SN	Item	Requirements	Yes	No	NA	Remark
I	ORGANISATIONAL	COVID Rapid Response team formed		✓		
II		Fulltime H&SO mobilised (Yes/No)		✓		
III		Fulltime Health Worker mobilised (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		✓		
VII		Waste management coordinated with local municipalities	✓			
VIII		Workers COVID-19 insured		✓		
IX		List of COVID-19 Hospitals for testing	✓		PSC(Chankot), Jiri district hospital/Kirne hospital	
X		Office space arranged with 1-2m distance between staff		✓		
1	CLEANING AND DISINFECTING		Office	Worksite	Labour camp	Remarks
I		Disinfectants stocked and available in	NA	NA	NA	
II		Cleaning and Disinfecting teams formed for	NA	NA	NA	
III		Waste bins in place (number)	✓	✓	✓	
IV		Handwash and Sanitization stations in				Handwash facilities in available in most of the sites and instruction has been given to place the sanitizations station at each sites respectively.
V		Disinfecting and cleaning twice daily for:	NA	NA	NA	
VI		(i) Kitchen	NA	NA	NA	
VII		(ii) Toilets	NA	NA	NA	
VIII		(iii) Changing rooms	NA	NA	NA	
IX		(iv) Plant and machineries/tools	NA	NA	NA	
X		(v) PPE's disinfected daily	NA	NA	NA	
2	CONSTRUCTION SITE		Yes	No	NA	Remarks
a.i	Entry	Guard present 24 hrs		✓		
II		Thermal temperature checks for all entering site		✓		
III		Hands sanitised before entering site		✓		
IV		Specific Delivery Zone marked		✓		
b.i	Delivery Zone	Unloading team for construction material formed		✓		
II		Unloaded materials left untouched for minimum 24 hrs		✓		
III		Contactless delivery maintained		✓		
c.i	Travel to work	Travel to and from camp site arranged through official vehicle	✓			
II		Mask work by all in vehicle	✓			
III		40% vehicle capacity maintained	✓			
IV		Windows open for ventilation	✓			
d.i	Tool Box Talk	Disinfecting and cleaning of vehicle after every trip				
II		Conducted with 1m distance while conducting toolbox talks	✓			
III		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	✓			Instructed during every site visit
IV						
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		✓		Instructed to provide separate water bottles to workers
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		✓		Instructed to fence and guard at all times
II		2m distance maintained between beds maintained		✓		Instructed to maintain 2 m distance
III		Ventilation provided		✓		
IV		Camp well drained		✓		
V		Handwash and sanitization stations provided		✓		Soap and water provided while instruction was given to provide sanitization stations at each sites
VI		Intermittent/new workers accommodated separately	✓			
g.i	Kitchen/ Toilet	Seating arrangement 1 m between each	✓			
II		Disinfected before and after each use		✓		
III		Meal times staggered to avoid crowd	✓			
IV		Sufficient soap and water provided for washing	✓			Instructed to disinfect before and after each use
3	AWARENESS & TRAINING		Office	Worksite	Labour camp	Remarks
I		Posters and awareness materials present (areas posted)				Instructed to place the posters and awareness materials at each sites soon
II		Trainings/ orientation conducted (number)				
4	EMERGENCY PROTOCOL					
I		All staff/worker knows how to trigger the emergency protocol	NA	NA	NA	
II		Quarantine and Isolation facility are ready with disinfection arrangement	NA	NA	NA	
III		Contact no. of hospital available and posted at visible places	NA	NA	NA	
IV		Ambulance or emergency vehicle with driver wearing full PPE is at standby	NA	NA	NA	
V		Work drills carried out (Yes/No)	NA	NA	NA	
VI		No any COVID +ve case ?? (Yes/No)				No any positive Cases Till now
VII		If yes, describe the emergency action taken-				
5	Checklist based monitoring is carried out (Yes/No)		Office	Worksite	Labour camp	Remarks
I	NO	Checklist based monitoring is carried out (Yes/No)	Yes	Yes	Yes	Picture

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

II	MONITORING A REPORTING	Zero tolerance for casual attitude of workers maintained (Yes/No- explain what action was taken)	Yes	Yes	Yes	No complain till now.	
III		Virtual monitoring is also used (Yes/No)	No	No	No		
IV		Bi-weekly submission of checklist to employer (Yes/No)	Yes	Yes	Yes	Checklist is filled at every site visit to the respective sites	

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

## Annex 5: Monitoring checklist for facilities provided by contractors to minimize risk from COVID-19 in DRSP project

Shree Sansari SS\_ Gorkha (Bi-weekly Report) September 2020

SN	Items	Requirements	Yes	No	NA	Remark	Supporting document
1							
i	ORGANIZATIONAL	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			Office	Work site	Labour camp	Remarks	Picture/Doc
i	CLEANING AND DISINFECTING	Disinfectants stocked and available in	NA	NA	NA		
ii		Cleaning and Disinfecting teams formed for	NA	NA	NA		
iii		Waste bins in place (number)	NA	NA	NA		
iv		Handwash and Sanitization stations in					Presence of hand washing facility
v		Disinfecting and cleaning twice daily for:	NA	NA	NA		
vi		(i) Kitchen	NA	NA	NA		
vii		(ii) Toilets	NA	NA	NA		
viii		(iii) Changing rooms	NA	NA	NA		
ix		(iv) Plant and machineries/tools	NA	NA	NA		
x		(v) PPE's disinfected daily	NA	NA	NA		
3		CONSTRUCTION SITE	Yes	No	NA	Remarks	Picture
a i	Entry	Guard present 24 hrs			NA		
ii		Thermal temperature checks for all entering site		✓		Contractor are instructed to place at site	
iii		Hands sanitised before entering site		✓		Contractor are instructed to place at site	
b i	Delivery Zone	Specific Delivery Zone marked			NA		
ii		Unloading team for construction material formed			NA		
iii		Unloaded materials left untouched for minimum 24 hrs			NA		
iv		Contactless delivery maintained			NA		
c i	Travel to work	Travel to and from camp site arranged through official vehicle			NA		
ii		Mask work by all in vehicle			NA		
iii		40% vehicle capacity maintained			NA		
iv		Windows open for ventilation			NA		
v		Disinfecting and cleaning of vehicle after every trip			NA		
d i	Tool Box talk	Conducted with 1m distance while conducting toolbox talks			NA		
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			NA		
					NA		
e i	Worksite	Temperature checked before beginning work daily					
ii		1m distance maintained between workers			NA		
iii		Workers divided into groups			NA		
iv		Intermittent workers/new workers allotted separate work area from existing workers			NA		
v		Hand washing facilities present (list areas present and numbers present)	✓				
vi		Separate bottle provided to each workers for drinking purpose		✓		Instructed to provide separate water bottles to workers	
vii		Daily log book maintained at site to track the movement of workers and staffs	✓	✓			


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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	NA	NA	NA		Recently only few workers are used and all of them are local so no any labor camp
ii		2m distance maintained between beds maintained	NA	NA	NA		Recently only few workers are
iii		Ventilation provided	NA	NA	NA		Recently only few workers are used and all of them are local so no any labor camp
iv		Camp well drained	NA	NA	NA		used and all of them are local
v		Handwash and sanitization stations provided	NA	NA	NA		Recently only few workers are used and all of them are local so no any labor camp
vi		Intermittent/new owrkers accommodated separately	NA	NA	NA		Recently only few workers are used and all of them are local so no any labor camp
g i	Kitchen/ Toilet	Seating arrangement 1 m between each	✓			Instructed to disinfect before and aaafter each use	
ii		Disinfected before and after each use		✓			
iii		Meal times staggered to avoid crowd	✓				
iv		Sufficient soap and water provided for washing	✓				
4	AWARENESS & TRAINING		Offic e	Work site	Labour camp	Remark	Picture
i		Posters and awarness materials present (areas posted)		v		Training will be conducted soon	
ii		Trainings/ orientation conducted (number)			NA		
5	EMERGENCY PROTOCOL						
i		All staff/worker knows how to trigger the emergency protocol	NA	NA	NA		
ii		Quarantine and Isolation facility are ready with disinfection arrangement	NA	NA	NA		
iii		Contact no. of hospital available and pasted at visible places	NA	NA	NA		
iv		Ambulance or emergency vehicle with driver wearing full PPE is at standby	NA	NA	NA		
v		Mock drills carried out (Yes/No)	NA	NA	NA		
vi		No any COVID +ve case ?? (Yes/No)					No any COVID - case till now
vii		If yes, describe the emergency action taken-	NA	NA	NA		
6	MONITORING AND REPORTING		Offic e	Work site	Labour camp	Remarks	Picture
i		Checklist based monitoring is carried out (Yes/No)	Yes	Yes	Yes	No complain till now.	
ii		Zero tolerance for casual attitude of workers maintained (Yes/No- explain what action was taken)	Yes	Yes	Yes		
iii		Virtual monitoring is also used (Yes/No)	No	No	No		
iv		Bi-weekly submission of checklist to employer (Yes/No)	Yes	Yes	Yes	Checklist is filled at every site visit to the respective sites.	

## Covid-19 checklist filled for a school in Sindhupalchowk

**Monitoring checklist for facilities provided by contractors to minimize risk from  
COVID-19 in DRSP project**

**(Bi-weekly Report) of Bhadrakali SS, Sindhupalchowk**


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	Picture/Doc
i		Disinfectants stocked and available in	NA	NA	NA		
ii		Cleaning and Disinfecting teams formed for	NA	NA	NA		
iii		Waste bins in place (number)	NA	NA	NA		
iv		Handwash and Sanitization stations in					
v		Disinfecting and cleaning twice daily for:					
vi		(i)Kitchen	✓	✓	✓		
vii		(ii)Toilets	✓	✓	✓		
viii		(iii)Changing rooms	NA	NA	NA		
ix		(iv)Plant and machineries/tools	NA	NA	NA		
x		(v)PPE's disinfected daily	NA	NA	NA		
3	CONSTRUCTION SITE		Yes	No	NA	Remarks	Picture
a i	Ent ry	Guard present 24 hrs			NA		

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ii		Thermal temperature checks for all entering site			NA		
iii		Hands sanitised before entering site					
b i	Delivery Zone	Specific Delivery Zone marked			NA		
ii		Unloading team for construction material formed			NA		
iii		Unloaded materials left untouched for minimum 24 hrs			NA		
iv		Contactless delivery maintained			NA		
c i	Travel to work	Travel to and from camp site arranged through official vehicle			NA		
ii		Mask worn by all in vehicle			NA		
iii		40% vehicle capacity maintained			NA		
iv		Windows open for ventilation			NA		
v		Disinfecting and cleaning of vehicle after every trip			NA		
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			NA		
e i	Worksite	Temperature checked before beginning work daily		✓			
ii		1m distance maintained between workers	?		NA		
iii		Workers divided into groups			NA		
iv		Intermittent workers/new workers allotted separate work area from existing workers			NA		
v		Hand washing facilities present (list areas present and numbers present )	✓				
vi		Separate bottle provided to each workers for drinking purpose	?	✓		Instructed to provide separate water bottles to workers	
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			NA		
ii		2m distance maintained between beds maintained			NA		



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iii		Ventilation provided	✓				
iv		Camp well drained	✓				
v		Handwash and sanitization stations provided	✓				
vi		Intermittent/new workers accommodated separately	✓				
g i	Kitchen/ Toilet	Seating arrangement 1 m between each	✓	☒		Instructed to disinfect before and after each use	
ii							
iii		Disinfected before and after each use		✓			
iv		Meal times staggered to avoid crowd 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	NA	NA	NA		
ii		Quarantine and Isolation facility are ready with disinfection arrangement	NA	NA	NA		
iii		Contact no. of hospital available and pasted at visible places	Yes	Yes	Yes		
iv		Ambulance or emergency vehicle with driver wearing full PPE is at standby	NA	NA	NA		
v		Mock drills carried out (Yes/No)	NA	NA	NA		
vi		No any COVID +ve case ?? (Yes/No)					No any COVID 19 case till now
vii		If yes, describe the emergency action taken-	NA	NA	NA		
6	MONITORING AND REPORTING		Office	Worksite	Labour camp	Remarks	Picture
i		Checklist based monitoring is carried out (Yes/No)	Yes	Yes	Yes	Checklist is filled at every site visit to the respective sites.	
ii		Zero tolerance for casual attitude of workers maintained (Yes/No- explain what action was taken)	Yes	Yes	Yes		
iii		Virtual monitoring is also used (Yes/No)	No	No	No		
iv		Bi-weekly submission of checklist to employer (Yes/No)	Yes	Yes	Yes		

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## Covid checklist filled for a school in Sindhupalchowk

Annex 5: Monitoring checklist for facilities provided by contractors to minimize risk from COVID-19 in DRSP project

(BI-weekly Report)

SN	Items	Requirements	Yes	No	NA	Remark	Supporting document
1	ORGANIZATIONAL	COVID Rapid Response team formed		✓			
i		Fulltime H&SO mobilized (Yes/No)		✓			
ii		Fulltime Health Worker mobilized (Yes/No)		✓			
iii		COVID Marshals (1 for max 25 workers) appointed and trained (Yes/No)		✓			
iv		Guards appointed: (i) Office		✓			
v		(ii) Labour Camp		✓			
vi		(iii) Worksite		✓			
vii		Cleaning and Disinfecting teams established		✓			
viii		(i) Office		✓			
ix		(ii) Labour Camp		✓			
x		(iii) Worksite		✓			
xi		Waste management coordinated with local municipalities	✓				
xii		Workers COVID 19 insured		✓			
xiii		List of COVID-19 Hospitals for testing	✓		PSC(Chankot), Jiri district hospital, Xirne hospital		
xiv		Office space arranged with 1-2m distance between staff		✓			
2	CLEANING AND DISINFECTING		Office	Worksite	Labour camp	Remarks	Picture/Doc
i		Disinfectants stocked and available in	NA	NA	NA		
ii		Cleaning and Disinfecting teams formed for	NA	NA	NA		
iii		Waste bins in place (number)	✓	✓	✓		
iv		Handwash and Sanitization stations in				Handwash facilities in available in most of the sites and instruction has been given to place the sanitizations station at each sites respectively.	
v		Disinfecting and cleaning twice daily for:	NA	NA	NA		
vi		(i) Kitchen	NA	NA	NA		
vii		(ii) Toilets	NA	NA	NA		
viii		(iii) Changing rooms	NA	NA	NA		
ix		(iv) Plant and machineries/tools	NA	NA	NA		
x		(v) PPE's disinfected daily	NA	NA	NA		
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	Travel to work	Contactless delivery maintained		✓			
i		Travel to and from camp site arranged through official vehicle	✓				
ii		Mask work by all in vehicle	✓				
iii	Tool box talk	40% vehicle capacity maintained	✓				
iv		Windows open for ventilation	✓				
v		Disinfecting and cleaning of vehicle after every trip					
vi	Worksite	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	✓			Instructed during every site visit	
iii							
iv	Camp	Temperature checked before beginning work daily		✓			
v		1m distance maintained between workers		✓			
vi		Workers divided into groups		✓			
vii	Kitchen/ Toilet	Intermittent workers/new workers allotted separate work area from existing workers		✓			
viii		Hand washing facilities present (list areas present and numbers present)	✓				
ix		Separate bottle provided to each workers for drinking purpose		✓		Instructed to provide separate water bottles to workers	
x	Labour camp	Daily log book maintained at site to track the movement of workers and staffs	✓	✓			
xi		Restrict workers movement outside the construction site	✓				
xii		PPE's provided and worn by all workers on site	✓				
xiii	Emergency Protocol	Labour camp fenced and guarded at all times		✓		Instructed to fence and guard at all times	
xiv		2m distance maintained between beds maintained		✓		Instructed to maintain 2 m distance	
xv		Ventilation provided		✓			
xvi	Awareness & Training	Camp well drained		✓		Soap and water provided while instruction was given to provide sanitation stations at each sites	
xvii		Handwash and sanitization stations provided		✓			
xviii		Intermittent/new workers accommodated separately	✓				
xix	Seating arrangement	Seating arrangement 1m between each	✓				
xx		Disinfected before and after each use		✓		Instructed to disinfect before and after each use	
xxi		Meal times staggered to avoid crowd	✓				
xxii	Checklist based monitoring	Sufficient soap and water provided for washing	✓				
xxiii			Office	Worksite	Labour camp	Remark	Picture
xxiv		Posters and awareness materials present (areas posted)				Instructed to place the posters and awareness materials at each sites soon	
xxv	Emergency Protocol	Trainings/ orientation conducted (number)					
xxvi							
xxvii							
xxviii	Emergency Protocol	All staff/worker knows how to trigger the emergency protocol	NA	NA	NA		
xxix		Quarantine and Isolation facility are ready with disinfection arrangement	NA	NA	NA		
xxx		Contact no. of hospital available and posted at visible places	NA	NA	NA		
xxxi	Emergency Protocol	Ambulance or emergency vehicle with driver wearing full PPE is at standby	NA	NA	NA		
xxxii		Mock drills carried out (Yes/No)	NA	NA	NA		
xxxiii		No any COVID +ve case ?? (Yes/No)				No any positive Cases Till now	
xxxiv	Emergency Protocol	If yes, describe the emergency action taken-					
xxxv			Office	Worksite	Labour camp	Remarks	Picture
xxxvi			Yes	Yes	Yes		

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f. i	Camp	Labour camp fenced and guarded at all times			NA		
ii		2m distance maintained between beds maintained			NA		
iii		Ventilation provided	✓				
iv		Camp well drained	✓				
v		Handwash and sanitization stations provided	✓				
vi		Intermittent/new owrkers accommodated separately	✓				
g. i	Kitchen/ Toilet	Seating arrangement 1 m between each	✓			Instructed to disinfect before and aafter each use	
ii		Disinfected before and after each use		✓			
iii		Meal times staggered to avoid crowd	✓				
iv		Sufficient soap and water provided for washing	✓				
4	AWARENESS & TRAINING		Offic e	Work site	Labour camp	Remark	Picture
i							
ii		Posters and awarness materials present (areas posted)	v	v	v		
		Trainings/ orientation conducted (number)	v				
5	EMERGENCY PROTOCOL						
i		All staff/worker knows how to trigger the emergency protocol	NA	NA	NA		
ii		Quarantine and isolation facility are ready with disinfection arrangement	NA	NA	NA		
iii		Contact no. of hospital available and pasted at visible places	Yes	Yes	Yes		
iv		Ambulance or emergency vehide with driver wearing full PPE is at standby	NA	NA	NA		
v		Mock drills carried out (Yes/No)	NA	NA	NA		
vi		No any COVID +ve case ?? (Yes/No)					No any COVID 19 case till now
vii	If yes, describe the emergency action taken-	NA	NA	NA			
6	MONITORING AND REPORTING		Offic e	Work site	Labour camp	Remarks	Picture
i		Checklist based monitoring is carried out (Yes/No)	Yes	Yes	Yes	Checklist is filled at every site visit to the respective sites.	
ii		Zero tolerance for casual attitude of workers maintained (Yes/No- explain what action was taken)	Yes	Yes	Yes		
iii		Virtual monitoring is also used (Yes/No)	No	No	No		
iv	Bi-weekly submission of checklist to employer (Yes/No)	Yes	Yes	Yes			



### 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)

Sn .	Name of School/Code	EMP Cost included in BOQ	Safety and PPE to workers provision in BOQ	Total Score of Pre-construction stage	Contractor's environmental assurance officer appointed + Office Maintenance	Information Board, Safety Boards established	Construction site Safety (Barricade/Fencing) provided	Slope stability around school	Storm water drainage managed	Construction waste disposal 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, disorders)	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)
	<b>Recon1</b>																																
	<b>Score</b>	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
	<b>Okhaldhunga</b>																																
1	Sunkoshi S.S, Balakhu	4	2	6	2	2	1	2	1	2	3	3	2	4	3	1	3	3	2	3	5	3	2	2	2	1	4	56				0	62
2	Rajyalaxmi S.S, Ubu			0																								0				0	Dropped
3	Gramodaya Yu.S i. S.S, Sinkichaur	4	2	6	2	2	2	3	1	2	3	3	2	4	3	1	3	3	3	3	5	3	2	2	2	1	4	59				0	65
4	Katunje S.S, Katunje	4	2	6	2	3	1	1	1	2	3	3	2	4	3	0	3	3	3	3	5	3	2	2	2	1	4	56				0	62
5	Fulmati S.S, Khijiphalate	4	2	6	2	3	1	2	1	2	3	3	2	4	3	1	3	3	3	3	5	3	2	2	2	1	4	58				0	64
6	Jalpa S.S, Kalimati	4	2	6	2	2	1	3	1	2	3	3	2	4	3	1	3	3	3	3	5	3	2	2	2	2	4	59				0	65
7	Himganga S.S, Rwadou	4	2	6	2	2	1	1	1	2	3	3	2	4	3	1	3	3	3	3	5	3	2	2	2	1	4	56				0	62
8	Jalpa S.S, Tarkerabari	4	2	6	2	2	1	3	1	2	3	3	2	4	3	1	3	3	3	3	5	3	2	2	2	1	4	58				0	64
	<b>Sindhuli</b>																																
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)	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)	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)	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	Kyanswor SS (KYOR)	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



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Sn	Name of School/Code	EMP Cost included in BOQ	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 Boards established	Construction site Safety (Barricade/Fencing) provided	Slope stability around school	Storm water drainage managed	Construction waste disposal 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 alcohols, fights, disrespects)	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)
18	Sri Mahendrajhyadi SS (SRDI)	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	Shree SS, Sikral (SHEES)	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)	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
	<b>Ramechhap</b>																																
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
24	Shree secondary school, Sikral	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	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	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	TamakoshiJana gariti 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	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	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	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				0	62
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				0	72
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				0	70
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				0	72
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				0	66

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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				0	64
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				0	66
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				0	63
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				0	66
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				0	65
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				0	65
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				0	70
	<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				0	81
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				0	79
48	Shree KagesworiMavi	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
49	Shree BuddhodayaMavi	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				0	77
50	Shree MahendraPriyaA vi (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				0	80
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				0	78
52	Shree JankalyanMaVi	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				0	84
53	Shree Ganesh Mavi	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
	<b>Kavrepalanchowk</b>																																
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

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57	Shree KuleshworMa.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	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	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
	<b>Bhaktapur</b>																																
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				0	78
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				0	78
	<b>Kathmandu</b>																																
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				0	79
67	Shree-Kuleshwor Secondary School	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
	<b>Recon2</b>																																
	<b>Ramechhap</b>																																
29	Buddha SS(BAHA)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
30	Bhringeshwori SS, Bijulikot(BHOT)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
31	Bhringeshwori SS, Kotgaun(BHRI)	4	2	6	1	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71				0	77
32	Buddha Bhawani SS(BUHA)	4	2	6	1.5	3	4.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	5	2	2	3.5	2.5	4	75				0	81
33	Buddha Jana Priya SS(BUNA)	4	2	6	1	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71				0	77
34	Jal Devi SS(DEVI)	4	2	6	1	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71				0	77
35	Janata SS(JATA)	4	2	6	1	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71				0	77



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36	Jyoti SS Galba(JYTI)	4	2	6	1	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71				0	77
37	Kalika Devi SS(KAKA)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
38	Kantheswor SS(KAOR)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
39	Maharudra SS(MARA)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
40	Manthali SS(MALI)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
41	Saraswati SS(SATI)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
42	Shatalingeshwor SS(SHOR)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
43	Shivalingeshwor SS(SHSS)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
44	Shree SS Rakathum(RAUM)	4	2	6	1.5	3	3.5	3	3	3	6	3	2	4	3	2	3	3	3	2.5	5	4	2	2	3.5	2.5	4	71.5				0	77.5
45	Surke Deurali SS(SUKE)	4	2	6	1.5	3	4.5	3	3	3	6	3	2	4	3	2	3	3	3	4	5	5	2	2	3.5	2.5	4	75				0	81
	<b>Dolakha</b>																																
46	Balodaya SS(BAYA)	4	2	6	0	0	3	1	3	2	3	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	55				0	61
47	Chitre SS(CHRE)	4	2	6	0	0	3	1	3	2	3	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	55				0	61
48	Devi SS(DEVI)	4	2	6	0	0	3	1	3	2	3	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	55				0	61
49	Jana Jyoti SS, Gairimudi(JATI)	4	2	6	0	0	1	2	3	2	1	1	1	4	3	2	3	3	3	1	5	4	2	2	1	3	4	51				0	57
50	Jana Jyoti SS, Leptung(JANA)	4	2	6	0	0	1	1	3	2	2	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	52				0	58
51	Kalika SS, Hanwa(KAWA)	4	2	6	0	0	5	3	3	2	4	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	60				0	66
52	Lapilang SS(LANG)	4	2	6	0	0	1	3	3	2	1	1	1	4	3	2	3	3	3	1	5	4	2	2	1	3	4	52				0	58
53	Pashupati Kanya Mandir SS(PATI)	4	2	6	0	0	1	1	3	2	2	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	52				0	58
54	Sarada SS(SADA)	4	2	6	0	0	4	2	3	2	1	1	1	4	3	2	3	3	3	1	5	4	2	2	1	3	4	54				0	60
55	Satyeshwor SS(SAOR)	4	2	6	0	0	4	3	3	2	2	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	57				0	63
56	Thampu SS(THPU)	4	2	6	0	0	4	1	3	2	2	1	1	4	3	2	3	3	3	1	5	4	2	2	2	3	4	55				0	61
	<b>Kavrepalanchok</b>																																
57	Bhaleshwar SS(BHAR)	4	2	6	1	1	3	NA	2	3	6	3	3	4	2	1	3	3	3	2	5	3	2	2	3	2	4	61				0	67
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	2	3	4	2	2	4	6	4	3	4	3	2	3	3	3	4	5	5	2	2	4	2	4	76				0	82

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60	Himalaya SS(HIYA)	4	2	6	1	1	0	2	1	2	6	3	3	4	2	2	3	3	3	0	5	2	2	2	2	2	4	55				0	61
61	Laxmi Narayan SS(LAMI)	4	2	6	2	1	3	3	2	3	5	4	3	4	2	2	3	3	3	3	5	5	2	2	4	2	4	70				0	76
62	Saraswati SS(SATI)	4	2	6	2	3	4	3	2	3	5	4	3	4	2	2	3	3	3	4	5	5	2	2	4	2	4	74				0	80
63	Sarbamangala SS(SALA)	4	2	6	2	3	5	3	2	3	5	4	3	4	2	2	3	3	3	4	5	4	2	2	4	2	4	74				0	80
64	Seti Devi SS(SETI)	4	2	6	2	1	3	NA	1	2	6	4	3	4	2	1	3	3	3	3	5	3	2	2	3	2	4	62				0	68
65	Srikhandapur SS(SRUP)	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				0	6
	<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
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	3	5	4	3	4	2	2	3	3	3	4	5	4	1	2	3	2	4	69				0	75
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>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 Uddhar 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 Bahira SS(KEYA)	4	2	6	construction work started	-	-	-			-									-	-			-				0				0	6
86	Nabin Gram Siksha 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 Mitra 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

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

Sn .	Name of School/Code	EMP Cost included in BOQ	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 Boards established	Construction site Safety (Barricade/ Fenching) provided	Slope stability around school	Storm water drainage managed	Construction waste disposal 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/ Buisness)	No Social Issues due to labour s (Eg. Use alcohols, fights, disrespects)	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)	
	Nuwakot																																	
90	Shree Gaurikharka SS (GAKA)	4	2	6	1	3	4	2	2	4	6	4	3	4	3	2	3	3	3	4	5	4	2	2	4	3	4	75					0	81
91	Shree Krishna SS(KRNA)	4	2	6	1.5	3	4	2	2	4	6	4	3	4	3	2	3	3	3	4	5	4	2	2	3.5	2.5	4	74.5					0	80.5
92	Shree Mangala Devi SS(MALA)	4	2	6	1.5	3	4	2	2	4	6	4	3	4	3	2	3	3	3	4	5	4	2	2	3.5	3	4	75					0	81
93	Shree Gyan Jyoti SS (GYTI)	4	2	6	1.5	3	4	2	2	4.5	6	4	3	4	3	2	3	3	3	4	5	4	2	2	3.5	2.5	4	75					0	81
94	Shree Chandi SS (CHDI)	4	2	6	1.5	3	4	2	2	4.5	6	4	3	4	3	2	3	3	3	4	5	4	2	2	3.5	2.5	4	75					0	81
95	Shree Rukmani SS (RUNI)	4	2	6	1.5	3	4	3	2	4	6	4	3	4	3	2	3	3	3	4	5	4	2	2	3	2.5	4	75					0	81
	Dhading																																	
96	Shree Deurali SS (DELI)	4	2	6	1.5	4	4	4	0	3.5	5	3	2	4	3	2	3	3	3	4	5	4	2	2	4	2	4	72					0	78
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	4	2	0	4	2	4	67.5					0	73.5
98	Shree Tripura Sundari SS (TRRI)	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
99	Shree Prakash SS(PRSH)	4	2	6	1.5	4	4	4	0	4	7	3	2	4	3	2	3	3	3	4	5	4	2	2	3.5	3	4	75					0	81
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	2	6	0	3	5	3	1.5	4	6	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	74.5					0	80.5
102	Shree Sansari Mahendra SS (SARI)	4	2	6	0	3	5	3	1.5	4	6	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	74.5					0	80.5
103	Shree Siddhartha SS(SIHA)	4	2	6	0	3	5	3	1.5	4	6	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	74.5					0	80.5
104	Shree Suryodaya SS(SUYA)	4	2	6	0	3	5	3	1.5	4	6	4	3	4	3	2	3	3	3	4	5	5	2	2	3	2	4	74.5					0	80.5
	Makwanpur																																	
105	Shree Pashupati SS (PATI)	4	2	6	1	2	5	3	3	4	7	3	2	4	3	2	3	3	3	4	5	4	2	2	3	2	3	73	3	2	2	7	86	
106	Shree Bal Ujjwal SS (BAAL)	4	2	6	1	2	3	2	3	3	6	3	2	4	2	2	3	3	3	4	5	3	2	2	4	2	4	68					0	74
107	Shree Vyas SS(VYAS)	4	2	6	1	2	3	2	2	4	7	4	3	4	3	2	3	3	3	4	5	4	2	2	4	2	4	73					0	79