

# **Environmental and Social Management Plan (ESMP)**

## **Nepal Urban Governance and Infrastructure Project (NUGIP)**

Upgradation of Gothgaun Chiuramil Purwanchal Biswabidhyalaya  
Gothgaw Sadak (4.737Km)

Sundarharaicha Municipality  
Biratchowk, Morang District, Koshi Province  
Nepal

March 2024

## EXECUTIVE SUMMARY

### Introduction

The upgrading of 4.737Km length alignment starts at Chandranagar Chiuramil at East-West highway and terminates at other point (Gothgaun) of same highway. The road alignment passes through settlement of ward no 8 and 7. Its starting point coordinates are Easting 535485.732m, Northing 2949266.006 and elevation 81.70m end point coordinates are Easting 534579.759m, Northing 2948955.74 and elevation 77.20m. The purposed project alignment passes through commercial area at the junction of East-West highway and mostly through mixed land use and rural settlements. It also connects Purbanchal University (PU) head office and PU's medical college to other municipal peripheral area. All the section of the proposed subproject is located in plain area and passes through settlements and agricultural lands. The road section requires pavement reconstruction to maintain acceptable levels of service. The project alignment does not run through ecologically sensitive area such as protected area, conservation area, wetland, national parks etc.

### Baseline Information

The subproject is located in plain area of Terai at the altitude of 140 masl with an average climatic normal maximum temperature of 29.4°C and minimum temperature 18.1°C as well as the annual rainfall of 1863.9mm. Road alignment does not cross any major river however Gachiya River flows at the western part of the Municipal area. Most of the area of present land use of Sundarharaicha Municipality includes forest 20%, cultivated land 69% and built-up/construction area 11%. In the proposed road alignment and Right of Way (RoW), there is no landslide/flood area and other disaster-prone area. The average existing road width is 13m. This route passes through 1.87 km of settlement and 2.86 km of agricultural land on either side of the road alignment. The air and noise quality of surrounding areas is affected by the local city vehicles as well as Highway vehicles. The Noise and air quality of project area were tested and found within government Standards. During the construction of the road, vehicular circulation along the road is likely to be disturbed. Trees like Sal (*Shorea robusta*), Sissoo (*Dalbergia Sissoo*), Khayer (*Acacia catechu*), Simal (*Bombax ceiba*), Karam (*Neolamarckia cadamba*), Pipal (*Ficus religiosa*), Bakaino(*Melia azadirach*) and Mango (*Magnifera indica*) are found in the project area.

The total population of Sundarharaicha Municipality is 120,213 and total household is 29,826. The average household size of the municipality is 4.03 which is lower than that of district household size (4.22). The male and female population of the municipality is 57018 and 63195 respectively and sex ratio is 90.23. The total population and household of project affected wards - ward 7 and 8, is 18989 and 4691 respectively. The average household size of the project wards is 4.04. Total male population of the project wards is 9046 and total female population of the project wards is 9937. The sex ratio of the project wards 90.72. The project area is inhabited by Brahmin, Chhetri, Newar, Gurung, Magar, Majhi, Rai, Dalits and other caste group like the Jogi. In terms of religion, Hindus, Muslims, Christians, Buddhist reside in these communities. There is presence of mixed groups of castes and ethnicities in the project area. The indigenous peoples in project area are Newar, Gurung, Magar, Majhi, Rai, Limbu, Tamang, Bhujel and Rajbansi. The total households along the road alignment are 424 with total population of 1713 having 816 male population and 837 female population. The majority of the people of this area are involved in agriculturally based work, business, labor work, and foreign employment. Water supply pipelines of Salakpur water supply and sanitation user committee provides drinking water supply in this area but no integrated wastewater disposal system in the municipality. Shifting of 88 electric poles has been proposed.

## **Legal and Regulatory Requirements**

The sectoral and cross-sectoral guidelines and standards promulgated by the Government of Nepal (GoN) in various periods are adequate to mainstream the environmental and social safeguard dimensions in the project preparation and implementation phases. The report has included the applicable GoN plan, policies, act, regulations, guidelines, and standards. Similarly, the report has also included the environmental and social Safeguard requirements of the World Bank.

## **Screening, Scoping, Impact identification, Prediction and Management**

The Direct Impact area of the project is considered as the 15m (Ch 0+000 to 2+020) and 30m (Ch 2+020 to 4+737) RoW of the subproject for the entire length of the road. Similarly, the indirect impact falls within 50 meters from the edge of the RoW. Environmental and social checklists were used for screening and summarizing the overall impacts. The site-specific impacts in construction and operation phases are included in the ESMP report. Some of the impacts include:

### **Beneficial Impacts from the Project Implementation**

This sub project will create job opportunities for local residents by prioritizing employment for the poor, ethnic minorities, and disadvantaged locals. Other beneficial impacts includes enhancement of local business, improved accessibility and skill development of people. Local people actively participating in construction gain valuable skills and experience. These skills contribute to their personal growth and employability. Road infrastructure plays a crucial role in enhancing accessibility to markets and social services. Improved transportation facilities lead to a better quality of life for residents in the area. The availability of efficient transportation systems can positively impact education, healthcare, tourism, and other socio-economic sectors. Furthermore, an expanded road network may contribute to increased land values, benefiting the local community.

### **Adverse Impacts from the Project Implementation**

The sudden increase in construction worker can strain public infrastructure and utilities such as roads, water supply, sanitation of project area. Dust, noise, and emissions from construction machinery may likely to contribute to environmental pollution. The disposal of soil, earth material and stockpiling of construction materials might result in erosion during construction and operation phase. Vehicular movement, flowing water on the side drain of the road might cause erosion of soil on adjacent agricultural land. The operation of this road may result in expansion of settlement area and market which may increase encroachment of RoW. Similarly, the increase in dust, smoke and smoke of vehicles can increase air and noise pollution to some extent.

### **Mitigation Measures**

Mitigation measures for this sub project construction are essential to minimize the environmental and social impact and ensure the safety and efficiency of the construction process. The report proposes various measures to enhance benefits and mitigate adverse impacts, aiming to make this project environmentally friendly. Local people will be given priority for employment opportunities. Necessary measures will be taken to reduce the adverse effects on environment. The workers will be insured and provided with first aid facilities and safety equipments like PPE. For plantation on edge of the road, local species of plant will be given priority. Appropriate bio/civil engineering structures will be adopted to protect the environment and to stabilize the slopes along the road as were applicable. Proper drainage system will be provided to prevent

accumulation of water on the nearby agricultural lands during operation. Adequate road safety measures like information and warning signs will be established to minimize road accident.

### **Sexual exploitation/Assault/Harassment Prevention and response Action Plan**

Based on the SEA/SH Risk Assessment checklist and assessment carried out for NUGIP by the World Bank, the Project's SEA/SH risks are assessed to be "Low". An SEA/SH Risk Mitigation Action Plan has been developed for NUGIP based on this assessment and includes specific measures that aim to prevent and mitigate GBV, in particular SEA/SH risks that the project activities might trigger. The Plan has also addressed "Table – 1: Recommended actions to address SEA/SH Risks in IPF Projects" as per the "Good Practice Note" published by the World Bank in September 2018.

There are few issues related to the GBV, SEA/SH were identified from field survey and records of nearby Police Office. Necessary mitigation programs have been planned and will implement during construction of sub project. The most prioritized issues on violence for planning of mitigation program are Domestic violence (physical and mental abuse) and Sexual violence/ Rape.

### **Environment and Social Management Plan**

The Environmental and Social Management Plan (ESMP) has been proposed with this report including issues identified, possible effects and impacts, measures for their mitigation, monitoring methods. The mitigation cost for environmental and social impacts in construction and operation phases are included in report. In addition, agencies responsible for executing environmental and social mitigation measures and monitoring have been identified in the ESMP. Different monitoring indicators on the physical, biological, socio-economic and cultural environment have also been identified. The project along with the stakeholders will monitor during reconstruction and operation phase. Project-related grievances will be addressed through grievance redress mechanism (GRM) established for the project for the uptake and timely response on stakeholders' query and concerns about sub project. Also, for mitigation of GBV, SEA/SH present with in the project area, the necessary orientation, workshops and trainings has been proposed in this ESMP report.

### **Institutional arrangements**

The Ministry of Urban Development (MoUD) has set up a Project Coordination Office (PCO) under the Department of Urban Development and Building Construction (DuDBC) to implement NUGIP. The PCO is responsible for overall project compliance including compliance with environmental and social measures. The PCO will be supported by a Project Management Support Team (PMST). A Project Implementation Unit (PIU) will be established in Sundarharaicha Municipality for implementation of the subproject at the local level and will be responsible for implementation of the ESMP and other environmental and social instruments. Technical Assistance will be provided through a Design and Supervision Consultancy (DSC) which includes safeguards specialists.



## कार्यकारी सारांश

### परिचयः

सुन्दरहरैचा नगरपालिकाको ४.७३७ कि.मी. लम्बाइको गोठगाउँ चिउरामिल पूर्वाञ्चल विश्वविद्यालय गोठगाउँ सडकको स्तरोन्नती कार्य पूर्व पश्चिम राजमार्गको चन्द्रनगर-चिउरामिल (चेनेज ०+००० मि. र पूर्वान्तर ५३५४८५.७३२ मी. उत्तरान्तर २९४९२६६.०६६ मी., उचाई ८२.७० मि.) वाट सुरु भएर पूर्वाञ्चल विश्वविद्यालय हुँदै गोठगाउँ (चेनेज ४+७३७ मि. र पूर्वान्तर ५३४५७९.७५९ मि. उत्तरान्तर २९४८९५५.७४ मि., उचाई ७७.२० मि.) मा समाप्त हुन्छ । यो सडक सुन्दरहरैचा नगरपालिकाको बडा न. ७ र ८ हुँदै जान्छ । पूर्व—पश्चिम राजमार्गको सङ्गमस्थलमा रहेको व्यापारिक क्षेत्र हुँदै र मिश्रित भू-उपयोग, ग्रामीण बस्ती हुँदै आयोजना जान्छ । यसले पूर्वाञ्चल विश्वविद्यालयको प्रधान कार्यालय र मेडिकल कलेजलाई अन्य नगरपालिका परिधीय क्षेत्रसँग पनि जोडेको छ। प्रस्तावित उपआयोजनाको सबै खण्ड समतल क्षेत्रमा अवस्थित छ र बस्ती र कृषि भूमि हुँदै जान्छ। यस आयोजनाको बाटोको वरिपरिका बस्तीका स्थानीयहरूको जिवनस्तर र जीविकोपार्जनमा सुधार ल्याउनेछ । यस उपआयोजनाले नगरपालिकाको शहरी विकास योजना, पुर्वाधार बिकास र संस्थागत विकासमा नगरपालिकाको क्षमतामा सहयोग पुर्याउने अपेक्षा गरिएको छ ।

### विद्यमान अवस्था :

यो उपआयोजना तराईको समथर भू-भागमा समुद्री सतहबाट १४०मि. उचाईमा अवस्थित छ। आयोजना क्षेत्रको नगरपालिकाको औसत अधिकतम तापक्रम २९.४ डिग्री सेल्सियस र न्यूनतम तापक्रम १८.१ डिग्री सेल्सियस का साथै वार्षिक वर्षा १८६३.९ मिलिमिटर रहेको छ । सडक एलाइनमेन्टले कुनै पनि प्रमुख नदी पार गर्दैन तर गचिया नदी नगरपालिका क्षेत्रको पश्चिमी भागमा बग्छ। सुन्दरहरैचा नगरपालिकाको हालको भूउपयोगको अधिकांश क्षेत्रफल वन २० प्रतिशत, खेतीयोग्य जमिन ६९ प्रतिशत र निर्माण क्षेत्र ११ प्रतिशत रहेको छ । प्रस्तावित सडक एलाइनमेन्ट र सडकको क्षेत्राधिकारमा पहिरो/बाढी तथा अन्य विपद् जोखिम युक्त क्षेत्र छैन । हाल सडकको औसत चौडाइ १३ मिटर छ । यो रुट सडकको दुवैतर्फ १.८७ किलोमिटर बस्ती र २.८६ किलोमिटर खेतीयोग्य जमिन भएर जान्छ ।

आयोजना क्षेत्रको हावामा स्थानिय सवारी साधनवाट असर पर्ने र उक्त सवारीसाधन वाट ध्वनिमा असर पर्ने भएपनि ध्वनि गुणस्तर सीमा भित्रनै पाइएको छ । परियोजना क्षेत्रको आवाज र हावा सरकारी मापदण्ड भित्र रहेको छ । सडक निर्माणको क्रममा सो सडकमा सवारी साधनको आवागमनमा बाधा पुग्ने सम्भावना रहन्छ । साल, सिसौ, खयर, सिमल, करम, पिपल, बकाइनो र आँप परियोजना क्षेत्रमा पाइने प्रमुख रूख प्रजातिहरू हुन्।

सुन्दरहरैचा नगरपालिकाको कुल जनसङ्ख्या १२०,२१३ रहेको छ भने कुल घरधुरी २९,८२६ रहेको छ। नगरपालिकाको औसत घरधुरी को आकार ४.०३ छ जुन जिल्लाको परिवारको आकार (४.२२) भन्दा कम छ। यस नगरपालिकाको पुरुष र महिलाको जनसङ्ख्या क्रमशः ५७०१८ र ६३१९५ रहेको छ भने लिंग अनुपात ९०.२३ रहेको छ । आयोजना प्रभावित वडा नम्बर ७ र ८ को कुल जनसंख्या र घरधुरी क्रमशः १८ हजार ९ सय ८९ र ४ हजार ६ सय ९१ रहेको छ । परियोजना वार्डहरूको औसत घरको आकार ४.०४ छ। आयोजनाको वडाको कुल पुरुष जनसंख्या ९०४६ र महिला वडाको कुल जनसंख्या ९९३७ रहेको छ । परियोजना सञ्चालन हुने बडाहरूको लिंग अनुपात ९०.७२ रहेको छ ।

आयोजना क्षेत्रमा ब्राह्मण, क्षेत्री, नेवार, गुरुङ, मगर, माझी, राई, दलित र जोगी लगायत जातजातिको बसोबास छ । धर्मको हिसाबले हिन्दू, मुस्लिम, इसाई, बौद्ध धर्मावलम्बीको बसोबास छ । परियोजना क्षेत्रमा जातजातिको मिश्रित समूहको उपस्थिति रहेको छ । आयोजना क्षेत्रमा नेवार, गुरुङ, मगर, माझी, राई, लिम्बू, तामाङ, भुजेल र राजवंशी आदिवासी जनजाति छन्। यस सडकखण्डमा ४२४ घरधुरी रहेका छन् भने कुल जनसङ्ख्या १७१३ मध्ये ८१६ पुरुष र ८३७ महिला रहेका छन्। यस क्षेत्रका अधिकांश मानिसहरू मुख्यतया जीविकोपार्जनका लागि कृषिमा आधारित काम, व्यापार, श्रमिक र वैदेशिक रोजगारीमा संलग्न छन्। सलकपुर खानेपानी तथा सरसफाइ उपभोक्ता समितिको पाइप लाइनबाट यस क्षेत्रमा खानेपानी आपूर्ति भए पनि एकीकृत फोहर मैला व्यवस्थापन प्रणाली छैन । सडक निर्माण हुने क्षेत्र भित्र रहेको ८८ वटा विद्युतको पोल सार्नु पर्ने देखिन्छ ।

यौन शोषण तथा दुर्व्यवहार, लैङ्गिक हिंसा सम्बन्धित केही विषयहरू फिल्ड सर्भे र नजिकैको प्रहरी कार्यालयको रेकर्डबाट पहिचान गरिएको छ। घरेलु हिंसा (शारीरिक, मानसिक) र बलात्कार/यौन हिंसा आयोजना प्रभावित क्षेत्रमा बिध्यमान रहेको छ।

## ऐन तथा नीति, नियमको आवश्यकता

नेपाल सरकारले विभिन्न समयमा जारी गरेका विषयगत तथा बहुविषयगत निर्देशिका तथा मापदण्डहरू आयोजना तयार गर्न तथा कार्यान्वयन चरणहरूमा वातावरणीय एवम् सामाजिक सुरक्षण आयामहरू मूल प्रवाहीकरण गर्न यथेष्ट छन् । यस प्रतिवेदनले सम्बन्धित नेपाल सरकारका योजना, नीति, ऐन, नियम, निर्देशिका एवम् मापदण्डहरू समेटेको छ । त्यसैगरी यस प्रतिवेदनले विश्व बैङ्कको वातावरणीय तथा सामाजिक मापदण्डहरू पनि समेटेको छ।

## वर्गीकरण, क्षेत्र निर्धारण, प्रभाव पहिचान, अनुगमन र व्यवस्थापन

परियोजनाको प्रत्यक्ष प्रभाव क्षेत्र सडकको सम्पूर्ण ४.७३७ किलोमिटर लम्बाइको लागि उप आयोजनाको सडकको क्षेत्राधिकार १५ मिटर (चेनेज ०+००० बाट २+०२०) र ३० मिटर (चेनेज २+०२० बाट ४+७३७) रहेको छ। त्यस्तै, अप्रत्यक्ष प्रभाव सडकको क्षेत्राधिकार किनाराबाट ५० मिटरभित्र पर्छ। प्रभावहरूको वर्गीकरण तथा संक्षेपीकरण गर्न वातावरणीय तथा सामाजिक चेकलिष्ट प्रयोग गरिएको छ । स्थान विशेषको प्रभावहरू वातावरणीय तथा सामाजिक प्रभाव मूल्याङ्कन मा समावेश गरिएका छन् । केही प्रभावहरू निम्नानुसार छन्।

## उप आयोजना कार्यान्वयनबाट पर्ने सकारात्मक प्रभाव

यस उप आयोजनाले गरिब, जातीय अल्पसङ्ख्यक र विपन्न स्थानीयका लागि रोजगारीलाई प्राथमिकता दिई स्थानीय बासिन्दाका लागि रोजगारीको अवसर सिर्जना तथा आर्थिक सशक्तीकरणमा योगदान गर्नेछ । अन्य लाभकारी प्रभावहरूमा स्थानीय व्यवसायको वृद्धि, सुधारिएको पहुँच र मानिसहरूको सीप विकास समावेश छ। निर्माणमा सक्रिय रूपमा भाग लिने स्थानीय व्यक्तिहरूले बहुमूल्य सीप र अनुभव प्राप्त गर्नेछन्। यी सीपहरूले उनीहरूको व्यक्तिगत विकास र रोजगारमा योगदान पुर्याउँछ।

सडक पूर्वाधारले बजार र सामाजिक सेवाहरूमा पहुँच बढाउन महत्त्वपूर्ण भूमिका खेल्छ। सुधारिएको यातायात सुविधाले यस क्षेत्रका बासिन्दाहरूको लागि जीवनको राम्रो गुणस्तरको नेतृत्व गर्दछ। कुशल यातायात प्रणालीको उपलब्धताले शिक्षा, स्वास्थ्य सेवा, पर्यटन र अन्य सामाजिक-आर्थिक क्षेत्रमा सकारात्मक प्रभाव पार्न सक्छ। यसबाहेक, विस्तारित सडक सञ्जालले स्थानीय समुदायलाई फाइदा पुऱ्याउँदै जमिनको मूल्य वृद्धि गर्न योगदान पुऱ्याउँछ।

### उप आयोजना कार्यान्वयनबाट पर्नसक्ने नकरात्मक प्रभावहरू

निर्माण कर्मीहरूको अचानक वृद्धिले सार्वजनिक पूर्वाधार जस्तै सडक, खानेपानी आपूर्ति, परियोजना क्षेत्रको सरसफाइमा असर पार्न सक्छ। धुलो, ध्वनि र निर्माण मेसिनरीबाट निस्कने उत्सर्जनले वातावरणीय प्रदूषणमा योगदान पुऱ्याउन सक्छ । सडक निर्माणले गर्दा निस्कने माटो र निर्माण सामग्री को भण्डारणले गर्दा सडक निर्माण र सञ्चालनको समयमा कटान हुन सक्छ। सवारी आवागमन, सडकको छेउछाउको नालीमा बगेको पानीले छेउछाउको खेतीयोग्य जमिनमा माटो कटान हुन सक्छ । यो सडक सञ्चालनमा आएपछि बस्ती क्षेत्र र बजार को विस्तार हुन सक्छ जसले सडकको क्षेत्राधिकारको अतिक्रमण बढाउन सक्छ। त्यस्तै सवारी साधनको धुलो, धुवाँ र धुवाँको वृद्धिले वायु र ध्वनि प्रदूषणलाई केही हदसम्म बढाउन सक्छ ।

### प्रभाव न्यूनीकरणका उपायहरू

वातावरणीय र सामाजिक प्रभावलाई कम गर्न र निर्माण प्रक्रियाको सुरक्षा र दक्षता सुनिश्चित गर्न यस उप आयोजना निर्माणको लागि न्युनिकरण उपायहरू आवश्यक छन्। प्रतिवेदनले यस परियोजनालाई वातावरणमैत्री बनाउने उद्देश्यले लाभ बढाउन र प्रतिकूल प्रभावहरू कम गर्न विभिन्न उपायहरू प्रस्ताव गरेको छ। रोजगारीका अवसरका लागि स्थानीय जनतालाई प्राथमिकता दिइनेछ । वातावरणमा पर्ने प्रतिकूल प्रभावलाई न्यूनीकरण गर्न आवश्यक कदम चालिनेछ। कामदारको बीमा गरी प्राथमिक उपचार सुविधा र पीपीईजस्ता सुरक्षा सामग्री उपलब्ध गराइनेछ । सडकको किनारामा बृक्षारोपणको लागि स्थानीय जातका बिरुवालाई प्राथमिकता दिइनेछ । वातावरण संरक्षण गर्न र सडकको छेउछाउका ढलानहरूलाई यथास्थितिमा स्थिर गर्न उपयुक्त बायो/सिभिल इन्जिनियरिङ संरचनाहरू अपनाइनेछ। सञ्चालनका क्रममा नजिकैको खेतीयोग्य जमिनमा पानी जम्न नदिन ढल निकासको उचित व्यवस्था मिलाइनेछ । सडक दुर्घटना न्यूनीकरणका लागि पर्याप्त सडक सुरक्षाका उपायहरू जस्तै सूचना र चेतावनी संकेतहरू स्थापना गरिनेछ।

### यौन शोषण तथा दुर्वसन एवम् दुर्व्यवहार रोकथाम तथा सम्बोधन कार्य योजना ;

विश्व बैङ्कले नेपाल शहरी शासकीय तथा पूर्वाधार उपआयोजनाको लागि गरिएको यौनिक शोषण, दुर्वसन एवम् यौन दुर्व्यवहार जोखिम मूल्याङ्कनमा आधारमा यस आयोजनाको SEA/SH जोखिमको "न्यून" मूल्याङ्कन गरेको छ । यस मूल्याङ्कनमा आधारित भई आयोजनाको लागि SEA/SH निरोध तथा सम्बोधन कार्ययोजना आयोजनाको लागि SEA/SH रोकथाम तथा सम्बोधन कार्ययोजना बनाइएको छ । यसमा उपआयोजनाको कार्यक्रमले सिर्जना गर्न सक्ने SEA/SH जोखिमहरू निषेध एवम् रोकथाम तथा न्यूनीकरण गर्ने उद्देश्यका निश्चित व्यवस्थाहरू समावेश गरिएका छन् । यस योजनाले तालिका-१; विश्व बैङ्कले सेप्टेम्बर २०१८ मा प्रकाशित "असल अभ्यास नोट" अनुसार IPF परियोजनाहरूमा SEA/SH जोखिमहरूलाई सम्बोधन गर्न सुझाएको कार्यहरू लाई पनि समावेश गरेको छ।

## वातावरण तथा सामाजिक व्यवस्थापन योजना ;

पहिचान गरिएका मुद्दाहरू, सम्भावित प्रभावहरू, तिनीहरूको न्यूनीकरणका उपायहरू, अनुगमन विधिहरू सहित यो वातावरणीय र सामाजिक व्यवस्थापन योजना रिपोर्ट प्रस्तावित गरिएको छ। निर्माण र सञ्चालन चरणहरूमा वातावरणीय र सामाजिक प्रभावहरूको लागि न्यूनीकरण लागत प्रतिवेदनमा समावेश गरिएको छ। यसबाहेक, पर्यावरणीय र सामाजिक न्यूनीकरण उपायहरू कार्यान्वयन गर्न र अनुगमनको लागि जिम्मेवार एजेन्सीहरू यस मा वातावरणीय र सामाजिक व्यवस्थापन योजना पहिचान गरिएको छ।

भौतिक, जैविक, सामाजिक, आर्थिक र सांस्कृतिक वातावरण सम्बन्धी विभिन्न अनुगमन सूचकहरू पनि पहिचान गरिएको छ । आयोजनाले पुनर्निर्माण र सञ्चालनको चरणमा सरोकारवालासँग मिलेर अनुगमन गर्नेछ । सरोकारवालाको जिज्ञासा र चासोको उठान र समयमै जवाफ दिनका लागि गुनासो निवारण संयन्त्र (GRC) मार्फत आयोजनासँग सम्बन्धित गुनासाहरूको सम्बोधन गरिनेछ । उपआयोजना निर्माणका क्रममा GBV, SEA/SH जोखिमहरूलाई आवश्यक न्यूनीकरण गर्न योजना बनाइएको छ । घरेलु हिंसा (शारीरिक, मानसिक र बलात्कार/यौन हिंसा लाई सबैभन्दा बढी प्राथमिकता दिइ आवश्यक सचेतना तथा तालिमहरूको ब्यवस्था गरिएको छ।

## संस्थागत व्यवस्था ;

आयोजना कार्यान्वयन गर्न शहरी विकास मन्त्रालयले शहरी विकास तथा भवन निर्माण विभाग अन्तर्गत एउटा आयोजना समन्वय कार्यालय स्थापना गरेको छ । वातावरणीय तथा सामाजिक विधिको साथै सम्पूर्ण विधिहरू पालना सम्बन्धी जिम्मेवारीको जवाफदेहिता आयोजना समन्वय कार्यालयमा रहने छ । आयोजना समन्वय कार्यालयलाई एउटा आयोजना व्यवस्थापन सहयोग टोलीले सहयोग गर्नेछ । उपआयोजनाहरूको वातावरणीय तथा सामाजिक व्यवस्थापन योजना कार्यान्वयन स्थानीय तहमा गर्न र तथा अन्य वातावरणीय एवम् सामाजिक संयन्त्रहरूको कार्यान्वयनका जिम्मेवार हुने गरी प्रत्येक नगरपालिकामा एक आयोजना कार्यान्वयन इकाइ स्थापना गरिनेछ । सुरक्षण विशेषज्ञ सहितको डिजाइन तथा सुपरिवेक्षक परामर्शदाता मार्फत प्राविधिक साहायता पुऱ्याइनेछ।

## **Acronym**

BoQ	: Bill of Quantity
CBS	: Central Bureau of Statistics
CESMP	: Construction Environment and Social Management Plan
CoC	: Code of Conduct
DPR	: Detailed Project Report
DSC	: Design and Supervision Consultant
DUDBC	: Department of Urban Development & Building Construction
EA	: Environmental Assessment
EHS	: Environment, Health and Safety
EPR	: Environmental Protection Rule
ESMP	: Environmental and Social Management Plan
FGD	: Focus Group Discussion
ILO	: International Labor Organization
NUGIP	: Nepal Urban Governance and Infrastructure Project
OHS	: Occupational Health & Safety
OP/BP	: Operational Policy/Bank Policy
PCO	: Project Coordination Office
PIM	: Project Implementation Manual
PIU	: Project Implementation Unit
PPE	: Personal Protective Equipment
RoW	: Right of Way
SEA/SH	: Sexual Exploitation and Abuse/Sexual Harassment
STD	: Sexually Transmitted Disease
WB	: World Bank
WASH	: Water, Sanitation and Hygiene

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## 1. PROJECT INTRODUCTION

The Department of Urban Development and Building Construction (DUDBC) under Ministry of Urban Development (MoUD) of Government of Nepal has been executing the Nepal Urban Governance and Infrastructure Project (NUGIP) within the strategic framework for urban development envisaged in National Urban Development Strategy since the fiscal year 2077/78 B.S.

The DPR of *Upgradation Works of Gothgaun Chiuramil Purwanchal Biswabidhyalaya Gothgaw Road* of Sundarharaicha Municipality has been prepared as per the contract between the Office of the Municipal Executive of Sundarharaicha Municipality; Nepal Urban Governance and Infrastructure Project (NUGIP) (Client) and JV of GOEC Nepal P. Ltd, Cosmopolitan Consultant & Technical Education Center P. Ltd.(C2TECH), Garima International Design Associates Nepal P. Ltd. (GIDAN), BEAM Consult (P) Ltd and COEMANCO Nepal (P) Ltd which have entered into the agreement, for performing work REF No: NP-DUDBC-216325-CS-QCBS to provide services on Detailed Engineering Design and Construction Supervision (DSC) covering the upgradation and rehabilitation works. The project is expected to contribute towards the municipal capacity for urban development planning, infrastructure development and institutional development of the municipality together with the improvement of livelihood of the local people along the settlement.

The study for Environmental and Social Management Plan (ESMP) of *Upgradation Works of Gothgaun Chiuramil Purwanchal Biswabidhyalaya Gothgaw Sadak Road* in Sundarharaicha Municipality was conducted in July/August 2023. The study and preparation of the this ESMP is guided by the Environmental and Social Management Framework (ESMF) prepared by NUGIP.

Sub Project Title	Upgradation of Gothgaun Chiuramil Purwanchal Biswabidhyalaya Gothgaw Road
Estimated Cost:	NRs. 699,674,995.37 (including VAT, Contingency, Price adjustment and PS) <b>For ESMP cost: 1,350,000.00</b>
Start/Completion Date:	March 2024 - July 2025

## **2. DESCRIPTION OF THE PROJECT SITE**

Sundarharaicha is a municipality in Morang District of Koshi Province in Nepal. It is centered around Biratchowk town which is the gateway to Biratnagar. It borders Itahari Sub- Metropolitan city to the West, Dharan Sub- Metropolitan city to the Northwest and Belbari municipality to the East and is connected by the Mahendra Highway. It is one of the fastest growing cities in the Eastern Nepal and the second largest city of Morang district after Biratnagar. According to recent census (2078BS), Sundarharaicha municipality have 120,213 inhabitants living in 29,826 households. It consists the town centers of Biratchowk and Gothgaun which are parts of the Greater Birat Development Area which incorporates the cities of Biratnagar-Itahari-Gothgau-Biratchowk-Dharan primarily located on the Koshi Highway in Eastern Nepal. It was established on 10 March 2017 by merging the former municipalities Sundar Dulari (Sundarpur VDC and Dulari VDC) and Koshi Haraicha (Indrapur VDC, Mirgulia VDC and Haraicha VDC). Sundarharaicha has total 12 wards, which are spread across 110.16 square kilometers of geographical area. Mahendra Highway (East-West Highway) passes 21 km through Sundar Haraicha Municipality and links the municipality to the national main road link of Nepal.

### **2.1 Location of the project**

The upgrading of 4.737Km length alignment starts at Chandranagar Chiuramil at East-West highway and terminates at other point (Gothgaun) of same highway. The road alignment passes through settlement of ward no 8 and 7. Its starting point coordinates are Easting 535485.732m, Northing 2949266.006 and elevation 81.70m end point coordinates are Easting 534579.759m, Northing 2948955.74 and elevation 77.20m. The project alignment passes through commercial area at the junction of East-West highway and mostly through mixed land use and rural settlements. It also connects Purbanchal University (PU) to other municipal peripheral area.

### **2.2 Land use**

The proposed road alignment passes mostly from the settlement and cultivated land. The RoW has been declared on 2015 AD during preparation of Municipal Transportation Master Plan (MTMP) of former municipalities. The ROW of the alignment is 15 m (Ch 0+000 to 2+020) and 30 m (Ch 2+020 to 4+737). During ROW declaration time, the Proposed Gothgaun Chiuramil Purwanchal Biswabidhyalaya Gothgaw Sadak (4.737Km) lied in former two municipalities namely Koshiharaincha and Sundardulari Municipalities. The first 2.020 Km of this road lies in Koshiharaincha Municipality and remaining section lies in Sundardulari Municipality.

The existing width of the road is used for construction width of the proposed road that is clear in terms of structure and publicly in use. The proposed upgrading works for this road project will be limited within the existing road width. This route has 1.87 km of settlement and 2.86 km of agricultural land on either side of the road alignment. The project does not run through ecologically sensitive area such as protected area, conservation area, wetland, national parks etc. No historical or archaeological sites are located within the project area.

### **2.3 Topography and Hydrology**

The settlement of this municipality lies in the flat terrain of Terai region. The landscape of Sundarharicha is very gentle slope from north to south. This municipality is distinguished by its lower height and flat plain.

The municipality lies at an average elevation of 140 masl with an average climatic normal maximum temperature of 29.4°C and minimum temperature 18.1°C. The city receives an annual precipitation of 1863.9 mm/year. Road alignment does not cross any major river however Gachiya River flows at the western part of the municipal area, which is about 600m far from alignment.

Rainfall data for the section of the road is chosen from rain-gauging stations at Birtangar Airport, Index no. 131901 which is available near the project area for the rainfall analysis. The annual series of maximum daily rainfalls are collected from Department of Hydrology and Meteorology in digital form which is used for analysis of sizes of side drain and cross drain. The latitude, longitude and elevations of the nearest station are shown in **Table 2-1**

**Table 2-1: Hydrology Station near Sundarharaicha Municipality**

Station. Name.	Index no.	Latitude	Longitude	Elevation (m)	MAMDR	Record Length (yrs)
Biratnagar Airport	131901	26.483642	87.256456	75	85.74	30

#### 2.4 Landslide and unstable slopes

There is no any landslide, unstable slopes and flood prone area and other disaster-prone area present within the proposed alignment.

#### 2.5 Climate and Vegetation

In Sundarharaicha, the climate is warm and temperate. When compared with winter, the summers have much more rainfall. The climate is classified as Cwa according to Köppen and Geiger classification. The average temperature in recorded in Biratchowk (Municipal headquarter) is 23.0 °C | 73.4 °F. Average annual precipitation of Birtanagar area (Provincial headquarter) is 1863.9mm.

The project area is not aligned directly through the forest. However, Purbanchal University (PU) forest is present near the project road. This forest is not affected by sub project construction activities. In this section, existing open track is greater than proposed construction width and RoW of this road section is 15m which is clearer in terms of structures. The tree species found in the project area are listed below **Table 2-2**.

**Table 2-2 : Major tree species identified surrounding the project area**

SN	English Name	Scientific Name	Use
1	Sal	Shorea robusta	Timber
2	Sissoo	Dalbergia sissoo	Timber
3	Khayer	Acacia catechu	Fodder, wood
4	Simal	Bombax ceiba	Fodder, wood
5	Karam	Neolamarckia cadamba	Fodder, wood
6	Pipal	Ficus religiosa	Religious purpose
7	Bakaino	Melia azadirach	Fuelwood/fodder
8	Mango	Magnifera indica	Fruit/Fuel wood

## **2.6 Air Quality**

The main construction activities that cause air pollution are earthworks excavation, asphalt plants operations and vehicle movement. These activities generate dust, which directly affect the air quality. In addition, vehicles and machinery emit smoke and fine particles. These substances will increase the local air pollution significantly during the construction stage. Burning of fossil fuels will result air pollution due to emission of sulfur oxides (SO<sub>x</sub>), nitrogen oxide (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>) and particulates.

For maintaining the quality of air in construction site, during construction, water - will be sprayed on the road surface in at Gothgaun, Chandranagar settlements as well as in Purbanchal University (Ch 2+020) area. Also, personal protective equipment (PPE) for the construction workers will be provided. The construction vehicles will be well maintained and will strictly comply with the GoN pollution regulation with compulsion in obtaining green sticker. Similarly, all construction plants should adhere to emission regulation. The vehicles carrying construction materials should ensure that it is well sealed and covered so as to avoid littering. The anticipated cost and specific conditions related to air pollution containment are included in the construction contract

Air quality of the project area was tested by instrument. The real time based 24 hours average PM<sub>10</sub>, PM<sub>2.5</sub> and CO of Gothgaw Chiuramil PU Gothgaw sadak (Chainage 0+900) were 61.4µg/m<sup>3</sup>, 24.3µg/m<sup>3</sup> and 230µg/m<sup>3</sup> respectively at the site. The observed values are within the prescribed limit of NAAQS 2012 for the respective air quality parameters. The air quality test report is presented in **Annex V**.

## **2.7 Water Quality**

The construction debris, paints, oil and grease are likely to create water pollution both surface and subsurface. The dust and silt from the construction sites will also create water pollution of the receiving streams. If workers living in tents/camps do not have access to toilet facilities, open defecation may be practiced, which may contaminate water sources, causing health problems. The anticipated impacts on water pollution such as eutrophication, spreading of waterborne diseases, and effect on downstream aquatic life will be direct in nature, low in magnitude, local in extent and of short-term in duration.

Spoil should be disposed of at designated spoil sites mentioned in CESMP and approved by PIU and DSC and efforts should be made to minimize such waste as far as possible through reuse, reduction, and recycling concepts. Similarly, the contamination of water by the use of cement and bitumen should be avoided and strongly monitored by contractors, PIU and DSC. The Contractor needs to arrange for sufficient water supplies and proper sanitation facilities for its labor force. Separate arrangements are necessary for work camp and labor camps. The anticipated cost and specific conditions related to water pollution containment are included in the construction contract

The water samples were collected from the project affected areas and tested in laboratory. There are no natural water bodies existing along the proposed alignment. Thus, we have tested the water sample of private hand pump and deep boring (Sakalapur) of existing community water supply. The water quality report was found complied with National Drinking Water Quality Standards /GoN. The detail of water quality test report is enclosed in **Annex V**.

## 2.8 Noise level

The daytime and night time observed sound pressure level at the monitoring site (Gothgaw Chiuramil PU Gothgaw sadak, chainage 0+900) were 52.1dB(A) and 48.2dB(A) respectively. The observed daytime and nighttime average sound pressure levels complied the prescribed limits of GoN- Noise level standard 2069 for category urban residential area. The details report of air, water and noise are summarized in **Annex V**.

Noise impacts will be significant in the RoW and vicinity of the proposed subproject upgradation road during construction periods due to increase of vehicular movements and operation of machinery equipment. The major settlement like Gothgaun, Chandranagar as well as Purbanchal University area may be impacted by noise pollution. The heavy construction equipment movement in the site should be maintained in the day time only. Vibrations effects are closely observed and may need to do vibration activities by considering local requirement maintaining prescribed quality. For the safety of construction workers, PPE along with earplugs must be provided while on duty. The anticipated cost and specific conditions related to noise and vibration containment are included in the construction contract

## 2.9 Existing infrastructures/ utilities

The details of existing infrastructures situated within the construction width are presented below.

### Water supply pipelines

As per the field observation and discussion with locals, there is presence of existing water supply pipelines in the proposed alignment. Water supply pipelines of Salakpur water supply and sanitation user committee is present having pipes of diameter 160mm up to 2km which was laid in one side of the road of settlement Gothgaun area. Necessary consultation with this water supply users committee were conducted during field study with presence of ward chair. These water supply pipelines will not be impacted directly from the upgradation of the proposed road. However, during the construction of the proposed road, precautions such as avoiding pipeline will be taken during the construction to ensure continuous flow of water through these pipelines. In case of damage from the construction works, contractor will be responsible for the reinstatement of the water supply pipelines as when required.

### Existing cross drainage and storm water drainage structures

*Table 2-3: Existing cross drainage structures*

SN	Chain age	Coordinates		Existing Structure			Existing condition in detail	Remarks
		X	Y	Type	Size (m)	Functional		
1	0+010	535475	2949278	Pipe Culvert	0.6	Storm drainage	Generally good	Proposed for reconstruction
2	0+810	535604	2950054	Pipe Culvert	0.6	Irrigation	Damaged	
3	1+000	535590	2950234	Pipe Culvert	0.9	Storm drainage	Generally good	
4	1+430	535661	2950653	Pipe Culvert	0.6	Irrigation	Damaged	
5	1+840	535662	2951050	Pipe Culvert	0.6	Storm drainage	Generally good	
6	4+750	534558	2948971	Pipe Culvert	0.9	Storm drainage	Damaged	

**Table 2-4: Existing storm water drain network**

Section		Length (m)	Side (From Central line)		Remarks
From	To		Left	Right	
0+015	0+065	50	Yes		Proposed for reconstruction
0+020	0+150	130		Yes	
0+295	0+305	10		Yes	
0+330	0+970	640	Yes		
0+355	0+490	135		Yes	
0+575	1+735	1160		Yes	
1+155	1+825	670	Yes		
1+820	2+280	460		Yes	
2+300	2+815	515	Yes		
2+825	3+010	185		Yes	
3+020	3+270	250	Yes		
3+195	3+320	125		Yes	
3+360	3+800	440		Yes	
3+450	3+620	170	Yes		
3+630	3+675	45	Yes		
4+420	4+730	310		Yes	

### Existing Electrical and Telecom Lines

There are 88 numbers of electric poles that lie within the proposed road width which are to be relocated to new place during upgradation of road. There are no separate telecom poles/lines in the area but telecom lines are associated with electric poles. Details of electric poles which needs to be relocated during construction are presented in **Table 2-5**.

**Table 2-5: Existing Electric poles in Gothgaun Chiuramil Sadak**

SN	Chainage	Side (nos.)		SN	Chainage	Side (nos.)		SN	Chainage	Side (nos.)	
		Left	Right			Left	Right			Left	Right
1	0+050	1		27	1+345		1	53	3+360	1	1
2	0+125	1		28	1+397		1	54	3+400		1
3	0+165	1		29	1+445		1	55	3+440		1
4	0+240		1	30	1+495		1	56	3+480		1
5	0+280		1	31	1+545		1	57	3+520		1
6	0+320		1	32	1+595		1	58	3+562		1
7	0+325	1	1	33	1+625		1	59	3+600		1
8	0+375		1	34	1+660		1	60	3+720	1	1
9	0+460	1		35	1+755		1	61	3+855		1
10	0+470		1	36	1+770	1		62	3+900		1
11	0+520		1	37	1+805	3		63	3+930		1

SN	Chainage	Side (nos.)		SN	Chainage	Side (nos.)		SN	Chainage	Side (nos.)	
		Left	Right			Left	Right			Left	Right
12	0+540	2		38	2+300	1		64	3+960		1
13	0+590	1		39	2+420	1		65	4+065		1
14	0+630	1		40	2+500	1		66	4+175		2
15	0+675		1	41	2+540	1		67	4+210		1
16	0+715		1	42	2+575	1		68	4+280		1
17	0+755		1	43	2+580	1		69	4+310		1
18	0+790		1	44	2+745	3		70	4+345		1
19	0+880		1	45	2+840		1	71	4+415		1
20	0+920		1	46	2+920	1		72	4+460		1
21	0+965		1	47	2+965	1		73	4+490		1
22	1+050		1	48	3+010	1		74	4+530		1
23	1+055		1	49	3+150	1		75	4+565		1
24	1+110	1		50	3+190	1		76	4+600		1
25	1+155		1	51	3+270	1	2	77	4+690		1
26	1+295		1	52	3+305		1	<b>Total</b>		<b>31</b>	<b>57</b>
<b>Grand Total</b>										<b>88</b>	<b>nos.</b>

## 2.10 Demography of the project area

The total population of the Morang district, according to the Census of Nepal, 2021 (2078 B.S.) conducted by National Statistics Office (NSO) is 11,48,156 and the number of households is 272,283. The average family size of the district is 4.22, which is lower than that of the national average (4.37).

The total population of Sundarharaicha Municipality is 120,213 and total household is 29,826. The average household size of the municipality is 4.03 which is lower than that of district household size (4.22). The male and female population of the municipality is 57018 and 63195 respectively and sex ratio is 90.23. The total population and household of project affected wards - ward 7 and 8, is 18989 and 4691 respectively. The average household size of the project wards is 4.04. Total male population of the project wards is 9046 and total female population of the project wards is 9937. The sex ratio of the project wards 90.72. (Source: NSO, 2021).

The total households along the road alignment are 424 with total population of 1713 having 816 male population and 897 female population. (Source: Field study, August, 2023).

## 2.11 Settlements

The major settlements existing along the alignment are Chandranagar, Chiuramil, University Road, Salakpur and Gothgaun. The project alignment passes through commercial area at the junction of East-West highway and mostly through mixed land use and rural settlements.

## 2.12 Land availability

Proposed surface upgrading works will be limited within the existing road width which is 13m and is currently in public use. The existing width of the road is more than 13m (including earthen drain and earthen shoulder). However, ownership of private land parcels is yet to be transferred. Municipality will conduct the process of transfer of deeds of these land parcels and will be completed within the project period. There are no outstanding issues or grievances related to the land which is part of the existing road width.. There are no impacts on structures, private or public/ temporary or permanent structures due to upgradation works. Thus, no additional land needs to be required for the upgradation of subproject.

## 2.13 Physical Structures

There are no public and private structures situated within the construction width of the proposed alignment. Therefor the alignment is clear for the construction work.

## 2.14 Caste/Ethnicity

In terms of caste/ethnicity the project area is inhabited by Brahmin, Chhetri, Newar, Gurung, Magar, Majhi, Rai, Dalits and other caste group like the Jogi. The caste/ethnicity wise details of households are presented in **Table 2-6**. There is a presence of mixed groups of castes and ethnicities in the project area. The necessary consultations with these groups were conducted during field study. The separate consultations with different groups including IP groups and Dalits were also organized during filed study.

**Table 2-6: Ethnicity of People along proposed road alignment**

SN	Ethnicity	HH Number	%	Remarks
1	Brahamin	180	42.45%	Khas/Arya
2	Chhetri	123	29.01%	Khas/Arya
3	Newar	34	8.02%	Indigenous
4	Gurung	1	0.24%	Indigenous
5	Magar	11	2.59%	Indigenous
6	Majhi	24	5.66%	Indigenous
7	Rai	24	5.66%	Indigenous
8	Limbu	4	0.94%	Indigenous
9	Biswokarma	2	0.47%	Dalit
10	Tamang	7	1.65%	Indigenous
11	Pariyar	7	1.65%	Dalit
12	Bhujel	2	0.47%	Indigenous
13	Jogi	4	0.94%	Other
14	Rajbansi	1	0.24%	Indigenous
<b>Total</b>		<b>424</b>	<b>100%</b>	

(Source: Field study, August-2023)

## 2.15 GBV, SEA / SH

Field study, available data and consultations have revealed that there is presence of different types of GBV within the municipality and project area. In the focus groups discussion and informal discussions with locals, people said that some domestic (mental and physical) violence, economic violence, are presence within the project area. The records of **Municipal Office-Social Section, area police office, Belbari** and record of **local NGO**



**WOREC Nepal** (Working within Municipality) also shows the violence is present within the Municipality. The recorded details of violence present within the municipality are presented in the **Table 2-7**. Several consultations were carried out with the locals of the project area during the preparation of this ESMP. Altogether, 324 participants were consulted and the total number of male and female participants are were 235(72.5%) and 89 (27.5%) respectively. It was also found out that most of the local women were not aware about the provisions of complaint registering through toll free number 1145 provisioned by National Women Commission.

As a part of the project compliance, an Anti-Harassment Cell and GRC has been formed in Sundarharaicha Municipality. **Mrs Shanta Ghimire** is appointed as focal person of an Anti-Harassment Cell who also serves as GBV focal person of the municipality. The letter regarding deputation of the focal person has been attached in **Annex II**. The main purpose of establishment of Anti-Harassment Cell is to deal with cases of sexual harassment in a timely manner by providing support to the victim and ensuring prevention of harassment through proper redressal of the case. The cell process individual complaints and take appropriate action in accordance with the guidelines provided by the respective authorities.

**Table 2-7: Summary of GBV case details of different sources**

SN	Identified Cases	Police	Municipality	Worek Nepal	Police	Municipality	Worek Nepal	Police	Municipality	Worek Nepal	Total	Remarks
		F/Y 2077/078			F/Y 2078/079			F/Y 2079/080				
1	Polygamy	9	0	0	4	0	0	4	0	0	17	
2	Domestic violence (Mental and Physical Abuse)	4	11	23	5	17	6	7	28	0	101	
3	Rape/Sexual violence	16	0	5	15	0	3	11	0	2	52	
4	Human trafficking for prostitution	4	0	0	2	0	0	3	0	0	9	
5	Child Abuse	0	0	0	5	0	0	0	0	0	5	

According to the above presented data, there is presence of different types of GBV within the municipality and project area. Therefore, most prioritized issues on GBV are taken for planning of mitigation measures. Necessary mitigation programs are planned and implemented during construction of sub project. The most prioritized issues on violence are

- Domestic violence (Mental and Physical Abuse)
- Sexual violence/Rape

For mitigation of GBV during the construction phase, the following activities are proposed and implemented which needs to continue in the operation stage also. For conduction of these activities, the mitigation action plan is prepared, budget is estimated and included in DPR. The responsibility of carrying out these activities will be both contractors and DSC/PIU depending on the activities.

- Awareness programs related to women/girls of project area and workers, on GBV, which will include mental and physical abuse, sexual violence among others..

- Awareness program for local peoples regarding domestic violence (Mental and Physical Abuse) present in the project area.
- Establishment of Anti-Harassment Cell in Municipality and assign a Focal Person in the Municipality.
- Conduct an orientation program on code of conduct for contractors and subcontractors to manage GBV/SEA/SH risks during construction phase and implementation of Code of Conduct on SEA/SH and the provision of punishment for breaching of the code of the conduct.

### 3. DESCRIPTION OF THE PROJECT AND ITS ACTIVITIES

**Gothgaun Chiuramil Purwanchal Biswabidhyalaya Gothgaw Sadak (4.737Km)** is one of the major road alignment of Sundarharaicha Municipality. This road passes through ward 7 & 8 of Sundarharaicha Municipality. The road starts at Chandranagar Chiuramil at East-West highway and terminates at other point (Gothgaun) of same highway. The project alignment passes through the junction of East-West highway and mostly through mixed land use and rural settlements. It also connects Purbanchal University (PU) to other municipal peripheral area.

The average existing road width is 13m (including earthen drain and earthen shoulder). This route passes through 1.87 km of settlement and 2.86 km of agricultural land on either side of the road alignment. The average gradient of the road varies from 0.35 to 4 %. The proposed carriageway width of two lanes (3.5 m each), raised footpath, kerbs, covered RCC drains along the alignment, road crossings and shifting of 88 electric poles and improvement of the road furniture.

#### 3.1 Salient Features of the Project

The road starts at Chandranagar chiuramil at East-West highway and terminates at Gothgaun of same highway. The project is expected to contribute towards the municipal capacity for urban development planning, infrastructure development and institutional development of the municipality.

*Table 3-1: Details of Proposed Road Upgradation Project*

SN	Description	Description	
1	Name of the Road	Gothgaun Chiuramil Purbanchal Biswabidhyalaya Gothgaw Road	
2	Road Type	Urban/ Local Road (NURS 2076)	
3	Proposed road length	4.737Km	
4	Number of Lane	Two Lane	
5	Right of Way	15m for Chainage 0+000 to 2+020 and 30m for chainage 2+020 to 4+737	
6	Road Attributes	<b>Existing</b>	<b>Proposed</b>
	(i) Road Width (Existing Width that is in current use)	13m (including earthen drain and earthen shoulder)	13m
	(ii) Carriageway Width	5m to 6m in average	7.5m throughout
	(iii) Camber of Carriage way	2.5%	
	(iv) Pavement Surfacing	40mm Asphalt concrete (Flexible pavement) 0.15m Base 0.20m Sub-base	
7	Terrain Type	Plain	
8	Climate	Tropical	
9	Geology	Alluvial River Deposit	
10	Wards & Major settlements	Sundarharaicha Municipality – 7 & 8 Chiuramil (East-West Highway), Chandranagar, Gothgaun (East-West Highway)	
11	<b>Design Parameters</b>		

SN	Description	Description
12	Design speed of Road	40 km/hr
13	Design Life of Road	20 Years
14	Maximum Gradient	4%
15	Minimum Gradient	0.35%
16	Total cost of EMP	NPR. 1,350,000.00
17	Total Project cost	NPR. 699,674,995.37 (including VAT and contingency, including Sundarharaicha's both road cost)
18	Cost per km	NPR. 68447954.94 (including VAT and contingency)

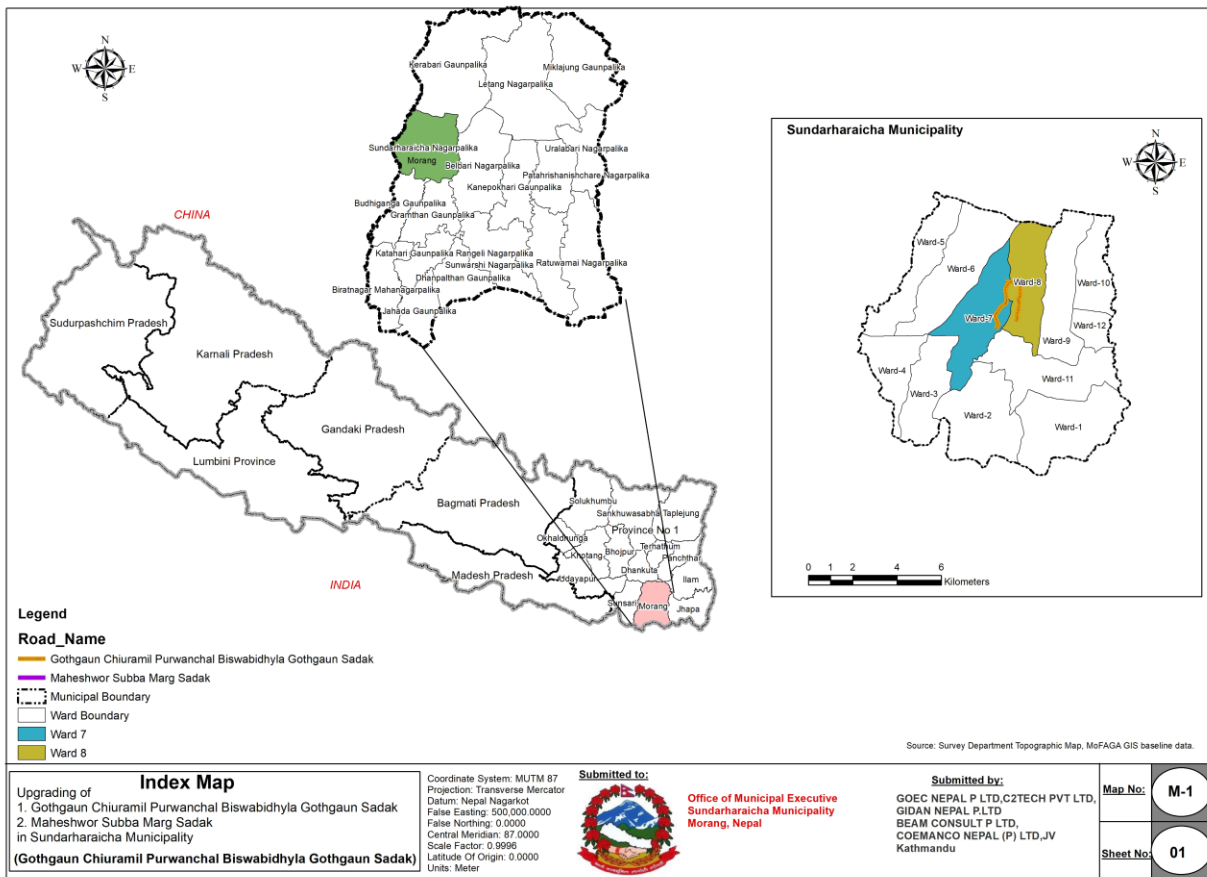


Figure 3-1: Index Map

### 3.2 Proposed Campsite and Stockpile Area

The field study showed that an open space at Devi Bahadur Tole with area of around 0.68 ha (6772.63Sq. m), near Chandranagar chowk (Chainage 1+010) at Ward no 8, can be used for contractor's campsite and for stockpiling of the construction materials. The land is private land (Easting 535538.84m E and Northing

2950250.99 m N), and the contractor will lease the land. Necessary consultation with landowner and locals were conducted with presence of ward chair and focal engineer. The existing land is barren land have some vegetation. Required facilities like separate male and female camps and toilets will be constructed during construction phase. The meeting minutes with landowner and locals are attached in **Annex II**.



Picture 1: Proposed campsite and stockpiling area

### 3.3 Solid Waste Management

Solid wastes are generated during conduction of different activities during road construction. Solid wastes are generally generating from site clearances, excavations and finalization of construction works. During construction, solid waste will also be produced at the labor camp which will be disposed within the proposed camp site only. Soak pits or septic tanks will be established for the sanitation units/latrines at appropriate location within campsite during establishment of camps. As proposed camp site is large in area, the back left side is used for solid waste management. Solid waste from road construction can have negative impacts on the environment and human health, such as land degradation, resource depletion, greenhouse gas emissions, water pollution and noise pollution. Therefore, it is important to manage the waste in a sustainable way, by reducing, reusing, recycling and recovering the materials as much as possible.

Also, the waste generated during decommissioning of the temporary campsite, the reusable like cardboards, plastics, bins, etc. will be sold, the metal scrap will be sent or sold to scrap dealers, and any residue will be disposed off in coordination with the local ward/municipal authority through existing solid waste management (collection & disposal) system of the municipality. The land will be cleared and restored to the satisfaction of the landholder or the local level.

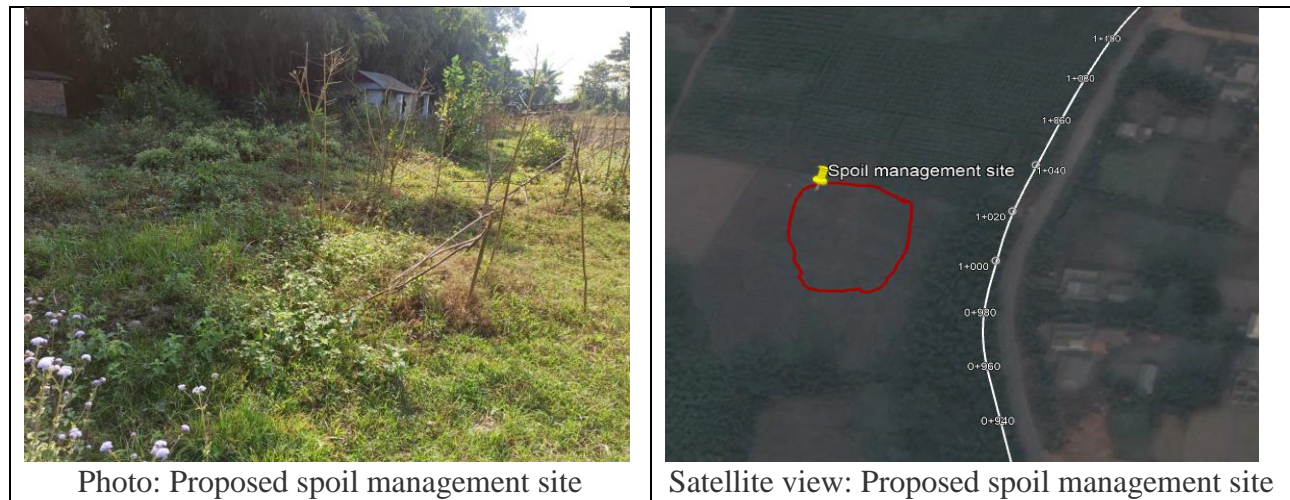
### 3.4 Spoil Management

The municipality and local partners helped arrange the spoil sites, which are located away from populated areas and aquatic bodies. As the earthwork cutting is lesser than earth filling, thus, there is no need of spoil

management issues in this sub project however during field study; the spoil management site is identified. The proposed area of the stockpiling and campsite is large (0.68hector), thus after coordination with municipality and locals, the same place (at chainage 1+010, near Chandranagar chowk) is proposed for spoil deposit site (Easting 535526.31m E, Northing 2950265.58m N). The construction debris such as existing asphalt material after scarification will be disposed at designated spoil site only; however, efforts will be made to minimize such waste through reuse, reduction, and recycling concepts. While hauling and storing spoil temporarily, spoil will be covered with plastic/tarpaulin cover. Construction trash should only be disposed of at approved spoil sites that are far from water sources. The construction contract contains the exact terms for managing construction detritus and storing resources. The land will be cleared and restored to the satisfaction of the landholder or the local authority. Soak pits or septic tanks will be established for the sanitation units/latrines. The necessary consultation with landowner and community were conducted during field study and minutes is attached in **Annex II**.

**Table 3-2: Earthwork quantity of the sub project**

SN	Particulars	Cutting (m3)	Filling (m3)
1	Earthwork	12196.46	14258.43



**Figure 3-2: Proposed spoil management site**

### 3.5 Quarry Sites

In order to upgrade the road, operations like gravelling, construction of retaining walls, cross drainage, side drains, road furniture and other structures will require the use of stones, sand, aggregates. These construction materials will be brought from the established quarry sites of municipality and crusher industry nearby the municipality. These construction materials will be brought from the approved quarry sites at the Budhi Khola, Ghachhiya Khola and Lohandra Khola within the municipality. IEE of these quarry sites prepared by municipality and approved (2079 Shrawn) by concerned body. The quarry site is shown in below **Map (Figure 3-3)**

**Table 3-3: Quantity of Sand, Aggregate and Stone required for the sub project construction**

SN	Particulars	Quantity (m3)	Remarks
1	Sand	113.52	
2	Stone	790.659	



SN	Particulars	Quantity (m3)	Remarks
3	Aggregate	227.034	

The Contractor may also obtain required construction materials from the legally operating crusher industries other than proposed quarry sites. So, the direct impact of quarries such as damage to cultivated land, high level of air pollution, noise pollution, cracking of houses nearby structures by heavy equipment movement, affect to the downstream aquatic life etc are not expected in this subproject. However, the quarry sites and amount of quarrying material will be included in Construction Environment and Social Management Plan (CESMP) within 45 days of commencement of works. PIU will check the site requirements and quality of quarrying material and approve it. DSC will also monitor whether the quarry sites has been legally operating or not.

**Table 3-4: IEE Approved Quarry site description**

SN	Quarry Name	Ward No	Northing	Easting	Available quantity (m3)	Type of material	Remarks
<b>1</b>	<b>Budhi khola</b>						
a	Chariguwa Naka	4	26.64102000°N	87.292833°E	3750	Stone, Sand and Aggregate	Approved IEE of these sites is not mentioned separate volume of the stone, aggregate and sand to be available.
b	Driving center naka	5	26.66776333°N	87.28958833 °E	4800		
c	Gaushala Naka	5	26.671498500°N	87.29510167°E	4500		
d	Khoksi Naka	5	26.67525000°N	87.30078333°E	8750		
<b>2</b>	<b>Ghachhiya khola</b>						
a	Shiddakali Naka	6	26.66169667°N	87.32026167°E	10000		
b	Sukuna Naka	6	26.6951000°N	87.314540667°E	45000		
c	Thapagaun Naka	6	26.67026683°N	87.329016833°E	18000		
d	Julewi Naka	6	26.68295333°N	87.34068500°E	22000		
e	University Naka	7	26.67432167°N	87.332999333°E	8000		
f	Gachhiya Naka	7	26.66164833°N	87.3222000°E	17500		
<b>3</b>	<b>Lohandra khola</b>						
a	Kumargaun Naka	1	26.66776333°N	87.28958833°E	8750		
b	Pipal Chowk Naka	1	26.671498500°N	87.29510167°E	6750		
c	Lohanda kisti Dovan Naka	11	26.63588167°N	87.40260167°E	9000		

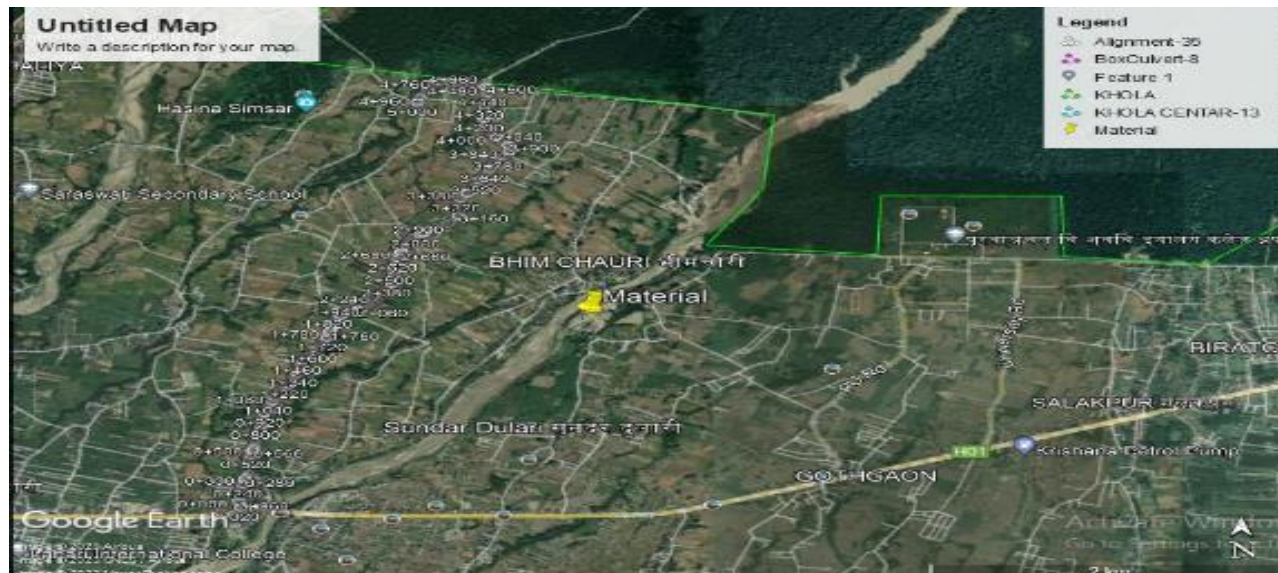


Figure 3-3: Satellite Map of Quarries Location of Sundarharaicha municipality

### 3.6 Borrow Pits

As per DPR, The earthwork cutting quantity is greater than the filling quantity, The volume to be managed by the borrow pits site is 2061.97cumec of earthwork. The borrow pit is proposed at the Gachhiya Khola which is 1.5 km far from our road chainage 2+300 and having IEE clearance by municipality.

Table 3-5: Quantity of Base and Sub base

SN	Item	Quantity	Remarks
1	Base	6032.63	
2	Sub base	7928.5	

### 3.7 Other facilities

The facilities like workshop area, concrete batch plant will be established during construction of road. The site is identified during filed study. As the proposed camp site and stockpiling site is large having an area of 0.68 ha (6772.63Sqm). Thus, facilities like workshop area, concrete batch plant will be established in back right corner of proposed site. The necessary consultation with land owner and locals were conducted during field visit and attached in **Annex II**. Further, CESMP will be prepared by contracted within 45 days of contract. Thus, facilities like Workshop area, concrete batch plant, crusher plant establishment details will be included in contractors CESMP. The land will be cleared and restored to the satisfaction of the landholder, PIU/DSC after completion of work.



## 4. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP)

### 4.1 Social and Environmental Screening:

The Environment and Social Management Plan (ESMP) including monitoring plan provides a road map on how to address the anticipated negative environmental and social impacts associated with the implementation of the proposed development project throughout its project life cycle. The outline of the plan considers the anticipated impacts, the mitigation measures, the parties responsible for the action, time frame for the implementation and cost to address them. The monitoring process aims at generating useful information that would be useful in facilitation of the implementation of the mitigation measures.

The implementation of the ESMP solely should be the responsibility of both the Municipality/PIU/DSC and the contractor. Proponent will play both implementor and supervisory role for ensuring proposed measures are implemented as outlined in the plan. The frequency of implementation and monitoring of the proposed measures will be dependent on the nature of the anticipated impact. The cost of implementation of the ESMP during the construction phase will be factored in the bills of quantities (BOQ) while the cost after completion will be met by the PIU.

The proposed sub-project is an upgradation of an existing road. By using approved format, A social and environmental screening of the sub-project has been done to assess any potential risk associated with the road upgradation work. The checklists of screening of social and environmental safeguards are provided in **Annex I**. The screening shows that the project area doesn't have major social or environmental risks. The land required for road construction is already available and is in public use. Documents regarding declaration of the RoW by the Sundarharaicha Municipality is provided in **Annex II** of this document. As per consultation with people during the field study, there were no any disputes regarding land ownership, existing road width and grievances. As per section B & C of Appendix C of Environmental and Social Management Framework (ESMF, August 2020) of NUGIP, it can be concluded that the proposed road upgradation project falls under 'Low to Medium impact project' under Category B. Hence an abbreviated ESMP is sufficient for the proposed project. This ESMP document has been prepared as per Appendix C of the ESMF.

### 4.2 Scope of Environmental and Social Management Plan:

The scope covers potential impacts, related mitigations and monitoring aspects related to activities under the proposed road upgradation works in Sundarharaicha Municipality. These are summarized in **Table 4-2** below.

### 4.3 Implementation of Environmental and Social Management Plan

The sub-project ESMP implementation arrangements can be summarized as follows;

**Table 4-1: Roles and responsibility for ESMP implementation**

SN	Stakeholder	Role & Responsibilities for ESMP implementation
1	Sundarharaicha Municipality/PIU	<ul style="list-style-type: none"> <li>✓ The overall project environmental and social safeguard management is the responsibility of PIU</li> <li>✓ The regular monitoring will be carried out by the PIU</li> </ul>
2	Contractor	<ul style="list-style-type: none"> <li>✓ The contractor is required to submit C-ESMP within 45 days of contract signing.</li> </ul>

SN	Stakeholder	Role & Responsibilities for ESMP implementation
		<ul style="list-style-type: none"> <li>✓ Implement the mitigation measures and provisions as per ESMP and DPR of the Project</li> </ul>
3	DSC	<ul style="list-style-type: none"> <li>✓ Preparation of ESIA/ESMP during DPR phase</li> <li>✓ Supervision support to the Contractor to implement the ESMP</li> <li>✓ Monitoring of implementation of ESMP and its compliance</li> <li>✓ The E&amp;S safeguards specialists of DSC will work closely with its technical staff to ensure project implementation in accordance to World Bank's safeguard standards.</li> </ul>
4	PCO & PMST	<ul style="list-style-type: none"> <li>✓ The PCO will have overall responsibility to ensure compliance with pertaining laws, policies, regulation for all sub projects</li> <li>✓ The PCO with support from PMST will review implementation support of environmental and social safeguard studies/ management plan prepared by PIU/DSC.</li> </ul>

#### 4.4 Objectives of ESMP:

The overall objective is to ensure that the environment and its surrounding areas are protected and developed to meet the needs of the local stakeholders and safeguard the requirements of the local people. The basic objectives of the EMSP are to:

- To ensure that all mitigation measures and monitoring requirements will actually be carried out at different stages of project implementation and operation - pre-construction, construction, and operation and maintenance;
- Establish the roles and responsibilities of all parties involved in the project's environmental and social management; and
- Ensure the budget required for implementation of recommended actions aimed at environmental and social management and its enhancement.

#### 4.5 ESMP Matrix:

Following project interventions and related mitigation measures have been planned in relation to the existing status and potentials improvements for the proposed road alignments;

**Table 4-2: Environment and Social Management Plan (ESMP) Matrix**

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
<b>Physical-Construction</b>				
1	Obstruction due to electric poles (88 nos.) within the construction	<ul style="list-style-type: none"> <li>• Coordinate and obtain permission for dismantling and relocation of electric poles from NEA before execution of construction works.</li> <li>• Relocate the electric poles along the alignment in coordination with the Nepal Electricity Authority and Nepal Telecom.</li> <li>• The process needs to be completed prior the beginning of the road construction</li> <li>• Total 88nos. of electric poles will be installed on both sides of the road at the space of 30m of interval.</li> </ul>	Municipality, PIU/DSC and Contractor in coordination with NEA/Nepal telecom.	Included in DPR. (BOQ Item No A-2, Provisional Sum)
2	Water Supply Pipes disturbance of Salakpur Water supply and sanitation user committee.	<ul style="list-style-type: none"> <li>• Water supply pipelines will not be impacted directly from the upgradation of the proposed road.</li> <li>• However minor maintenance such as leakage, junction jointing may be needed during construction.</li> <li>• Coordinate and obtain permission from Salakpur Water Supply User Committee for Maintenance/relocating pipelines of pipelines.</li> <li>• Water pipes of diameter 160mm up to 2km was laid in one side of the road, Precaution measures such as avoiding pipelines will be taken during the construction</li> <li>• Alternative means of supply during the disruption and if water supply pipeline gets damage/disturbance from the construction works, water supply pipeline will be reinstated as required in coordination with relevant stakeholders.</li> </ul>	Contractor (budget) in coordination with Municipality/PI U/DSC and User Committee	Included in DPR (BOQ Item No A-2, Provisional Sum)
3	Land use change	<ul style="list-style-type: none"> <li>• The land use change is irreversible in this sub-project, however, following measures will be undertaken to manage top soil</li> <li>• Topsoil from all temporary acquisition sites including existing road embankment will be stock piled in a safe location along</li> </ul>	Contractor	This will be the part of Contractor's Responsibility under Contractor Cost.

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		<p>the road alignment. The stocked topsoil will be reused for the rehabilitation of facility sites such as labor camp, workshop etc. including protection of road side embankment from landslide and erosion.</p> <ul style="list-style-type: none"> <li>• Top soil will be used in greenery management, plantation and will be given to farmers upon request.</li> </ul>		
4	Quarry Operation	<ul style="list-style-type: none"> <li>• Avoid and or minimize adverse environmental impacts arising out of quarry construction material exploitation in line with MOFE guidelines/ conditions / recommendations.</li> <li>• Compile Materials Management Plan one month before commencement of construction and update monthly and include in progress report.</li> <li>• Include conditions for selecting borrow sites, timing and use of roads, maintenance of vehicles, selection of sites for material storage, rock blasting and aggregate production, handling hazardous or dangerous materials such as oil, explosives and toxic chemicals.</li> <li>• The construction materials will be brought from the established quarry sites (IEE completed and approved by concerned authorities) located within or outside the municipality. So, the direct impact of quarries is not expected in this Subproject.</li> <li>• The municipality in support of DSC will monitor the quality of quarrying material and state of quarry sites.</li> <li>• The supplies will only come from authorized merchants that have received environmental approval.</li> <li>• All the excavated quarry sites will be rehabilitated implementing the measures mentioned in the approved IEE reports.</li> </ul>	Municipality/DS C, Municipality instructs the quarry operators to reinstate the established quarry sites as per agreed norms during environment clearance (follow IEE obligations)	PIU/DSC monitoring cost.
5	Issues of stockpiling	<ul style="list-style-type: none"> <li>• Locate, peg and seek approval from the supervising consultant for the use of stockpile sites. The proposed location is Devi Bahadur Tole with area of around 0.68 ha (6772.63Sq. m), near Chandranagar chowk (Chainage 1+010) at Ward no 8 which is also presented in chapter 3-2.</li> <li>• Stockpile should not be located on water courses; should not be</li> </ul>	Contractor	This will be the part of Contractor's Responsibility under Contractor Cost. This will be included in CESMP

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		<p>within 50m of schools, hospitals or public standpipes; and should not affect locals and their properties.</p> <ul style="list-style-type: none"> <li>• Obtain written permission from landowners and local bodies for stockpiling on their land. The consent letter from identified land's owner was obtained with presence of municipal representatives and attached <b>in Annex II</b>. Further contractor will lease the land during construction.</li> <li>• Only barren land will be used for stockpiling and proper insulator cover and proper drain will be managed to store the chemical to avoid the leakage of chemicals.</li> <li>• Stock of sand will be set wet to prevent it from blowing with the wind; water sprinkler will be used for this purpose.</li> <li>• The places used for the stockpiling of construction materials will be cleaned promptly after the completion of the project.</li> <li>• The area could be leased or rented based on price not lower than the prevailing market price.</li> </ul>		
6	Labour Camp and Location Management	<ul style="list-style-type: none"> <li>• Locate with appropriate markings and get approval from PIU/ DSC for labor camp sites.</li> <li>• The site will be well fenced, and provided with a 24-hour guard having access to entry for authorized personnel only. Also will maintain record of labor in proper way.</li> <li>• Settlements, water intakes should not near to the camp sites. Also, camps are not close contact with local peoples.</li> <li>• Separate toilets for male and female including sanitary facilities for workers to avoid open defecation by construction of temporary toilet.</li> <li>• Separate for male and female, and easily accessible sanitary facilities for working manpower on site.</li> <li>• Camp shall not be in the vicinity of landslide and flood plains.</li> <li>• Provide and maintain proper drinking water, sewerage and waste disposal facilities at the camps.</li> <li>• Ensure no wood is burnt by any worker on or off site. Camps shall be provided free of cost, with electricity and regulator &amp; adequate fuel supplies of LPG or Kerosene.</li> </ul>	Contractor	It is the responsibility of Contractor.

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		After use, sites shall be cleared and restored to near natural or stable conditions with vegetative cover.		
7	Borrow Pits	<ul style="list-style-type: none"> <li>• Avoid and or minimize adverse environmental impacts (a minimize contamination of the surroundings) rising out of borrow pits.</li> <li>• A list of routes of transport of construction material is to be prepared for the contract and agreed one month prior to construction.</li> <li>• Provide earth material Quantity required of the filling works, sub-grade, and grade, base and sub-base. Which is listed in earlier sections.</li> <li>• Limit sediment movement and retain vegetation for stability.</li> <li>• Stock piling of top soil,</li> <li>• Construct ditches to direct runoff away from the site.</li> <li>• Reclamation of borrow pits, landscaping and tree plantation along the excavated borrow pits.</li> <li>• The borrow pit is proposed at the Gachhiya khola which is 1.5km far from our road chainage 2+300 and having IEE clearance by municipality.</li> </ul>	Contractor	Included in contractor cost, it is a responsibility of contractor.
8	Spoil Disposal	<ul style="list-style-type: none"> <li>• The identified spoil deposit site is at chainage 1+010, near Chandranagar chowk is proposed for spoil deposit site (Easting 535526.31m E, Northing 2950265.58m N).</li> <li>• Disposal of spoil into water bodies will be strictly prohibited.</li> <li>• Generated spoil (scarified existing black top) will be disposed only at designated spoil disposal sites.</li> <li>• Investigating whether the spoil can be reused in the project or by other interested parties in the vicinity. (Landfilling, road reconstruction, earth berms, amenity planting at intersections – other future road structures)</li> <li>• All the identified spoil disposal sites will be rehabilitated after disposal adopting natural drainage, and covering vegetation.</li> </ul>	Contractor	Included in contractor cost, it is a responsibility of contractor.
9	Air/Dust Management	<ul style="list-style-type: none"> <li>• Water will be spared regularly for maintaining alignment wet (at least 3 times a day).</li> </ul>	Contractor, Monitoring by	Included under Contractor's Cost

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		<ul style="list-style-type: none"> <li>• Delivery vehicles will be covered and mixing equipment will be well sealed and equipped as per existing standards. Repair and maintenance of equipment and vehicles regularly to control air pollution.</li> <li>• All construction vehicles will comply with Motor Vehicles and Transportation Management Act 2054 as latest amended 2074-11-14– mandatory Green Sticker for vehicles.</li> <li>• Provide temporary hoardings and signs where required to minimize dust impact on locations of schools/University (Purbanchal University at Chainage 2+020).</li> <li>• Use of speed control devices/signals in Gothgaun and Chndranagar settlements and working areas to limit traffic speed.</li> <li>• Air pollutant parameters (TSPM, PM10, Sox, NOx, Cox) will be monitored quarterly during construction. Conforming NAAQS of Nepal.</li> <li>• Air quality monitoring/Sampling (at least 2 times during construction)</li> </ul>	DSC	<p>The cost for the water sprinkling will be borne by the contract package.</p> <p>NPR 300,000</p>
10	Noise, vibration	<ul style="list-style-type: none"> <li>• The noise level of vehicles and equipment used will be keep at minimum levels and purchase/use equipment/machinery with lower sound power levels.</li> <li>• Workers will be provided with appropriate ear muffs/plugs especially at crusher site.</li> <li>• Sensitive locations i.e., schools/University (Chainage 1+800 to 2+200, Purbanchal University and Medical college). will be avoided while placing the noise generating equipment.</li> <li>• Establish photographic and video graphic evidences of structures and properties in and alongside ROW for any crack related matters arises and promptly investigate any damage claims from construction activities that will be carried out, and will provide compensation at repair or replacement value</li> <li>• Awareness raising, information and dissemination about GRM for any kind of loss due to the vibration/Noise.</li> <li>• Construction works will be carried out during day time only.</li> </ul>	Contractor/DSC	<p>cost of noise level monitoring comes within the Air Quality monitoring cost above.</p> <p>Costs as a result of damage from vibrations will be borne by contactor.</p>

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		<ul style="list-style-type: none"> <li>• Restrict activities with significant noise impacts to outside school (no horn sign)</li> <li>• Activities involving heavy machinery with significant noise impacts will be restricted to outside school hours.</li> <li>• Noise levels (1 hr Leq dB(A)) levels will be monitored regularly conforming WHO standards.</li> </ul>		
11	Water Pollution	<ul style="list-style-type: none"> <li>• Hazardous materials shall not be stored near surface waters sources.</li> <li>• Avoid direct disposal of solid waste and construction waste (Spoil) into the water bodies.</li> <li>• Plastic sheeting shall be placed under hazardous material storage area to collect and retain leaks and spills.</li> <li>• Contaminated runoff from storage areas shall be captured in ditches or ponds with an oil trap at the outlet.</li> <li>• Contaminated and worn plastic sheeting shall be packed into drums and disposed of site.</li> <li>• The water samples were collected from the project affected areas and tested in laboratory and found within limits</li> <li>• Water Quality of natural water bodies will be tested quarterly for the (EC, PH, DO, TSS, Oil and Grease). Conforming WHO standards.</li> </ul>	Contractor/Quarterly	Cost of water pollution monitoring comes within the Air Quality monitoring cost included in above SN 9 of this table.
12	Solid Waste	<ul style="list-style-type: none"> <li>• Waste minimization and waste segregation will be prioritized; 3R approach will be promoted.</li> <li>• Composting of organic waste generated from the camps will be disposed within the proposed camps. The tentative estimated solid waste generated by the camps is 60 kg (for 40people) per day (as assume that a person generates 1.5 kg waste a day).</li> <li>• Containment of hazardous waste will be carried out.</li> <li>• Awareness raising event will be carried out.</li> <li>• Decommissioning waste will be re-used, sold to local scrap dealers.</li> <li>• Coordination with local municipality team for final disposal into the municipality's waste collection &amp; disposal system.</li> </ul>	Contractor	NRs 150,000



SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		<ul style="list-style-type: none"> <li>• It has been planned those basic facilities like composting, waste segregation, etc. will be started from first month/quarter of contractor's mobilization; other practices under 3R approach (e.g. waste minimization) will be carried out through out; and awareness events will be carried out every quarter (detailed plan will be provided in C-ESMP)</li> </ul>		
13	Construction Safety	<ul style="list-style-type: none"> <li>• First aid kit for one set in a camp will be provided.</li> <li>• <b>PPE</b> (helmets, masks, boots, gloves, ear plugs and goggles) should be provided for workers safety</li> <li>• Covered side drain with footpath must be provided.</li> <li>• Storm water collected should be disposed through the nearest culvert sections.</li> <li>• Temporary diversions will be provided in Gothgaun near Purbanchal University area, with proper drainage facilities including sign and signals.</li> <li>• The contractor will assign a safety officer and the PIU's safeguard specialist will monitor the implementation of the OHS measures.</li> <li>• Adequate lighting and safety signal devices be installed for work safety.</li> <li>• Adequate warning signs, safety barriers, traffic calming measures and persons with flags to control traffic will be provided for work safety.</li> <li>• Maintain health care system at construction camps including once a week visits by trained medical staff for routine checkup of workers and avoidance of communicable disease.</li> <li>• Electrical Equipment will be checked and certified regularly.</li> <li>• Provide and install all road signs as per design.</li> <li>• Impart road safety education to all community, schools, clubs and drivers of construction vehicles.</li> <li>• Hazards will be properly identified and will follow work safety arrangements. Safety signs and information will be provided and the work space will be barricaded to prevent unauthorized</li> </ul>	Contractor Regular monitoring and supervision by PIU/DSC	Included in BOQ (BOQ Item no B-4, B-7 and H)

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		entry. Workers and people at the construction site will be provided with safety training, and to help ensure that workers are trained on what to do in the event that an accident occurs on site.		
14	Traffic Management	<ul style="list-style-type: none"> <li>• Emergency traffic management plan should be included in CESMP by the contractor and approved by the PIU/DSC.</li> <li>• This is required to cope up with the restriction on the vehicular movement due to closure of road for reasons including construction. The plan may include informing about the scheduled road closure and the alternative routes identified to divert the normal traffic flow, transport material during off-peak time.</li> <li>• Provide advance notice to stop vehicles by erecting indicator signs at a necessary distance in order to reduce congestion at the site of work, thus enabling making of proper security arrangements, or lane wise traffic management.</li> </ul>	Contractor with coordination of PIU/DSC	Included in BOQ (BOQ Item No B-7)
15	Road Safety and community safety	<ul style="list-style-type: none"> <li>• Provide ramps in strategic section of roads as detailed in section.</li> <li>• Installation of Road markings at all major as well as minor intersections. Road Signs and Road Markings has been provided as per Traffic Sign and Marking manual as per DPR</li> <li>• Hand railings: Hand railing to be provided at box culverts and other required section</li> <li>• Guard Rails and Safety Barriers: Guard Rails and safety barriers must be provided in places where serious damage to vehicle and people may occur when an out-of-control vehicle may leave the roadway or hit other objects.</li> <li>• Installation of Street lights as per need.</li> <li>• The signage/hoarding board needed area are <i>Gothgaun and Chnadranganar as well as Purbanchal University (PU) area.</i> Also, junction/turning point at chainage 0+320, 1+810, 2+300, 2+950.</li> <li>• Awareness activities (at least two event, minimum participants 30nos.) will be conducted to inform &amp; aware locals regarding</li> </ul>	Contractor	Included in project BOQ (BOQ item no B-7, H)  NRs 50,000

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		potentials risks and proposed safety measures related to the project activities		
16	SEA/SH related risks	<ul style="list-style-type: none"> <li>• Separately Camps for man &amp; women and maintain minimum distance from one camp to other camp.</li> <li>• Establish locker rooms/secured rooms/or latrines for workers, well-lit and include ability to lock from inside</li> <li>• Display signs around workplace on prohibition of SEA/SH</li> <li>• Further details in below (Social, economic and cultural-Construction Stage, SN: 9)</li> </ul>	Contractor and monitored by PIU/DSC	It is a responsibility of contractor for camp site management however awareness related activities cost is proposed in below headings ( <b>Social, economic and cultural-Construction Stage, SN: 9</b> )
17	Others (Crusher, asphalt plant, if proposed in the project)	<ul style="list-style-type: none"> <li>• The Contractor will develop and maintain emergency response system in order to address any accidents or other emergency situation or disaster at site such as fall of workers from height, collapse of pier, flood, earthquake, accident, etc.</li> <li>• The Contractor will dispose all the chemical wastes generated during the time of construction safely without interrupting the existing nearby settlements, water bodies, forests and wildlife.</li> </ul>	Contractor and monitored by PIU/DSC	It is a responsibility of contractor.
18	Demobilization of contractor	<ul style="list-style-type: none"> <li>• construction sites are cleaned from residual waste and fully reinstated;</li> <li>• Enabling environment is provided for natural regeneration of work base and construction sites to natural condition.</li> </ul>	Contractor and monitored by PIU/DSC	Contractor cost. It is a responsibility of contractor.
<b>Physical-Operation</b>				
1	Road Stability and Drainage Management	<ul style="list-style-type: none"> <li>• Construction of protection wall and drainage system to mitigate possible inundation in the settlements along the project alignment and ensure proper compaction as per design</li> </ul>	Contractor/Municipality	Municipality Regular program during Operation
2	Air pollution and Noise Pollution	<ul style="list-style-type: none"> <li>• There should be a consensus between municipality, Transportation Entrepreneur, and the local people regarding the operation of conditioned vehicles</li> <li>• Campaigns like 'No Horn' and use of soft-horns can be initiated by the local authority.</li> </ul>	Municipality, transportation entrepreneur, local people	Municipality Regular program during Operation
3	Water pollution	<ul style="list-style-type: none"> <li>• The operation of proposed work doesn't pose serious threat on water bodies; however, washing vehicles on fresh water streams</li> </ul>	Drivers, Ward, local people	Municipality will monitor

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		will be avoided.		
<b>Biological-Construction</b>				
1	Vegetation clearing during site clearance. Whereas, no any tree will be affected.	<ul style="list-style-type: none"> <li>• Appropriate tree species will be selected for road side plantation</li> <li>• There is no any vegetation(tree) loss by this sub project however bio engineering will be done as per site condition.</li> <li>• Preparation and planting of live pegs selected species (e.g. assuro, namdi phul, simali) of minimum length to 0.5 m depth into soft debris. Pegs spaced at 5- centers within rows, and interwoven with vegetation</li> </ul>	Contractor and monitored by PIU/DSC	Contractor cost. (BOQ item no-G, Bio engineering, NRs 352,768.70)
<b>Social, economic and cultural- Construction Stage</b>				
1	Pedestrian Safety: General people, children and elderly people.	<ul style="list-style-type: none"> <li>• Diversions should be safe for children, the elderly, and other pedestrians.</li> <li>• School/University (Chainage 1+800 to 2+200) areas should be emphasized and adjacent transitions should be ensured. Appropriate signs and signage are used during project execution and construction to raise awareness of potential safety hazards of construction</li> <li>• 30 nos. of Zebra crossing are provided throughout the alignment in certain interval and major crossings like chainage 5+030.</li> </ul>	Contractor	Included in BOQ (BOQ item no-H)
2	Health and Sanitation	<ul style="list-style-type: none"> <li>• Proper awareness of the use of toilets, construction of separate toilets for workers, and provision of chlorine solutions to purify drinking water for workers</li> </ul>	Contractor	NRS 50,000
3	Employees safe specially for Child labor and forced labor	<ul style="list-style-type: none"> <li>• Child labour &amp; forced labour will be strictly prohibited</li> <li>• No children (under 16) or forced laborers are employed in this project.</li> <li>• Age verification document of workers will be documented and contractor will maintain the record of labour employed</li> </ul>	Contractor, Monitoring by DSC every month	Contractor responsibility
4	Occupational Health and Safety	<ul style="list-style-type: none"> <li>• Orientation on use of PPE and Covid -19 will be provided to workers and in regular basis, Induction and refresher training to the workers will be provided.</li> <li>• Safe Drinking water will be provided to the camp for worker use.</li> <li>• Provision of insurance to cover physical damage to workers.</li> </ul>	Contractor	Included in BOQ (BOQ item no B-8, Lumpsum item)

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		<ul style="list-style-type: none"> <li>• Drivers with authorized license holders will only be allowed for the operation of construction vehicles, machines and equipment.</li> <li>• Workers and staff at the construction site will be provided with proper training to ensure that workers are trained on what to do in the event that an accident occurs on site.</li> <li>• The contractor’s supervisors will be instructed to conduct ‘pre-work instructions’ to the workers everyday - explaining them about the nature of works, condition of the site, and associated risks as well as safety measures.</li> <li>• Agreement with nearby health institution will be in place by the contractor.</li> <li>• Contractor will be responsible to maintain the records of each and every accident and incidence and will make available to DSC/PCO/PMST as and when required.</li> <li>• Contractor’s team, staff and laborers can also make use of the GRM to raise complaints / grievances if any</li> </ul>		
5	Traffic and Transport Management	<ul style="list-style-type: none"> <li>• Traffic Safety such as street lights, traffic control devices and other features shall be covered through “Traffic Signs Manuals Vol-I and Vol II” and “Road safety manual” published by the DOR.</li> <li>• Provision of alternative routes to ease the congestion and built up of traffic</li> <li>• Increase public awareness of safety, health and environmental issues by providing information directly and indirectly through campaign and display appropriate signage for use during construction and awareness creation on the potential hazards of the project.</li> </ul>	Contractor will submit the Traffic and Transportation Plan and approved by the PIU for effective monitoring	This will be the part of contractor cost. (BOQ Item no H)
6	Limited Access for elderly and Differently-able People	<ul style="list-style-type: none"> <li>• Maintain signboards, lights, instructions in strategic locations.</li> <li>• Detours and appropriate pedestrian crossings will be available during construction to ensure that the elderly and disabled will not be restricted in their movement during construction. Older people should have opportunities to socialize and meet people and families to support their mental needs and health.</li> </ul>	Municipality/ DSC Contractor	will be the part of Contractor's Responsibility under Contractor Cost

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
7	Sexual violence including Girls/ Women Trafficking/ rape	A program of awareness will be created and implemented.	Municipality/DS C	NRs 800,000 (Further breakdown presented in table 4-3)
8	Grievance Redressal SEA/SH risks and stakeholder consultation	<ul style="list-style-type: none"> <li>• Community awareness of GRM and its importance.</li> <li>• Use a grievance resolution process that includes a team or party for negotiation and/or mediation.</li> <li>• Clear and timely dissemination of project information, and safeguards aspects including anti-harassment cell; Coordination with the local stakeholders</li> <li>• Awareness raising, information and dissemination about GRM and GBV (meetings, monitoring and logistic costs@ 1 meeting every month)</li> <li>• Production of leaflets, and information dissemination through local media and ESMP document in ward offices</li> <li>• GRM will include mechanism for referring SEA/SH-related grievances</li> <li>• 9 awareness/ orientation/ trainings (awareness on domestic violence (3nos.), Sexual violence/rape (2nos.), CoC (4nos.)) with at least 30 participants in each activity and will conduct during first quarter of 1st year and 3rd quarter of first year)</li> <li>• Production of leaflets, and information dissemination through local media of ESMP, project provisions including GRM and SEA/SH and ESMP document in ward offices.</li> <li>• Signages</li> </ul>	Municipality/DS C	
9	SEA/SH risks	<ul style="list-style-type: none"> <li>• Separately Camps for man &amp; women and maintain minimum distance from one camp to other camp.</li> <li>• Establish locker rooms/secured rooms/or latrines for workers, well-lit and include ability to lock from inside</li> <li>• Display signs around workplace on prohibition of SEA/SH</li> <li>• Formulating and adopting Code of conduct including sections on the safety of women and girls (CoC should be included in all contracts and training on CoC should be provided to all</li> </ul>	Contractor	will be the part of Contractor's Responsibility under Contractor Cost

SN/ Stage	Impact	Mitigation measures	Responsibility	Remarks/ Cost (NPR)
		workers) <ul style="list-style-type: none"> <li>CoC are understood through orientations and signed by workers</li> </ul>		
<b>Social, economic and cultural: Operation Stage</b>				
1	Encroachment of ROW	The municipality will work with wards and local bazaar committees/groups to discourage encroachment into the RoW.	Municipality	Cost will be borne by municipality
2	Traffic accidents and associated risks (community members including general public, community, children, elderly people)	<ul style="list-style-type: none"> <li>Raise awareness of traffic rules, pedestrian lanes (footpath).</li> <li>Traffic regulations such as speed limits, sign boards are strictly enforced.</li> <li>Further encroachment and squatting within the ROW will be prevented.</li> <li>Do not build schools or hospitals within 50 meters of a road without permission of local government.</li> </ul>	Municipality	Cost will be borne by municipality
3	Limited access for elderly and differently-able people	<ul style="list-style-type: none"> <li>Provide training on the use of facilities; maintain signboards, lights, instructions in strategic locations.</li> </ul>	Municipality	Cost will be borne by municipality

#### 4.6 Summary of Costs of ESMP Activities

The summary of costs for the ESMP activities is outlined in **Table 4-3** below

*Table 4-3: Summary of Cost of ESMP Implementation*

SN	Items & Headings	Unit	Qty	Rate	Total, NPR	Remarks
	<b>Provisional Sum amount</b>					
1	Water quality test	Samples	4		300,000	

SN	Items & Headings	Unit	Qty	Rate	Total, NPR	Remarks
2	Air quality and Noise level monitoring/Sampling	Samples	2			
3	Awareness/trainings on GBV, SEA/SH and will conduct during first quarter of 1st year and 3rd quarter of first year with at least 30 participants in each event	Events	9	50000	450,000	
i	Awareness on domestic violence (Mental and Physical Abuse)	Events	3			
ii	Training on Sexual violence/rape	Events	2			
iii	Awareness/Training CoC	Events	4			
4	Solid waste management				150,000	
5	Awareness on Health and sanitation of workers and provision of chlorine solution	Events	1		50,000	
6	Awareness on Road safety and community safety	Events	2	25000	50,000	
7	Social safeguards (grievance meetings, site monitoring, etc)	Meetings/Events	18	12500	225,000	
8	Information dissemination materials and medium					
	(a) Leaflets and ESMP document printing				50,000	
	(b) PSA (local media)		3	25,000	75,000	
	<b>Total</b>				<b>1,350,000</b>	

Table 4-4: Implementation schedule for social measures

SN	Activities	Nos. of event	2024												2025						Remarks/ Targeted people						
			11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4		5	6				
1	Awareness/ Orientation/Training on SEA/SH, GBV																										
i	Awareness on domestic violence (Mental and Physical Abuse)	3																									Local people





SN	Impact	Mitigation Measures	2024												2025					
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6
4	Noise pollution	Instrumental analysis				■		■		■		■		■		■		■		■
5	Spoil disposal	Proper Supervision			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6	Borrow pits	Excavation as specified, Reclamation and rehabilitation			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
7	Road Traffic safety	Installation of safety sign boards, campaigning					■			■			■			■			■	
8	Campsite monitoring	Supervision			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9	Occupational Health & Safety	Safety awareness programme, PPE				■			■			■			■			■		
10	Solid Waste Management	Disposal practise, 3R principle wareness for worker			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
11	Loss of vegetation; greenery promotion	Road side plantation						■	■	■	■	■	■	■	■	■	■	■	■	■
12	Quarry sites	Excavation as specified, Reclamation and rehabilitation			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

#### 4.7 Environmental & Social Monitoring

Environmental and social monitoring is an essential tool to make ensure the implementation of mitigation measures and to know the effectiveness of those measures. ESMP monitoring is necessary for the following purposes;

- to track the impacts,
- to evaluate the effectiveness of proposed mitigation measures, and
- to suggest improvements, if any new circumstances arise.

The following table summarizes the plan for environmental and social monitoring for the proposed project;

**Table 4-6: Environmental & Social Monitoring Plan**

SN	Monitoring Aspects	Location	Parameters	Methodology	Frequency	Responsibility
<b>A Construction Phase</b>						
1.	Air quality monitoring	Settlement areas near road alignment	At least TSP; PM <sub>10</sub> /PM <sub>2.5</sub>	Air Sampler / Detector	Quarterly	DSC
2.	Noise Levels	Settlement areas near road alignment	Average noise levels (L <sub>eq</sub> )	Noise Meter / Android Application	Quarterly	DSC
3.	Water Quality	Near disposal site and Campsite	Parameters as per ESMF of the project	Laboratory Analysis	Quarterly	DSC
4.	Spoil Disposal	Along road alignment	Spoil tip sites; road sections where haphazard dump of spoil material, rehabilitation of the sites	Site verification	Every Month	DSC, PIU
5.	Road Traffic safety	Along road alignment	Status of road for use; road accidents records, Management of diversion, traffic signboards, flow of existing traffic, accessibility to the locals, grievances etc.	Use of Logs; Records of complaints	Every Month	DSC, PIU
6.	Camp site monitoring	Campsite	Space for workers; Potable water; Sanitation facilities; waste management, First Aid, rehabilitation after closure of the camp sites etc.	Site verification; records of provisions of WASH materials;	Every Month	DSC, PIU
7.	Occupational Health & Safety	Active construction sites; camp site	Provision/Use of PPEs; First Aid/treatment; Awareness/orientations conducted for workers	Site verification; records of supply of PPEs; records of events	Every Month	DSC, PIU
8.	Solid Waste Management	Camp site and along the alignment and other construction areas	Types of waste generation, quantity, disposal practice	Observation	Every Month	DSC, PIU
9.	Loss of vegetation; greenery promotion	Active construction sites; road sections passing through	Site clearance at vegetated areas; plantation works, maintenance etc. as per EMP.	Site verification; records of trees cut; records of newly	Every Month	DSC, PIU

SN	Monitoring Aspects	Location	Parameters	Methodology	Frequency	Responsibility
		vegetated area		planted trees		
10.	Impact upon physical structures due to vibration of heavy machinery	Along the alignment	Public and private structures affected/cracks shown, loss of business, rehabilitation and relocation, etc.	Site verification, observation, documents in place.	Every Month	DSC, PIU
11.	Quarry sites	All the quarry sites	Land slide, water logging, impact upon public, impact upon water bodies, dust, impact upon physical structures, complain and grievances, rehabilitation of the sites etc.	Observation	Every Month	DSC, PIU
12.	Borrow pits	All the borrow pits excavated for the project	Land slide, water logging, dust, and impact upon private land, impact upon physical structures, complain and grievances, rehabilitation of the sites etc.	Observation	Every Month	DSC, PIU
13.	GBV and SEA/SH	Work sites; settlement areas near camp site	Laborers' records; Cases of GBV in relation to project works; any unrecorded cases	Community consultation; GRM records	Every Month	DSC, PIU
14.	Other facility sites established by the contractor	Project area		Observation	Every Month	DSC, PIU
<b>B Operation &amp; Maintenance Phase</b>						
1	Road stability	Road alignment	Status of slopes along road alignment; status of road components	Site verification; ward records; traffic police office records	Every 3 months - 1 <sup>st</sup> year; Bi-annually after that	DSC, PIU
2	Water pollution	Surface flows (natural drainages & irrigation canals)	Parameters as per standards (Annex 4)	Laboratory Analysis	Every 6 Months	DSC, PIU
3	Vegetation/tree survival rate	Plantation sites	Number of surviving trees; status of planted trees	Site verification; interaction with road-side communities	Every 6 Months	DSC, PIU
4	Road safety	Road alignment and	Road accidents; status of road	Site verification;	Every Month	DSC, PIU

<b>SN</b>	<b>Monitoring Aspects</b>	<b>Location</b>	<b>Parameters</b>	<b>Methodology</b>	<b>Frequency</b>	<b>Responsibility</b>
		adjacent settlements	components	interaction with road users		

Monitoring activities during O&M Phase will need to be scheduled based and site requirements. Contractor will be responsible for monitoring during DLP period. After the DLP period, Sundarharaicha municipality will be responsible for the Operation and Maintenance phase of sub project.

## 5. STAKEHOLDER ENGAGEMENT AND INFORMATION DISSEMINATION

### 5.1 Stakeholder Engagement

The local community, ward offices, Sundarharaicha Municipality Office, water supply user committees, local businessmen, labourers and farmers were consulted during the preparation of the ESMP. There is no any culuster of IPs present with in the project area. The project area having mixed group of settlement. The details are presented in below **Tables**. The main objectives of these consultations were to make the public aware on environment and social issues, incorporate the issues/mitigations to be included in ESMP report. The consultation related minutes are attached in **Annex-II**.

Focused group discussions (FGDs), formal consultation meetings, and Key informant interview (KII) were used to engage as many locals as possible during the public consultation process. The details of design aspects of the road, social & environmental safeguards, and GBV aspects were discussed during the public consultations. The list of people and institutions consulted are given in table below.

*Table 5-1: Caste and Sex details during consultation*

SN	Category	Participants Details Gothgaw marga			Remarks
		Male	Female	Total	
1	Brahman	120	39	159	
2	Kshetri	46	18	64	
3	Tharu	2	2	4	
4	Newa: (Newar)	18	5	23	
5	Rai	9	12	21	
6	Tamang	5	0	5	
7	Yakthung/Limbu	3	2	5	
8	Bishwokarma	4	3	7	
9	Pariyar	1	3	4	
10	Giri	3	0	3	
11	Bhujel	0	0	0	
12	Gurung	3	0	3	
13	Majhi	6	3	9	
14	Bardewa	1	0	1	
15	Magar	4	0	4	
16	Other (Jogi)	10	2	12	
<b>Total</b>		<b>235</b>	<b>89</b>	<b>324</b>	<b>Nos.</b>
<b>%</b>		<b>72.5</b>	<b>27.5</b>	<b>100</b>	

*Table 5-2: List of Consulted people during field study:KII*

SN	Name	Organization	Date	Consultati on type	Remarks
1	Bhuwansingh Magara	Ward Chairperson of 7	Asar 19,2080	KII	
2	Sitadevi Adhikari	Ward Member of 7	Asar 19,2080	KII	
3	Sharda Biswakarma	Ward Member of 7	Asar 19,2080	KII	

SN	Name	Organization	Date	Consultation type	Remarks
4	khusilal Chaudhary	Ward Member of 7	Jesth 27,2080	KII	
5	Mit kumar Gurung	Ward Member of 7	Asar 19,2080	KII	
6	Matrika prasad chaulagain	President, Gothgaun Tole bikash samiti	Asar 19,2080	KII	
7	Khem Prasad Neupane	Ward Chairperson of 8	Jesth 27,2080	KII	
8	Roshan Nath Upreti	Ward Member of 8	Jesth 27,2080	KII	
9	Gajendra Bhattra	President, Salakpur khanepani	Jesth 27,2080	KII	
10	Kuma devi dahal	Ward member of 8	Asar 19,2080	KII	
11	Shusila karki	president, Naari bikash samiti	Asar 9, 2080	KII	
12	Taara poudel	Koshaadhyaksh, Naari Bikash samiti	Jesth 27,2080	KII	
13	Lok Prasad Sanghrola	Purba Mananiya, ward 8	Asar 22,2080	KII	
14	Krishna bdr bhattra	vice- president, Nirman samiti	Asar 22,2080	KII	
15	Lok Prasad Sanghrda	Former Elected member, Parliament	Asar 22, 2080	KII	
16	Jeevan kumar Rai	Formar Ward chair, Ward 6	Asar 22, 2080	KII	IP

**Table 5-3: List of Consulted people during field study: FGD and Meetings**

SN	Organization	Date	Consultation type	Remarks
1	Consultation with ward 8 member & Locals	7 Asar, 2080	FGD	
2	Consultation with Gothgaun chowk Locals	19 Asar, 2080	FGD	
3	Consultation with ward 7 member & Locals	19 Asar, 2080	FGD	
4	Consultation with Tulasa Chowk Locals	19 Asar, 2080	FGD	
5	Consultation with Biswabidhyalaya Chowk Locals	19 Asar, 2080	FGD	
6	Consultation with Deuba & subba tole Locals	19 Asar, 2080	Meeting	
7	Consultation with Deuba & subba tole Locals	19 Asar, 2080	Meeting	IP including mixed group
8	Consultation with Sundardulari khanepani upbhokta samiti	29 Asar, 2080	Meeting	
9	Consultation with Salakpur khanepani upbhokta samiti	29 Asar, 2080	Meeting	

SN	Organization	Date	Consultation type	Remarks
10	Consultation with Women Group	2080/08/28	Meeting	Women
11	Consultation with IPs	2080/08/29	Meeting	IP

Below tables shows the composition of participants, issues discussed during consultations and responses from the project side.

**Table 5-4: FGD and Meeting details during stakeholders' consultation**

SN	Date	Consultation type	Compositions of participants	Issues raised	Response from Project
1	7 Asar, 2080	Consultation with ward 8 member & Locals	21 people of ward 8 participated	Discussed about ESMP, ROW, Electricity pole,	Concerns about pole shifting included in DPR
2	19 Asar, 2080	Consultation with Gothgaun chowk Locals	17 people of ward 7 participated	Discussed about ESMP, Suggest the issues related to environment and social aspects.	The discussed issues were included in DPR of Project.
3	19 Asar, 2080	Consultation with ward 7 member & Locals	17 people of ward 7 participated	Discussed about ESMP,	The discussed issues were included in DPR of Project.
4	19 Asar, 2080	Consultation with Tulasa Chowk Locals	17 people of ward 7 participated	Discussed about ESMP, Suggest the issues related to environment and social aspects.	The discussed issues were included in DPR of Project.
5	19 Asar, 2080	Consultation with Locals	17 people of ward 7 participated	Discussed about ESMP, Dust, ROW, GBV, Trainings, Management of Construction materials	The discussed issues were included in DPR of Project.
6	19 Asar, 2080	Consultation with Deuba & subba tole Locals	16 people of ward 8 participated	Discussed about ESMP.	The discussed issues were included in DPR of Project.



SN	Date	Consultation type	Compositions of participants	Issues raised	Response from Project
7	21 Asar, 2080	Consultation with Locals of Biswobidhalaya tole.	14 people of ward 8 participated	Discussed about ESMP.	
8	29 Asar, 2080	Consultation with Sundardulari khanepani upbhokta samiti	11 people of ward 8 participated	Discussed about EMSP, Suggest the issues related to environment and social aspects	The discussed issues were included in DPR of Project.
9	29 Asar, 2080	Consultation with Salakpur khanepani upbhokta samiti	9 people of ward 7 participated	Discussed about ESMP, Suggest the issues related to environment and social aspects	The discussed issues were included in DPR of Project.
	2080/08/28	Meeting	Women group (14nos.)	Discussed about EMSP, Suggest the issues related to environment and social aspects, Dust and noise pollution	The discussed issues will be included in DPR/ESMP of Project
	2080/08/29	Meeting	IPS (15nos., Magar Community)	Dust Management, ROW is clear, no Trees and Houses with in alignment	The discussed issues will be included in DPR/ESMP of Project

**Table 5-5: Consultation held (KII-Gothgaun Marga)**

Date	Consultation type	Composition of participants	Issues raised	Response from Project
Asar 9, 2080	Key Informat (Gothgaun)	President, Naari bikash samiti	Cybercrime present with in municipality, necessity of awareness activities about cybercrime, No any structures will be damaged due to upgrading of road, there is only event of domestic violence.	Awareness program will be planned.
Jesth 27,2080	Key Informat (Gothgaun)	President,Salakpur khanepani	No disturbance for water supply line, The name of the project was listened since 4 years but there is no any construction works begins, thus construction work need to be fastened.	Construction Work will commenced near future.

Date	Consultation type	Composition of participants	Issues raised	Response from Project
Asar 02, 2080	Key Informat (Gothgaun)	Ward Member of 8 and judicial committee member	Road needs to be upgraded fast, we are hearing it from long time but no any construction works started, no any social and environmental related issues, GBV related issues were less reported.	Construction Work will commenced near future, Awareness related works will plan.
Jesth 32, 2080	Key Informat (Gothgaun)	Ward Chairperson of 8	Road needs to be upgraded fast, ward Will help for any matter, No any trees, animals, Houses and land will be affected.	Construction Work will commenced near future
Asar 20, 2080	Key Informat (Gothgaun)	Subba tole, ward 8 (Aama Samuha)	Movement of students and farmers	
Asar 19, 2080	Key Informat (Gothgaun)	Chairperson, Shree panchayan Mandir Fothgaun	Dust Management, Street light, Plantation	Regular sprying of water during construction, Provision of street light.
Asar 19, 2080	Key Informat (Gothgaun)	Locals of Tulsa chowk, Ward-7	Footpath, Speed braker, Quality work, Street light, Zebra crossing.	Included in DPR for footpath, street light, zebra crossing as well as quality work maintaining standards.
Asar 19, 2080	Key Informat (Gothgaun)	Ward Chairperson of 7	ROW is clear, no Trees and Houses with in alignment.	

### Mass Consultation and issue raised during Consultation

The mass consultation of both roads was carried out to gather information and interact local people to implementation process, procedure and community roles and responsibilities during and after construction as well as preparation phase. The mass consultation was carried out ward wise basis, altogether two mass consultations were conducted. The details participants of mass consultation are presented in **Table 5-6** and related minutes are attached in **Annex-II**. Public engagement has been considered as one of the key tools to ensure the safeguards aspects of the project. Hence, public consultation will be taken as a regular process during the construction phase as well.

*Table 5-6: Mass consultation participants Details*

SN	Ward No.	Name of the Road	Participants Details			Remarks
			Male	Female	Total	
1	7	Chandranagar Gothgaun	77	26	103	
2	8	Chandranagar Gothgaun	39	9	48	
<b>Total</b>			<b>116</b>	<b>35</b>	<b>151</b>	

**Summary of Consultations:** The people raised their voices about improvement of road in fast and efficient way. Also, they raise voices about the road width and elements of roads. They also raised their voices as road survey was done 2-3 time before by different organization but there is no any works started till now. Existing track is wider than required proposed width, so there will be no need of new land and private assets, People in the project area have shown their commitment to supporting the project. There is no other objection except the completion of construction on time and maintaining specified quality.

## 5.2 Information Dissemination

All details regarding the suggested activities and their anticipated outcomes would be made available to the impacted people and other stakeholders. The project will make all necessary disclosures during each step of the project cycle in cooperation with the relevant municipal authorities, NGOs, and other community groups. In order to mutually identify relevant protective or corrective measures, agencies working for environmental and social elements will also be notified about the ongoing and planned activities. The following strategies will be used to ensure that information is available to all parties involved throughout the project cycle.;

- Mass Media: Use local media like newspaper, radio and TV.
- Meeting/Workshops
- Distribution of project documents: Certain project documents will be disclosed in Nepali (or other relevant local language). Project-related information materials will be distributed prior to each construction work to local officials, local people, stakeholders and other concerned offices like municipality, Ward, Tole Committee etc.
- Publish ESIA/ESMP, information about grievance mechanism and other project related activities in the municipality's website.

An Information Centre will be established at the municipality office during implementation to disseminate all the documents related to the project activities. Based on the public information disclosure policy, PCO and the municipality will disclose the information through its website. The information dissemination plan for proposed Road sub project is presented in **Table 5-7**;

**Table 5-7: Information Dissemination Plan**

Means of Communication	Timeline & Frequency	Responsibility	Resources
Municipality Website (Project details, ESMP, GRM)	At the start of the project, & maintained throughout	PIU/ Information Officer	Information Officer
Newspaper and local Radio (project salient features, dates, GRM etc.)	Project implementation phase Weekly basis	PIU, municipality Information Officer	Radio-program, FM Radio Clip
Project leaflets and Fact Sheet,	Project details, Implementing agencies, project period - 2 times	PIU, Information Officer	Double-sided colour A4 (500 copies)
Face to face engagements - meetings, focus group discussion with relevant stakeholders	Project Main Activities, Financial Assistance, Implementing agencies, project period etc. 2 time in year	PIU, Information Officer	
Ward offices and Municipal social section/Library (Hard copy of ESMP)	Project period- 2 times	PIU/Municipality	Focal person

## 5.3 Public/Community Consultation Plan

During project implementation phase, all consultations on social and environmental issues will be conducted in a way that includes women and vulnerable social groups (such as low-income households,

members of certain castes, and people with disabilities, among others). Details of the Project Consultation Plan are presented in **Table 5-8**.

**Table 5-8: Stakeholder consultation Plan**

Objective and Target Goal	Method	Responsibility
<b>I. Build Local Ownership</b>		
Introduce Project DPR Report and its components	Group Meeting/Workshops	DSC/ Municipality
Maintain efforts for two-way communication with relevant stakeholders through the project	Face to face meeting with concerned stakeholders	DSC, Ward Level Representatives.
<b>II. Start Consultation Process with Potentially Affected Communities by construction and operation of road</b>		
Identify communities to be potential affected by project	Electronic and face to face communication with relevant stakeholders and implementing agencies	DSC, Municipality Ward Representatives
Consult with community representatives and ensure that their concerns with the proposed project are addressed	Face to face meeting with community representative Meeting will take place following protocol for meeting.	DSC, Municipality Ward Representatives
Ensure that the views and needs of vulnerable segment (if required) of communities, including but not limited to poor, women, elderly, and are addressed by the subproject	Face to face meeting with affected communities' representative (including social officer of Municipality, women's representative etc.)	DSC, Municipality Ward Representatives.
<b>III. Implementation Phase</b>		
Maintain effective communication with PIU	Electronic and face to face communication with representative of relevant agency /organization	Design and Supervision Consultant Municipality Ward Representatives
Raise awareness of project activities among potential beneficiaries	Media advertisements and targeted campaign	DSC/ Municipality
Maintain consultation process with a potential affected communities and beneficiaries	Face to face meeting with affected communities' representative (including social officer of Municipality, women's representative etc.)	Design and Supervision Consultant Municipality Ward Representatives
Monitoring and evaluation community involvement	Face to face meeting with affected communities' representative	Design and Supervision Consultant Municipality Ward Representatives
Reports outlining progress of activities related to engagement and communication	Collation of progress report, self-evaluation by PCO	DSC/ MuSEAnicipality
Agreement on operation and maintenance system	Electronic or face to face communication with relevant stakeholder Face to face meeting with	Design and Supervision Consultant Municipality Ward Representatives

Objective and Target Goal	Method	Responsibility
	local authority	
Implementation of ESMP	The contractor will prepare the various standalone plans to comply with ESMP requirements By including all the stand alone plans, the contractor will prepare Contractor’s Environmental and Social Management Plan (C-ESMP) and submit it to PIU. This requirement will be included in the contract BOQ	The contractor's bid document must include the requirements outlined in the ESMP. Before work starts, the contractor will draft the stand-alone plans, present them to the PIU, and get permission. The standalone plan comprises, among other things, a management plan for the environment, health, and safety; a strategy for traffic; a plan for handling complaints; a plan for managing spoils; a plan for disaster readiness; a plan for managing camps; a plan for managing labor; and a plan for managing air, water, and noise.

#### 5.4 Grievance Redress Mechanism (GRM)

As part of the implementation stage the PIU, the project municipality, project engineers and Environment and Social staffs will directly interact and consult with the project affected persons.

The affected persons and groups identified above will be able to raise any grievances related the relocation of the above assets with the subproject grievance redress mechanism (GRM), to help ensure the successful implementation of resettlement measures. At first instance, the project-affected grievant should raise their grievance with the information office of the project, and the information office will determine whether it can be resolved within the project, at the ward level, or whether another mechanism should be used. PAPs will be exempt from all administrative fees incurred, pursuant to the grievance redressed procedures except for cases filed in court. More details regarding the GRM are discussed in the following sections.

##### 5.4.1 Structure of the GRC

Two-level Grievance Redress Committee (GRC) has been formed for the sub-project. The composition of the proposed GRC is given below. The GRC formation related municipality letter is attached in **Annex-II**.

- a. The first level of GRC sits at the project site level. It is composed of the following team:

Chairperson of ward 8 Mr Khem Prasad Magar	– Coordinator/Member
Chairperson of ward 7 Mr Bhuwon Singh Magar	– Member
Dalit Member, ward-7, Shree Sarada Biswokarma	-- Member
Tole chair, Gothgaun tole, Shree Keshab Kumar Bhattarai	--Member
Ward office staff, Ward-7, Mr. Sujit Magar	--Member
Representative from the DSC (Supervision Engineer/Social/Environmental Specialist)–Member Secretary	

- b. The second level GRC has been formed at the municipality level and it will comprise of the following:

Mayor Shree Kedar Prasad Guragai	– Coordinator
Deputy mayor Shree Akali Chaudhary	– Member
CAO, Shree Ambika Prasad Chaulagai	– Member
NUGP focal person Mr. Sunil Adhikari	--Member
Municipality's Grievance Officer, Mr Gunnidhi Dahal	– Member
Municipality's Social Development Officer, MRs Shanta Ghimire	– Member
Team leader or a representative from DSC	– Member-secretary

- c. The third level GRC will be established in PCO Level.

#### **5.4.2 Processes of the GRM**

Grievances shall be submitted through various mediums, including in person, in written form to a noted address, through a toll-free phone line or through direct calls to concerned officials, and emails. The PCO will appoint a person (Operator) at PCO- Kathmandu to receive such calls and online messages. The person (Operator) based on nature of complaint, will forward the same to the information office or ward committee.

A ticket or a unique number will be generated for all such call, messages and letters. The complainant will follow up based that unique number with Operator at PCO-Kathmandu. All complaints will be responded within two weeks at any level. In case response is not received from 1st level within 15 days, the complaint will be escalated to next level. If complaint remains unaddressed at 1st and 2nd within maximum 30 days after registering the compliant, it will be elevated to 3rd level at PCO level. The PCO within 7 days of time should instruct the concerned person at Sundarharaicha municipal level to arrange for a hearing within maximum 5 days of time. Effort will be given by all levels of GRCs to conduct hearing and resolve the concern at their level up to the satisfaction of complainant within the stipulated timeframe. In case 1st and 2nd level GRCs are unable to resolve the concern up to the satisfaction of complainant, these GRCs' or Complainant may approach to 3rd level of GRC at PCO Level. After conducting hearing at any level of GRC, the decision will be communicated to complainant within maximum 30 Days of time.

All local contact information and options for complaint submission will be available on site, on Toles, Wards, municipality office, PCO on information boards and the project municipality websites. A half yearly report on Grievance Redress by the subproject project will be prepared and will be sent to the project municipality's GRCs by Wards' GRCs and ultimately to GRC of PCO. The PCO will forward the same to the World Bank.

The project GRM will include a process for addressing any SEA/SH-related grievances, including the appointment of a focal person to specifically address SEA/SH cases and to provide training/orientation on SEA/SH cases.

#### **5.4.3 Further details of the GRM**

The functions of grievance mechanism include redressing grievances of community / beneficiaries /project affected persons in all project respects, providing rehabilitation and resettlement assistance and

related activities, and hearing grievances from workers involved in the project at any level or phase. The system will be established to report back to the concerned community or persons regarding the decision on the complaint. The grievances related to women will be dealt by women officer. As required, the social mobilizers will be recruited. GRC will deal/hear the issues related to Environment, R&R and individual grievances and will give its decision/verdict within 30 days after hearing the aggrieved person. The final verdict of the GRC will be given by the Head of GRC in consultation with other members of the GRCs and will be binding to all other members. No any grievances has been registered till to date. Potential grievances which may need to be addressed are listed below:

- Access to resource /utility/facility
- Ambient air and noise Quality
- Impact on water quality/resource
- Grievance from vulnerable community
- Gender related issues
- Grievances from workers
- Safety and risk repeated to project development

#### **5.4.4 Other Mechanisms for Grievance Redress**

All complainants have the option to approach court/judiciary or the World Bank's Grievance Redress Service in case he or she is not satisfied with the verdict provided.

## **6. LIST OF REFERENCES**

- Environment Protection Act, Government of Nepal, 2019
- Environment Protection Regulations, Government of Nepal, 2020 (and amendments)
- Environmental and Social Management Framework, Nepal Urban Governance and Infrastructure Project, August 2020, the World Bank
- Final Detailed Project Report on Upgradation of Gothgaun Chiuramil Purwanchal Biswabidhyalaya Gothgaw Road, Sundarharaicha Municipality, July/August 2023.
- Nepal Human Rights Year Book 2023, Informal Sector Service Center (INSEC), Kathmandu.
- Project Implementation Manual, Nepal Urban Governance and Infrastructure Project, December 2022, the World Bank
- <https://censusnepal.cbs.gov.np>
- <https://sundarharaichamun.gov.np/>



## **7. LIST OF ANNEXES**

Annex I: Environmental and Social Screening Checklists

Annex II: Minutes, Public Notice and Letters

Annex III: Proposed Typical Cross Sections & Quarry Site

Annex IV: GoN Permissible Environmental limits/standards

Annex V: Air, Noise and Water Quality Test Report

Annex VI: List of Zebra crossings, and Ramp

Annex VII: Code of Conduct (CoC) on GBV

Annex VIII: Photographs

## Annex I: Environmental and Social Screening Checklists

Checklist for Environmental Screening					
SN	Particulars	Yes	No	Can't Say	Remarks
1	Is the site vulnerable to major or induced hazards such as: Landslides, Flooding, Storm surge, Severe wind damage, Earthquakes, Fire, Explosion, Other (specify)	✓			Possibility of Earthquake Natural Disaster.
2	Is the project area adjacent to or within any of the following environmentally sensitive areas?				The project area is not within any environmentally sensitive area.
	· Cultural heritage site (historical, religious, traditional, or cultural significance)				
	· Protected Area (National Parks, Wildlife Reserve, Hunting Reserve, Conservation Areas, and Buffer Zones etc.)				
	· Wetland/Ramsar Site/Simsar		✓		
	· Forest				
	· Special area for protecting biodiversity/interest				
	· Breeding/nesting ground of wildlife/occurrence of migratory species				
· Migration route/Wildlife corridor					
· Any site of national or international importance					
3	Likely impact on trees (including Timber & fruit bearing) and vegetation cover		✓		
4	Possibility of degradation of land and ecosystems of surrounding?		✓		Town Area/residential area
5	Is the project area densely populated?	✓			ESMP measure applicable
6	Heavy with development activities/big industries nearby & type?		✓		
7	Alteration of surface water hydrology of waterways due to the project resulting in increased sediment in streams affected by increased soil erosion at construction site?		✓		
8	Chance of deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction		✓		
9	Does the sub project require significant extraction of surface or ground water?		✓		

Checklist for Environmental Screening					
SN	Particulars	Yes	No	Can't Say	Remarks
10	Increased risk of water pollution from oil, grease, fuel spills and other materials		✓		
11	Impact on water quality due to release of sewage/sludge?		✓		No sewerage connected to storm water drainage
12	Possibility of flooding due to sewage		✓		
13	Possibility of increased air pollution during preconstruction/ construction/operation phase?	✓			ESMP measure applicable
14	Other pollution concerns relating to inconveniences in living conditions that may trigger cases of upper respiratory problems?	✓			ESMP measure applicable
15	Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological hazards during project construction and operation	✓			ESMP measure applicable
16	Noise and vibration due to blasting and/or other civil works?	✓			ESMP measure applicable
17	Possibility of poor sanitation and solid waste disposal	✓			ESMP measure Applicable
18	Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?		✓		
19	Accident risks associated with pre construction, construction & operation phases of project	✓			ESMP measure Applicable
20	Large population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)		✓		The rise in outside workers is expected to put strain on already-existing natural resources including water, food supply, and educational facilities as more people move in during the construction phase
21	Risks to community health and safety due to the transport, storage, and use and/or disposal of materials such as explosives, fuel and other chemicals during construction and operation?	✓			Only brings short term impact during construction, ESMP measure Applicable
22	interference with other utilities and blocking of access to resource/utility	✓			Only brings short term impact during construction, ESMP measure Applicable
23	Generation of solid waste and/or hazardous waste during construction/ operation of project?	✓			Only brings short term impact during construction

Checklist for Social Screening		
SN	Particulars	Details/Remarks
1	<b>Proposed Site Location</b>	Sundarharaicha Municipality, ward no 8 and 7, <b>Morang, Province Koshi, Nepal</b>
	a Land requirement for the project	It is an up-gradation of existing road. Existing road width is enough for the upgradation. so no additional land is required. (ROW was declared in 2015AD during preparation of DTMP of former two municipalities)
	b Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public.
	c Is the project requiring acquisition of Govt. land/structures? If yes please mention the area of land, number of affected structures, Households	No
	d Present use of Govt. Land that will be used for the project activities with Persons/Households using	No
	e Is the project require acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	Existing road width is greater than proposed Construction width (13m).
	f Present use of Govt. Land that will be used for the project activities with Persons/Households using <ul style="list-style-type: none"> <li>ü Agricultural purposes</li> <li>ü Residential purposes</li> <li>ü Commercial purposes</li> <li>ü Other purposes (Indicate)</li> </ul>	No
	g Is the project require relocation of encroachers/squatters If yes please elaborate number and nature	No
	h Is the project requires relocation of community facilities/Govt. establishment or any object that are of religious, cultural and historical significance	Yes (Electricity pole)
	i Proposed project located in an area where residents are- <ul style="list-style-type: none"> <li>· All Mainstream</li> <li>· All Indigenous peoples</li> <li>· Majority Mainstream or Non-indigenous peoples</li> <li>· Majority Indigenous peoples</li> </ul>	Majority Mainstream
2	Potential Social Impacts- Will the Project cause	

Checklist for Social Screening		
SN	Particulars	Details/Remarks
a	Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No
b	Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	There is no adverse impact to poor, women, children, Indigenous Peoples or other vulnerable households in the project area.
c	Will community facilities require relocation?	Yes (Electricity pole)
d	Will the sub-project disturb any traditional activity on adjoining or nearby?	No
e	poor sanitation and solid waste disposal in construction camps and work sites	Yes, A influx of individuals is expected while construction is underway. The pressure on already available natural resources, including water, food supply, and the solid waste system, is projected to increase as the number of employees rises.
f	Possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	Yes, Orientation and awareness to the workers and community to mitigate the impacts
g	Large population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)?	Yes, Pressure upon existing natural resources such as water, existing food availability, existing educational facilities are likely to be affected with the increase in the number of outside workers
h	Social conflicts relating to inconveniences in living conditions where construction interferes with preexisting roads	The primary sources of income for the project's people are businesses, agriculture, and livestock. Other activities, except commercial activities, shall not be impacted by excavation and construction activities along the project area during the project construction works. While the commercial operations will be strengthened and multiplied during the implementation phase
i	Describe any other impacts that have not been covered in this screening form	No permanent structure lies within the ROW of indigenous people, hence there is no adverse impact on indigenous group, GBV, Impact on water supply lines, electric poles.
j	Describe alternatives, if any, to avoid or minimize displacement from private and public lands	No displacement of private and public land is required
k	RAP/ARAP Requirement	Not required

## Annex II: Minutes, Notice and Letters



# सुन्दरहरैँचा नगरपालिका

## SUNDARHARAINCHA MUNICIPALITY

### नगर कार्यपालिकाको कार्यालय

#### Office of Municipal Executive

विराटचोक, मोरङ  
Biratchowk, Morang  
कोशी प्रदेश, नेपाल  
Koshi Province, Nepal



F/Y प.सं. ०७९/०८०  
Ref/च.नं. ५१५५

मिति: २०८०/०३/२८

विषय : सडकको Right of way तोकिएको सम्बन्धमा ।

श्री नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना,  
आयोजना समन्वय कार्यालय, चवरमहल, काठमाडौं ।

प्रस्तुत विषयमा विश्व बैंकको आर्थिक सहयोग र नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना काठमाडौं मार्फत यस नगरपालिकाको वडा नं. ६, ७ र ८ मा आयोजनाहरू कार्यान्वयन चरणमा पुगिसकेको व्यहोरा अवगत नै छ । उक्त आयोजना मार्फत निर्माण हुने सडकको Right of Way को सम्बन्धमा तत्कालीन कोशीहरैँचा नगरपालिका र सुन्दरदुधारी नगरपालिकाको MTMP-2015 ले सडकहरूको मापदण्ड (Right of Way) तपसिल बमोजिम निर्धारण गरेको व्यहोरा अनुरोध छ ।

तपसिल:

S.N.	Name of Road	Right of way (from Center)	Length	Remarks
1	Chandranagar-University Main Gate (0+000 to 2+020)	15m	4.737 Km	At the time of MTMP 2015, both section were different as they lies on Koshiharaincha and Sundardulari Municipality respectively but now both lies on same municipality and named as Chandranagar-University Main Gate-Gothgaun Chowk
2	University Main Gate-Gothgaun Chowk (2+020 to 4+737)	30m		
3	Maheshwor Subba Marga-Latijhoda	30m	5.030 Km	At the time of MTMP 2015, this section of road lies at Sundardulari municipality

"सुन्दरहरैँचाको पहिचान : समृद्धि र सुशासन"

Phone No.: 021-545050, 545822, 546822, Fax: 021-545822, Fire Brigade: 021-545666, 021-546666  
Website: [www.sundarharainchamun.gov.np](http://www.sundarharainchamun.gov.np), Email: [sundarharainchamun@gmail.com](mailto:sundarharainchamun@gmail.com)

सुन्दरहरैँचा नगरपालिका  
नगर प्रशासकीय अधिकारी

RoW Declaration Letter





### Road List with Hierarchy

SN	Municipal Code	Road Code	Class	Road Name	Wards Passed	ROW (in m)	Length (in km)
1	05M05A001	A001	A	Bansbari to budhi river	4, 6, 10, 11	30	9.29
2	05M05A002	A002	A	Triveni Marga	4, 6, 7, 10, 11	30	5.32
3	05M05A003	A003	A	Maheswor Marga	4, 7, 10	30	4.52
4	05M05A004	A004	A	Belgachi Marga	2, 8	30	3.17
5	05M05A005	A005	A	Gothgaun Road	1, 2	30	2.08
6	05M05A006	A006	A	Malati Marga	1, 8	30	2.88
7	05M05A007	A007	A	Gachiya-Barmajhiya-Gherabani-Lochani to Gachiya	8, 9	30	5.22
8	05M05B001	B001	B	Arjun Nursery to Gaushala to Janachetana	6, 11	20	1.82
9	05M05B002	B002	B	Chakrapath	4, 5, 6	20	7.15
10	05M05B003	B003	B	Namuna Marga	2, 3, 4	20	3.74
11	05M05B004	B004	B		2	20	0.78
12	05M05B005	B005	B	Thadiya Mrigauliya Road	1	20	2.26
13	05M05B006	B006	B	Kajilal to lawati	8, 9, 10, 11	20	4.88
14	05M05B007	B007	B		1, 8, 9	20	1.81
15	05M05B008	B008	B	From Gachiya to Gherabani	8, 9, 10	20	5.29
16	05M05B009	B009	B	road to masanghat	9, 10	20	1.81
17	05M05B010	B010	B	Bidhe Tesro Bato	1, 2	20	2.10
18	05M05B011	B011	B	road from sikkime chowk to Bharjana bridge	3, 4, 7	20	1.84
19	05M05B012	B012	B	Road to Budhikhap	5	20	0.53
20	05M05C001	C001	C	Belgachi hulaki road	8	15	1.22
21	05M05C002	C002	C	Madhyali Marga	1	15	1.55
22	05M05C003	C003	C	Dhadima PS to Panchayat SS	1	15	0.36
23	05M05C004	C004	C	From Gherabani chautara to budhi koirala home	9	15	0.86
24	05M05C005	C005	C	from choudhary tol to thapa basti	9, 10	15	0.54
25	05M05C006	C006	C	Peshkar Marga	10	15	1.03
26	05M05C007	C007	C	Nanilal Marga	10	15	0.55
27	05M05C008	C008	C	Badahara Road	10	15	1.43
28	05M05C009	C009	C	Haraicha way	11	15	0.83
29	05M05C010	C010	C	Laligurash marga to charigua	11	15	0.73
30	05M05C011	C011	C	Haraicha to Gokuldharm	11	15	0.08
31	05M05C012	C012	C	Gachiya primary school jane bato	3, 4	15	1.20



# Municipal Transport Master Plan (MTMP)



COPY

**FINAL REPORT**  
2015




**Koshi-Haraicha Municipality**  
Morang

**VOLUME II**

SN	Municipal Code	Road Code	Class	Road Name	Wards Passed	ROW (in m)	Length (in km)
28	05M06C005	C005	C	From Bagjhoda to University (Ring Road)	1	15	1.39
29	05M06C006	C006	C	Devithan-Jaleswori Marga	4	15	0.37
30	05M06C007	C007	C	Shiva Marga	4	15	0.58
31	05M06C008	C008	C	Devithan Marga	6	15	0.89
32	05M06C009	C009	C	Ram janaki Mandir to Ward 15	6, 15	15	1.33
33	05M06C010	C010	C	Krishi Sadak connecting ward 6	6, 15	15	1.54
34	05M06C011	C011	C	Shimladanda Bato	15	15	0.91
35	05M06C012	C012	C	Campus Road	13	15	0.42
36	05M06C013	C013	C	Belepur Majha Tol Marga	6	15	1.27
37	05M06C014	C014	C	Bhubaneswor Tol to Mrigauliya	7	15	1.19
38	05M06C015	C015	C	Jogichaur to North ward 3	5	15	1.18
39	05M06C016	C016	C	Sayapatri Marga	14	15	0.65
40	05M06C017	C017	C	Budhabare-JanaMarga	3	15	0.35
41	05M06C018	C018	C	Krishi Marga	14	15	0.95
42	05M06C019	C019	C	Janata HSS to Hulaki Marga	13, 14	15	1.28
43	05M06C020	C020	C	Chandranagar Marga	12	15	1.18
44	05M06C021	C021	C	Chandranagar to Talpokhari	7, 12	15	1.77
45	05M06C022	C022	C	Hulaki Marga to Jogiyare to Itaha	8	15	1.77
46	05M06C023	C023	C	Beldangi Marga	11	15	1.65
47	05M06C024	C024	C	Pragati Marga	10, 11	15	1.24
48	05M06C025	C025	C	Salakpur-Bhutai Tol-Hulaki Marga	10	15	0.48
49	05M06C026	C026	C	Krishi Marga	5, 7	15	0.85
50	05M06C027	C027	C	Jogichaur to North ward 3	3	15	0.53
51	05M06C028	C028	C	Campus Marga	4	15	0.78
52	05M06C029	C029	C		9	15	1.14
53	05M06C030	C030	C		9	15	0.23
54	05M06C031	C031	C		9	15	0.14
55	05M06C032	C032	C		9	15	0.31
56	05M06C033	C033	C		9	15	0.27

Municipal Letter related to GBV, SEA/SH




# सुन्दरहरैँचा नगरपालिका

## SUNDARHARAINCHA MUNICIPALITY

### नगर कार्यपालिकाको कार्यालय

#### Office of Municipal Executive

विराटचोक, मोरङ  
Biratchowk, Morang  
कोशी प्रदेश, नेपाल  
Koshi Province, Nepal



F/Y प.सं: २०८०/०८९  
Ref/च.नं १८६१

मिति: २०८०/०६/१०

श्री शहरी शासकीय तथा पूर्वाधार आयोजना  
बबरमहल, काठमाण्डौ ।

**विषय : तथ्यांक उपलब्ध गराईएको सम्बन्धमा ।**


प्रस्तुत विषयमा यस नगरपालिका अन्तर्गतको न्यायिक समितिमा आ.व. २०७७/०७८, २०७८/०७९ र २०७९/०८० मा दर्ता हुन आएका फिरोदपत्र/निवेदनहरूको विवरण तपशिल बमोजिम रहेको व्यहोरा जानकारीका लागि अनुरोध छ ।

तपशिल :-

सि.नं.	विवादको प्रकार	आ.व. २०७७/०७८	आ.व. २०७८/०७९	आ.व. २०७९/०८०
१	लेनदेन	८	२१	७९
२	जग्गाको सीध सिमाना तथा भोगाधिकार	१८	२२	४६
३	गाली बेईज्यती	३	८	१५
४	आलीधुर, बाँध पैनी कुलो	१	१	५
५	चरन, घाँस दाउरा	०	०	०
६	ज्याला मजदुरी नदिएको	०	१	२
७	ईज्जत आमद अनुसार खान लाउन नदिएको	८	९	१३
८	बहाल नतिरेको	०	३	२
९	पशुपक्षी पाल्दा लापरवाही गरेको	३	०	२
१०	ध्वनी प्रदुषण तथा फोहोरमैला	१	१	२
११	सम्बन्ध विच्छेद	६	७	७
१२	सार्वजनिक बाटो अवरुद्ध	०	१	४
१३	आफ्नो हक नपुग्ने अरुको जग्गामा घर बनाएको	०	०	१
१४	बालीनाली नोक्सानी	०	०	३
१५	संरचना हटाई पाउँ	२	२	३
१६	जेष्ठ नागरिकको पालन पोषण तथा हेरचाह नगरेको	०	०	१
१७	आफ्नो घर वा बलेसीबाट अर्काको घर, जग्गा वा	०	१	१

"सुन्दरहरैँचाको पहिचान, समृद्धि र सुशासन"

PhoneNo.:- ०२१-५४७०५०, ५४७८२२, ५४८८२२, Fax: - ०२१-५४८८२२, Fire Brigade: -०२१-५४७६६६, ०२१-५४८८२२  
Website: [www.sundarharaichamun.gov.np](http://www.sundarharaichamun.gov.np), Email: [sundarharaichamun@gmail.com](mailto:sundarharaichamun@gmail.com)




# सुन्दरहरैँचा नगरपालिका

## SUNDARHARAINCHA MUNICIPALITY

### नगर कार्यपालिकाको कार्यालय


#### Office of Municipal Executive

विराटचौक, मोरङ  
Biratchowk, Morang  
कोशी प्रदेश, नेपाल  
Koshi Province, Nepal



F/यू प.सं: २०८०/०८९  
Ref/च.नं १८६१

	सार्वजनिक बाटोमा पानी झारेको			
१८	बाटोको विकास सम्बन्धमा	०	०	२
१९	कुटपिट	०	१	०
२०	अर्काको सम्पती हानी नोकसानी	०	२	०
२१	भवन निर्माण	१	२	
२२	अन्य	१	५	२
	जम्मा	५२	८७	१९०

  
२०८०/३१०  
ज. प्रमुख प्रशासकीय अधिकारी


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"सुन्दरहरैँचाको पहिचान, समृद्धि र सुशासन"

PhoneNo.:- 021-547050, 547822, 548822, Fax: - 021-548822, Fire Brigade: -021-547666, 021-548666  
Website: [www.sundarharaichamun.gov.np](http://www.sundarharaichamun.gov.np), Email: [sundarharaichamun@gmail.com](mailto:sundarharaichamun@gmail.com)



Letter from Area Police office, Belbari, Morang about GBV

	नेपाल सरकार गृह मन्त्रालय ईलाका प्रहरी कार्यालय (अपराध अनुसन्धान शाखा) बेलबारी, मोरङ	कन्ट्रोल: १००		
		फोन: { ०२१-५४५३९९ १८५२०९०९३७		
पत्र संख्या: ०८०/०८१	च.नं. १३३४	वेलबारी, मोरङ। प्रदेश कोशी मिति: २०८०।०६।१५ गते।		
प्रा.प.सं.:	विषय: <u>खुलाई पठाईएको।</u>			
	श्री सुन्दरहरैचा नगरपालिकाको कार्यालय बिराटचौक मोरङ।			
	प्रस्तुत विषयमा तहां कार्यालयको च.नं.१९२६ मिति २०८०।०६।२४ गतेको पत्र प्राप्त भई ब्यहोरा अवगत भयो सो सम्बन्धमा यस कार्यालयको क्षेत्राधिकार भित्र पर्ने वडा एरिया मध्ये सुन्दरहरैचा नगरपालिका भित्रमा घटेका अपराधको तत्थ्याडक पत्रमा माग भए बमोजिम शिर्षक अनुसार निम्नानुसार खुलाई पठाईएको ब्यहोरा अनुरोध गरिएको छ।			
निम्न:-				
सि.नं.	विवरण	आ.व.०७७/०७८	आ.व.०७८/०७९	आ.व.०७९/०८०
१	महिला हिंसा			
क.	मानव बेचबिखन	-	-	-
ख.	महिला शारिरीक हिंसा	-	-	-
ग.	बहु-विवाह	९	४	४
घ.	घरेलु हिंसा	४	५	७
ड.	दाईजो प्रथा	-	-	-
च.	मनसिक यातना	-	-	-
२.	यौन तथा यौनजन्य दुर्व्यवहार			
क.	जबरजस्ती करणी	१६	१५	११
ख.	जबरजस्ती करणी उद्योग	४	२	३
ग.	बाल यौन दुरुपयोग	-	५	-
घ.	यौनजन्य हिंसा	१	-	-
३.	लागु औषध			
क.	लागु औषध सम्बन्धी घटना	९	९	९

निकायालय प्रमुख  
(राजु बिष्ट)  
प्रहरी बरिष्ठ नायव निरीक्षक

Letter from NEA



## नेपाल विद्युत प्राधिकरण

(नेपाल सरकारको स्वायत्त)  
वितरण तथा ग्राहकसेवा निर्देशनालय  
कोशी प्रदेश  
प्रादेशिक कार्यालय, विराटनगर  
बेसवारी वितरण केन्द्र

पत्र संख्या: २०८०/०८१

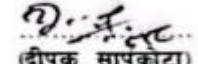
च. नं. २२३

श्री सुन्दरहरैचा नगरपालिका,  
नगर कार्यपालिकाको कार्यालय,  
विराटचोक, मोरङ ।

मिति: २०८०/०६/०८


विषय: जानकारी गराइएको बारेमा ।

उपरोक्त सम्बन्धमा तहा कार्यालयको च.नं. १६०७ मिति २०८०/०५/२७ को पत्रबाट व्यहोरा भवगत भयो । उक्त पत्रमा उल्लेख सडकहरु निर्माण हुदा सडकको दायाँबायाँ पर्ने विद्युतीय पोलहरु सार्न यस कार्यालयबाट ने.वि.प्रा.को नियमानुसार आवश्यक सहयोग र समन्वय गरिने व्यहोरा जानकारीको लागि अनुरोध छ ।

  
(दीपक सापकोटा)  
केन्द्र प्रमुख

कोष प्रमुख

## Formation of GRM (1<sup>st</sup> Level)




# सुन्दरहरैँचा नगरपालिका

## SUNDARHARAINCHA MUNICIPALITY

### नगर कार्यपालिकाको कार्यालय

#### Office of Municipal Executive

विराटचौक, मोरङ  
Biratnagar, Morang  
कोशी प्रदेश, नेपाल  
Koshi Province, Nepal



F/Y प.सं. :  
Ref. च.नं. : २६६४

मिति: २०८०/०८/१२


विषय: प्रथम तहको गुनासो सुनवाई समिति पुनःगठन गरिएको बारे ।

श्रीमान,

मोरङ जिल्ला सुन्दरहरैँचा नगरपालिका वडा नं.८ र ७(साविक कोशीहरैँचा न.पा. वडा नं.९ र सुन्दरदुलारी न.पा. वडा नं.१)मा पर्ने चन्द्रनगर, विश्वविद्यालय हुँदै गोठगाउँ चोकमा अन्त्य हुने ५.१४७ कि.मि. लम्बाई भएको सडक नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना (NUGIP) को आर्थिक लगानीमा सुन्दरहरैँचा नगरपालिकाद्वारा कार्यान्वयन हुने भएकोले उक्त सडकमा निर्माण अघि र निर्माणका क्रममा कुनैपनी प्रकारका समस्या/गुनासाहरू आए सो को सामाधानका लागि आयोजनाको मापदण्ड अनुसार तपसिलमा उल्लेखित प्रथम तह गुनासो सुनवाई समिति (Grievance Redress Committee) गठन गर्न निर्णय पेश गर्दछु।

**तपसिल**

सम्बन्धित आयोजना क्षेत्रका जेष्ठ वडा अध्यक्ष वडा नं.८ का वडा अध्यक्ष श्री खेमप्रसाद न्यौपाने	- संयोजक
सम्बन्धित आयोजना क्षेत्रका वडा नं.७ का वडा अध्यक्ष श्री भुवनसिंह मगर	- सदस्य
दलित महिला / महिला सदस्य वडा नं.७ का सदस्य श्री शारदा विश्वकर्मो	- सदस्य
टोल विकास समिती वडा नं.७ का अध्यक्ष (गोठगाउँ-विश्वविद्यालय टोल विकास संस्था) श्री केशव कुमार भट्टराई	- सदस्य
आयोजना सम्बन्धित वडा कार्यालय कर्मचारी प्रतिनिधी वडा नं.७ का श्री सुजीत मगर	- सदस्य
सामाजिक सुरक्षण / वातावरण विषेषज्ञ / सुपरभिजन ईन्जिनियर	- सदस्य सचिव

  
खेमप्रसाद गुप्ता  
नगर प्रमुख

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"सुन्दरहरैँचाको पहिचान : समृद्धि र सुरक्षा"।

Phone No.: ०२१-५४५०१०, ५४५८२२, ५४६८२२, Fax: ०२१-५४५८२२, Fire Brigade: ०२१-५४६६६  
Website: www.sundarharainchamun.gov.np, Email: sundarharainchamun@gmail.com





Public Notice related to GRC



# सुन्दरहरैँचा नगरपालिका

SUNDARHARAINCHA MUNICIPALITY  
नगर कार्यपालिकाको कार्यालय  
Office of Municipal Executive



विराटचौक, मोरङ  
Birat Chowk, Morang  
कोशी प्रदेश, नेपाल  
Koshi Province, Nepal

Ref. नं.:  
Ref. नं.:



मिति: २०८०/०८/१३

सूचना I

सूचना II

सूचना III

मिति २०८०/०८/१२ गतेका दिन यस सुन्दरहरैँचा नगरपालिकाका नगर प्रमुख श्री केदार प्रसाद गुरगाईं ज्यूको अध्यक्षतामा बसेको बैठकले विध्व बँकको आर्थिक सहयोगमा नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना (NUGIP) मार्फत स्तरोन्नति हुन लागेको यस मोरङ जिल्ला सुन्दरहरैँचा नगरपालिका वडा नं. ७ र ८ (साविक कोशीहरैँचा नगरपालिका वडा नं. ९ र सुन्दरदुलारी वडा नं. १) मा पर्ने चन्द्रनगर विध्वविद्यालय हुँदै गोठगाउँ चोकमा अन्त्य हुने ५.१४७ किलोमिटर लम्बाई भएको सडक खण्डको निर्माणका अवधिमा आउने गुनासाहरूको अध्ययन गरी स्थानिय स्तरमानै समाधान गर्न आयोजना स्तरमा वडा नं. ०८ का वडाध्यक्ष श्री खेम प्रसाद न्यौपाने ज्यूको संयोजकत्वमा निम्न उल्लेखित व्यक्तिहरू रहनेगरी एक गुनासो सुनुवाइ समिति (GRC) गठन गरीएको बारे सम्बन्धित सबैलाई जानकारी गराईन्छ । साथै आयोजना सम्बन्धि कोहिकसैलाई कुनै गुनासो भए उल्लेखित गुनासो सुनुवाइ समितिमा मौखिक वा लिखित रूपमा जानकारी गराउनुहुन अनुरोध छ ।

**तपसिल**

१. संयोजक: श्री खेम प्रसाद न्यौपाने, वडाध्यक्ष वडा नं. ८
२. सदस्य: श्री भूवर्नसिंह मगर, वडाध्यक्ष वडा नं. ७
३. सदस्य: श्री शारदा विश्वकर्मा, महिला वडासदस्य वडा नं. ७
४. सदस्य: श्री केशव कुमार भट्टराई, टोल विकास समिति अध्यक्ष वडा नं. ७
५. सदस्य: श्री सुजीत मगर, आयोजना सम्बन्धित वडा नं. ७ कार्यालय कर्मचारी
६. सदस्य सचिव: सामाजिक सुरक्षण / वातावरण विषेषज्ञ / सुपरभिजन इन्जिनियर

केदारप्रसाद गुरगाईं  
नगर प्रमुख

"सुन्दरहरैँचाको पहिचान : समृद्धि र सुशासन"

Phone No.: ०२१-५४५०५०, ५४५८२२, ५४५८२२, Fax: ०२१-५४५८२२, E-mail: ०२१-५४५६६६  
Website: www.sundarharaichamun.gov.np, Email: sundarharaichamun@gmail.com

Letter related to Anti-Harassment cell



सुन्दरहरैँचा नगरपालिका

SUNDARHARAINCHA MUNICIPALITY  
नगर कार्यपालिकाको कार्यालय  
Office of Municipal Executive

विराटचौक, मोरङ  
Biratchowk, Morang  
काशी प्रदेश, नेपाल

Province No. 1, Nepal



F/Y प.सं. ०७९/०८०

Ref/च.नं. ५९२४



मिति: २०८०/०३/२८

**विषय: Anti-Harassment cell को जिम्मेवारी तोकिएको बारे ।**

श्री नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना,  
आयोजना समन्वय कार्यालय, बबरमहल, काठमाडौं ।


प्रस्तुत विषयमा नेपाल शहरी शासकीय तथा पूर्वाधार आयोजनाबाट मिति २०८०/०३/१० को च.नं. ३११ को पत्र अनुसार उक्त आयोजनासँग सम्बन्धित लैङ्गिक हिंसा तथा यौन दुर्व्यहारहरू सम्बन्धी गुनासाहरूलाई अभिलेखिकरण तथा सहजीकरण गर्नका लागि यस नगरपालिकाको लैङ्गिक हिंसा हेर्ने व्यक्ति श्री शान्ता घिमिरेलाई Anti-Harassment cell को समेत गुनासा हेर्ने जिम्मेवारी तोकिएको व्यहोरा अनुरोध छ ।

  
सुन्दरहरैँचा नगरपालिका  
प्रमुख प्रशासकीय अधिकारी

"सुन्दरहरैँचाको पहिचान : समृद्धि र सुशासन"

Phone No :- 021-545050, 545822, 560822, Fax :- 021-543822, Fire Brigade: 021-545666, 021-546666  
Website: [www.sundarharaincha.gov.np](http://www.sundarharaincha.gov.np), Email: [sundarharainchan2@gmail.com](mailto:sundarharainchan2@gmail.com)

Notice related to ESMP preparation




# सुन्दरहरैँचा नगरपालिका

## SUNDARHARAINCHA MUNICIPALITY

### नगर कार्यपालिकाको कार्यालय

#### Office of Municipal Executive

विराटचौक, मोरङ  
**Biratchowk, Morang**  
काशी प्रदेश, नेपाल  
Koshi province, Nepal




F/Y प.सं. ०८०/०८१  
Ref/ च.नं.

मिति: २०८०/०३/३१

सूचना ! सूचना !! सूचना !!!

विश्व बैंकको आर्थिक सहयोगमा शहरी विकास तथा भवन निर्माण बिभाग (DUDBC), नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना (NUGIP) मार्फत स्तरोन्नति हुन लागेको यस मोरङ जिल्ला सुन्दरहरैँचा नगरपालिका वडा नं. ७ र ८ (साबिक कोशीहरैँचा नगरपालिका वडा नं. १ र सुन्दरदुलारी वडा नं. १) मा पर्ने चन्द्रनगर विश्वबिद्यालय हुदै गोठगाउँ चोकमा अन्त्य हुने ४.७३७ किलोमिटर लम्बाई भएको सडक खण्डको स्तरोन्नति गर्ने भएको छ । यसै सिलसिलामा उक्त सडक खण्डको बिस्तृत परियोजना सिबेदन तयारीका चरणमा गरीने वातावरणिय तथा सामाजिक व्यवस्थापन योजना (ESMP) तयारीका लागि परामर्शदाताका DSC Team, नगरपालिका र आयोजनाबाट प्रभावित हुने बासिन्दा / जग्गा धनिहरूका बिच निम्न उल्लेखित स्थान र मितिमा हुने बिस्तृत छलफल तथा अन्तरकृया कार्यक्रममा उपस्थित हुनका लागि सम्बन्धित सबै सरोकारवालाहरूलाई सुचित गरीन्छ ।

**अन्तरकृया हुने मिति र स्थान:**  
मिति: २०८०/०४/०७ गते आइतबार  
समय: विहान ११:०० बजे  
स्थान: सुन्दरहरैँचा नगरपालिका वडा नं ८, चन्द्रनगर टोल

  
मुनिल अधिकारी  
फोकल इन्जिनियर

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"सुन्दरहरैँचाको पहिचान : समृद्धि र सुशासन"

Phone No.:- 021-545050, 545822,546822, Fax: - 021-545822, Fire Brigade:-021-545666, 021-546666  
Website: [www.sundarharaiichamun.gov.np](http://www.sundarharaiichamun.gov.np), Email: [sundarharaiichamun@gmail.com](mailto:sundarharaiichamun@gmail.com)





Consultation meeting with land owner and locals for labor camp, Stockpiling area, Solid waste and Spoil deposit site.

आज मिति ०८/०८/१९ गते मंगलवाहा फिनको ११:३० बजे सुन्दाहिया नगरपालिका मार्केट कार्यालय हुने बाहरी लासकीय तथा पूर्वाधार आयोजना (NUPSP) बाट कार्यालय (निर्माण) हुने भौरङ्गा, जिल्लामै सुन्दाहिया नगरपालिका वडा नं. ६ र ८ मा पर्ने प्रस्तावित चन्द्रनगर, पूर्वाञ्चल विद्यालय हुने गौडगाउँ सडक स्तम्भको गर्ने दिल्दिलामा उपआयोजनाको लागि लैक ब्यान्ड र निर्माण लागूको लागि शासनात्मक विभागको हुनाले यस नगरपालिका वडा नं. ६ र ८ को अनुवादमा उक्त सडक स्तम्भमा पर्ने जग्गा धनी, समाजसेवी, वृद्धिवादी र राजनैतिक हल लगायत सम्बन्धित सरोकारवालाहरु सहितको उपस्थितिमा गाउँको हलकल तथा परामर्श तथा दिल्दिलामा उपस्थित व्यक्तिहरु सहितको सहभागितामा सोहल्लपूर्ण एवं हलौ लालका साथ सम्पन्न भयो।

तपसिल :

१. रवि बसाह न्यौपानी	- वडा अध्यक्ष	
२. सुनिल अधिकारी	- इन्जिनियर	
३. केन बसाह वस्नेत	- जग्गा धनी	
४. कल्याण न्यौपानी	- स्थानिय	
५. रमेश पौडेल	- "	
६. अमल पौडेल	- "	
७. नाथ नाथ शर्मा	- "	
८. शैल पौडेल	- "	
९. हरि शर्मा कटुवाल	- "	
१०. शक्ति चौधरी	- "	
११) बुधे कर्माल	- "	
१२) रवि व लामे	- "	
१३) केनिस चोखेल	- "	
१४) कुल बसाह कटुवाल	- "	

DSC Consultant प्रतिनिधि

१) किनोद पौडेल	- सामाजिक सुदो विदा	- विनीत
२) आनन्द शर्मा	- इन्जिनियर	- आनन्द

संस्थागत :

संस्था नं. १: लेबर कमिटी, निर्माण कार्य/एड solid waste management, spot disposal site, workshop area र Concrete batch plant शीतै जग्गा लागूनेछ।

संस्था नं. २: विविध ।

निर्माण :

निर्माण नं. १: उपरोक्त संस्था नं. १ माथि हलफल गरी यथ आवश्यक, विविध विद्यालय हुने मौकामा संसक उपभोगीमाथि कापीयन्त्रको व्यवस्था लेबर कमिटी, निर्माण कार्य/एड, workshop area, Concrete batch plant, spot disposal site र solid waste management को लागि गएको लागि आवश्यक पर्ने जग्गा यति सुरक्षित हुनेछ। कडा न. र विवेक) को कोषा वहालु वसन्तको कोषा वहालु लेबना उपलब्ध गराउन मन्त्राली सिई समीक्षा समेत गरेको हुनाले इकत स्थानमा निर्माण गर्ने भनि निर्माण जडिपर्ने र साथै व्यापारिक तथा वातावरणीयको कोषा अक्षर नपर्ने गरी सोही स्थानमा जग्गा प्राप्त भएपछि भएको हुनाले लेबर कमिटीबाट निस्कने विभिन्न हार्ड waste एड पनि वसन्तै स्थानमा व्यवस्थापन गर्ने भनि निर्माण जडिपर्ने।

*(Handwritten signatures and stamps)*



नेपाल सरकार  
शहरी विकास मन्त्रालय  
नेपाल सहरी शासकीय पूर्वाधार आयोजना (NUGIP)

सुन्दरहरैँचा नगरपालिका, मोरङ

मिति: २०८०।०८।१२

मञ्जुरीनामा

स्वेच्छिक जग्गा सहमति पत्र

उपरोक्त सम्वन्धमा सुन्दरहरैँचा नगरपालिका वडा नं. ८ बस्ने श्री ०८६८०६१ को नाती श्री ०८६८०६१ को छोटा श्री ०८६८०६१ ले सुन्दरहरैँचा नगरपालिकामा संचालन भैरहेको नेपाल सहरी शासकीय पूर्वाधार आयोजना (NUGIP) अन्तर्गत निर्माण हुन लागेको श्री ०८६८०६१ जग्गामा उपआयोजनाको निर्माण/स्तर बढिका लागि स्वेच्छिक आफ्नो निजी जग्गामा लेबर क्याम्प र निर्माण सामग्रीहरू राख्नको लागि दिएको ब्वाहोरा सांचो हो भनि आफ्नो बाचा व्यक्त गर्दछु । र परियोजना सहजकर्ताहरुबाट प्राप्त रोजाइको अवसरलाई बुझेर पूर्ण जानकारीका साथ यस सहमतिमा पत्रमा हस्ताक्षर गरेका छु ।

- योजना NUGIPको सहयोगमा सुन्दरहरैँचा नगरपालिकामा संचालन भैरहेको.....उपआयोजना अन्तर्गत सडकको निर्माण तथा विकास गर्न आयोजनाको तत्परतामा सहमति गरिएको हो ।
- यो लेबर क्याम्प र निर्माण सामग्रीहरू राख्नको लागि दिएको जग्गामा कुनै किसिमको क्षतिपूर्तिको दावी गर्ने छैनौं साथै यो जमीनमा गरिने कुनै प्रकारको निर्माण कार्यमाथि बाधा पुर्‍याउने छैनौं । यदि त्यसो गरेमा हामी नियम/कानूनअनुसार सजायको भागी हुने छौं ।
- आयोजनाले उल्लेखित उद्देश्यका लागि यो सम्पत्तिको सहमतिलाई स्वीकार गर्न सहमत छ ।
- उल्लेखित सबै प्रावधानहरु यो कागजमा हस्ताक्षर भएको मितिदेखि लागू हुनेछ ।

सि.नं	घर धनिको नाम	बाबुको नाम	ठेगाना / वार्ड नं.	सिट नं.	कि.नं	क्षेत्रफल बर्ग मिटर		हस्ताक्षर
						लेबर क्याम्प क्षेत्रफल (वर्ग मि.)	निर्माण सामग्रीहरू राख्ने क्षेत्रफल (वर्ग मि.)	
१.	श्री ०८६८०६१	श्री ०८६८०६१	श्री ०८६८०६१	८(क)	१६३९, १६४०,		१ छिन्डा	
					१६३६, १६३६, १६३६			

तेश्रो पक्ष (साक्षि)

सिफारिस गरि पठाउने

वडा अध्यक्ष, सुन्दरहरैँचा नगरपालिका, वडा नं. ८

योगप्रसाद न्यौता  
वडा अध्यक्ष  
सुन्दरहरैँचा-८

## IEE Approval by Municipality

कार्यपालिका बैठक संख्या: २/८४, मिति २०७९ भदौ ६ गते सोमबार

मिति २०७९ भदौ ६ गते सोमबार दिनको ४ बजे नगर प्रमुख श्री केदारप्रसाद गुरागाईको अध्यक्षतामा बसेको यस नगरपालिका नगर कार्यपालिकाको २/८४ औं कार्यपालिका बैठकमा देहाय बमोजिमका निर्णयहरू गरियो ।

### प्रस्ताव नं. १ प्रारम्भिक वातावरणीय प्रतिवेदन (आई.ई.ई.) सम्बन्धमा ।

निर्णय नं. १ चालु आ.व. २०७९/०८० का लागि तयार गरिएको सुन्दरहरीचा नगरपालिकामा पर्ने बूढी खोला, गछिया खोला र लोहन्द्रा खोला विभिन्न बगर क्षेत्रबाट दिगो र वातावरणमैत्री रूपले ढुङ्गा, गिट्टी तथा बालुवा (नदीजन्य पदार्थ) उत्खनन तथा सङ्कलन गर्ने कार्यको प्रारम्भिक वातावरणीय प्रतिवेदन (आई.ई.ई.) स्वीकृत गर्ने निर्णय गरियो ।

### प्रस्ताव नं. २ पुराना जिन्सी मालसामानहरू लिलाम बिक्री गर्ने सम्बन्धमा ।

निर्णय नं. २ यस नगरपालिका र सो अन्तर्गतका कार्यालयहरूमा रहेका पुराना जिन्सी मालसामानहरूको लिलाम बिक्री गर्ने सम्बन्धमा आवश्यक तयारी गरी आगामी कार्यपालिकाको बैठकमा छलफल गर्ने निर्णय गरियो ।

### प्रस्ताव नं. ३ "घ" वर्गको निर्माण व्यवसाय इजाजत नवीकरण सम्बन्धमा ।

निर्णय नं. ३ यस नगरपालिकाको "घ" वर्गको निर्माण व्यवसायी इजाजतसम्बन्धी कार्यविधि, २०७५ को अनुसूची-५ मा उपकरणहरू (जस्तै: ट्रिपर, ट्रयाक्टर आदि) सम्झौता गरी बहालमा लिन पाउने व्यवस्था भएकोमा व्यवसायीले उपकरणहरू बहालमा लिए बापत व्यवसाय नवीकरण गर्दा नगरपालिकालाई सम्झौता पत्रमा उल्लेख भएको बहाल रकमको वार्षिक २% (दुई प्रतिशत) बहाल कर तिर्नुपर्ने निर्णय गरियो । चालु आ.व.भन्दा अघि बहाल कर नतिरी व्यवसाय नवीकरण गरेका "घ" वर्गका निर्माण व्यवसायीहरूलाई नियमानुसार १०% (दश प्रतिशत) जरिवाना लिने समेत निर्णय गरियो ।

### प्रस्ताव नं. ४ नगर अस्पताल सञ्चालन अनुमति सम्बन्धमा ।

निर्णय नं. ४ यस नगरपालिकाको वडा नं. १ स्थित साविकको प्राथमिक स्वास्थ्य केन्द्र, हरीचालाई नगर अस्पतालको रूपमा स्तरोन्नति गर्ने भनी यसअघि नै नगरसभाबाट निर्णय भई स्वास्थ्य तथा सरसफाई ऐन, २०७८ अनुसार अनुगमन समितिले अनुगमन गरी प्रतिवेदन समेत प्राप्त भइसकेकाले उक्त स्वास्थ्य संस्थालाई १५ बेडको अस्पताल सञ्चालन गर्न स्वीकृति दिने र उक्त नगर अस्पतालको छाप, साइनबोर्ड र लेटरहेड नगर कार्यपालिकाको कार्यालयले स्वीकृत गरे बमोजिम हुने निर्णय गरियो ।

### प्रस्ताव नं. ५ घरनक्साको म्याद थप तथा अभिलेखीकरण गर्ने सम्बन्धमा ।

निर्णय नं. ५ घरनक्साको म्याद थप तथा अभिलेखीकरण गर्ने सम्बन्धमा तपसिल बमोजिमका निर्णयहरू गरियो ।

तपसिल:

(क) पुरानो मितिमा घरनक्सा पासका लागि दरखास्त बुझाएको तर हालसम्म पनि घरनिर्माण सम्पन्न/अभिलेखीकरणको प्रक्रिया पूरा नगरी म्याद गुञ्जिएका दरखास्तहरूलाई पुनः एक पटकका लागि थप २०% दस्तुर लिएर एक आ.व.का लागि म्याद थप गरिदिने ।

(ख) घरनक्सा नामसारीको लागि यसअघि नै कार्यालयबाट निर्माण सम्पन्न/अभिलेखीकरणको प्रमाण-पत्र प्राप्त गरेका तर साविकको घरनक्साभन्दा हाल फरक अवस्थामा घर/भवनको मोहडा, तला, क्षेत्रफल, जग्गा किताकाट आदि पाइएमा स्थलगत निरीक्षण गरी प्राविधिकको प्रतिवेदनका आधारमा निर्माण सम्पन्न प्रमाण-पत्रको नामसारी वा घर/भवन अभिलेखीकरणको प्रमाण-पत्र जारी गरिदिने ।



**तिलोद गुरागाई**  
प्रमुख प्रशासकीय अधिकृत

**प्रमाणिकरण**  
मिति: २०७९/०५/१६



कार्यपालिका बैठक संख्या: २/१०५, मिति २०८० असोज १७ गते बुधवार

मिति २०८० असोज १७ गते बुधवार दिनको ३ बजे नगर प्रमुख श्री केदारप्रसाद गुरागाईंको अध्यक्षतामा बसेको सुन्दरहरैँचा नगरपालिका नगर कार्यपालिकाको २/१०५ औं कार्यपालिका बैठकमा देहाय बमोजिमका प्रस्तावहरू माथि छलफल गरी निर्णय गरियो।

**प्रस्ताव नं. १ आन्तरिक आयको ठेक्का सम्बन्धमा।**

**निर्णय नं. १ आ.व. २०८०/०८१ मा सुन्दरहरैँचा नगरपालिका क्षेत्रभित्र रहेका गछिया खोला, लोहोन्ना खोला र बुढी खोलामा यस अगाडि ३ पटक ठेक्का आह्वान गर्दा समेत ठेक्का नलागेको, नदीजन्य पदार्थको विषय प्रदेश सरकारसँग जोडिएको हुँदा मिति २०८०/०६/०४ गतेको पत्र मार्फत राय परामर्श माग गरिएको भएता पनि हालसम्म सो को जवाफ प्राप्त नभएको, दैनिक नदीजन्य पदार्थको बढ्दो चोरी निकासी हुने जसले राजस्व सङ्कलन अनुमान गरे बमोजिम सङ्कलन नहुने देखिएको तथा मिति २०८०/०५/१८ गतेको स्थानीय राजस्व परामर्श समितिको सिफारिस समेतलाई ध्यानमा राखी उल्लेखित खोलाहरूमा उत्खनन हुन सक्ने नदीजन्य पदार्थ, परिमाण समेत खुलाई भूगर्भविद्हरूद्वारा पेश भएको प्रतिवेदनलाई अनुमोदन गर्दै सोही प्रतिवेदनका आधारमा निम्न बमोजिम ३ खण्डमा न्यूनतम रकममा नघट्ने गरी ठेक्का अंक कायम गर्दै १५ दिनको समय राखी ठेक्का आह्वान गर्न कार्यालयलाई निर्देशन दिने निर्णय गरियो।**

**बुढी खोलाका नाकाहट्टबाट उत्खनन गर्न सकिने नदीजन्य पदार्थको विवरण**

क्र. सं.	ठेक्का नम्बर	दुङ्गा			प्रायेल			चालुवा			भरीट			कुल जम्मा (रु.मा)
		उत्खनन हुने परिमाण (क्यू.फि.मा)	द र	जम्मा रकम (रु.मा)	उत्खनन हुने परिमाण (क्यू.फि.मा)	द र	जम्मा रकम (रु.मा)	उत्खनन हुने परिमाण (क्यू.फि.मा)	द र	जम्मा रकम (रु.मा)	उत्खनन हुने परिमाण	द र	जम्मा रकम (रु.मा)	
१	राजस्व १३/१० ५/बुढी खोला	३१,६१८ /२८०६	७	२,२१,३२७/९६	१,०२,०५४/०९	७	७,१४,३७८/६३	४,३५,३४०/८५	६	२६,१२,०४५/१०	१,०५,९४४	४	४,२३,७७६/-	३९,७९,५२७/९६
मू.अ.क. बाहेकको जम्मा रकम (रु.मा)													रु. ३९,७९,५२७/९६	
१३% मू.अ.क. (रु.मा)													रु. ५,१६,२९८/५९	
मू.अ.क. सहितको जम्मा ठेक्काको न्यूनतम अंक (रु.मा)													रु. ४४,९५,८२६/५५	

(स्टक प्रमाणित बाहेकको)



केदारप्रसाद गुरागाईं  
नगर प्रशासकीय अधिकृत

५  
५

कार्यपालिका बैठक संख्या: २/२०५, मिति २०८० असोज १७ गते बुधवार

गठिया खोलाका नाकाहरूबाट उत्खनन गर्न सकिने नदिजन्य पदार्थको विवरण

क्र.सं.	ठेक्का नम्बर	दुइगा			प्रावेल			बालुवा			भटोट			कुल जम्मा (रु.मा)
		उत्खनन हुने परिमाण (क्यू.फि.मा)	दर	जम्मा रकम (रु.मा)	उत्खनन हुने परिमाण (क्यू.फि.मा)	दर	जम्मा रकम (रु.मा)	उत्खनन हुने परिमाण (क्यू.फि.मा)	दर	जम्मा रकम (रु.मा)	उत्खनन हुने परिमाण	दर	जम्मा रकम (रु.मा)	
१	राजघ १३/१० ५/गठिया खोला	३,४२,४९६/१२	७	२३,९७,४७२/८	८,९९,९९०/२८	७	५७,३३,७७१/९	१५,९९,४९२/०	६	९५,४८,४७२/२	६६,८०३/३	४	२,६७,२१३/३६	१,७९,४६,९३०/२८
मू.अ.क. बाहेकको जम्मा रकम (रु.मा)													रु. १,७९,४६,९३०/२८	
१३% मू.अ.क. (रु.मा)													रु. २३,३३,९००/९४	
मू.अ.क. सहितको जम्मा ठेक्काको न्यूनतम अंक (रु.मा)													रु. २,०२,८०,०३१/२१	

(स्टक प्रमाणित बाहेकको)

५/११/२०  
- ०८/१९८



अभिषेक प्रसाद घोलागाई  
गाउँ प्रशासकीय अधिकृत



१३/१५

कार्यपालिका बैठक संख्या: २/१०५, मिति २०८० असोज १७ गते बुधवार

लोडोन्द्रा खोलाका नाकाहरूबाट उत्खनन गर्न सकिने नदिजन्य पदार्थको विवरण

क्र. सं.	ठेक्का नम्बर	दुइगा			प्रावेल			यालुवा			कुल जम्मा (रु. मा)
		उत्खनन हुने परिमाण (क्यू.फि. मा)	व र	जम्मा रकम (रु. मा)	उत्खनन हुने परिमाण (क्यू.फि. मा)	व र	जम्मा रकम (रु. मा)	उत्खनन हुने परिमाण (क्यू.फि. मा)	व र	जम्मा रकम (रु. मा)	
१	राजस १३/१०५/लोहान्द्रा खोला	२,६२,७४१	७	१८,३९,९८७	५,५३,९२१	७	३८,७९,८५३	८,८५,९२६	६	५३,९०,७६०	१,१०,२९,८०२
मू.अ.क. बाहेकको जम्मा रकम (रु.मा)											रु. १,१०,२९,८०२/३५
१३% मू.अ.क. (रु.मा)											रु. १४,३२,८३४/३०
मू.अ.क. सहितको जम्मा ठेक्काको न्यूनतम अंक (रु.मा)											रु. १,२४,६२,६३६/६५

(स्टक प्रमाणित बाहेकको)

प्रस्ताव नं. २ राजसका रसिदहरूलाई रद्द तथा संशोधन गर्ने सम्बन्धमा।

निर्णय नं. २ यस नगरपालिकाले राजस सङ्कलन गर्ने क्रममा भुलबस काटिएका देहाय बमोजिमका रसिदहरूलाई रद्द तथा संशोधन गर्ने निर्णय गरियो।

क्र.सं.	राजस सङ्कलन केन्द्र	रद्द गर्नुपर्ने रसिद नं.	कायम गरिनु पर्ने रसिद नं.	रकम	कैफियत
१	वडा नं. ५ को कार्यालय (च.नं. १२९, मिति २०८०/०४/१२ गतेको सिफारिस पत्र)	१५०९७	१५०९६	रु. १,५९०/-	भुलबस दुई पटक रसिद काटिएको।
२	नगरपालिकाको कार्यालय	१५०५११५०७	१५११११५२०	रु. १६,२००/-	भुलबस बढी



Handwritten signature and date: १६/१२/८०  
 राजस प्रशासकीय अधिकृत

Public Consultation meeting minutes

Consultation with Locals of Ward-8, Subba tole

**Stakeholders Consultation**  
**Nepal Urban Governance and Infrastructure Project (NUGIP)**  
**ESIA and ESMP of Chandranagar - Gothgaun Road of Sundarharaicha Municipality, Morang**  
**Attendance Sheet**

Date: १०/०१/२० Venue: Subba Tole, Ward No. 8  
 स्थाना वार्ड ८

**Attendees:**

S.N.	Name	Organization/Title	Contact No.	Signature
1	NIKITA POKHREL	Local-8	9825345222	[Signature]
2	Cita Maya Raut	"	9162217822	[Signature]
3	Nirupata Gurung	"	9819030990	[Signature]
4	Tirtha Kumari Rai	"	9810428294	[Signature]
5	Menika Rai	"		[Signature]
6	Goutami Khatri	"		[Signature]
7	Nirupata Bhattarai	"		[Signature]
8	Santosh Maske	"		[Signature]
9	Jayaram Khatri	"	9804220554	[Signature]

**Suggestions:**

- वार्ड वार्ड क्षेत्रमा पानीको कमी अब वार्ड क्षेत्रमा कानि कानि काम गर्ने ।
- वार्ड क्षेत्रमा पानीको कमी अब वार्ड क्षेत्रमा कानि कानि काम गर्ने ।
- वार्ड क्षेत्रमा पानीको कमी अब वार्ड क्षेत्रमा कानि कानि काम गर्ने ।



Consultation with Locals including IPs, Ward : 7

Stakeholders Consultation  
Nepal Urban Governance and Infrastructure Project (NUGIP)  
ESIA and ESMP of Chandranagar - Gothgaun Road of Sundarharaicha Municipality, Morang  
Attendance Sheet

Date: 2080/03/19 Venue: Gothgaun Chowk, Sundarharaicha - 7

Attendees:

S.N.	Name	Organization/Title	Contact No.	Signature
1	Parbati Rai	Local	985300224	[Signature]
2	Niraj Shrestha	"	9849184991	[Signature]
3	Pranav Shrestha	"	9862232758	[Signature]
4	Anshika Shrestha	"	9804096529	[Signature]
5	Pradip Ujha	"	9815365265	[Signature]
6	Pratish Shrestha	"	9	[Signature]
7	Ramesh Shrestha	"		[Signature]
8	Bisham GSP	"	9817392094	[Signature]
9	Gokarna Shrestha	"		[Signature]
10	Chhatra Pr. Bahal	"	9839500733	[Signature]

Suggestions:

- > श्रद्धा उप आयोजनाले महिला-बैतल, विचारा सम्वन्धी समेतमा मुख्य कार्यालय पनि संचालन गरेमा राम्रो हुनेगियो।
- > यस-श्रद्धा उप आयोजनाको आसपासमा धेरै युवाहरू बेरोजगार छन् आयोजना मा'डो मुक्त नगरदेखी यस-श्रद्धा आयोजना मुवा छुले रोजगार पाउनेगियो।
- > बाटो लम्बुका centerline बाट वरपर हिसाव गरेर सिस्तान जाँडिपर्ने।
- > जल्दी उम्सरी भए पनि लम्बु पार्ने।

KII with Women, Chairperson: Nari development organization, Ward:8

Stakeholders Consultation  
Nepal Urban Governance and Infrastructure Project (NUGIP)  
ESIA and ESMP of Chandranagar - Gothgaun Road of Sundarharaicha Municipality, Morang  
Attendance Sheet

Date: 2080/03/09 Venue: सुन्दरहेरिया न.पा.-२, गोथगाउँ

Name: सुशिला कार्की

Occupation/Organization: अहमद ताने विकास संस्था, सुन्दरहेरिया

Comments/Suggestions:

- यस सुन्दरहेरिया नगरपालिकामा नारी विकास संस्थाले, लोडिंग प्रभावना तथा सामाजिक प्रभावशीलता सम्बन्धी काम गर्दै आएको छ।
- हाल यस सुन्दरहेरिया न.पा.मा प्रजडा हुने बरत भन्दा स्टाइल अपराध हुने गरेका छन्। यस सम्बन्धी केली प्रभावनामुलक कार्यक्रमहरू संचालन गर्नुपर्ने देखिन्छ।
- सुन्दरहेरिया नगरपालिकाले पनि जसो सम्बन्धी कार्यक्रम गरेको हुना यस क्षेत्रमा कुनै पनि महिला विद्या, पौनसिंसा अस्त। घरतपाईने। महिला - महिलाहरूले कुनै काम हुने गर्दछ।
- नगरपालिका आन्तारिक - अन्तरिक्ष, - घरतपाईने - घरतपाईने - अन्तरिक्ष, - अन्तरिक्ष आदिको धेरै मुद्दा आउने गरेको छ।
- बस्ती निर्माणको लागि कुनै पनि छ। सम्बन्धमा अस्त।
- बस्ती निर्माणको लागि कुनै पनि छ। सम्बन्धमा अस्त।

  
Signature: सुशिला कार्की





Stakeholders Consultation  
Nepal Urban Governance and Infrastructure Project (NUGIP)  
ESIA and ESMP of Chandranagar - Gothgaun Road of Sundarharaicha Municipality, Morang  
Attendance Sheet

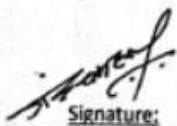
Date: 04/03/2080 Venue: साबकपुर

Name: रामेन्द्र शर्मा

Occupation/Organization: सदास साबकपुर वनारोपाली समाजसभा  
सुदूरपश्चिम प्रदेश

Comments/Suggestions:

- यसै साइडमा बायोमेट्रिक सिस्टमको लागि एकटा कुर्सी पनि बाधा अघि नगर्ने हुँदा यो साइडमा बायोमेट्रिक सिस्टमको लागि काम हुन नसकेको।
- यसै साइडमा बायोमेट्रिक सिस्टमको लागि एकटा कुर्सी पनि बाधा अघि नगर्ने हुँदा।
- यसै साइडमा बायोमेट्रिक सिस्टमको लागि एकटा कुर्सी पनि बाधा अघि नगर्ने हुँदा।
- यसै साइडमा बायोमेट्रिक सिस्टमको लागि एकटा कुर्सी पनि बाधा अघि नगर्ने हुँदा।

  
Signature:



Stakeholders Consultation  
Nepal Urban Governance and Infrastructure Project (NUGIP)  
ESIA and ESMP of Chandranagar - Gothgaun Road of Sundarharaicha Municipality, Morang  
Attendance Sheet

Date: 2080/03/19 Venue: Tulsi chowk, Sundarharaicha-7

Attendees:				
S.N.	Name	Organization/Title	Contact No.	Signature
1.	गुरु पाँचरौल	बुर्जि	9842235993	[Signature]
2.	केसल पाँचरौल	बुर्जि	9852063456	[Signature]
3.	अभिषेक प्रसाद	बुर्जि	9842279776	[Signature]
4.	हेमल कर्मण्डे	बुर्जि	9818552029	TOKAL
5.	विठ्ठल तिमरौल	विद्यार्थी	9827344797	[Signature]
6.	इश्वरी खड्का	बुर्जि	9818489142	[Signature]
7.	जल बहादुर शर्मा	बुर्जि	9811011944	[Signature]
8.	सुमान लाल	विद्यार्थी	9810881677	[Signature]
9.	कुमाल शर्मा	बुर्जि	9808464905	[Signature]
10.	मिना कुमाल बिस्ने	बुर्जि	9874947025	[Signature]

Suggestions:

१. फुटपाथ सहितको कारो
२. सप्टि ब्रुक २
३. पार्किङको व्यवस्था
४. पार्किङको व्यवस्था
५. दुपारतरीय २ वीथिकामा काम
६. सि. सि क्याम्पको निर्धारण
७. सडक सफाईको व्यवस्था
८. जत्रा कार्यक्रमको व्यवस्था
- ९.

KII with IP people, Ward-8

Stakeholders Consultation  
Nepal Urban Governance and Infrastructure Project (NUGIP)  
ESIA and ESMP of Chandranagar - Gothgaun Road of Sundarharaicha Municipality, Morang  
Attendance Sheet

Date: 07.07.2023 Venue: Sundarharaicha Municipality office.

Name: Jeevan Kumar Rai

Occupation/Organization: Former ward president ward no.06

Comments/Suggestions:

वर्ड वैंडले सडक निर्माणकालागि खर्च र उपर ब्याज गरेको सुदूरदैखी नया वडा नं. ६ को अहेरवट सुब्बा मार्ग हाल ६ फिट चौडा छ। यस वारेमा सडक निर्माण गर्दा कुनै धर टहरा र कसब किफवा केर्नेन। साथै यस वारेमा पर्ने पुरानो वारेको चौडा २७ फुट भन्दा बढी नम्बरो जग्गा को क्षेत्र नेपाल सरकारलाई चढाउनु सबै जग्गा धनी ब्याज छन/छैन। यस्तो बेगीने उक्त क्षेत्र नेपाल सरकारलाई चढाउनु वडा कार्यालयमा निवेदन पेश भएकी भएक्या भएतापनि वर्ड वैंडले काम गर्दा कुनै वाधा ब्यवधान हुने भएक्या छैन।

कि।:

जीवन कुमार राई  
पूर्व वडा अध्यक्ष  
वडा नं-६

Signature:



Meeting minutes with Women Groups

आज मिति ००७/०८/०८ गते विद्यालयाका लागि यस अन्तर्गतको  
 नगरपालिका वडा अध्यक्ष श्री भुवन सिंह प्रवाहको अध्यक्षतामा  
 सुन्दरहराईया नगरपालिका वडा नं. ६ स्थित गौडगाउँ चौका  
 भएको छलफल तथा अन्तर्क्रिया कार्यक्रममा नेपाल कांसु  
 चौधरी तथा पूर्वाधार आयोजना अन्तर्गत प्रो. ड. विद्याको  
 सुन्दरहराईया नगरपालिकाको वडा नं. ६ का पत्र प्रेषित  
 चरणमा, विद्यालयको छुट्टै गौडगाउँ अड्डा अन्तर्गत  
 अन्तर्गत गरी कार्यको विस्तृत परिचय तथा मिति विषय  
 र वातावरणीय एवं सामाजिक अवस्थापन योजना तथा पीका  
 क्रममा प्राविधिक, वातावरणीय र सामाजिक र्वे आयुक्त  
 वरुण शिवाजी माथिको प्रस्ताव, प्रजापद सभाका उपस्थापकको  
 वरुण डडल तम्, नगरपालिका वडास्थित महिलाहरूको  
 विद्युत विस्तृत छलफल तथा अन्तर्क्रिया गर्ने कार्य सम्पन्न  
 भयो। साथै छलफलको क्रममा वातावरणीय तथा सामाजिक अवस्थापन  
 योजना तथा पीकाको लागि छलफल तथा सुझाव लैस गर्न कार्य सम्पन्न  
 गरियो। उक्त सभामा निम्न ब्यक्तिहरूको उपस्थिति रहेको छ।

तपसिल

१.) श्री भुवन सिंह प्रवाह	- वडा अध्यक्ष - ६	
२.) श्री सुन्दरहराईया - लोकल इन्जिनियर (NUPSP)		
३.) श्री रमिता खत्री	का. उपस्थापक	रमिता
४.) श्री बाणु चौधरी	सु. ए. (स्थायी)	
५.) श्री रमिता खत्री	प्रा. पु. ल.	
६.) श्री रमिता खत्री	गौडगाउँ	
७.) श्री रमिता खत्री	गौडगाउँ	
८.) श्री रमिता खत्री	गौडगाउँ	
९.) श्री रमिता खत्री	गौडगाउँ	
१०.) श्री रमिता खत्री	गौडगाउँ	
११.) श्री रमिता खत्री	गौडगाउँ	
१२.) श्री रमिता खत्री	गौडगाउँ	
१३.) श्री रमिता खत्री	गौडगाउँ	
१४.) श्री रमिता खत्री	गौडगाउँ	
१५.) श्री रमिता खत्री	गौडगाउँ	
१६.) श्री रमिता खत्री	गौडगाउँ	
१७.) श्री रमिता खत्री	गौडगाउँ	
१८.) श्री रमिता खत्री	गौडगाउँ	

DSC Team प्रतिनिधि

- १) विनीत पौडेल - सामाजिक सुरक्षा विभाग - विनीत  
 २) आनन्द शर्मा - इन्जिनियर - Anand

आज माथि इतलै जित मसुदाको उपस्थितिमा जारी इलाफल :

१) भए कुम्भारदेविया नगरपालिकाको वडा नं. ६ र ८ मा पर्ने प्रस्तावित सडकमा, विद्युतविद्युत हुने गौडगाउँ सडकको क्षेत्रमा सुरक्षित पारिने नै कार्य भएको हुनाले बाटो बनाउनु नै सम्भव नहुने र त्यहि सडकमा विस्तृत परियोजना प्रतिवेदन (DPR) तयार गर्ने गरी निर्णय भयो।

२) सडक निर्माण गर्दा क्षेत्रमा पर्ने पारिभाषिक स्थानीय वाणिज्यहरूको दिगु पर्ने सम्बन्धमा विस्तृत इलाफल गरियो।

३) सडक निर्माणका क्रममा हुन सक्ने खनी, वायु प्रदूषण जस्ता समस्याको र यसको निराकरण सम्बन्धमा विस्तृत इलाफल गरियो।

४) भए प्रस्तावित सडक चौडाई (~~सडक~~ (Road widening) शिवा कुनै सडक नरहेको सम्बन्धमा विस्तृत इलाफल गरियो।

५) भए प्रस्तावित सडक माथि इलाफल गर्दा कुम्भारदेविया नगरपालिका वडा नं. ६ र ८ को सडक स्तरोन्नति गर्दा आयोजना कार्यको समयमा हुन सक्ने सामाजिक र वातावरणीय पक्षको सम्बन्धमा लेखाजीपीको बारे इलाफल गरियो।

श्री ~~...~~ विनीत ~~...~~ लीता ~~...~~ Anand  
 विनीत पौडेल  
 आनन्द शर्मा





आज प्राथि इल्लैजित महानुभावकृष्णको उपस्थित भएको इल्लमलः

१) यस अन्तर्गत सडक प्राथि इल्लमल गर्दा सुनपुरहेरिया नगर-पालिका कडा न. ६ र ८ को सडक हलौरनति गर्दा आफ्नैवासी जनजाती हजम किच इल्लमल गर्दा काती कताडपा कुी समस्या काया विरीया नहुने र छटि आउताएमा आयोजना कायोजन चरणमा हुकाहे हुन सक्ने सामाजिक वातावरणीय पक्ष को संरक्षणमा लेवाजीजा को इल्लमल गर्छौ ।

२) सडक निर्माण गर्दा बीजगापीको पहिली प्राथमिकता हाम्रिय वाहिरवाहलार् किउरने सारकथमा किल्लत इल्लमल गाहियो ।

गिता इल्लमल कितीप देवी  
 पावता Arw Arw प्रमिला मनिजा



Meeting minutes with locals including women and IPs

आज मिति २०८०/०३/१९ गतेका दिन भए सुदूरपूर्वका नगरपालिकाका सीपाला भैरहेको नेपाल शहरी साविकीय फुडका आभोजन (NUPMP) अन्तर्गत सुदूरपूर्वका नगरपालिकाको चन्द्रनगर, विरधविद्यालय हुँदै गोठगाउँ सडक खण्डमा पर्ने तुलसा चौक वार्ड न-६ का वडा अध्यक्ष (श्री) श्रीनरेश्वरी अधिकारी ज्यूको अध्यक्षतामा वार्ड न-६ का स्थानीयहरु र

DOEC - C2TECH - PADAN - BEAM - COEMANLO Consultant  
 जू विरध सडक खण्ड/अ/का बागी सामाजिक तथा कालवर्षीय व्यवस्थापन योजना तथापिमा लाग्ने दलफल तथा सुमा १ खेकलन गर्ने कार्य सम्पन्न गरियो ।

उपस्थिति

१) श्री सीतादेवी अधिकारी वडा अध्यक्ष	सिता
२) श्रीमति पवित्रा केकूल	रुपका
३) श्रीमती पुनम महरा	पुनम
४) विरध/पाडल	श्रीमान
५) मन्जु नेपाल	मन्जु
६) कञ्जला कर्मा	कञ्जला
७) शम्भुमाया के.वी	शम्भुमाया
८) कुमार कर्मा	कुमार
९) इन्दरी केकूल	इन्दरी
१०) पेशल सिमखेना	पेशल
११) मिनकुमार विमल	मिन
१२) अम्बिका प्र. खाहाल	अम्बिका
१३) महेन्द्रप्रसाद देहाल	महेन्द्र
१४) पेशल पोखरेल	पेशल
१५) बुद्ध पोखरेल	बुद्ध
१६) कलशम श्रेष्ठ	कलशम
१७) लीडरमण कुमाल	लीडरमण

DSC-Consultant प्रतिनिधि

१) विनीत लीडर सामाजिक सुदूरपूर्वका	विनीत
२) कवल साह Civil Engineer	कवल
३) आनन्द श्रेष्ठ " "	आनन्द

प्रस्ताव ६९

- १) चन्द्रनगर, विद्यविद्यालय हट्टे गौडगाउँ गौडने स्थापना सामाजिक सेवा वातावरणीय अवधारण योजना र विस्तृत परियोजना प्रतिवेदन (DPR) अर्थात स्थापना,
  - १) स्थापना अधिकार क्षेत्र (LOT) स्थापना,

निर्माण

१) प्रस्ताव नं. १ माथि इलाकल गार्ड युनियनका नगरपालिका वडा नं. ६ को स्थापना स्वीकृती गार्ड आयोगा कार्यवाही चलाया हुनालाई हुन सक्ने व्यापारिक र वातावरणीय पक्षमा स्थापना लैजागोवा को इलाकल गरियो।

२) प्रस्ताव नं. २ को स्थापना इलाकल गार्ड युनियनका नगरपालिका चन्द्रनगर, विद्यविद्यालय हट्टे गौडगाउँ स्थापना अर्थात पत्रे स्थापना अधिकार क्षेत्र सित्रलाई हुन फिट कायम गरी विस्तृत परियोजना प्रतिवेदन (DPR) तयार गर्ने मनि निर्माण गरियो र उक्त स्थापना अधिकार क्षेत्र सित्र व्यक्तिगत घर बसना र मूल विद्यालयको अर्को नहुने मन्जुरी भए कोसो सम्पुर्ण दधानिम वादीकको आयोगा संचालना हुने पत्र-वाहा विरोध गर्ने हुने मनि निर्माण गरियो।



आपत्त को संभालने के लिए 106 गांवों में एक कुलकर्णी द्वारा तैयार की गई -  
 का कार्य नं. 2 का कडा अध्याय भी स्वयं प्रस्ताव को पारित करने के लिए -  
 अध्यायों में शामिल करके पुनः प्रस्ताव को पारित करने का कार्य (MULJIP)  
 अंततः कामाखी में प्रस्ताव पारित होना 2 का कार्यालय में प्रस्ताव पारित  
 होना प्रस्ताव तैयार करने के लिए सफल तथा सुचारु रूप से चलाने  
 में कार्य करके कार्य कर रहे हैं।

**सूची**

1	स्वयं प्रस्ताव को पारित करने का अध्याय बनाने - 2	
2	सोशल न्याय इलेक्ट्रीकल कार्य सफल करके अध्याय - 2	
3	राजेश्वर शर्मा	अध्याय को तैयार करने के लिए अध्याय - 2
4	सुशीला लाल चौधरी	का अध्याय - 6
5	कुमा देवी दाहाल	का अध्याय - 2
6	अनामिका शर्मा	का नं. - 2
7	शुभा शर्मा	" "
8	सुनीता तिमिल्सिना	" "
9	सुनीता शर्मा	" "
10	सुनीता शर्मा	नारी विकास समिति - सफल
11	सुनीता शर्मा	नारी विकास समिति - सफल
12	सुनीता शर्मा	नारी विकास समिति - सफल
13	सुनीता शर्मा	नारी विकास समिति - सफल
14	सुनीता शर्मा	नारी विकास समिति - सफल
15	सुनीता शर्मा	नारी विकास समिति - सफल
16	सुनीता शर्मा	नारी विकास समिति - सफल
17	सुनीता शर्मा	नारी विकास समिति - सफल
18	सुनीता शर्मा	नारी विकास समिति - सफल
19	सुनीता शर्मा	नारी विकास समिति - सफल
20	सुनीता शर्मा	नारी विकास समिति - सफल
21	सुनीता शर्मा	नारी विकास समिति - सफल
22	सुनीता शर्मा	नारी विकास समिति - सफल

**कार्यक्रम विषय तथा निर्णय**

1. कार्यकारी समिति अधिकाधिक संस्था का कार्य करने प्रारंभ









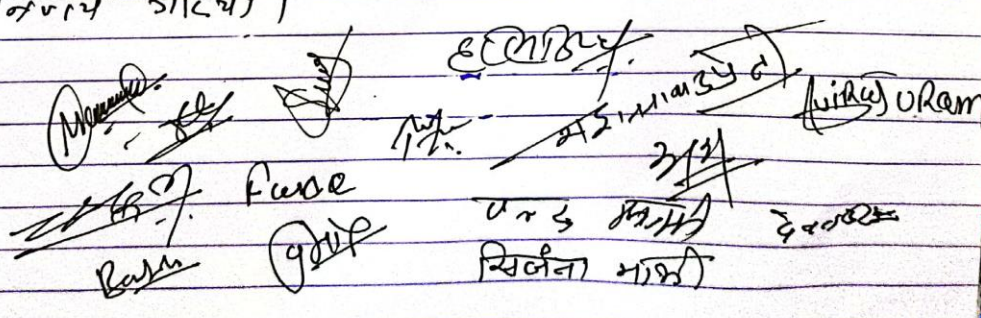
प्रस्ताविका

- १) चम्पनगर, विश्वविद्यालय हुँदै गोठगाउँ जोड्ने सडकको सामाजिक तथा वातावरणीय व्यवस्थापन योजना र विस्तृत परिचोजना प्रतिवेदन (DPR) अध्ययन सम्बन्धमा
- २) सडक आधिकार क्षेत्र (COF) सम्बन्धमा

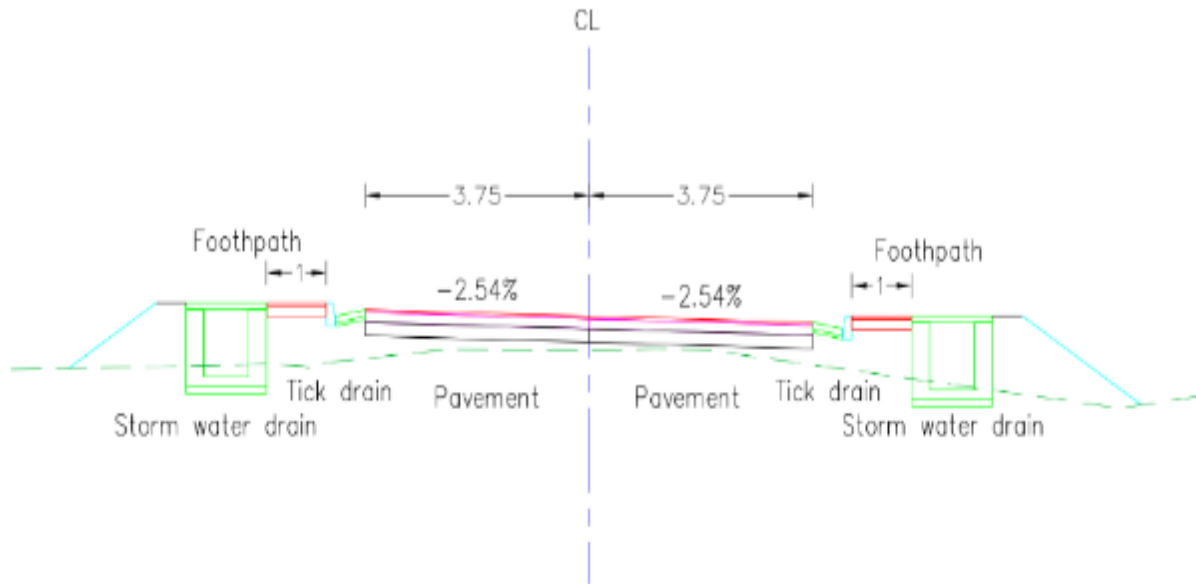
निर्णय

१) प्रस्तावित १ माथि इलाकाल गाउँ अनुसन्धानको नगरपालिका वडा नं. ६ र ८ को सडक सडकको गाउँ आभोजन कार्यलय चम्पनगर हुनकाले हुन समेत सामाजिक र वातावरणीय पक्षको सम्बन्धमा लेखाजोखा गरे इलाकाल गरियो।

२) प्रस्तावित नं. २ को सम्बन्धमा इलाकाल गाउँ अनुसन्धानको नगरपालिका चम्पनगर, विश्वविद्यालय हुँदै गोठगाउँ सडक अन्तर्गत पर्ने सडक आधिकार क्षेत्र त्रिजलाङ्क २५ फिट कायम गरी विस्तृत परिचोजना प्रतिवेदन (DPR) तयार गर्ने गरी निर्णय गरियो र उक्त सडक आधिकार क्षेत्र त्रिजलाकाल धेरै सँघुत्ता र फल विडवाको कलान हुने भएकाले यस क्षेत्रको सम्पूर्ण स्थानीय वातावरणको आभोजन सँचालनमा हुने पनि वास्तविक विरोध गर्ने हुन गरी निर्णय गरियो।


  
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### Annex III: Proposed Typical Cross Sections



**Figure:** Proposed Cross section of Gothgaun Chiuramil Purwanchal Biswabidhyalaya Gothgaw Sadak

## Annex IV: GoN Permissible Environmental limits/standards

### (A) National Drinking Water Quality Standard, 2079 BS

#### A-1: Mandatory Parameters to be tested

SN	Parameters	Unit	Limits	Remarks
	<b>Physical</b>			
1	Turbidity	NTU	5	
2	pH		6.5 - 8.5	
3	Colour	TCU	5	
4	Taste & odour		Unobjectionable	
5	Electrical Conductivity	μS/cm	1500	
	<b>Chemical</b>			
6	Iron	mg/L	0.3 (3)	
7	Manganese	mg/L	0.20	
8	Arsenic	mg/L	0.05	
9	Fluoride	mg/L	0.50 - 1.50 (Min. - Max.)	
10	Ammonia	mg/L	1.50	
11	Chloride	mg/L	250	
12	Sulphate	mg/L	250	
13	Nitrate	mg/L	50	
14	Copper	mg/L	1	
15	Zinc	mg/L	3	
16	Aluminum	mg/L	0.20	
17	Total Hardness	mg/L	500	
18	Residual Chlorine	mg/L	0.10 - 0.50 (Min. - Max.)	
	<b>Microbiological</b>			
19	E-Coli	(CFU/10 ml)	0	

#### A-2: Additional Parameters to be tested based on Risk and Requirement

SN	Parameters	Unit	Limits	Remarks
	<b>Physical</b>			
1	Total Dissolved Solids	mg/L	1000	
	<b>Chemical</b>			
2	Calcium	mg/L	200	
3	Lead	mg/L	0.01	
4	Cadmium	mg/L	0.003	
5	Chromium	mg/L	0.05	
6	Cyanide	mg/L	0.07	
7	Mercury	mg/L	0.001	



SN	Parameters	Unit	Limits	Remarks
8	Nitrites	mg/L	3	
<b>Microbiological</b>				
1	Total Coliform	(CFU/10 ml)	0 (In 95% samples)	

**(B) National Ambient Air Quality Standard, 2069 BS**

Parameters	Units	Averaging Time	Concentration in Ambient Air, Maximum
TSP	µg/m <sup>3</sup>	24 - hours	230
PM <sub>10</sub>	µg/m <sup>3</sup>	24 - hours	120
PM <sub>2.5</sub>	µg/m <sup>3</sup>	24 - hours	40
Sulfur Dioxide	µg/m <sup>3</sup>	Annual	50
		24-hours	70
Nitrogen Dioxide	µg/m <sup>3</sup>	Annual	40
		24-hours	80
Carbon Monoxide	µg/m <sup>3</sup>	8hours	10000
Lead	µg/m <sup>3</sup>	Annual	0.5
Benzene	µg/m <sup>3</sup>	Annual	5
Ozone	µg/m <sup>3</sup>	8-hours	157

Ref.: Section 62, Number 19, Nepal Gazette, Part 5, 2069/04/29, Notice 2

**(C) National Sound Pressure Level, 2069**

Microenvironment	Sound Pressure Level, L <sub>eq</sub> dB(A)	
	Daytime	Nighttime
Industrial Area	75	70
Commercial Area	65	55
Rural Settlement Area	45	40
Urban Settlement Area	55	50
Mixed Settlement Area	63	55
Pristine Area	50	40

Ref.: Section 62, Number 30, Nepal Gazette Part 5, 2069/7/13

**(D) Diesel Powered Generator Emission Limits (g/kWh), 2069**

Category, (kW)	CO	HC	NO <sub>x</sub>	PM
kW < 8	8	1.3	9.2	1
8 = kW < 19	6.6	1.3	9.2	0.85
19 = kW < 37	6.5	1.3	9.2	0.85
37 = kW < 75	6.5	1.3	9.2	0.85
75 = kW < 130	5	1.3	9.2	0.7
130 = kW < 560	5	1.3	9.2	0.54

Ref.: Section 62, Number 30, Nepal Gazette Part 5, 2069/7/13

The minimum height of the chimney should be maintained not less than 11m for the industrial boiler utilizing solid or liquid fuel.

## Annex V: Air, Noise and Water Quality Test Reports



**ENVIRONMENT MANAGEMENT  
&  
ANALYSIS SERVICES P. LTD**

Regd No.: 127787/071/72  
Jwagal, Lalitpur, Nepal  
GPO Box No.: 8975, EPC 5296  
Contact No.: 977-01-47690266, 9851126060  
Email: emas@emas.com.np, emasenv@gmail.com  
Website: emas.com.np

### ANALYSIS REPORT FOR AMBIENT AIR QUALITY

Report Number	15A/080-81		
Sample Number	11A/080/81		
Client	GOEC Nepal P Ltd, C2TECH Pvt Ltd, GIDA Nepal P Ltd, BEAM Consult P Ltd, COEMANCO NEPAL (P) Ltd JV, Kathmandu		
Sampling location	Sundar Haraicha Municipality, Ward No. 8 Gothgaw Chiuramil Purwanchal Biswabidhyala Gothgaw Sadak (4+737)	GPS Point: 26°39'52.4"N 87°21'24.2"E	
Project	Consulting Services for Design and Supervision Consultant (DSC) Sundarharaicha, Design and Supervision Consultancy for Nepal Urban Governance and Infrastructure Project (NUGIP)		
Sampled by	Environment Management And Analysis Services P. Ltd., Dillibazar, Kathmandu		
Sampling Date	05 - 06 September 2023		
Report Date	20 September, 2023		
Instrument used	Respirable Dust Sampler (GTI 151) and Combined Sampler (GTI 241)		
<b>Result</b>			
Parameter	NAAQS *	Observed Values	Method
TSP ( $\mu\text{g}/\text{m}^3$ )	230.0	152.4	IS 5182 (Part 14)-2000 (reaffirmed 2005)
PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	120.0	61.4	IS 5182 (Part -23):2006
PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	40.0	24.3	IS 5182: Part 24: 2019
SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	70.0	4.3	IS 5182 (Part 2)-2006
NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	80.0	8.8	IS 5182 (Part 6)-2006
CO ( $\mu\text{g}/\text{m}^3$ )	10000.0	<230.0	IS 5182 (Part - 10):2006

\* - National Ambient Air Quality Standard, 2069, \*\* - National Ambient Air Quality Standard for TSP for Crusher Industry, IS - Indian Standard

Remarks: The observed values are within the prescribed limit of NAAQS.

*B. B. B. B.*  
Sampled by

*P. P. P. P.*  
Checked by

*S. S. S. S.*  
Authorized by

**Environment Management  
&  
Analysis Services P. Ltd**



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ANALYSIS SERVICES P. LTD**

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Website: emas.com.np

**ANALYSIS REPORT FOR AMBIENT NOISE LEVEL**

Report Number	17/N/080-81	Sample Number	12-N/080/81								
Sampling Date	05 - 06 September 2023										
Client	GOEC Nepal P Ltd, C2TECH Pvt Ltd, GIDA Nepal P Ltd, BEAM Consult P Ltd, COEMANCO NEPAL (P) Ltd JV, Kathmandu										
Sampling location	Sundar Haraicha Municipality, Ward No. 8 Gothgaw Chiuramil Purwanchal Biswabidhyala Gothgaw Sadak (4+737)	GPS Point: 26°39'52.4"N 87°21'24.2"E									
Project	Consulting Services for Design and Supervision Consultant (DSC) Sundarharaicha, Design and Supervision Consultancy for Nepal Urban Governance and Infrastructure Project(NUGIP)										
Sampled by	Environment Management And Analysis Services P. Ltd., Dillibazar, Kathmandu										
Report Date	20 September, 2023										
Instrument used	LUTRON SL - 4033SD										
Hours	Time	Noise Level (dBA)			Hours	Time	Noise Level (dBA)				
		Lmax	Lmin	Leq			Lmax	Lmin	Leq		
06:00 - 07:00	Day	61.7	42.3	44.8	18:00 - 19:00	Night	59.4	50.3	51.3		
07:00 - 08:00		68.5	43.6	47.1	19:00 - 20:00		61.8	48.8	50.7		
08:00 - 09:00		66.5	43.8	46.8	20:00 - 21:00		66.2	49.2	51.2		
09:00 - 10:00		68.4	49.4	52.5	21:00 - 22:00		59.6	48.0	49.4		
10:00 - 11:00		67.3	48.9	54.3	22:00 - 23:00		60.7	47.6	50.4		
11:00 - 12:00		66.2	51.5	58.4	23:00 - 00:00		59.3	44.3	47.6		
12:00 - 13:00		65.9	50.1	55.2	00:00 - 01:00		58.4	43.9	46.8		
13:00 - 14:00		61.5	50.3	54.2	01:00 - 02:00		58.9	43.5	48.6		
14:00 - 15:00		61.2	49.2	52.8	02:00 - 03:00		58.0	42.8	47.7		
15:00 - 16:00		67.5	50.4	53.2	03:00 - 04:00		64.3	43.3	46.1		
16:00 - 17:00		63.8	51.4	53.6	04:00 - 05:00		63.4	42.8	45.8		
17:00 - 18:00		71.4	51.5	52.8	05:00 - 06:00		59.3	41.8	43.4		
Leq average (Day)				52.1	Leq average (Night)				48.2		
Permissible limit *				55.0	Permissible limit*				50.0		

dBA - A-weighted decibels, Lmax : Maximum Sound Level, Lmin: Minimum Sound Level

\* - Noise Level Standard 2069, category urban residential area.

Remarks: The equivalent noise level during day and night hours comply with the permissible limit in reference to noise level standard 2069, under category of urban residential area.

*[Signature]*  
Sampled by

*[Signature]*  
Checked by

*[Signature]*  
Authorized by

**Environment Management  
&  
Analysis Services P. Ltd**



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Email: emas@emas.com.np, emasenv@gmail.com  
Website: emas.com.np

## Water Analysis Report

Client: GOEC Nepal P Ltd, C2TECH Pvt Ltd, GIDA Nepal P Ltd, BEAM Consult P Ltd, COEMANCO NEPAL (P) Ltd JV, Kathmandu Sample Location: Sundar Haraicha Municipality, Ward No. 8 Gothgaw Chiuramil Purwanchal Biswabidhyala Gothgaw Sadak (4+737) GPS Point: 26°39'52.51"N 87°21'24.14"E Report No: 19/W/080-81 Report Date: 20 September, 2023 Sampled by: EMAS P. Ltd. Project: Consulting Services for Design and Supervision Consultant (DSC) Sundarharaicha, Design and Supervision Consultancy for Nepal Urban Governance and Infrastructure Project(NUGIP)			Sample Sources: Hand Pump Owner: Chandra Karki Year of installation: 2013 Depth of hand pump: 20 feet Sampling Date: 06 September, 2023 Received Date: 07 September, 2023 Analysis Period: 07 - 10 Sept, 2023	
Parameters	Unit	NDWQS	Observed Values	Test Methods
pH	-	6.5 - 8.5	6.8	4500-H <sup>+</sup> B, APHA, 22nd EDITION
Colour	-	5 (15)	<0.1	2120 B, APHA, 22 <sup>nd</sup> EDITION
Turbidity	NTU	5 (10)	<1.0	2130 B, APHA, 22nd EDITION
Electrical Conductivity	µS/cm	1500	196.0	2510 B, APHA, 22nd EDITION
Temperature (Lab)	°C	-	23.0	2550 B., APHA, 22nd EDITION
Total Hardness	mg/l as CaCO <sub>3</sub>	500	78.0	2340 C, APHA, 22nd EDITION
Chloride	mg/l	250	5.2	4500-Cl <sup>-</sup> B, APHA, 22nd EDITION
Ammonia	mg/l	1.5	0.03	4500-NH <sub>3</sub> C., APHA, 17 <sup>th</sup> EDITION
Nitrate	mg/l as NO <sub>3</sub>	50	0.08	4500-NO <sub>3</sub> - B., APHA, 22nd EDITION
Iron	mg/l	0.3 (3)	0.21	3112 B., APHA, 22nd EDITION
Manganese	mg/l	0.2	0.04	3112 B., APHA, 22nd EDITION
Arsenic	mg/l	0.05	<0.01	3114 C., APHA, 22nd EDITION
E.Coli	CFU/100 ml	Nil	Nil	9221 C., APHA, 22nd EDITION

NDWQS: National Drinking Water Quality Standard (2079), \* - Values are upper and lower limit, () - Values are acceptable only when alternative is not available. APHA: American Public Health Association.

Remarks: Observed values of the specified parameters are within the limit of NDWQS.

Analyzed by

Checked by

Authorized Signature

Environment Management  
&  
Analysis Services P. Ltd

## Annex VI: List of Zebra Crossings

### List of Proposed Zebra Crossings Locations

SN	Chainage	Widths	Nos.	Remarks
1	0+024	3.250	6.000	
2	0+456	3.250	6.000	
3	0+814	3.250	6.000	
4	1+129	3.250	6.000	
5	1+102	3.250	6.000	
6	1+580	3.250	6.000	
7	1+551	3.250	6.000	
8	1+786	3.250	6.000	
9	1+853	3.250	6.000	
10	2+269	3.250	6.000	
11	2+320	3.250	6.000	
12	2+459	3.250	6.000	
13	2+637	3.250	6.000	
14	2+662	3.250	6.000	
15	2+807	3.250	6.000	
16	2+836	3.250	6.000	
17	3+171	3.250	6.000	
18	3+212	3.250	6.000	
19	3+428	3.250	6.000	
20	3+598	3.250	6.000	
21	3+641	3.250	6.000	
22	3+773	3.250	6.000	
23	3+856	3.250	6.000	
24	3+985	3.250	6.000	
25	4+022	3.250	6.000	
26	4+220	3.250	6.000	
27	4+296	3.250	6.000	
28	4+384	3.250	6.000	
29	4+588	3.250	6.000	
30	4+711	3.250	6.000	



## नेपाल शहरी शासकीय तथा पुर्वाधार आयोजना

### कार्य स्थलमा हुने यौनजन्य तथा महिला हिंसा सम्बन्धी आचार सहिता

#### व्याक्तिगत आचार सहिता

म, .....यो आचार सहिता पालना गर्नु मेरो दाहित्व हो भनी स्वीकार गर्दछु। म कुनै पनि यौनजन्य तथा महिला हिंसा जस्ता कार्यमा संलग्न हुने छैन। परियोजना को काम को शिलसिलामा यो आचार सहिता पालना गर्न सहमत छु।

१. म जातजाति धर्म, भाषा, लिङ्ग, उमेर, राजनीतिक वा सामाजिक हैसियत, भौगोलिकता, पहुँच, वैवाहिक स्थिति वा अन्य कुनै पनि आधारमा भेदभाव नगरी सबैलाई सम्मानजनक र समान रूपमा व्यवहार गर्नेछु।
२. सामाजिक सन्जालको प्रयोग गरी अश्लील शब्द, दृष्य सामग्री वा कार्यलय समय अघिपछी वार्तालाप मार्फत सहकर्मि/कामदार लाई यौन दुर्व्याहार गर्ने छैन।
३. कार्यस्थलमा सिट्टी बजाउने, चुम्बन गर्ने, व्याक्तिगत उपहार दिने आदि जस्ता कार्य गरी कर्मचारी, सहकर्मि/कामदार लाई यौन दुर्व्याहार गर्ने छैन।
४. कुनै पनि प्रलोभन/ धम्की देखाई (जस्तै पदोन्नती लोभ देखाएर, जागीर नदिने धम्की दिएर शोषण गरेर आदि) यौन दुर्व्याहार पक्षमा संलग्न हुने छैन।
५. कार्य समयावधि भित्र कुनैपनि मदिराजन्य तथा लागुपदार्थको सेवन गर्ने छैन।
६. परियोजना सरोकारवाला वा वरपरका समुदायका सदस्यहरूलाई कुनैपनि म लैङ्गिक हिंसा तथा यौनजन्य दुर्व्याहार गर्ने छैन।
७. कुनै पनि कर्मचारी/श्रमिक विरुद्ध हिंसा गरिएको दोषी ठहरिएमा प्रचलित सघिय, प्रादेशिक, स्थानीय सरकार वर्ल्ड बैंक को कानून, निती नियम अनुसार सजाय/ दण्डित जरिवाना तिर्न तयार हुनेछु।
८. कार्य गर्ने शिलसिलामा सम्मानजनक निर्देशनहरूको पालना गर्दछु ( वातावरणीय + सामाजिक)
९. मेरो जिम्मेवारी कुशलता र लगनशीलता पूर्वक पुरा गर्नेछु।

### Annex VII: Code of Conduct (CoC) on GBV

१०. सम्बन्धित कार्यलय /कम्पनीले सन्चालन गरेको विभिन्न प्रशिक्षण कार्यक्रममा सक्रिय रुपमा भाग लिनेछु ।
११. परियोजनाका प्रत्यक्ष लाभदायक सदस्य/समुदायमा यौन दुर्व्याहार/शोषण गर्ने छैन ।
१२. विश्वासनीयता नैतिक उल्लघनको रिपोर्ट गरेमा कुनै कामदार विरुद्ध बदला लिने छैन ।
१३. कार्य स्थलमा लैङ्गिक सम्बेदनशिल भाषाको प्रयोग गर्दछु
१४. कार्यस्थलमा महिला हिंसा तथा यौनजन्य क्रियाकलाप लाई प्रोत्साहन गर्ने खालका गतिविधी गर्न दिने छैन ।
१५. कार्यस्थलमा महिला तथा यौन हिंसा गतिविधीहरुलाई प्रोत्साहन गर्ने छैन ।
१६. १८ वर्षभन्दा मुनिका बालिकाहरुमा कुनै डिजीटल मिडीया मार्फत वा कुनै माध्यमबाट /स्वीकृती लिई वा नलिई यौनजन्य क्रियाकलापमा सहभागी हुनेछैन, यदि नाबालिका स्वीकृती लिई यौनजन्य क्रियाकलापमा गरेमा क्षमा हुदैन ।
१७. परियोजना कार्यन्वयन को बेलामा यौनजन्य दुर्व्याहार /यौन शोषण भएमा वा आचार सहिता उल्लघन गरेमा वडा/ नगरपालिका स्तरमा रहेको गुनासो सुनवाई सयन्त्रमा तुरुन्त निवेदन/जानकारी दिनेछु ।
१८. कार्यस्थलमा कसैले यौनजन्य दुर्व्याहार सम्बन्धी शक्कापद ब्यावहार गरेमा वा शक्कापद कार्य गरेमा तुरुन्त टोली प्रमुख /प्रबन्धकलाई जानकारी/निवेदन दिनेछु ।

माथि उल्लेखित आचार सहिता राम्ररी पढे र बुझेको छु र कार्यस्थलमा कडाईका साथ पालना गर्दछु भनी हस्ताक्षर गर्दछु ।

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व्यवस्थापक/टोली प्रमुख

.....

कर्मचारी/कामदार

### Annex VIII: Photographs



Consultation with locals in ward-8



Meeting with Women Group



FGD with member of nari bikas sanstha, Ward-8



FGD with local of Ward-7



FGD with local of ward-8 (Biswobidhalaya tole)



Meeting with local people ward-7 (Gothgaun Chowk)



Consultation with local people of Talsa chowk ward-7



Consultation in ward office ward-7