

Environmental and Social Management Plan (ESMP)

Nepal Urban Governance and Infrastructure Project (NUGIP)

Upgradation of different inter connected Road
(9.929Km)

Triyuga Municipality
Udayapur District, Koshi Province
Nepal

January, 2024



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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 Project Development Objective (PDO) of NUGIP is to strengthen institutional capacity in participating municipalities for strategic municipal infrastructure and service delivery. In particular, NUGIP will aim at: a) improving access to core municipal services (includes expansion of coverage, and construction and rehabilitation of basic infrastructure systems, e.g., urban roads & storm water drainage etc) in participating municipalities; b) strengthening planning, budgeting and implementation systems for municipal service delivery; and c) strengthening municipal finances and financial management systems.

The DPR of **Upgradation Works of different interconnected Road (9.929Km) Sections** in Triyuga Municipality has been prepared as per the contract between the Office of the Municipal Executive of Triyuga Municipality; Nepal Urban Governance and Infrastructure Project (NUGIP) (Client) and JV of Bosphorous Technical Consulting Corp (BOTEK) and GOEC Nepal P. Ltd which have entered into the agreement, for performing work REF No: NP-DUDBC-216329-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 Different inter connected Road Sections in Triyuga Municipality was conducted in September/October 2023. The study and preparation of the this ESMP is guided by the Environmental and Social Management Framework (ESMF) for NUGIP.

Sub Project Title	Upgradation of Different inter connected Road Sections (9.929km)
Estimated Cost:	NPR. 677,075,718.14 (including VAT and contingency) ESMP cost for Interconnected Road: 1,700,000.00
Start/Completion Date:	January 2024 - July 2025



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2. DESCRIPTION OF THE PROJECT SITE

Triyuga is one of the eight municipalities that make up the Udayapur district of Koshi Province. The municipality's headquarters is Gaighat. The name of the municipality is taken from the Triyuga River, which passes through the town. In terms of size, Triyuga is the third-biggest municipality in Nepal and the largest in Koshi Province (area). The municipality has an area of 547.43 square kilometers. It is located between 26° 41' 17" N to 26° 56' 42" north latitudes and 86° 32' 11.5" to 86° 50' 29" east longitude. The municipality is surrounded by Mahabharat hills in north and Churey hills in south. Udayapurgadhi and Rautamai are in north of the municipality. Khotang District is in north-east and Chaudandigadhi Municipality is in east. Saptari District is in south of Triyuga Municipality.

This city is in the famous Udayapur Valley. Gaighat (other name of Triyuga) is the shadow of a historic kingdom of Sen dynasty in Udayapurgadhi (Chaudandi), this Inner Terai Valley of south-eastern Nepal has a glorious history with a bright future. Gaighat is in the plane of the Valley. Udayapur Valley is the largest valley in eastern Nepal having fabulous natural attractions such as the Triyuga river, Baruwa river flowing through the town. Koshi River is east of the city. According to the census of 2078, there are 25623 HHs having total population of 102,725, with 48,463 males and 54,262 females. This municipality is divided into 16 wards.

2.1 Location of the project

Different inter connected Road (9.929 Km) Sections is an urban road of Triyuga Municipality. Gaighat Bazar is surrounded by these roads. Gaighat is the Triyuga municipal headquarter as well as district headquarters of Udaypur district. The proposed subproject is located in Terai area and passes mainly through mixed land use having urban settlement and cultivated land. This inter connected road has seven sections, they are presented in Table 2-1.

Table 2-1 List of roads in different interconnected road sections

SN	Name of the Road	Length (Km)
1	Gaighat town planning area Road Section (1.534Km)	
	Section I	1.045
	Section II	0.489
2	City hall- Simaltar-Gaighat- Diktel Road Section	2.860
3	Babarani DM Gate Road Section	0.622
4	Fulchowk PG Chowk Road Bote Tole Triyuga Corridor section	0.900
5	City Hall- Ramchandra Basnet house section	0.255
6	Gaighat Shivalay Tole-Adarsha Tole-Ramailo Danda Manmohan School to Karamgachhi Diktel connecting Road Section	1.600
7	Pragati Tole kha (In front of Quarter) road to Sakela Road ward 12 (2.158Km)	
	Section I	0.788
	Section II	1.370
Total		9.929

The road wise location details are presented below

i. Gaighat town planning area Road Section (1.534Km)

The proposed road section lies within the Gaighat city. There are two sections of this road. Section I starts from municipality office and make rectangular section and ends at gate of municipality office. Section II starts from Sagarmatha Highway and end near Sunny Mandir.

This road passes through densely populated area of Gaighat main bazar. It passes through Adarshanagar Tole, BP Chowk, Bidhut Marga and Jyoti Marga. It crosses two highways (Sagarmatha and Madan Bhandari) in different locations. This road rounds the main crossing of Sagarmatha and Madan Bhandari Highway. It directly serves the people of ward 11 of Triyuga municipality.

ii. City Hall Simaltar Gaighat Diktel road section (2.86Km)

This road start from main chowk of Gaighat bazar and end at Gaighat-Diktel Road (section of Sagarmatha Highway). This road connects the core Gaighat city area to the Gaighat-Diktel road section via Simaltar. This road passes through major place i.e Pipal Chowk, InnarChowk, Janmukhi Chowk, Patandevi Tole and simaltar area. It is the one of the oldest routes to reach Gaighat-Diktel road from main chowk of Gaighat. It directly benefits the people of ward 11 of Triyuga municipality.

iii. Babarani DM Gate Road Section (0.622Km)

This road start from Babarani chowk which lies in Madan Bhandari highway and ends at DM Gate of Sagarmatha Highway. This road connects core city of Gaighat-to-Gaighat bus park through Sagarmatha highway. It directly serves people of ward 11 of Triyuga municipality.

iv. Fulchowk PG Chowk Road Botetole Triyuga Corridor section (0.9Km)

This road start from Fulchowk (a point of Purano Gaighat Bisanpur road section) and ends at Triyuga corridor which further connects with Sagarmatha highway. This road passes through Fulchowk, Bote tole, Sagarmatha tole and Sansari marga. This road serves people of ward 12 of Triyuga municipality.

v. City hall Ramchandra Basnet house Road Section (0.255Km)

This road starts from Ch 0+260 of City Hall Simaltar Gaighat Diktel road. This road is a branch road of City Hall Simaltar Gaighat Diktel road. It serves the people of Ward 11 of Triyuga municipality.

vi. Gaighat Shivalay Tole-Adarsha Tole-Ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section (1.6Km)

An alignment of length 1.60 Km starts from Shivalaya chowk (Ch 1+300) of City Hall Simaltar Road. It passes through Adarsha tole, Ramailo danda, Ncell danda, Manmohan school and ends near Karamgachhi (Ch 1+600) of Ward no. 10.

vii. Pragati Tole kha (Quarter front) road to Sakela Road ward 12 (2.158Km)

This road starts from the PG chowk of Madan Bhandari highway and is further divided into two sections, one section having 788 m length and the other section having 1370 m length. The second section starts from the first sections Ch 0+250. This road passes through Pragati tole, Bishalnagar tole, Sakela tole, Sakela Park, basic health center, football ground and ends at Pragati Tole. This road serves the people of ward 12 and 13 of Triyuga municipality.



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2.2 Land use

The proposed roads are opened track and vehicles are moving throughout the road sections. The ROW was declared in 2055 BS by Municipality with the help of "Eastern area Directorate" under Ministry of Building and Physical planning, Government of Nepal. According to declared criteria-2055 by "Eastern Area Directorate", the ROW of different interconnected road sections is Shown in Table 2-2 and related documents are attached along with a municipal clarification letter in Annex II of this report.

The land within the proposed formation width of proposed interconnected road sections is already in use by the public. The project does not run through any ecologically sensitive area such as protected area, conservation area, wetland, national parks etc. No historical or archaeological sites are located within the project area.

Table 2-2: RoW details of the Inter-connected Road Sections

SN	Name of the Road/ Section	Length (Km)	RoW (m)	Existing Formation width* (m)	Proposed Formation width (m)	Remarks
a.	Gaighat Town planning area road					
	Section I	1.45	12 for 0+000 to 0+140. 18 for 0+140 to 1+010 10 for 1+010 to 1+045	12 for 0+000 to 0+140, 18 for 0+140 to 1+010 10 for 1+010 to 1+045	12 for 0+000 to 0+140, 17.5 for 0+140 to 1+010 8 for 1+010 to 1+045	Type_1 Type_2 Type_3
	Section II	0.489	12 for 0+000 to 0+489	11.5 for 0+000 to 0+240 8 for 0+240 to 0+489	11.5 for 0+000 to 0+240 8 for 0+240 to 0+489	Type_4 Type_3
b.	City hall- Simaltar-Gaighat- Diktel Road Section					
		2.86	20	20 for 0+000 to 0+260 13 for 0+260 to 2+820 10.65 for 0+820 to 2+860	20 for 0+000 to 0+260 13 for 0+260 to 2+820 10.65 for 2+820 to 2+860	Type_5 Type_6 Narrow section
c.	Babarani DM Gate Road Section					
		0.622	8	8 for 0+000 to 0+260 6.3 for 0+260 to 0+420 8 for 0+420 to 0+520 6.75 for 0+520 to 0+610 8 for 0+610 to 0+622	8 for 0+000 to 0+260 6.3 for 0+260 to 0+420 8 for 0+420 to 0+520 6.75 for 0+520 to 0+610 8 for 0+610 to 0+622	Type_3 Narrow Type_3 Narrow Type_3
d.	Fulchowk PG chowk Road Botetole Triyuga Corridor section					
		0.9	8	8	8	Type_3
e.	City hall- Ramchandra Basnet house section					
		0.255	8	8 for 0+000 to 0+160 6.3 for 0+160 to 0+240 8 for 0+240 to 0+255	8 for 0+000 to 0+160 6.3 for 0+160 to 0+240 8 for 0+240 to 0+255	Type_3 Narrow Type_3
f.	Gaighat Shivalaya Tole-Adarsha Tole-Ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section					
		1.6	8	8	8	Type_3
g.	Pragati tole kha (Infront of Quarter) ko road to Sakela road ward 12					
	Section I	0.788	10	8	8	
				8 for 0+000 to 0+560 6.3 for 0+560 to 0+600 8 for 0+600 to 0+740 6.3 for 0+740 to 0+760 8 for 0+760 to 0+788	8 for 0+000 to 0+560 6.3 for 0+560 to 0+600 8 for 0+600 to 0+740 6.3 for 0+740 to 0+760 8 for 0+760 to 0+788	Type_3 Narrow Type_3 Narrow Type_3
	Section II	1.37	10	8	8	Type_3

*Formation width: Drain to drain width of the road.

2.3 Topography and Hydrology

Triyuga Municipality located in the central part of Udaypur District is a commercial contact center between the Terai and the mountains and is an entry way of the Sagarmatha highway. It is an important connecting centre of the hill districts of Khotang, Okhaldhunga and Solukhumbu with Terai, Triyuga municipality. The geography of Chure region in the south and Mahabharata range in the north to the Sunkoshi River covers a large area. In this municipality which has a heterogeneous structure, there are scattered and thinned settlements between the Mahabharat range and flat plains between Mahabharat range and Chure area on the southern border. This municipality is considered as inner Madesh as it is a large long shaped land between Mahabharat range and Chure range. The major rivers flowing through this municipality as Koshi, Triyuga and Baruwa. The altitude of the municipality is ranges from 70m to 2509m from sea level. The proposed road alignment lies in the Sub Himalayan range. The alluvial river deposit is the most predominant along the road alignment.

Road alignments does not cross any river. Number of small seasonal small Hume pipe crosses the alignment at different Chainage which details are presented in Table 2-4. Department of Hydrology and Meteorology (DHM) data of 24-hour maximum rainfall for Gaighat (Index no. 1227) station is used for analysis of side drain and cross drain. Average annual precipitation of Gaighat is 131.88 mm. The latitude, longitude and elevations of the nearest station are shown in Table 2-3.

Table 2-3 :Details of Hydrology Station near Triyuga Municipality

Station Name	Index no.	Latitude	Longitude	Elevation (m)
Triyuga	1227	26°47'N	86°43'E	152

Table 2-4 Natural Drainage Existed Along the Road Alignment

SN	Name of the Road	Chainage	Natural Drainage	Adopted Structures	Remarks
1	Gaighat town planning area Road Section		NA		Highway crossing only.
2	City hall- Simaltar-Gaighat-Diketel Road Section	2+817	Crossing	0.6m dia Hume pipe	Crossing
		1+125	Crossing	Box Culvert (1.5*1)	
		1+938	Crossing	Box Culvert (1.5*1)	
3	Babarani DM gate Road Section	0+621	Drain crossing	Box Culvert (1.5*1)	
4	Fulchowk PG chowk Road botetole Triyuga Corridor section	0+179	Crossing	0.6m dia Hume pipe	Crossing
		0+885	Crossing	1.2m dia Hume pipe	Strome water crossing
5	City hall- Ramchandra Basnet house section	0+255	Crossing	Box Culvert (2*2)	
6	Gaighat Shivalay tole- Adarsha tole-ramailo danda manmohan school to karamgachhi diketel connecting Road Section	0+150	Crossing	0.6m dia Hume pipe	Crossing
		0+630	Crossing	Box Culvert (1.5*1)	Drain Crossing
		1+050	Crossing	Box Culvert (1.5*1)	Drain Crossing
		1+378	Crossing	0.9m dia Hume pipe	CS Structure
		1+598	Crossing	Box Culvert (1.5*1)	Crossing
7	Pragati tole kha (Infront of Quarter) ko road to Sakela road ward 12 Section I	0+451	Crossing	0.6m dia Hume pipe	Crossing
		0+787.5	Crossing	Box Culvert (1.5*1)	Drain Crossing



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SN	Name of the Road	Chainage	Natural Drainage	Adopted Structures	Remarks
	Section II	0+770	Crossing	0.9m dia Hume pipe	Outlet towards river
		0+978	Crossing	0.6m dia Hume pipe	Crossing
		1+022	Crossing	0.6m dia Hume pipe	Drain crossing
		1+318	Crossing	Box Culvert (1.5*1)	Crossing

2.4 Landslide and unstable slopes

As per field study, 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

Udayapur has a Temperate highland tropical climate with dry winters climate (Classification: Cwb). The district's yearly temperature is 17.42°C (63.36°F) and it is -4.58% lower than Nepal's averages. Udayapur Garhi typically receives about 253.05 millimeters (9.96 inches) of precipitation and has 199.06 rainy days (54.54% of the time) annually. Monsoon rain occurs from the month of Ashad to month of Ashwin. Road alignment does not cross any major river and streams however rainwater is discharged in natural gully.

Since this road sections lies within the municipality city area having dense, scattered settlements and cultural cultivated land. There is no any forest and rivers within the alignments. Therefore there is no direct effect for the biological aspect of the environment. It is not a habitat for terrestrial fauna and avifauna. Major trees, Wildlife and Aquatic species found in this municipality area are presented in Table 2-5, 2-6 and 2-7 respectively.

Table 2-5 Major Tree Species found in Municipality Area

SN	Scientific Name	Common Name	Use
1.	Ficus religiosa	Pipal	Hardwood
2	Musa acuminata Colla	Banana (kyare)	Fruit
3.	Areca Catechu	Supari	Fruit
4.	Dalbergia Sissoo	Sissoo	Timber
5.	Magnifera indica	Aanp	Fruit/Fuelwood
6.	Melia azadirach	Bakaino	Fuelwood/Fodder
7.	Saraca asoca	Ashoka	Ornamental
8.	Psidium guajava	Amba	Fruit/Fuelwood
9.	Musa balbisiana	Banana	Fruits

Table 2-6 Major Wildlife found in the Municipality Area

SN	Local Name (Nepali Name)	English Name	Scientific Name	Remarks
Wildlife: Animal				
1	म्याल	Wolf	Canis lupus	
2	बादर	Monkey	Macaca mulatta	
Major Birds				
1	काग	Crow	Corvus brachyrhynchos	

SN	Local Name (Nepali Name)	English Name	Scientific Name	Remarks
2	मृग	Parrot	Phaethontidae Psittaciformes	
3	भगेम	Sparrow	Ploceidae Passer	

Table 2-7 Major Aquatic species found in the municipality area

SN	Local Name (Nepali Name)	English Name	Scientific Name	Remarks
1	जुगे माछा	Gangetic mystus	Mystus cavasius	
2	चामे माछा	Cuchia	Monopterusuchia	
3	भ्यामृता	Frog	Rana tigrina	
4	मगटो	Crab	Carcinus maenas	

2.6 Air Quality

Air quality of the project area was tested by instrument in two locations which covers both priority one and priority two roads. Instruments were placed in chainage 0+000 of Gaighat town planning area road section and Chainage 1+460 of City Hall Simaltar Gaighat Diktel road section for air quality monitoring. The real time based 24 hours average TSP, PM10, PM2.5 and CO were 164.5 $\mu\text{g}/\text{m}^3$, 77.3 $\mu\text{g}/\text{m}^3$, 32 $\mu\text{g}/\text{m}^3$ and 230 $\mu\text{g}/\text{m}^3$ respectively at the Gaighat town planning area road section. Similarly, the real time based 24 hours average TSP, PM10, PM2.5 and CO were 131.4 $\mu\text{g}/\text{m}^3$, 58.4 $\mu\text{g}/\text{m}^3$, 14.1 $\mu\text{g}/\text{m}^3$ and 230 $\mu\text{g}/\text{m}^3$ respectively at the City Hall Simaltar Gaighat Diktel road section. 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.

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_x), nitrogen oxide (NO_x), carbon dioxide (CO₂) and particulates.

For maintaining the quality of air in construction site, during construction, water -will be sprayed on the road surface and 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

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 water borne diseases, effect on downstream aquatic life will be direct in nature, low in magnitude, local in extent and of short-term in duration.



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Spoil should be disposed off at designated spoil sites 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. 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 at Gaighat town planning area road was 54.2dB(A) and 47.8dB(A) respectively and Chainage at City Hall Simaltar Gaighat Diktel road was 53.1dB(A) and 48.9dB(A) respectively. The observed daytime and nighttime average sound pressure level 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 heavy construction equipment movement in the site should be maintained in the day time only. Vibration effects are closely observed and may need to do vibration activities by considering local requirements 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 RoW width are presented in the tables below.

Water Supply pipelines

As per field study, consultation and discussion with the Municipality representatives and Triyuga Small Town Water Supply Committee, there is presence of existing water supply pipeline along the alignment. In most of the sections of interconnected roads, there are two parallel pipelines placed for supply of water for community use. It has been proposed that, water pipes are carefully handled during construction and necessary estimation for pipe relocation and new construction has been proposed in DPR and relocate/new pipelines will be laid in edge of road i.e under the footpath during the construction of road project. Necessary consultation with Triyuga Small Town Water Supply Committee was conducted during field study. The list of existing pipelines along the alignment are listed in Table 2-8.

For continuous flow of water, there are existing two sets of pipes running parallel to the alignment. The arrangement should be made for continuous flow of one pipeline at a time or using the drinking water supply tank during construction. So that, there will be minimal disturbance due to relocation/new construction of water supply pipelines during construction/relocation.

S. N.	Road Name	Chainage	Name of temples/ resting places/ other community owned structures	Type	Remarks
3	Babarani DM gate Road Section	NA			
4	Fulchowk PG chowk Road Botetole Triyuga Corridor section	0+000	Fulchowk	Resting place	Left side, will not be affected
5	City hall- Ramchandra Basnet house section	NA			
6	Gaighat Shivalav tole- Adarsha tole-Ramailo danda Manmohan school to Karamgachhi Dikel connecting Road Section	1+200	Pipal tree with Shiva Mandir	Temple	Left side, will not be affected
7	Pragati tole kha (In front of Quarter) ko road to sakela road ward 12				
	Section I	NA			
	Section II	0+700	Sakela Park	Park	Left side, will not be affected
		1+028	Puspapal Statue		Road center, will not be affected

Source: Field survey 2023

Schools

Here is the list of schools which are lies along the alignment and near to the road alignment. The physical structures of these schools won't be affected by upgradation works. Necessary consultation with school management were conducted during field study. Footpath, necessary road safety signs i.e. zebra cross, sign board etc has been proposed. In these sections, the road is wider than other section to ease the student flow during school hours.

Table 2-10: Schools in and near the road alignment

S.N.	Road Name	Chainage	School Name	Place/ Settlement	Remarks
1	Gaighat town planning area Road Section	NA			None of the structures of school will be affected during construction
2	City hall- Simaltar-Gaighat- Dikel Road Section	NA			
3	Babarani DM gate Road Section	NA			
4	Fulchowk PG chowk Road Botetole Triyuga Corridor section	NA			
5	City hall- Ramchandra Basnet house section	NA			
6	Gaighat Shivalay tole-Adarsha tole-ramailo danda Manmohan school to Karamgachhi Dikel connecting Road Section	1+550	Manmohan school	Khashi Bazar, Karamgachhi	
7	Pragati tole kha (In front of Quarter) ko road to sakela road ward 12	NA			

Source: Field survey 2023

Existing Storm water drainage structures

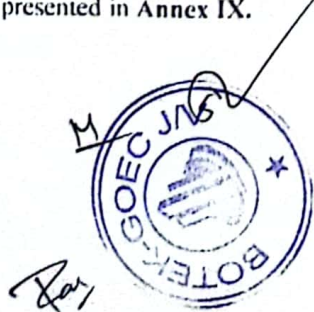
Table 2-11: Existing storm water drain details

SN	Name of the Road	Chainage		Direction	Remarks
		FROM	TO		
1	Gaighat town planning area Road Section Section I	0+000	0+060	Left and Right	Proposed for re- construction
		0+080	0+280	Left and Right	
		0+300	0+560	Left and Right	
		0+580	0+840	Left and Right	
		0+860	1+000	Left and Right	
		0+000	0+489	Left & Right	
2	City hall- Simaltar-Gaighat- Diktel Road Section	0+000	0+190	Right & Left	
		0+210	0+255	Right & Left	
		0+260	0+310	Right & Left	
		0+315	0+415	Right & Left	
		0+420	1+920	Right	
		1+945	1+965	Right	
		1+990	2+040	Right	
		2+050	2+460	Left & Right	
3	Babarani DM gate Road Section	0+000	0+620	Left and Right	
		0+000	0+900	Left & Right	
4	Fulchowk PG chowk Road Botetole Triyuga Corridor section	0+000	0+900	Left & Right	
5	City hall- Ramchandra Basnet house section	0+000	0+150	Left	
6	Gaighat Shivalay tole-Adarsha tole- Ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section	0+000	1+190	Left	
		0+000	0+250	Right	
		1+050	1+600	Right	
7	Pragati tole kha (In front of Quarter) ko road to Sakela road ward 12	0+000	1+370	Left & Right	
		0+000	0+787	Left & Right	

Source: Field survey 2023

Existing Electric lines

In the whole alignment, the road section has 167 electric poles with in construction width of proposed subprojects which needs to be relocated during construction. Details of electric poles which needs to be relocated during construction are presented in below Table 2-12 and further chainage wise details are presented in Annex IX.



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Table 2-12: Road wise Existing pole details

SN	Road Name	Number	Remarks
1	Gaighat town planning area Road Section	47	
2	City hall- Simaltar-Gaighat- Diktel Road Section	47	
3	Babarani DM gate Road Section	4	
4	Fulchowk PG chowk Road Botetole Triyuga Corridor section	8	
5	City hall- Ramchandra Basnet house section	5	
6	Gaighat Shivalay tole-Adarsha tole-Ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section	29	
7	Pragati tole kha (Infront of Quarter) ko road to Sakela road ward 12	27	
Total		167	Nos.

Source: Field survey 2023

2.10 Demography of the project area

The total population of Udayapur District, according to the Census of Nepal, 2021 (2078 B.S.) conducted by National Statistics Office (NSO) is 340,721 and the number of households is 81,089. The average household size of the district is 4.20, which is lower than that of the national average (4.37). The total population of Triyuga Municipality is 102,725 and total household is 25623. The average household size of the Municipality is 4.01 which is lower than that of district household size (4.20). The male and female population of the municipality is 48463 and 54262 respectively and sex ratio is 89.31.

Table 2-13 Population and Household details of affected wards

Ward No.	Name of the road	House hold	Population			Average Household size	Sex ratio
			Total	Female	Male		
10	<ul style="list-style-type: none"> Gaighat Shivalay tole-Adarsha tole-Ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section 	2125	8265	4381	3884	3.89	88.66
11	<ul style="list-style-type: none"> Gaighat town planning area Road Section, City Hall Simaltar Gaighat Diktel road section Babarani DM Gate Road Section City Hall Ramchandra Basnet house Road Section Pragati tole kha (Quarter front) ko road to Sakela road ward 12 	2973	11400	6065	5335	3.83	87.96
12	<ul style="list-style-type: none"> Fulchowk PG Chowk Road Botetole Triyuga Corridor section 	1882	7907	4137	3770	4.2	91.13
13	<ul style="list-style-type: none"> Pragati tole kha (Quarter front) ko road to Sakela road ward 12 	1638	6386	3404	2982	3.90	87.60

Source: NSO, 2021

2.11 Settlements

There is presence of dense and scattered settlement within the project area of interconnected roads. The major settlement along the alignments is listed below.

- Gaighat town planning area Road Section: Gaighat Bazar, Adarshanagar tole, BP chowk, Bidhut marga and Jyoti marga.
- City Hall Simaltar Gaighat Diktel road section: Pipal chowk, Innar chowk, Janmukhi chowk, Putandevi tole and Simaltar
- Babarani DM Gate Road Section: Babarani tole
- Fulchowk PG Chowk Road Botetole Triyuga Corridor section: Fulchowk, Bote tole, Sagarmatha tole and Saisai marga.
- City Hall Ramchandra Basnet house Road Section: City Hall
- Gaighat Shivalay tole-Adarsha tole-ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section: Adarsha tole, Ramailo danda, Ncell danda, Manmohan school and Karamgachhi
- Pragati tole kha (Quarter front) ko road to Sakela road ward 12 road: Pragati tole, Bishalnagar tole, Sakela tole, Sakela Park

2.12 Land availability

The project area consists of dense settlement in town planning, City Hall Simaltar and Babarani DM Gate Road section and other roads alignment have scattered settlements with cultivated land. All the proposed roads are operating and vehicles have been plying throughout the road sections. The ROW was declared in 2055 BS by Municipality with the help of "Eastern area Directorate" under Ministry of Building and Physical planning, Government of Nepal. The land within the proposed formation width which is the existing road width is already in use by the public. However, due to the availability of existing road width in a few locations the construction width of the roads is reduced. The details are presented in Table 2-2 (Section 2.2: Land use). Further, the details of RoW, existing formation width, proposed formation width and carriageway widths are presented in Table 3-1, Salient features. Thus, there are no any impacts on structures, private or public/ temporary or permanent structures due to upgradation works. so, the additional land won't be necessary for this sub-project for the upgradation works.

2.13 Physical Structures

There are no any public as well as private structures present along the formation width of this sub-project. Therefore the alignment is clear for the construction of work.

2.14 Caste/Ethnicity

The caste/ethnicity wise details of households are presented in Table 2-14. There is presence of mixed groups and cluster of groups of castes in the project area. The necessary consultations with these groups were conducted during field study. The consultations with different groups including IPs were also organized during filed study. The consultation summary with different groups is presented in chapter 5 of this report.



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Table 2-14: Caste/Ethnicity of People along proposed interconnected road alignment

SN	Name of the Road	Gaighat townplanning area Road Section	City hall simaltar Gaighat Diktel road section	Bal arani DM Gate Road Section	City Hall Ramchandra Basnet house Road Section	Gaighat Shrivalay tole- mamohian school to karamgachhi diktel Road	Fulchowk FG Chowk Road Botetole Triyuga Corridor section	Prigati tole kha (Quarter front) ko road to Sakela road ward 12	Total Household Nos.	%	Remarks
		HH	HH	HH	HH	HH	HH	HH			
1	Brahmin	72	20	1	7	1	8	16	125	13.23	Khas/ Arya
2	Chhetri	88	70	17	4	17	7	18	221	21.33	Khas/ Arya
3	Tharu	20	15	4	0	4	23	3	69	13.07	IP
4	Rai	45	30	7	4	7	14	20	127	16.12	IP
5	Magar	20	5	0	2	0	4	0	31	7.30	IP
6	Madheshi	53	10	15	0	15	9	0	102	9.94	
7	Newar	30	20	5	3	5	6	2	71	5.69	IP
8	Pariyar	10	0	0	0	0	0	0	10	0.80	Dalit
9	Biswokarma	5	3	0	0	0	1	15	24	2.73	Dalit
10	Muslim	5	0	7	0	7	0	0	19	1.52	
11	Pariyar	2	7	0	0	0	1	18	28	2.25	Dalit
12	Bote	0	18	0	0	0	18	0	36	2.89	IP
13	Majhi	0	0	1	0	1	0	0	2	0.16	IP
14	Danuwar	0	0	2	0	2	0	0	4	0.32	IP
15	Muchar	0	0	0	0	0	5	0	5	0.00	
16	Sharki	0	0	0	0	0	0	8	8	0.64	Dalit
	Total	350	198	59	20	59	96	100	882	100	

Source: field study 202

2.15 GBV, SEA / SH

During the field study, group discussions, interviews and meetings revealed that there is gender-based violence in the project area. In the focus groups discussion people said that some domestic (mental) and economic violence is present in the area. The municipal social section record also shows that GBV present within the municipality. There are more than 39 consultations (KII, FGD and meetings) were conducted during preparation of ESMP. During the consultations, 427 numbers of people participated. The male and female participants were 246 (57.61%) and 181 (42.39%). Most of the local women were not aware about the provisions of complaint registering through toll free number 1145 facilitated by National Women Commission. Details of violence present within the municipality are presented in the Table 2-15 and related document attached in Annex-II. According to municipal data, issues on GBV/SEA/SH are taken for planning and mitigation measures which are presented below. Necessary mitigation programs are planned and implemented during construction of sub project.

As a part of the project compliance, an Anti-Harassment Cell and GRC has been formed in Triyuga Municipality with dedicated focal person. Mr Raj Kumar Khadka is appointed for focal person 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 empathetic support to the victim and ensuring prevention of harassment through proper redressal of the case. The cells process individual complaints and take appropriate action in accordance with the guidelines provided by the respective authorities.

Table 2-15: GBV Cases of Municipality

SN	Identified Cases	Number			Total	Remarks
		F/Y 2077-078	F/Y 2078-079	F/Y 2079-080		
i.	Physical Abuse	13	29	25	67	
ii.	Polygamy	3	6	5	14	
iii.	Railing (गालीगलौज)	4	8	20	32	
iv.	Mental Abuse	2	8	13	23	
v.	Character Abuse	6	2	3	11	
vi.	Resource violence	2	4	2	8	
vii.	Child Marriage	15	7	5	27	
viii.	Rape/Sexual violence	21	7	13	41	
ix.	Rape attempt	2	4	2	8	
x.	Sexual abuse	4	0	0	4	
xi.	Women trafficking	0	0	1	1	

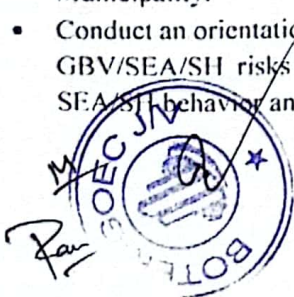
Source: Municipality Social section, Triyuga Municipality

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

- Physical & mental abuse
- Sexual violence/rape cases
- Child marriage

For mitigation of SEA/SH, and GBV during the construction phase, the following activities are proposed and will be implemented which needs to continue in the operation stage also. For carrying out these activities, the mitigation action plan is prepared, budget is estimated and included in ESMP. The overall responsibility of carrying out these activities will be on PIU/DSC and contractor based on the activities. Awareness programs related to community and workers, for reduction of sexual violence/rape cases.

- Awareness Program for physical/mental abuse in the project area.
- Awareness raising in Schools on **Child marriage**.
- 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 behavior and the provision of punishment for breaching of the code of the conduct.



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3. DESCRIPTION OF THE PROJECT AND ITS ACTIVITIES

The upgrading of Different inter connected Road (9.929Km) Sections have seven roads which are interconnected each other through two highways. These roads are starts from highway (Sugarmatha and Madan Bhandari), also intersects by these two highways in different locations. The overall length of the proposed road is 9.929 Km. These roads pass through ward no 10,11, 12 and 13 of Triyuga Municipality. The settlement of this municipality lies in the plain Area of inner Terai. The road section requires pavement reconstruction to maintain acceptable levels of service.

The ROW was declared in 2055 BS by Municipality with the help of "Eastern area Directorate" under Ministry of Building and Physical planning, Government of Nepal. The Salient features of the road along with declared RoW, existing width, proposed formation width, proposed carriage way width of the road is presented in Table 3-1. The components of the proposed roads are improvement of pavement, Construction of footpath, side drains, road crossings, retaining wall/breast wall, zebra crossing, shifting of electric poles and improvement of the road furniture.

3.1 Salient Features of the Project

Salient features of the proposed Different inter connected Road Sections are shown in Table 3-1.

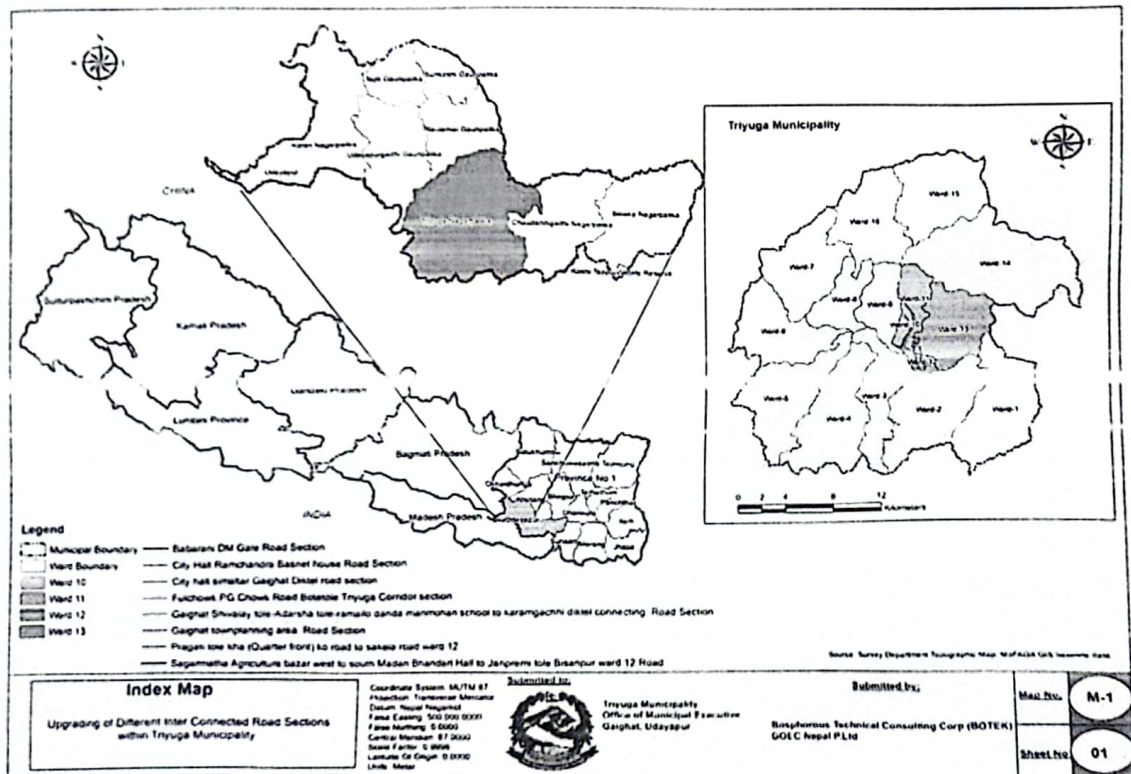


Figure 3-1: Index Map

Table 3-1: Salient features of Inter-connected Road sections

SN	Description	Description				
1	Name of the Road	Different inter connected Road (9.929 Km) Sections				
2	Road Type	Urban/ Local Road (NITRS 2076)/ Collector Road				
3	Proposed road length	9.929 Km				
4	Number of Lane	Four and Two Lane				
5	Road Attributes	Length (Km)	Row (m)	Existing Formation width* (m)	Proposed Formation width (m)	Proposed Carriage way Width (m)
a.	Gaighat town planning area road Section I	1.45	12 for 0+000 to 0+140, 18 for 0+140 to 1+010 10 for 1+010 to 1+045 12 for 0+000 to 0+489	12 for 0+000 to 0+140, 18 for 0+140 to 1+010 10 for 1+010 to 1+045 11.5 for 0+000 to 0+240 8 for 0+240 to 0+489	12 for 0-000 to 0+140, 17.5 for 0+140 to 1+010 8 for 1+110 to 1+045 11.5 for 0+000 to 0+240 8 for 0+240 to 0+489	7.5 13 5.5 7 5.5
b.	City hall- Simaltar-Gaighat- Diktel Road Section	2.86	20	20 for 0+000 to 0+260 13 for 0+260 to 2+860	20 for 0-000 to 0+260 13 for 0-260 to 2+820 10.65 for 2+820 to 2+860	16 7.5 6.5
c.	Babarani DM Gate Road Section	0.622	8	8 for 0+000 to 0+260 6.3 for 0+260 to 0+420 8 for 0+420 to 0+520 6.75 for 0+520 to 0+610 8 for 0+610 to 0+622	8 for 0+000 to 0+260 6.3 for (+260 to 0+420 8 for 0+120 to 0+520 6.75 for 0+520 to 0+610 8 for 0+510 to 0+622	5.5
d.	Fulchowk PG chowk Road Botelele Triyuga Corridor section	0.9	8	8	8	5.5
e.	City hall- Ramchandra Basnet house section	0.255	8	8 for 0+000 to 0+160 6.3 for 0+160 to 0+240 8 for 0+240 to 0+255	8 for 0+000 to 0+160 6.3 for (+160 to 0+240 8 for 0+240 to 0+255	5.5
f.	Gaighat Shivalay tole-Adarsha tole-Ramailo danda Mannohan school to Karamgachhi Diktel connecting Road Section	1.6	8	8	8	5.5
g.	Pragati tole kha (In front of Quarter) ko road to Sakela road ward 12					







SN	Description	Length	Description	Description		Kilometers
				8 for 0+000 to 0+560	8 for 0+700 to 0+560	
	Section I	0.788	10	6.3 for 0+560 to 0+600 8 for 0+600 to 0+740 6.3 for 0+740 to 0+760 8 for 0+760 to 0+788	6.3 for 0+560 to 0+600 8 for 0+600 to 0+740 6.3 for 0+740 to 0+760 8 for 0+760 to 0+788	5.5
	Section II	1.37	10	8	8	5.5
6	Camber of Carriage way	2.50%				
7	Pavement Surfacing	40 mm A phalt 0.15 in Base 0.15 in Sub-base				
8	Terrain Type	Plain				
9	Climate	Tropical				
10	Geology	Sub Himalayan				
11	Wards & Major settlements	Triyuga Municipality - 10, 11, 12 and 13 Gaigai Chowk, Adarshanagar tole, BP Chowk, Bidhur marga, Pipal chowk, Innar chowk, Janmukhi chowk, Simatlar, Baharani tole, Fulchowk, Bote tole, Sagarmatha tole, Sansari marga, Cirv Hall, Adarsha tole, Ramchilo chanda, Karangachhi, Pragati tole, Bishalnagar tole, Sakela tole				
Design Parameters						
12	Design speed of Road	30 km/hr				
13	Design Life of Road	20 Years				
14	Maximum Gradient	4%				
15	Minimum Gradient	0.35%				
16	Total cost of EMP	NPR. 171,000.00				
17	Total Project cost	NPR. 67,075,718.14 (including VAT and contingency)				
18	Cost per km	NPR. 68,91,733.12 (including VAT and contingency)				

* Note: Right of Way- R/W defined by the municipal authority.

Road Formation Width- Road width from drain to drain:

Carriageway Width- Black topped road width.

3.2 Proposed Campsite and Stockpile Area

During the field study, the campsite and stockpile area has been identified. The proposed campsite and stockpiling area are government land having an area of about 31436 Square meters which is situated near the north side of proposed Baruwa Bus Park (Sakela Area). It is 600 m far from the proposed site. It is an open ground area situated near Sakela Tole and can be used for contractor's campsite and stockpiling of the construction materials. The existing land is barren land having some vegetation. Required facilities like separate male and female camps and toilets will be constructed during construction phase. Necessary consultation with municipality along with locals were conducted with presence of Mayor. The minutes related to consultation is attached in Annex II.

Table 3-2: Campsite and Stockpiling Location Details

SN	Description	Easting	Northing	Available Area (Sqm)	Remarks
1	Camp site	471259.33m E	2963533.47m N	2884	
2	Stockpile area	471252.25 m E	2963346.15 m N	7289	
3	Solid Waste management area	471255.50m E	2963501.14m N	50	Within camp area

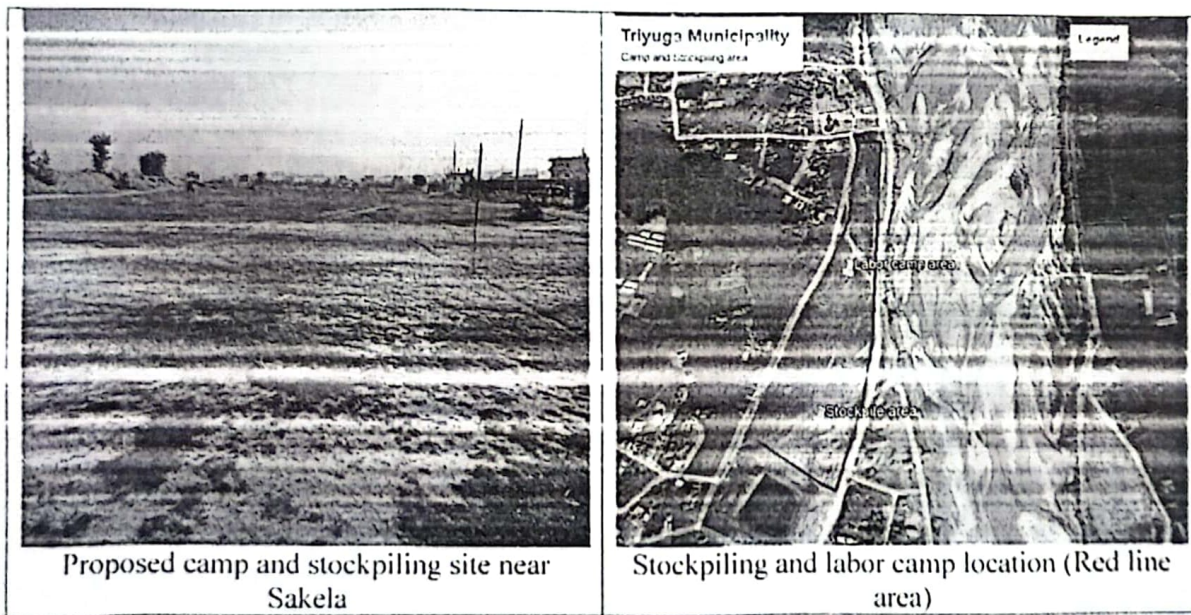


Figure 3-2: Proposed camp and stockpiling site

3.3 Solid Waste Management

Solid waste generated from the labor camps will be disposed within the proposed camp site. Soak pits or septic tanks will be established for the sanitation units/latrines at appropriate location within campsite. As the labor camp/stockpiling area is big, contractor will use one point (471255.50m E, 2963501.14m N), tentative area 50sqm) for solid waste management. 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 consultation with the local ward/municipal authority

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through existing solid waste management (collection & disposal) system of the municipality. The land will be cleared and restored to the satisfaction of the Municipality.



Picture: 1 : Solid waste management area

3.4 Spoil Management

As per the DPR of the road, there is earth cutting (26,251.83 m³) of earthwork is more than filling work (11,151.88 m³). After the backfilling, 15,099.95 m³ construction spoil will need to be managed in appropriate site. An open public space located around 500 m from Sagarmatha agri road section II end point (near Bisanpur Harid Park ward-12) with area of around 10,000 sq.m has been proposed as spoil disposal site which is the government land and far from the nearby settlement. Municipality letter related to spoil management site is attached in Annex II. Construction debris will be disposed at designated spoil site only and 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. The land will be cleared and restored to the satisfaction of the Municipality by following environmental obligations.

Table 3-3: Details of Spoil Generated by Subproject

S.N.	Name Of Road	Cut Quantity (m ³)	Fill Quantity (m ³)	Remat
1	Gaighat Town Planning Road			
	Section-I	5542.37	345.76	

S.N.	Name Of Road	Cut Quantity (m3)	Fill Quantity (m3)	Remarks
	Section II	962.56	349.877	
2	City hall simaltar Gaighat Diktel road section	8714.38	3944.275	
3	Babarani DM Gate Road Section	1581.113	175.747	
4	Fulchowk PG Chowk Road Botetole Triyuga Corridor section	1283.07	1269.24	
5	City Hall Ramchandra Basnet house Road Section	462.64	134.365	
6	Gaighat Shivalay tole-Adarsha tole-ramailo danda manmohan school to karamgachhi diktel connecting Road Section	4963.542	1753.892	
7	Pragati tole kha (Quarter front) ko road to sakela road ward 12			
	Section I	1222.72	484.076	
	Section II	1519.432	2694.65	
	Total	26,251.827	11,151.882	

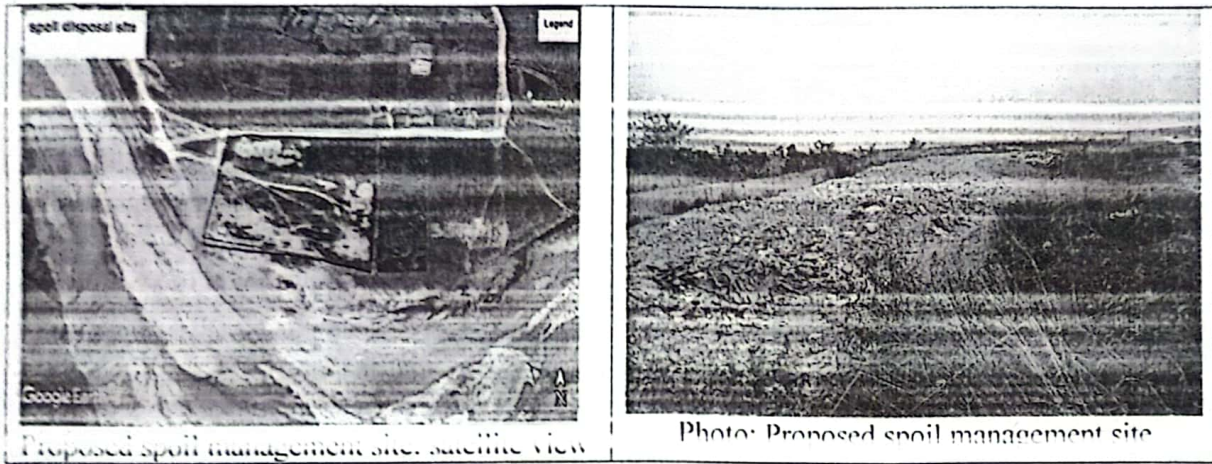


Figure 3-3: Proposed spoil management site

3.5 Quarry Sites

The upgrading of road will require boulders, sand and aggregate for activities like gravelling, construction of retaining walls, cross drainage, side drains, road furniture and other structures. 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 IEE approved quarry sites at the Baruwa Khola, Triyuga Khola and Sunkoshi Khola (which have already received the environment clearance, IEE approval) within the Municipality. The details of quarry name and available quantity are presented in Table 3-4 and the quarry site is shown in below Map (Figure 3-4).

Table 3-4: Quantity of Sand, Aggregate and Stone required for the sub project construction

SN	Particulars	Quantity (m3)	Remarks
1	Sand	3764.38	
2	Stone	975.18	
3	Aggregate	43,584.72	



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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 3-3: IEE Approved Quarry site description

SN	Quarry Name	Ward No	Northing	Easting	Available quantity (m3)/year	Remarks
1	Babari (Rato Pahi)	10	26°49'18.08" to 26°49'8.37" N	86°42'1.40" E to 86°42'7.47" E	9660	Approved IEE of these sites is not mentioned separate volume of the stone, aggregate and sand to be available
2	Bisanpur	12	26°46'36.17" N to 26°46'16.76" N	86°43'11.18" E to 86°43'26.15" E	25375	
3	Sakela	11, 13	26°48'5.09" N to 26°47'36.63" N	86°42'39.59" E to 86°42'45.32" E	38080	
4	Dimki	11	26°48'25.65" N to 26°48'6.42" N	86°42'38.34" E to 86°42'42.59" E	14280	

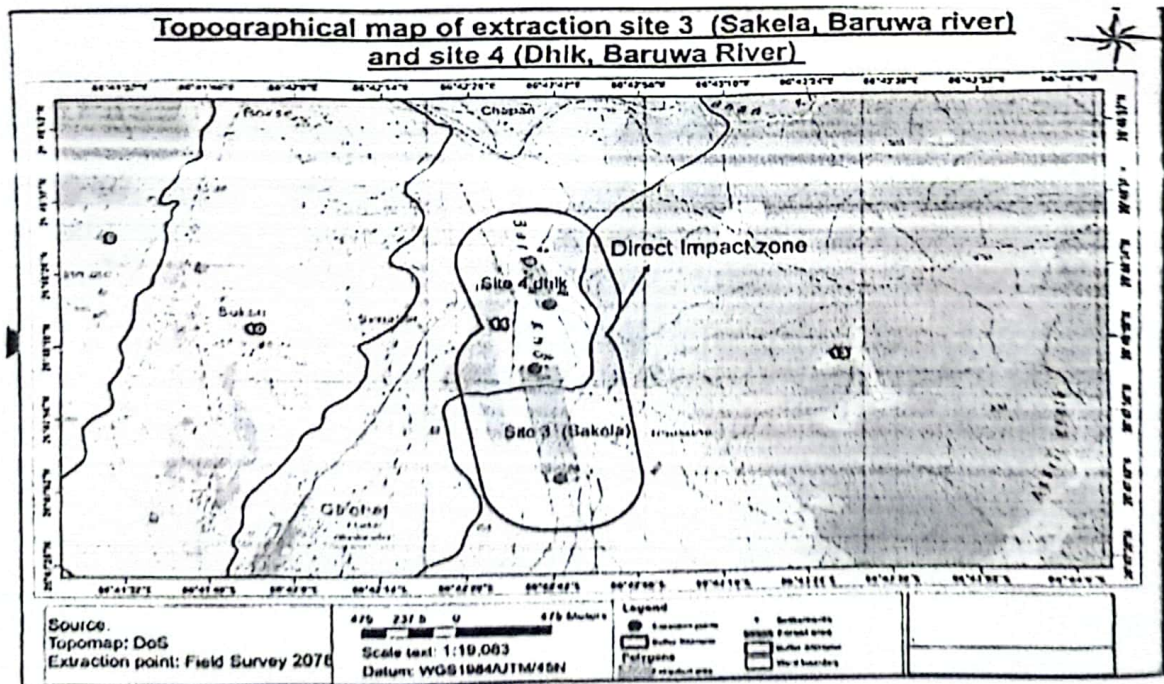


Figure 3-4: Topographic map of Quarry site

3.6 Borrow Pits

As per DPR, the quantity of earthwork cutting (26,251.83m³) is more than earth filling work (11,151.88m³), thus there is no need of borrow pits in this sub project however for ease and future requirement, borrow pits has been identified. The borrow pit is proposed at the Triyuga River which is 500m (Easting 471634.00m E, Northing 2960654.00m N) far from Sagarmatha Agri road, chainage 2+140 of section II (near Busanpur Harid Park) and having HFE clearance by municipality. The letter of municipality about borrow pits is attached in Annex II of this report

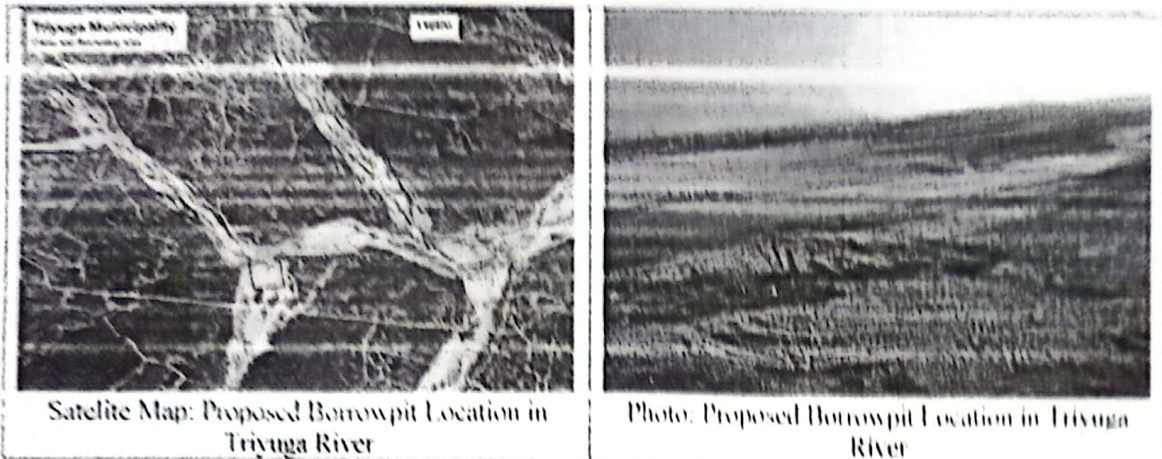


Figure 3-5: Proposed Borrow Pits site

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. It is proposed near the bank Baruwa Khola (Easting 472352.00 m E, Northing 2961269.00m N) which is 635m far from our site and is a government property. Necessary consultation with Municipality was conducted and minutes is attached in Annex II. Further, CESMP will be prepared by contractor, contracted within 45 days of contract. Thus, facilities like Workshop area, concrete batch plant establishment details will also be included in contractor's CESMP.

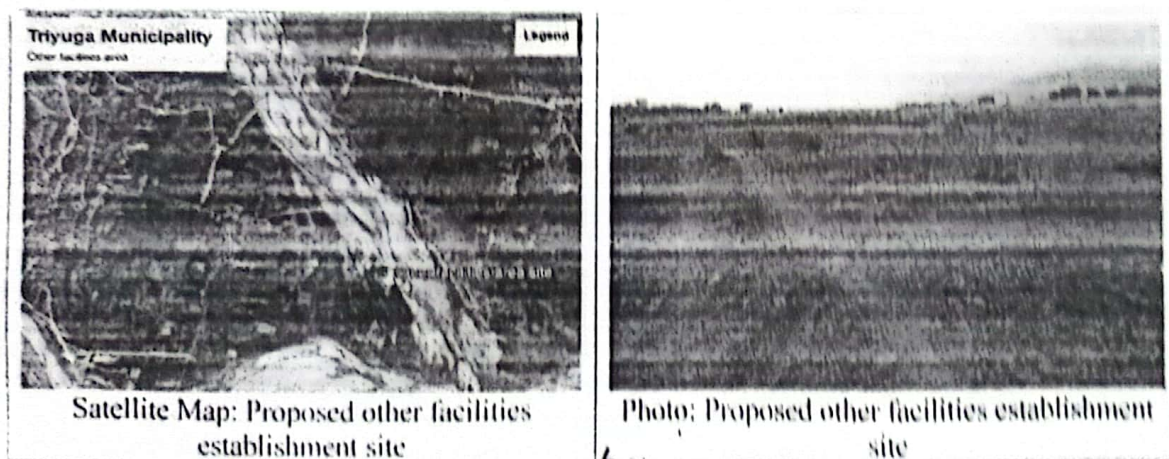
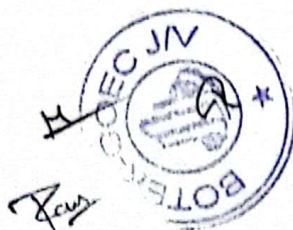


Figure 3-6 Proposed other facilities establishment site



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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 shall be the responsibility of the contractor while the proponent will play a supervisory role of ensuring that the proposed measures are implemented as outlined on the plan. The frequency of implementation of the proposed measures and monitoring will be dependent on the nature of the anticipated impact as well as the proposed measures. The cost of implementation of the ESMP especially during the construction phase will be factored in the bills of quantities (BOQ) for the proposed project while the cost of maintaining the project 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 Triyuga Municipality is provided in Annex II of this report. As per people consultation during the field study, there are 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 Triyuga 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	Triyuga Municipality/PIU	<ul style="list-style-type: none"> ✓ The overall project environmental management is the responsibility of PIU ✓ The regular monitoring will be carried out by the PIU
2	Contractor	<ul style="list-style-type: none"> ✓ The contractor is required to submit C-ESMP within 45 days of contract signing. ✓ Implement the mitigation measures and provisions as per ESMP and DPR of the Project

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

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 ESMP 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 and the proposed road alignments. The proposed interconnected roads nature and physical conditions are of interconnected roads (7 nos.) having short length (255m) to long length(2860m) and almost same characteristics Municipality. Thus, most of the impacts are same in nature and stated in respective headings. However, in respective sections of below table.

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

Stage	Impact	Mitigation Measure	Responsibility
Physical-Construction			
1.	Obstruction due to electric poles with in construction width Total 167Nos. (Gaighat town planning: 47, Cityhall Simaltar:47, Babarani: 4, Fulchowk:8, Cityhall Ramchandra: 5, Gaighat Shivalaya:29 and Pragati tole: 27)	<ul style="list-style-type: none"> Obtain all necessary permits for dismantling and relocation of electric poles from NEA. The cost of shifting should be included in project cost Relocate the electric poles along the alignment in coordination with the Nepal Electricity Authority The process should be completed prior the beginning of the road construction 	Municipality Contractor coordination
2.	Relocate and re-construction of Water Supply Pipe lines of the Triyuga small town water scheme (19.727 km pipelines likely to affected)	<ul style="list-style-type: none"> Obtain permission (Obtained necessary estimation from relocation of pipes from water management committee) for relocate and reconstruction from Water Supply Management Committee. The project must work in close coordination with the Water Supply Management Committee regarding disruption of water supply system in road section, Alternative means of supply during the disruption and reconstruct the system will be done. 	Municipality contractor coordination supply committee

Stage	Impact	Litigation Measure	Responsibility *	Cost (Remarks if any)
3.	Quarrying Material and Operation	<ul style="list-style-type: none"> Avoid and or minimize adverse environmental impacts arising out of quarry construction material exploitation in line with MOEF guidelines/conditions / recommendations. Include condition 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. The construction materials will be brought from the established quarry sites located within or outside the municipality. So, the direct impact of quarries is not expected in this project. The municipality in support of DSC will monitor the quality of quarrying material and state of quarry sites. The materials will be brought only from licensed vendors having environmental clearance. Municipality may instruct the quarry operators to reinstate the established quarry sites as per agreed norms during environment clearance. Prepare a CFESMP and include the details of quarrying activities including required quantity, locations and required mitigation within 45 days of commencement of works and submit to the PIU for approval. 	<p>Municipality/DSC.</p> <p>Municipality instructs the quarry operators to reinstate the established quarry sites as per agreed norms during environment clearance (follow IEE obligations)</p>	<p>Covers by municipality/PIU DSC monitoring cost</p>
4.	Issues of stockpiling and construction material	<ul style="list-style-type: none"> Locate and seek approval from the supervising consultant for the use of stockpile sites. The proposed campsite and stockpiling area are government land having an area of about 31436 Square meters which is situated near the north side of proposed Baruwa Bus Park (Sakela Area). 	Contractor	<p>This will be the part of Contractor's Responsibility under Contractor Cost.</p> <p>This will be included in CFESMP</p>

Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
		<ul style="list-style-type: none"> Mixing equipment will be well sealed and equipped as per existing standards All construction vehicles should comply with Motor Vehicles and Transportation Management Act 2049 (Third Amendment) Rules, 2066 (2010). Provide temporary hoardings where required to minimize dust impact on locations of temples (Shiva Mandir, Sakela park/Puspala Steue), primary health posts near Sakela park and schools (Manamohan School). Provision of speed control measures in Gaighat town planning, Simaltar, City Hall, Fulechowk settlement and working areas to limit traffic speed. Dust emission and air pollution due to construction activities and operation of heavy equipment and movement of transporting vehicles, to mitigate the impacts water will be sprinkled along the proposed road alignment and nearby dust prone area and repair and maintenance of equipment and vehicles regularly. Air pollutant parameters (TSPM, PM10, Sox, NOx, Cox) will be monitored regularly during construction. Conforming NAAQS of Nepal. Air quality monitoring/Sampling (at least 2 times during construction) 		<p>(For Air quality test/sampling, Noise level monitoring and water quality test NRs 500,000)</p>
8.	<p>Noise, vibration due to the use of heavy machinery and other construction activities,</p>	<ul style="list-style-type: none"> Vehicles and equipment used will be fitted with silencer and maintained to keep noise at minimum levels and Select equipment and machinery with lower sound power levels for the use. Workers will be provided with appropriate ear muffs/plugs specially at crusher site 	Contractor/DSC	<p>Cost of noise level monitoring comes within the Air Quality monitoring cost above.</p>

Stage	Impact	Mitigation Measure	Responsibility*	Cost (Remarks if any)
		<ul style="list-style-type: none"> Sensitive locations i.e., Mannohan schools, Triyuga Municipality office area etc. will be avoided while placing the noise generating equipment. Restrict activities with significant noise impacts to outside school (no horn sign). Activities involving heavy machinery with significant noise impacts should be restricted to outside school hours. Noise levels (1 hr Leq dB(A)) levels will be monitored regularly. Conforming WHO standards. 		Costs as a result of damage from vibrations will be borne by contractor.
9.	Water Pollution	<ul style="list-style-type: none"> Hazardous materials shall not be stored near surface waters sources Used lubricants and oils shall be collected and recycled or disposed off site. Plastic sheetings shall be placed under hazardous material storage area to collect and retain leaks and spills. Contaminated run-off from storage areas shall be captured in ditches or ponds with an oil trap at the outlet Contaminated and worn plastic sheeting shall be packed into drums and disposed off site. Water Quality (T.C, P.H, D.O, TSS, Oil and Grease). Conforming WHO standards. 	Contractor/DSC	cost of water pollution monitoring comes within the Air Quality monitoring cost included in above SN 7 of this table
10.	Labor Location and Management	<ul style="list-style-type: none"> Camps area should be barricades having proper maintained entrance gate and provided with a 24-hour guard having access to entry for authorized personnel only. Also, will maintain record of labor in proper way. Camps shall not be located near settlements; near water supply intakes; or sites that affect the access by local people to drinking water. 	Contractor	Included in Contractor's Cost. It is the responsibility of Contractor.



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Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
11. Solid waste generation/ Waste from labor camp	<ul style="list-style-type: none"> • Camp shall not be in the vicinity of landslide and flood plains. • Provide adequate health care facilities within construction sites and provide first aid facility round the clock • Install sanitary facilities for workers to avoid open defecation by construction of temporary toilet. • Separate Camps shall be constructed for Male and female workers with separate, safe and easily accessible facilities like separate toilets, Locker room etc. • Provide and maintain proper drinking water, sewerage and waste disposal facilities at the camps. • Camps shall be provided free of cost, with electricity and regulator & adequate fuel supplies of LPG or Kerosene. • After use, sites shall be cleared and restored to near natural or stable conditions with vegetative cover. • Waste minimization and waste segregation will be prioritized; 3R approach will be promoted. • Composting of organic waste generated from the camps will be disposed within the proposed camps. • Coordination with municipality for final disposal into the municipality's waste collection & disposal system. • Awareness raising event will be carried out. • Decommissioning waste will be re-used, sold to local scrap dealers. • Every week, it will be monitored for the management of waste from the camp site. • Further detailed plan will also be provided in C-ESMP with in 45 days of contract agreement. 	Contractor	Included in Contractor's Cost. It is the responsibility of Contractor. For awareness raising activities NRs 50,000	


Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
12.	Road safety and Community safety	<ul style="list-style-type: none"> Cross-Roads: Development Stretch of up to 15 m of each cross-road will be developed under this project. Installation of Road markings at all major as well as minor intersections. Road Signs and Markings Road Markings has been provided as per Traffic Sign and Marking manual as per DPR. The signage/hoarding board needed area are Gaighat town planning, Simalta City Hall, Fulchowk, Sakela, DM Gate as well as Maitani School area. Retaining/Breast wall: Stone Masonry Retaining wall has been provided along the alignment where embankment is required. Installation of Street lights as per need. Awareness activities (at least two event, minimum participants 30nos.) will be conducted to inform & aware locals regarding potentials risks and proposed safety measures related to the project activities 	DSC/Contractor	Included in DPR BOQ (BOQ item no: B-7, H-41, H-42, H-43, H-44, H-46, H-47, H-48) For awareness activities NRs 50,000.00
13.	Construction Safety	<ul style="list-style-type: none"> Provide barricade and green net in sites for restriction of local people movement during construction in densely populated area such as Gaighat town planning area, Babarani, Simalta area. PPE (helmets, masks, boots, gloves, ear plugs and goggles) should be provided for workers safety. Storm water collected should be disposed through the nearest culvert sections through side drains. The contractor will assign a safety officer and the PIU's safeguard specialist will monitor the implementation of the OHS measures. 	Contractor	It will be the part of Contractor's Responsibility under Contract Cost NRs 50,000 for worker safety materials.

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Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
		<ul style="list-style-type: none"> • Adequate lighting and safety signal devices be installed for work safety. • Adequate warning signs, safety barriers, traffic calming measures and persons with flags to control traffic will be provided for work safety. • Protective clothing including helmets, masks, boots, gloves, ear plugs and goggles should be provided for workers safety. • At every work place, a readily available first aid unit including an adequate supply of dressing materials will be provided. • Maintain health care system at construction camps including regular visits by trained medical staff for routine checkup of workers and avoidance of communicable disease. • Temporary divisions will be provided wherever necessary, with proper drainage facilities. • Electrical Equipment will be checked and certified regularly. • Provide and install all road signs as per design. • Impart road safety education to all community schools, clubs and drivers of construction vehicles. • Hazards will be identified, and workers will correctly wear PPE, will properly use safety equipment, and will follow work safety arrangements. Safety signs and information will be provided and the work space will be barricaded to prevent unauthorized entry. Workers and people at the construction site will be provided with proper training, and 		

Stage	Impact	Litigation Measure	Responsibility *	Cost (Remarks if any)
14.	Traffic Management	<p>to help ensure that workers are trained on what to do in the event that an accident occurs on site.</p> <ul style="list-style-type: none"> Emergency traffic management plan should be included in CESMP by the contractor and approved by the PIU/DSC. 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 alternate routes identified to divert the normal traffic flow, transport material during off-peak time. 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. Traffic management for the Mannohan school, Chainage 1+550, will be maintaining traffic diversion for the teachers/students within the sub-project up to construction period. Also, alternative routes will be identified. 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 IOR. Provision of alternative routes to ease the congestion and built up of traffic. 	PIU/ Contractor and DSC	Included in DPR BOQ (BOQ item no: B-7, H-41, H-42, H-48)
15.	Demobilization of contractor	<ul style="list-style-type: none"> construction sites are cleaned from residual waste and fully reinstated; Enabling environment is provided for natural regeneration of work base and construction sites to natural condition. 	Contractor and monitored by PIU DSC	Contractor cost.




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Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
4.	Climate change and Disaster Risk	<ul style="list-style-type: none"> Trees must be planted along the alignment so as to enhance the greenery and beauty of the city and to reduce erosion, draught, flood etc 	Contractor along with municipality	
Biological-Construction				
1.	Slopes stabilizations/Landslide. Vegetation clearing.	<ul style="list-style-type: none"> Bio-engineering I is been proposed as mitigation for the stabilization of slopes along the road. Civil structures like masonry wall, gabion walls are constructed during construction There is no any vegetation loss during construction. 	Contractor	Included in BOQ (BOQ item no G-38, G-39, G-40)
Biological-Operation Stage				
2.	Impact on Vegetation	<ul style="list-style-type: none"> Encouraging local people for protection of roadside plantation carried out during construction. 	Municipality	No additional cost
Social-Construction Stage				
1.	Land use change	<ul style="list-style-type: none"> Land will be required for the establishment of labor camps, storage of construction materials, workshops etc as rented basis which is the temporary in nature. All the temporarily rented land will be rehabilitated into previous state or better than the earlier state maintaining natural drainage and acceptable to the land owner/DSC. 	Contractor.	Contractor cost.
2.	Pedestrian and houseowner Safety: General people, children and elderly people.	<ul style="list-style-type: none"> Diversions should be safe for children, the elderly, differently-able people and other general pedestrians during construction to ensure their mobility. School areas i.e. Manmohan School should be emphasized and adjacent intersections should be ensured. Appropriate signs and signage are used during project execution and construction to raise awareness of potential safety hazards of construction. 	Contractor	Included in BOQ (BOQ item no B-7, H-41, H-42)



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Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
3.	Health and Sanitation	<ul style="list-style-type: none"> 72 nos. of Zebra crossing are provided throughout the alignment in certain interval and major crossings. Proper awareness on use of sanitation facility for worker. A chlorine solution will be provided to workers to purify drinking water. Regular health checkups, records of illness of the workers, monitoring of drinking water. 	Contractor	NRs 50,000.00
4.	Child labor and forced labor	<ul style="list-style-type: none"> No child (below 16 years) and forced labor will be employed in project. Age verification document of workers will be documented and contractor will maintain the record of labor employed. 	Contractor. Monitoring by DSC every month	No additional cost
5.	Occupational Health and Safety	<ul style="list-style-type: none"> PPE including mask, gloves and First aid kit will be provided to the worker and also kept in Camp. Worker will be given clear instruction to follow safety rules. Orientation on use of PPE during construction will be provided to workers and in regular basis. Induction and refresher training to the workers will be provided. Safe Drinking water will be provided to the camp for worker use. Provision of insurance to cover physical damage to workers. Contractor will be responsible to maintain the records of each and every accident and incidence and will make available to DSC/CO/PMST as and when required. Contractor's team, staff and laborers can also make use of the GRM to raise complaints / grievances if any 	Contractor	Included in BoQ (BOQ item no B-8)

Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
6.	Community Health, Safety and Security	<ul style="list-style-type: none"> • Display appropriate signage for use during construction and implementation of the project to enhance awareness creation on the potential hazards of the project. <ul style="list-style-type: none"> • Carry out site management practice such as the fencing around work area and road signage • Increase public awareness of safety, health and environmental issues by providing information directly and indirectly through campaign. 	Contractor/ Public awareness campaign by the municipality	Included in the BoQ (BOQ Item no A-3)
7.	Grievance Redress, GBV, SEA/SH risks and Stakeholder Consultation	<ul style="list-style-type: none"> • Use a grievance resolution process that includes a team or party for negotiation and/or mediation. • Clear and timely dissemination of project information, and safeguards aspects including anti-harassment cell; Coordination with the local stakeholders • Awareness raising, information and dissemination on about GRM and GBV (meetings, monitoring and logistic costs@1 meeting every month) • SEA/SH awareness raising activities, trainings and stakeholder engagements such as: community based-awareness program. School based awareness program. Awareness program for women and against the gender-based violence (Domestic violence, Sexual violence) • GRM will include mechanism for referring SEA/SH-related grievances • Production of leaflets, and information dissemination through local media of ESMP, project provisions including GRM and SEA/SH and ESMP document in ward offices. • 11 awareness/ orientation/ trainings (awareness on domestic violence (3nos.), Rape/Sexual violence (3nos.), Child marriage (2nos.) CoC (3nos.)) with at least 30 	PIU/DSC	NRs 1,000,000.00 (Further breakdown presented in table 4-3 below)



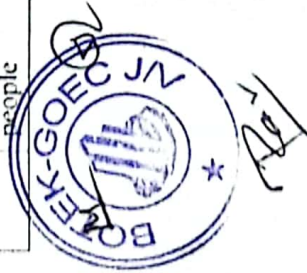
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Stage	Impact	Litigation Measure	Responsibility *	Cost (Remarks if any)
8.	SEA/SH risks	<p>participants in each activity and will conduct during first quarter of 1st year and 3rd quarter of first year).</p> <ul style="list-style-type: none"> • Skill enhancement training targeting the women, vulnerable, disadvantaged groups including IPs like Rai, Bote and Chaudhary @ 1 event. • Separately Camps for man & women and maintain minimum distance from one camp to other camp • Providing female labor-centric facilities such as separate female toilets, separate female camps, separate family camps and mother's rooms on the site. • GRM will include mechanism for referring SEA/SH-related grievances • 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 workers) • CoC are understood through orientations and signed by workers. 	Contractor.	This will be part of contractor's cost
Social Operation Stage				
	Encroachment of ROW	<ul style="list-style-type: none"> • The municipality will work with wards to discourage encroachment into the RoW. 	Municipality	Cost will be borne by municipality
	Air and Noise Pollution	<ul style="list-style-type: none"> • Maintain signs and speed restrictions on the road section within settlement's area to reduce vehicle speed, dust generation, and where horns will not be blown and traffic speed will be regulated. • Strict enforcement of vehicle emission standards. • Maintain roadside tree plantation • Air pollutant parameters (TSPM, PM10, SOx, NOx, COx, Pb). Conforming NAAQS of Nepal. 	Municipality	Municipality will be responsible during operation stage.

Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
	Traffic accidents and associated risks	<ul style="list-style-type: none"> Water quality (C, PH, DO, TSS, Oil and Grease). Conforming WHO Standards. Noise levels (1hr Leq dB(A)). Conforming WHO standards. Raise awareness of traffic rules, pedestrian / cycle lanes and installation of speed bumps to control speed near pedestrian crossing areas Traffic management plan will be developed, especially along congested locations. Traffic control measures, including speed limits will be enforced strictly. Further encroachment and squatting within the KOW will be prevented. Provide training on the use of facilities: maintain signboards, lights instructions in strategic locations. 	Municipality	Cost will be borne by municipality
	Limited access for elderly and differently-able people		Municipality	Cost will be borne by municipality



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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
1	Water quality test	Samples	4		500,000	
2	Air quality monitoring/Sampling	Samples	2			
3	Noise level monitoring	Samples	2			
4	Awareness trainings on GBV, SFA/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	11	50000	550,000	
i	Awareness program on reduction of sexual violence/rape cases	Events	3			
ii	Awareness program regarding domestic violence (physical/ Mental abuse)	Events	3			
iii	Awareness for reduction of Child marriage	Events	2			
iv	Awareness Training on CoC	Events	3			
5	Solid waste management	Events	1		50,000	
6	Awareness on Health and sanitation of workers and provision of chlorine solution	Events	1		50,000	
7	Awareness on Road safety and community safety	Events	2	25000	50,000	
8	Construction safety (PPE, Protective clothing including helmets, masks, boots, gloves, ear plugs, goggles etc)	LS	1	50000	50,000	
9	Skill enhancement training targeting the women, vulnerable, disadvantaged groups including IPs like Rai, Bote and Chaudhary @ 1 event (NRs 100,000 per event)	Event	1	100000	100000	
10	Social safeguards (grievance meetings, site monitoring, etc)	Meetings/Events	18	12500	225,000	
11	Information dissemination materials and medium					
	(a) Leaflets and ESMP document printing				50,000	
	(b) PSA (local media)		3	25,000	75,000	
	Total				1,700,000	

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:

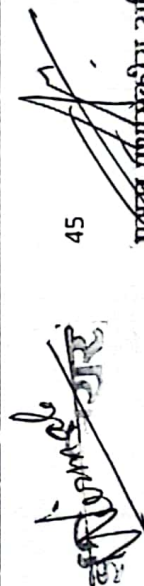
- to track the impacts.
- to evaluate the effectiveness of proposed mitigation measures, and
- to suggest improvements, if any new circumstances arise.

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

Table 4 6: Environment and Social monitoring Plan

SN	Monitoring Aspects	Location	Parameters	Methodology	Frequency	Responsibility
A	Construction Phase					
1.	Air quality monitoring	Settlement areas near road alignment	At least TSP; PM ₁₀ /PM _{2.5}	Air Sampler / Detector	Quarterly	DSC
2.	Noise Levels	Settlement areas near road alignment	Average noise levels (L _{eq})	Noise Meter / Android Application	Every Month	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 spoils are generated	Site verification	Every month	Contractor/ DSC
5.	Road Traffic safety		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	Active construction sites; camp site	Provision/Use of PPEs; First Aid/treatment; Awareness/	Site verification: records of supply of	Every Month	DSC, PIU



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ESMP for the upgradation of inter connected road sections, Tryyappa Municipality

SN	Monitoring Aspects	Location	Parameters conducted for	Methodology	Frequency	Responsibility
8.	Solid Waste Management	Camp site and along the alignment and other construction areas	orientations conducted for workers Types of waste generation, quantity, disposal practice	PPFs, records of events Observation	Every Month	DSC, PIU
9.	Loss of vegetation; greenery promotion	Active construction sites; road sections passing through vegetated area	Site clearance at vegetated areas; plantation works, maintenance etc. as per EMP.	Site verification, records of trees cut; records of newly planted trees	Every Month	DSC, PIU
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	Operation & Maintenance Phase					

SN	Monitoring Aspects	Location	Parameters	Methodology	Frequency	Responsibility
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 st year. Bi-annually after that	Municipality
2	Water pollution	Surface flows (natural drainages & irrigation canals)	Parameters as per standards (Annex IV)	Laboratory Analysis	Every 6 Months	Municipality
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	Municipality
4	Road safety	Road alignment and adjacent settlements	Road accidents; status of road components	Site verification; interaction with road users	Every Month	Municipality

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, Trivaya Municipality will be responsible for the Operation and Maintenance phase of sub project.



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5. STAKEHOLDER ENGAGEMENT AND INFORMATION DISSEMINATION

5.1 Stakeholder Engagement

The local community, ward offices, water supply user committees, School, labourers and farmers were consulted during the preparation of the ESMP. Consultations were also carried out with the women and indigenous communities living along the proposed road alignment. The main objectives of these consultations were to aware public on environment and social issues, find the issues/mitigations to be included in ESMP report. 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 presented in Table 5-1, 5-2, minutes are attached in Annex II and issues raised during consultations are listed in Annex VIII.

Consultation summary/issues raised during consultations

Consultation with locals and stakeholders were 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. 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.

During the consultation, peoples mainly emphasized on the quality of road and the material that will be used during the construction as well as proposed components of the roads, other concerns of locals are summarized below.

- Must be completed on time.
- Water must be sprayed during the construction phase
- Women empowerment must be taken into consideration.
- Road safety must be taken seriously during construction phase.
- No any conflict/issue for the construction of the road.

Table 5-1 People consulted during field study

SN	Category	Male	Female	Total	%	Remarks
1	Brahman	63	22	85	19.91	
2	Kshetri	64	39	103	24.12	
3	Tharu	23	8	31	7.26	
4	Newa: (Newar)	43	9	52	12.18	
5	Rai	22	64	86	20.14	
6	Tamang	2	2	4	0.94	
7	Bishwokarma	5	10	15	3.51	
8	Sarki	1	5	6	1.41	
9	Lama	1	1	2	0.47	
10	Pariyar	3	0	3	0.70	
11	Giri	0	3	3	0.70	

SN	Category	Male	Female	Total	%	Remarks
12	Bhujel	1	0	1	0.23	
13	Majhi/Bote	14	5	19	4.45	
14	Thebe/Magar	2	11	13	3.04	
15	Other (Sada, Pamjiyar)	2	2	4	0.94	
Total		246	181	427	100	
%		57.6	42.4	100		

Source: field study 2023



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Table 5. : Details of participants during consultations

SN	Date	Name of the Road	Name	Organization	Consultation type	Remarks
1	2080-05-25	Mayor	Basant Kumar Basnet	Triyuga Municipality	F II	
2	2080-05-24	Deputy Mayor	Maheshwori Rai	Triyuga Municipality	F II	
3	2080-05-20	Engineer	Nirmal Chaudhary	Triyuga Municipality	F II	
4	2080-05-24	W-11 Chair	Shumita Koirala	Triyuga Municipality	F II	
5	2080-05-24	W-13 Chair	Nabin Kumar Chaudhary	Triyuga Municipality	F II	
6	2080-05-25	W-12 Chair (Acting)	Anita Thapa	Triyuga Municipality	F II	
7	2080-05-25	Ward Member, W12	Ranjana BK	Triyuga Municipality	F II	
8	2080-05-22	W-10 Chair	Kiran Landay	Triyuga Municipality	F II	
9	2080-05-24	Town Planning	Shahil Kumar Tuladhar	Triyuga Municipality	F II	
10	2080-06-10	CAO, Triyuga Municipality	Bishnu Bhakta Sigdel	Triyuga Municipality	F II	
11	2080-05-24	Town planning	Shashi Kumar Tuladhar and other Himali tole members	Himali tole	F JD	
12	2080-06-11	Town planning	Rames Dahal and other tole members.	Jyotinagar tole bikas	F JD	
13	2080-05-11	City Hall Simaltar	Devi Trasad Khatriwoda and other tole members.	Shivalaya tole bikas Sashta, W-11	F JD	
14	2080-05-11	City Hall Simaltar	Nabin Karki and other tole members.	Indreshwor tole bikas Sashta, W-11	F JD	
15	2080-05-12	Babarani DM gate	Tek Bahadur Thapa and other tole members.	Babarani Tole bikas, Ward-11	F JD	
16	2080-05-07	Fulchowk	Tara Trasad Chaudhari and other tole members.	Fulchowk tole bikas, Ward-12	F JD	Chaudhary
17	2080-05-07	Fulchowk	Lawa Thakal and other tole members.	Anamnagar tole bikas, Ward-12	F JD	

SN	Date	Name of the Road	Name	Organization	Consultation type	Remarks
18	2080-05-07	Fulchowk	Renu Kumar tole and other tole members.	Locals of Bote tole	F ID	Bote/Chaudhari
19	2080-05-09	City hall Ramchandra	Sahana Phuyal and other tole members.	Namuna Marga tole bikas sastha	F ID	
20	2080-06-08	Gaighat Shivalaya	Bhabin Ira Khatri and other tole members.	Ramailodanda tole bikas Sastha	F ID	
21	2080-06-08	Gaighat Shivalaya	Kaipan Khatri and other women members.	Ramailodanda tole (10 nos.)	F ID	Women Group
22	2080-05-24	Pragati tole	Basant Kumar Basnet and other Municipality stre pres natives.	Triyuga Municipality	F ID	Municipality
23	2080-05-23	Pragati tole	Gita Rai and other tole members.	Chair, Sakela tole bikas Sastha, Ward-11	F ID	
24	2080-05-25	Pragati tole	Aasha Rai and other tole members.	Sakela Women Group, Ward-11	F ID	Women Group
25	2080-05-11	Pragati tole	Tilak Bahadur Katuwal and other tole members.	Janajyoti tole bikas Sastha, Ward-13	F ID	
26	2080-05-24	Town planning	Shashi Kumar Tuladhhar	Himali tole/Locals	Meeting	
27	2080-06-11	Town planning	Bharat Prasad Chaudhary and other tole members.	Jyoti Nagar tole bikas	Meeting	
28	2080-05-11	City Hall Simaltar	Devi Prasad Khatiwoda and other tole members.	Shivalaya tole bikas Sastha, W-11	Meeting	
29	2080-05-12	City Hall Simaltar	Nabin Karki and other tole members.	Indreshwor tole bikas Sastha, W-11	Meeting	
30	2080-05-12	Babarani DM gate	Bishnu Shrestha with other tole members/ Locals	Ward men ber/Locals, Ward-11	Meeting	

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ESMP for the upgradation of inter connected Road sections, Triyuga Municipality

SN	Date	Name of the Road	Name	Organization	Consultation type	Remarks
31	2080-05-07	Fulchowk	Tara Prasad Chaudhari and other tole members.	Fulchowk tole bikas, Ward-12	Meeting	Chaudhary
32	2080-05-07	Fulchowk	Narman Bot and other tole members.	Ward 12 Chair and Locals	Meeting	Bote
33	2080-05-07	Fulchowk	Shankar Bahadur Kathayat and Locals	Locals, Ward 12	Meeting	
34	2080-05-12	Cityhall Ramchandra	Bishnu Shrestha and other local tole members	Locals, Ward-11	Meeting	
35	2080-06-08	Gaighat Shivalaya	Subinda BK and other tole members.	Ramailodanda tole bikas Sashta	Meeting	
36	2080-06-08	Gaighat Shivalaya	Kalpana Khatri	Ramailodanda tole	Meeting	Women Group
37	2080-05-23	Pragati tole	Giita Rai and other tole members.	Sakela tole bikas Sashta, Ward-11	Meeting	
38	2080-05-11	Pragati tole	Tilak Bahadur Katuwal and other tole members.	Pragati tole bikas Sashta	Meeting	
39	2080-06-12	Pragati tole	Kala Rai and other tole members.	Sakela tole	Meeting	Sakela tole Rai Community

5.2 Information Dissemination

All details regarding the suggested activities and their anticipated outcomes would be made available impacted people and other stakeholders. The project will make all necessary disclosures during each 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 work environmental and social elements will also be notified about the ongoing and planned activities following strategies will be used to ensure that information is available to all parties involved through 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 relevant local language). Project-related information materials will be distributed prior to construction work to local officials, local people, stakeholders and other concerned offices: 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 and the municipality will disclose the information through its website. The information dissemination plan for proposed Road sub project is presented in Table 5-3.

Table 5-3: 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 Office
Newspaper and local Radio (Project details, dates, GRM etc.)	Project implementation phase Weekly	PIU, municipality Information Officer	Radio program, Radio
Project leaflets and Fact Sheet,	Project details, Implementing agencies, project period - 2 times	PIU, Information Officer	Double colour (500)
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

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).



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members of certain castes, and people with disabilities, among others). Details of the Project Consultation Plan are presented in Table 5-4.

Table 5-4: Stakeholder consultation Plan

Objective and Target Goal	Method	Responsibility
I. Build Local Ownership		
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.
II. Start Consultation Process with Potentially Affected Communities by construction and operation of road		
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.
III. Implementation Phase		
Maintain effective communication with PIU	Electronic and face to face communication with representative of relevant agency /organization	PCO, 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	PCO

Objective and Target Goal	Method	Responsibility
Agreement on operation and maintenance system	Electronic or face to face communication with relevant stakeholder Face to face meeting with local authority	Design and Supervision Consultant Municipality Ward Representatives
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 (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 people of project alignment. The people of project alignment will be able to raise any grievances related to sub project 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 11, Mr. Sumanta Koirala	- Coordinator
Ward Chairperson, ward-10, Mr. Kiran Pande	--Member
Acting Ward Chairperson, ward-12, MRs. Anita Thapa	--Member
Ward Chairperson, ward-13, Mr. Nabin Kumar Chaudhary	--Member
Ward member, ward-10, MRs Urmila BK	Member
Ward member, ward-11, MRs Nila Kakri Dholi	Member
Ward member, ward-12, MRs Ram kali Biswokarma	Member



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DSC (Supervision Engineer/Social/Environmental Safeguard Specialist)– Member Secretary

b. The second level GRC at the municipality level. It will comprise of the following team.

Mayor	– Coordinator
Deputy mayor	– Member
Chief, Administrative section	– Member
NU/GIP focal person	– Member
Municipality's Grievance Officer	– Member
Chief, Municipality's Social Development section	– Member
DSC (Supervision Engineer/Social/Environmental Safeguard Specialist)–Member Secretary	

c. The third level GRC will be established at 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 complainant will be escalated to next level. If complaint remains unaddressed at 1st and 2nd within maximum 30 days after registering the complaint, it will be elevated to 3rd level at PCO level. The PCO within 7 days of time should instruct the concerned person at Triyuga 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 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

should be established to report back to the concerned community or persons regarding the decision on the complaint. The grievances related to women should 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. 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.



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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 Different inter connected Road (9.929Km) Sections, Triyuga Municipality Road, September 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>
- IEE Report of Triyuga, Baruwa River
- Municipality Profile of Triyuga Municipality 2019
- <https://Triyugamun.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
- Annex IV: GoN Permissible Environmental limits standards
- Annex V: Air, Noise and Water Quality Test Report
- Annex VI: List of Zebra crossings
- Annex VII: Code of Conduct (CoC) on GBV
- Annex VIII: Stakeholder Consultation Details
- Annex IX: Existing electric pole details
- Annex X: Photographs
- Annex XI: Cadastral Maps of Alignment.



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Annex I: Environmental and Social Screening Checklists

Name of the Road: a) Gaighat town planning area Road Section

Table 7-1 Environment Screening Checklist for Gaighat town planning area Road

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)	Yes			Possibility of Earthquake Natural Disaster, flooding
2	Is the project area adjacent to or within any of the following environmentally sensitive areas? 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 <input type="checkbox"/> Migration route/Wildlife corridor <input type="checkbox"/> Any site of national or international importance		No		
3	Is the project area adjacent to or within any of the following environmentally sensitive areas? Timber & fruit bearing) and vegetation cover		No		
4	Possibility of degradation of land and ecosystems of surrounding?				There is no any high slope having unstable surface and land slide prone areas. The road is lies in plain area. Thus, there is less chances to degradation of land and ecosystem.
5	Is the project area densely populated?	Yes			
6	Heavy with development activities/big industries nearby & type?		No		
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?		No		
8	Chance of deterioration of surface water quality due to silt runoff and sanitary		No		

	wastes from worker-based camps and chemicals used in construction			
9	Does the sub project require significant extraction of surface or ground water?		No	
10	Increased risk of water pollution from oil, grease, fuel spills and other materials			Short term impact during Upgrading work.
11	Impact on water quality due to release of sewage/sludge?		No	Not connected to drainage system.
12	Possibility of flooding due to sewage		No	Not connected to drainage system.
13	Possibility of increased air pollution during preconstruction/ construction/ operation phase?			Short term impact during Upgrading work. ESMP measures applicable.
14	Other pollution concerns relating to inconveniences in living conditions that may trigger cases of upper respiratory problems?			Short term impact during Upgrading work.
15	Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological hazards during project construction and operation	Yes		Physical hazards like accidents and illness are likely
16	Noise and vibration due to blasting and/or other civil works?	Yes		Short term impact during Upgrading work.
17	Possibility of poor sanitation and solid waste disposal	Yes		Campsite management aspect. ESMP measures applicable
18	Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?		No	
19	Accident risks associated with pre construction, construction & operation phases of project			Short term impact during Upgrading work.
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)			Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. 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 during Upgrading.
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?			Short term impact during Upgrading work.
22	interference with other utilities and blocking of access to resource/utility	Yes		Short term impact during Upgrading work.



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23	Generation of solid waste and/or hazardous waste during construction/operation of project?				Short term impact during Upgrading work.
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Table 7-2 Checklist Social Screening of Gaighat town planning area Road

SN	Particulars	Remarks
1	Proposed Site Location	
a	Land requirement for the project	It is an up-gradation of an existing road. There will be no additional land requirement.
b	Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public. As per discussion with locals and municipality, there is no any outstanding issues related to grievance, compensation etc
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 requiring acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	No
f	Present use of Govt. Land that will be used for the project activities with Persons/Households using Agricultural purposes Residential purposes Commercial purposes Other purposes (Indicate)	Public use
g	Is the project requires 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	No
i	Proposed project located in an area where residents are- All Mainstream All Indigenous peoples Majority Mainstream or Non-indigenous peoples Majority Indigenous peoples	Majority are Mainstream
2	Potential Social Impacts- Will the Project cause	
a	Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No, resettlement is not required in this project.
b	Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	There is no adverse impact to woman headed households in the project area as no land acquisition is anticipated for proposed project
c	Will community facilities require relocation?	Yes, Triyuga Small town water supply pipeline and electric poles likely to affected.

SN	Particulars	Remarks
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	Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. Pressure upon existing natural resources such as water, existing food availability, solid waste patterns are likely to be affected with the increase in the number of outside workers during Upgrading.
f	Possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	May have chances to transmission of diseases.
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
h	Social conflicts relating to inconveniences in living conditions where construction interferes with preexisting roads	Yes, change in road morphology and disruption in the infrastructure like drinking water, electric lines will cause inconvenience. Traffic management plan will be prepared by the contractor and will be included in Contractor's Site specific ESMP.
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
j	Describe alternatives if any to avoid or minimize displacement from private and public lands	No such concerns
k	RAP/ARAP Requirement	Not required



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Name of the Road: b) City Hall Simaltar Gaighat Diktel Road Section

Table 7-3: Environment Screening Checklist for City Hall Simaltar Gaighat Diktel road section

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)	Yes			Possibility of Earthquake Natural Disaster, flooding
2	Is the project area adjacent to or within any of the following environmentally sensitive areas? 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		No		The project RoW is devoid of such archaeologically and culturally significant areas and national parks.
3	Likely impact on trees (including Timber & fruit bearing) and vegetation cover		No		
4	Possibility of degradation of land and ecosystems of surrounding?				There is no high slope having unstable surface and land slide prone areas. The road lies in plain area. Thus, there is less chances to degradation of land and ecosystem.
5	Is the project area densely populated?			Partial	
6	Heavy with development activities/big industries nearby & type?		No		
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?		No		
8	Chance of deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction		No		

SN	Particulars	Yes	No	Can't Say	Remarks
9	Does the sub project require significant extraction of surface or ground water?		No		
10	Increased risk of water pollution from oil, grease, fuel spills and other materials				Short term impact during Upgrading work.
11	Impact on water quality due to release of sewage/sludge?		No		Not connected to drainage system.
12	Possibility of flooding due to sewage		No		Not connected to drainage system.
13	Possibility of increased air pollution during preconstruction/ construction/operation phase?				Short term impact during Upgrading work
14	Other pollution concerns relating to inconveniences in living conditions that may trigger cases of upper respiratory problems?				Short term impact during Upgrading work.
15	Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological hazards during project construction and operation				Short term impact during Upgrading work.
16	Noise and vibration due to blasting and/or other civil works?				Short term impact during Upgrading work.
17	Possibility of poor sanitation and solid waste disposal		No		
18	Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?		No		
19	Accident risks associated with pre construction, construction & operation phases of project				Short term impact during Upgrading work.
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)			Partial	Suggested to use local workers during construction but Influx of people is anticipated during the time of Upgrading. 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 during Upgrading.
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?				Short term impact during Upgrading work.
22	interference with other utilities and blocking of access to resource/utility				Short term impact during Upgrading work.

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SN	Particulars	Yes	No	Can't Say	Remarks
23	Generation of solid waste and/or hazardous waste during construction/operation of project?				Short term impact during Upgrading work.

Table 7-4: Social Screening Checklist for City Hall Simaltur Gaighat Diktel road section

SN	Particulars	Remarks
1	Proposed Site Location	
a	Land requirement for the project	It is an up-gradation of an existing road. There will be no additional land requirement. Due to the narrow sections i.e from 2+820 to 2+860 the construction width of proposed road is 10.65 m.
b	Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public. As per discussion with locals and municipality, there is no any outstanding issues related to grievance, compensation etc.
c	Is the project requires 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 requires acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	No
f	Present use of Govt. Land that will be used for the project activities with Persons/Households using Agricultural purposes Residential purposes Commercial purposes Other purposes (Indicate)	Public use
g	Is the project requires 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	No
i	Proposed project located in an area where residents are- All Mainstream All Indigenous peoples Majority Mainstream or Non-indigenous peoples Majority Indigenous peoples	Majority are Mainstream
2	Potential Social Impacts- Will the Project cause	
a	Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No, resettlement is not required for this project.

SN	Particulars	Remarks
b	Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	No such impact on poor women and children, indigenous people, and/or economic displacement.
c	Will community facilities require relocation?	Yes. Triyuga Small town water supply pipeline and electric poles are likely to be affected.
d	Will the sub-project disturb any traditional activity on adjoining or nearby?	No
e	Will poor sanitation and solid waste disposal in construction camps and work sites	Yes, there will be concern of sanitation and solid waste disposal in construction camp and work sites.
f	Possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	May have chances to transmission of diseases.
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
h	Social conflicts relating to inconveniences in living conditions where construction interferes with preexisting roads	The project area during the project construction works, other activities except commercial activities will be not affected due to excavation and construction activities. While, in the implementation phase the commercial activities will be enhanced and further increased in terms of numbers
i	Describe any other impacts that have not been covered in this screening form	No permanent structure lies within the formation width of indigenous people, hence there is no adverse impact on indigenous group
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

Name of the Road: c) Babarani DM Gate Road Section

Table 7-5: Environment Screening Checklist Babarani DM Gate Road Section

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)		No		Possibility of Earthquake Natural Disaster, flooding.



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SN	Particulars	Yes	No	Can't Say	Remarks
2	Is the project area adjacent to or within any of the following environmentally sensitive areas? 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		No		The project RoW is devoid of such archaeologically and culturally significant areas and national parks.
3	Likely impact on trees (including Timber & fruit bearing) and vegetation cover		No		
4	Possibility of degradation of land and ecosystems of surrounding?				There is no any high slope having unstable surface and land slide prone areas. The road is lies in plain area. Thus, there is less chances to degradation of land and ecosystem.
5	Is the project area densely populated?			Partial	
6	Heavv with development activities/big industries nearby & type?		No		
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?		No		
8	Chance of deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction		No		
9	Does the sub project require significant extraction of surface or ground water?		No		
10	Increased risk of water pollution from oil, grease, fuel spills and other materials				Short term impact during Upgrading work.
11	Impact on water quality due to release of sewage/sludge?		No		Not connected to drainage system
12	Possibility of flooding due to sewage		No		Not connected to drainage system

SN	Particulars	Yes	No	Can't Say	Remarks
13	Possibility of increased air pollution during preconstruction/ construction/operation phase?				Short term impact during Upgrading work.
14	Other pollution concerns relating to inconveniences in living conditions that may trigger cases of upper respiratory problems?				Short term impact during Upgrading work.
15	Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological hazards during project construction and operation				Short term impact during Upgrading work.
16	Noise and vibration due to blasting and/or other civil works?				Short term impact during Upgrading work.
17	Possibility of poor sanitation and solid waste disposal		No		
18	Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?		No		
19	Accident risks associated with pre construction, construction & operation phases of project				Short term impact during Upgrading work.
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)				Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. 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 during Upgrading.
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?				Short term impact during Upgrading work.
22	interference with other utilities and blocking of access to resource/utility				Short term impact during Upgrading work.
23	Generation of solid waste and/or hazardous waste during construction/operation of project?				Short term impact during Upgrading work.

Table 7-6: Social Screening Checklist Babarani DM Gate Road Section

SN	Particulars	Remarks
1	Proposed Site Location	

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SN	Particulars	Remarks
a	Land requirement for the project	Land within the RoW is already in use by the public. It is the upgradation existing road. There will be no additional land requirement. Due to the narrow sections i.e from 0+260 to 0+420 and from 0+520 to 0+610 the construction width of the proposed road is 6.3 m and 6.75 m respectively.
b	Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public. As per discussion with locals and municipality, there is no any outstanding issues related to grievance, compensation etc.
c	Is the project requires 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 requires acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	No
f	Present use of Govt. Land that will be used for the project activities with Persons/Households using Agricultural purposes Residential purposes Commercial purposes Other purposes (Indicate)	Public use
g	Is the project requires 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	No
i	Proposed project located in an area where residents are- All Mainstream All Indigenous peoples Majority Mainstream or Non-indigenous peoples Majority Indigenous peoples	Majority are Mainstream
2	Potential Social Impacts- Will the Project cause	
a	Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No, resettlement is not required in this project.
b	Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	No such impact on poor women and children, indigenous people, and/or economic displacement.
c	Will community facilities require relocation?	No
d	Will the sub-project disturb any traditional activity on adjoining or nearby?	Yes,

SN	Particulars	Remarks
		Triyuga Small town water supply pipeline and electric poles likely to affected
e	poor sanitation and solid waste disposal in construction camps and work sites	Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. Pressure upon existing natural resources such as water, existing food availability, solid waste patterns are likely to be affected with the increase in the number of outside workers during Upgrading.
f	Possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	May have chances to transmission of diseases.
g	Population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)?	Yes
h	Social conflicts relating to inconveniences in living conditions where construction interferes with preexisting roads	The project area during the project construction works, other activities except commercial activities will be not affected due to excavation and construction activities. While, in the implementation phase the commercial activities will be enhanced and further increased in terms of numbers
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
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

Name of the Road: d) Fulchowk PG Chowk Road Botetole Triyuga Corridor section

Table 7-7: Environmental Screening Checklist for Fulchowk PG Chowk Road Botetole Triyuga Corridor Section

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)		No		Possibility of Earthquake Natural Disaster, flooding



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SN	Particulars	Remarks
	a Land requirement for the project	Land within the RoW is already in use by the public. It is an upgradation of an existing road. There will be no additional land requirement.
	b Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public. As per discussion with locals and municipality, there is no any outstanding issues related to grievance, compensation etc
	c Is the project requires 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 requires acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	No
	f Present use of Govt. Land that will be used for the project activities with Persons/Households using Agricultural purposes Residential purposes Commercial purposes Other purposes (Indicate)	Public use
	g Is the project requires 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	No
	i Proposed project located in an area where residents are- All Mainstream All Indigenous peoples Majority Mainstream or Non-indigenous peoples Majority Indigenous peoples	Majority Indigenous peoples
2	Potential Social Impacts- Will the Project cause	
	a Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No, resettlement is not required in this project
	b Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	No such impact on poor women and children, indigenous people and/or economic displacement.
	c Will community facilities require relocation?	Yes, Triyuga Small town water supply pipeline and electric poles likely to be affected
	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	Suggested to use local workers during construction but influx of

SN	Particulars	Remarks
		people is anticipated during the time of Upgrading. Pressure upon existing natural resources such as water, existing food availability, solid waste patterns are likely to be affected with the increase in the number of outside workers during Upgrading.
f	Possible transmission of communicable diseases (such as STIs and HIV/AIDS) from workers to local populations?	May have chances to transmission of diseases.
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)?	Pressure upon existing water supply system, food availability, 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 project area during the project construction works, other activities except commercial activities will be not affected due to excavation and construction activities. While, in the implementation phase the commercial activities will be enhanced and further increased in terms of numbers
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
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

Name of the Road: e) City Hall Ramchandra Basnet house Road Section

Table 7-9: Environmental Screening Checklist for City Hall Ramchandra Basnet house Road Section

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)	Yes			Possibility of Earthquake Natural Disaster, flooding
2	Is the project area adjacent to or within any of the following environmentally sensitive areas? Cultural heritage site (historical, religious, traditional, or cultural significance)		No		The project ROW is devoid of such archaeological and culturally significant areas and national parks



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SN	Particulars	Yes	No	Can't Say	Remarks
	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		No		
4	Possibility of degradation of land and ecosystems of surrounding?				There is no any high slope having unstable surface and land slide prone areas. The road lies in plain area. Thus, there is less chances of degradation of land and ecosystem. However, during DP stage it will be considered.
5	Is the project area densely populated?				
6	Heavy with development activities/big industries nearby & type?		No		
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?		No		
8	Chance of deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction	Yes			ESMP measures applicable.
9	Does the sub project require significant extraction of surface or ground water?		No		
10	Increased risk of water pollution from oil, grease, fuel spills and other materials				Short term impact during Upgrading work.
11	Impact on water quality due to release of sewage/sludge?		No		Not connected to drainage system
12	Possibility of flooding due to sewage		No		Not connected to drainage system
13	Possibility of increased air pollution during preconstruction/construction/operation phase?				Short term impact during Upgrading work.
14	Other pollution concerns relating to inconveniences in living conditions that		No		

SN	Particulars	Yes	No	Can't Say	Remarks
	may trigger cases of upper respiratory problems?				
15	Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological hazards during project construction and operation	Yes			Physical hazards like accidents and illness are likely
16	Noise and vibration due to blasting and/or other civil works?	Yes			ESMP measures applicable
17	Possibility of poor sanitation and solid waste disposal	Yes			Campsite management aspect. ESMP measures applicable
18	Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?		No		
19	Accident risks associated with pre construction, construction & operation phases of project	Yes			Injuries during construction phase, and traffic accidents during operation phase are potential risks
20	Population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)				Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. 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 during Upgrading.
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?				Short term impact during Upgrading work.
22	interference with other utilities and blocking of access to resource/utility				Short term impact during Upgrading work.
23	Generation of solid waste and/or hazardous waste during construction/operation of project?				Short term impact during Upgrading work.

Table 7-10: Social Screening Checklist for City Hall Ramchandra Basnet house Road Section

SN	Particulars	Remarks
1	Proposed Site Location	
a	Land requirement for the project	Land within the RoW is already in use by the public. It is an up-gradation of an existing road. There will be no additional land requirement. Due to the narrow sections, from 0+160 to 0+240 the



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SN	Particulars	Remarks
		construction width of the proposed road is 6.3 m.
b	Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public. As per discussion with locals and municipality, there is no any outstanding issues related to grievance, compensation etc
c	Is the project requires 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 requires acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	No.
f	Present use of Govt. Land that will be used for the project activities with Persons/Households using Agricultural purposes Residential purposes Commercial purposes Other purposes (Indicate)	Public use.
g	Is the project requires 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	No
i	Proposed project located in an area where residents are- <input type="checkbox"/> All Mainstream <input type="checkbox"/> All Indigenous peoples <input type="checkbox"/> Majority Mainstream or Non-indigenous peoples <input type="checkbox"/> Majority Indigenous peoples	Majority are Mainstream
2	Potential Social Impacts- Will the Project cause	
a	Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No, resettlement is not required in this project
b	Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	No such impact on poor women and children, indigenous people and/or economic displacement.
c	Will community facilities require relocation?	Yes, Triyuga small town water supply pipeline and electric poles likely to affected.
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	Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. Pressure upon existing natural resources such as

SN	Particulars	Remarks
		water, existing food availability, solid waste patterns are likely to be affected with the increase in the number of outside workers during Upgrading.
f	Possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	May have chances to transmission of diseases.
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)?	Pressure upon existing water supply system, food availability, 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 project area during the project construction works, other activities except commercial activities will be not affected due to excavation and construction activities. While, in the implementation phase the commercial activities will be enhanced and further increased in terms of numbers
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
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

Name of the Road: f) Gaighat Shivalay tole-Adarsha tole-Ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section

Table 7-11: Environmental Screening Checklist for Gaighat Shivalay tole-Adarsha tole-ramailo danda manmohan school to Karamgachhi diktel connecting Road

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)	Yes			Possibility of Earthquake Natural Disaster, flooding
2	Is the project area adjacent to or within any of the following environmentally sensitive areas? Cultural heritage site (historical, religious, traditional, or cultural significance)		No		The project RoW is devoid of such archaeologically and culturally significant areas and national parks



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SN	Particulars	Yes	No	Can't Say	Remarks
	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		No		
4	Possibility of degradation of land and ecosystems of surrounding?				There is no any high slope having unstable surface and land slide prone areas. The road is lies in plain area. Thus, there is less chances to degradation of land and ecosystem. However, during DPR stage it will be considered.
5	Is the project area densely populated?		No		
6	Heavy with development activities/big industries nearby & type?		No		
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?		No		
8	Chance of deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction		No		
9	Does the sub project require significant extraction of surface or ground water?		No		
10	Increased risk of water pollution from oil, grease, fuel spills and other materials				Short term impact during Upgrading work.
11	Impact on water quality due to release of sewage/sludge?		No		Not connected to drainage system
12	Possibility of flooding due to sewage		No		Not connected to drainage system
13	Possibility of increased air pollution during preconstruction/ construction/operation phase?				Short term impact during Upgrading work.
14	Other pollution concerns relating to inconveniences in living conditions that				Short term impact during Upgrading work.

SN	Particulars	Yes	No	Can't Say	Remarks
	may trigger cases of upper respiratory problems?				
15	Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological hazards during project construction and operation				Short term impact during Upgrading work.
16	Noise and vibration due to blasting and/or other civil works?				Short term impact during Upgrading work.
17	Possibility of poor sanitation and solid waste disposal		No		
18	Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?		No		
19	Accident risks associated with pre construction, construction & operation phases of project				Short term impact during Upgrading work.
20	Population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)				The population influx will be in small scale.
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?				Short term impact during Upgrading work.
22	interference with other utilities and blocking of access to resource/utility				Short term impact during Upgrading work.
23	Generation of solid waste and/or hazardous waste during construction/operation of project?				Short term impact during Upgrading work.

Table 7-12: Social Screening Checklist for Gaighat Shivalay tole-Adarsha tole-Ramailo danda Manmohan school to Kuramgachhi Diktel connecting Road

SN	Particulars	Remarks
1	Proposed Site Location	
a	Land requirement for the project	Land within the RoW is already in use by the public. It is an up-gradation of an existing road. There will be no additional land requirement.
b	Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public. As per discussion with local land municipality, there is no

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SN	Particulars	Remarks
		any outstanding issues related to grievance, compensation etc.
c	Is the project requires 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 requires acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	No
f	Present use of Govt. Land that will be used for the project activities with Persons/Households using Agricultural purposes Residential purposes Commercial purposes Other purposes (Indicate)	Public
g	Is the project requires 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	No
i	Proposed project located in an area where residents are- All Mainstream All Indigenous peoples Majority Mainstream or Non-indigenous peoples Majority Indigenous peoples	Majority are Mainstream
2	Potential Social Impacts- Will the Project cause	
a	Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No, resettlement is not required in this project
b	Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	No such impact on poor women and children indigenous people and/or economic displacement.
c	Will community facilities require relocation?	Yes, Triyuga small town water supply pipeline and electric poles likely to affected
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, there will be concern of sanitation and solid waste disposal in construction camp and work sites.
f	Possible transmission of communicable diseases (such as STPs and HIV/AIDS) from workers to local populations?	Local peoples have knowledge on such communicable diseases but labourers' understanding may be low about possible transmission of communicable diseases
g	Large population influx during project construction and operation that causes increased burden on social	Yes

SN	Particulars	Remarks
	infrastructure and services (such as water supply and sanitation systems)?	
h	Social conflicts relating to inconveniences in living conditions where construction interferes with preexisting roads	Yes, change in road morphology and disruption in the infrastructure like drinking water, sewer system will cause inconvenience. Traffic management plan will be prepared by the contractor and will be included in Contractor's Site specific ESMP.
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
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

Name of the Road: g) Pragati tole kha (Quarter front) ko road to sakela road ward 12

Table 7-13: Environmental Screening Checklist for Pragati tole kha (Quarter front) ko road to sakela road ward 12

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)		No		Possibility of Earthquake Natural Disaster, flooding.
2	Is the project area adjacent to or within any of the following environmentally sensitive areas? 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		No		The project RoW is devoid of such archaeologically and culturally significant areas and national parks



Wernab
Pragati tole kha

SN	Particulars	Yes	No	Can't Say	Remarks
3	Likely impact on trees (including Timber & fruit bearing) and vegetation cover		No		
4	Possibility of degradation of land and ecosystems of surrounding?				There is no any high slope having unstable surface and land slide prone areas. The road is lies in plain area. Thus, there is less chances to degradation of land and ecosystem. However, during DPR stage it will be considered.
5	Is the project area densely populated?				
6	Heavy with development activities/big industries nearby & type?		No		
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?		No		
8	Chance of deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction		No		
9	Does the sub project require significant extraction of surface or ground water?		No		
10	Increased risk of water pollution from oil, grease, fuel spills and other materials				Short term impact during Upgrading work.
11	Impact on water quality due to release of sewage/sludge?		No		Not connected to drainage system.
12	Possibility of flooding due to sewage		No		Not connected to drainage system.
13	Possibility of increased air pollution during preconstruction/ construction/operation phase?				Short term impact during Upgrading work.
14	Other pollution concerns relating to inconveniences in living conditions that may trigger cases of upper respiratory problems?				Short term impact during Upgrading work.
15	Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological hazards during project construction and operation				Short term impact during Upgrading work.
16	Noise and vibration due to blasting and/or other civil works?				Short term impact during Upgrading work.
17	Possibility of poor sanitation and solid waste disposal		No		
18	Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?		No		

SN	Particulars	Yes	No	Can't Say	Remarks
19	Accident risks associated with pre construction, construction & operation phases of project				Short term impact during Upgrading work.
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)				Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. 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 during Upgrading.
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?				Short term impact during Upgrading work.
22	interference with other utilities and blocking of access to resource/utility				Short term impact during Upgrading work.
23	Generation of solid waste and/or hazardous waste during construction/operation of project?				Short term impact during Upgrading work.

Table 7-14: Social Screening Checklist for Pragati tole kha (Quarter front) ko road to sakela road ward 12

SN	Particulars	Remarks
1	Proposed Site Location	
a	Land requirement for the project	Land within the RoW is already in use by the public. It is an up-gradation of an existing road. There will be no additional land requirement. Due to the narrow sections i.e from 0+560 to 0+600 and from 0+740 to 0+760 the construction width of the both proposed road section is 6.3 m.
b	Landownership of the project area: Govt. / Private lands	Land within the proposed road width is already in use by the public. As per discussion with locals and municipality, there is no any outstanding issues related to grievance, compensation etc.
c	Is the project requires acquisition of Govt land/structures? If yes please mention the area of land number of affected structures, Households	No



Handwritten signatures and text in Nepali script, including 'प्रतिक्रिया' (Response) and 'सुनिश्चित' (Assured).

SN	Particulars	Remarks
	d Present use of Govt. Land that will be used for the project activities with Persons/Households using	No
	e Is the project requires acquisition of private land/structures? If yes please mention the area of land, number of affected structures, Households	No
	f Present use of Govt. Land that will be used for the project activities with Persons/Households using Agricultural purposes Residential purposes Commercial purposes Other purposes (Indicate)	Public use
	g Is the project requires 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	No
	i Proposed project located in an area where residents are- All Mainstream All Indigenous peoples Majority Mainstream or Non-indigenous peoples Majority Indigenous peoples	Majority are Mainstream
2	Potential Social Impacts- Will the Project cause	
	a Involuntary resettlement of people? (Physical displacement and/or economic displacement)	No, resettlement is not required in this project
	b Impacts on the poor, women and children, Indigenous Peoples or other vulnerable groups?	No such impact on poor women and children, indigenous people, and/or economic displacement.
	c Will community facilities require relocation?	Yes, Triyuga small town water supply pipeline and electric poles likely to affected.
	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	Suggested to use local worker during construction but Influx of people is anticipated during the time of Upgrading. Pressure upon existing natural resources such as water, existing food availability, solid waste patterns are likely to be affected with the increase in the number of outside workers during Upgrading.
	f Possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	May have chances to transmission of diseases.
	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)?	Pressure upon existing water supply system, food availability, are likely to be affected with the

SN	Particulars	Remarks
		increase in the number of outside workers
h	Social conflicts relating to inconveniences in living conditions where construction interferes with preexisting roads	The project area during the project construction works, other activities except commercial activities will be not affected due to excavation and construction activities. While, in the implementation phase the commercial activities will be enhanced and further increased in terms of numbers
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
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



W. N. S. S. S.

W. N. S. S. S.

Annex II: Minutes, Public Notice and Letters

ROW Declaration Letter



त्रियुगा नगरपालिका नगर कार्यपालिकाको कार्यालय

☎ ०१६-४२०१०८
फ्याक्स ४२०१८९
tryyuga.mun@gmail.com

पत्र संख्या : ०३१०६०

पलाडी अखेर २६७०

गाईघाट, कैलैयापुर
कोशी प्रदेश, नेपाल

मिति :- २०८०/०२/०३

विषय:- सडकको ROW सम्बन्धमा।

यी सडकी विकास तथा धरम निर्माण विभाग,
नेपाल सडकी अगवकी तथा पुनर्धार भागजना भागजना मानव्य कार्यालय, बसगाह, काठमान्डौ।
प्रमुखा विपवमा NUGIP कार्यक्रम अन्तर्गत प्रय नगरपालिकाबाट योजनाहरूको प्रथम धरणमा मिति २०७७/०६/०१ गते व्यंको नगर
स्तरिक सम्बन्ध समितिबो विधेयानुसार तर्पाम सडकहरूको सम्भाव्यता अध्ययनका लागि प्रार्थमिकतामा छोटो भण्डो तर्पाम
सडकहरूको सम्बाई र सडक क्षेत्राधिकार (राईट अफ वे) को विवरण तर्पामल योजिम रहेको छहोरा हुन धनुगंध छ।

तर्पामल

परिमो प्राथमिकता (१।१५० किमी)

सडकको नाम	त्रियुगा नगर क्षेत्र भित्र गरिने निर्माण सम्बन्धि मापदण्ड	प्राथमिकता न
१. गाईघाट टाउन प्लाजिट रोड भित्र नरको सडकहरू त्रियुगा स्कूल पूर्व खोलादेखि सडक पिलवा ११ तमिल (ROW- 12m, 18 m and 25m) सम्बाई १।५०० कि.मी.	त्रियुगा विभाग निर्मित गाईघाट पलाका अन्तर्गत परी ८० मिटर, ६० मिटर र ८० मिटर धोराई अन्तम सडकहरूको पलाका अन्तम यन्वीय पत्र न. ११	१
२. मिटिलम देवि विमानटार गाईघाट निर्माण सडक Access road सल्लि (ROW = 20 m) सम्बाई २।८८० कि.मी.	त्रियुगा विभाग पलाका अन्तम सडक २० मिटर पत्र न. ७	१
३. बामागानी देवि डि एम गेट सडक सडक (ROW = 8 m) सम्बाई ०।५५० कि.मी.	डि. एम. गेट देवि पश्चिम उदयपुर डिप्लोमरीसम्म ताने धाटी ८ मिटर पत्र न. १०	१
४. पुनर्धार देवि चि त्री थोक सडक बोटेडोम त्रियुगा फेरीटार (ROW = 8m) सम्बाई ०।८५० कि.मी.	पुनर्धार देवि दक्षिण मुसहरा टोल हुने बोटेडोम ताने सडक ८ मिटर सल्लि पत्र न. १०	१
५. मिटिलम देवि राम चन्द्र बमनेजना धरमाम सडक (ROW = 8 m) सम्बाई ०।२८० कि.मी.	धरमाम माध्यमको धोराई ८ मिटर र सम्बाई १००० मिटर पत्र न. १२	१
६. गाईघाट भिवालय टोल अर्दभ टोल रमाईना डाडा भानगाटन स्कूल देवि बरमागानी गाईघाट निर्माण सडकसम्म (ROW = 8m) सम्बाई १।५१० कि.मी.	धरमाम माध्यमको धोराई ८ मिटर र सम्बाई १००० मिटर पत्र न. १२	१
७. प्रमाण टोल वा (क्वाटर धरमाडी) को सडक हुने धरमाडी ताने सडक बडा न. ११ (ROW = 10 m) सम्बाई २।१०० कि.मी.	धरमाम माध्यमको धोराई ११ मिटर र सम्बाई १००० मिटर अन्तम माप पत्र न. १२	१
८. नगरमाथा क्षेत्र अन्तम पश्चिमबाट दक्षिण मदन अण्डारी महासल्ल हुने त्रियुगा टोल विमानपुर बडा न. १२ (ROW = 8 m and 14 m) सम्बाई ३।५५० कि.मी.	डि. एम. गेट देवि त्रियुगाबाट पूर्व मुम्बका थोक पुनर्धार गाईघाट अन्तममा वा. वि. त्रियुगा वा. वि. हुने सडकसम्म ताने धाटी सडक धोराई १२ मिटर	२
९. गजदारी धोराई बडा न. १२ धाटी अन्तम सडक हुने मदन अण्डारी सडकसम्म अण्डारी सडक (ROW = 8 m) सम्बाई ०।८५० कि.मी.	धरमाम माध्यमको धोराई ८ मिटर र सम्बाई १००० मिटर पत्र न. १२	१

वाधाय:

श्री BOTEK-GOLC JV

Wimal

[Signature]
किरण कुमार खत्री
नि. प्रमुखा प्रशासकीय अधिकृत
नि. प्रमुखा प्रशासकीय अधिकृत

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

Furthermore, it is noted that regular audits are essential to identify any discrepancies or errors early on. This proactive approach helps in maintaining the integrity of the financial statements and prevents any potential issues from escalating.

In conclusion, the document stresses that a robust system of record-keeping is not only a legal requirement but also a key to the success of any business. By adhering to these principles, organizations can ensure that their financial data is reliable and trustworthy.

The second part of the document provides a detailed overview of the company's current financial status. It includes a summary of the income statement, which shows a steady increase in revenue over the past quarter. This growth is attributed to the successful launch of new products and the expansion of the customer base.

Additionally, the document highlights the company's strong position in the market, supported by its diverse portfolio of services. The management team is confident in the company's ability to continue this upward trend and to meet its long-term strategic goals.

Finally, the document outlines the company's plans for the upcoming year, which include further investment in research and development to stay ahead of the competition. It also mentions the intention to explore new market opportunities and to enhance operational efficiency.

Formation of GRM (1st Level)



पंच उखुटा : ०८०८६८
पञ्चाङ्गी अठ्ठर :-

त्रियुगा नगरपालिका

गाउँपालिका, उदयपुर
कोषा प्रमुख कार्यालय

☎ ०१५-५१०१०८
फ्याक्स ५१०१०८
triyuga.mun@gmail.com

मिति: २०८०/०६/१७

विषय:- प्रथम तहको गुनासो सुनुवाई समिति गठन गरिएको बारे

मिति २०८०/०६/१७ गतेका दिन यस त्रियुगा नगरपालिकाका नगर प्रमुख श्री बसन्त कुमार बस्नेत ज्यूको अध्यक्षतामा बसका बैठकले विश्व बैंकको आर्थिक सहयोगमा नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना (NUGIP) मार्फत स्तरोन्नति हुन लागेको यस उदयपुर जिल्ला त्रियुगा नगरपालिका वडा नं. १०, ११, १२, १३ मा पर्ने पहिलो र दोस्रो प्रथमिकतामा परेका बाटोहरूको कुल लम्बाई १४.५ किलोमिटर सडक खण्डको निर्माण अघि र निर्माणका क्रममा कुनैपनि प्रकारका समस्याहरू, गुनाशाहरू आई सोको सामाधानको लागि आयोजनाको मापडण्ड अनुसार तपसिलमा उल्लेखित प्रथम तहको गुनासो सुनुवाई समिति गठन गर्ने निर्णय गरियो।

तपसिल

१. संयोजक: श्री सुनन्त कोइराला, वडाध्यक्ष वडा नं. ११
२. सदस्य: श्री किरन पाण्डे, वडाध्यक्ष वडा नं. १०
३. सदस्य: श्री अनिता थापा, का.बा अध्यक्ष वडा नं. १२
४. सदस्य: श्री नविन कुमार चौधरी, वडाध्यक्ष वडा नं. १३
५. सदस्य: श्री उर्मिला बि.क वडासदस्य वडा नं. १०
६. सदस्य: श्री निला काक्री ढोली वडासदस्य वडा नं. ११
७. सदस्य: श्री राम कली विरकर्मा वडासदस्य वडा नं. १२
८. सदस्य: सामाजिक सुरक्षण/वतावरण विशेषज्ञ/सुपरभिजन इन्जिनियर (DSC)

बसन्त कुमार बस्नेत

नगर प्रमुख

बसन्त कुमार बस्नेत

नगर प्रमुख

Formation of GRM (2nd Level)



व्यवस्थापन समिति
त्रियुगा नगरपालिका

त्रियुगा नगरपालिका

गाउँपालिका विकास
कोशी प्रदेश नेपाल

☎ ०१५-४०५५
फ्याक्स ४०५५
triyuga.muni@gmail.com

सूचना प्रकाशन मिति: २०८०/०७/१५

विषय:- द्वितीय तहको सुनुवाई समिति गठन गरिएको बारे

दिनांक २०८०/०७/१५ कोषी विद्युत वित्त त्रियुगा नगरपालिकाका नगर प्रमुख श्री वसन्त कुमार बस्नेत ज्यूको अध्यक्षतामा बस्नेको बैठकको निर्णयको अन्तर्गत त्रियुगा नगरपालिकाको नयाँ शहरी शासकीय तथा पूर्वाधार आयोजना (NUGIP) मार्फत स्तरोन्नति हुन लागेको छ। त्रियुगा जिल्ला त्रियुगा नगरपालिका वडा नं. १०, ११, १२, १३ मा पर्ने पहिलो र दोस्रो प्रथमिकतामा परेका बाटोहरूको कुल लम्बाई १४.६ किलोमिटर सडक खण्डको निर्माणका अबधिमा आउने गुनासाहरूको अध्ययन गरी स्थानिय स्तरमै समाधान गर्न सकिने उल्लेखित शहरीकरण गर्नेगरी एक गुनासा सुनुवाई समिति (GRC) गठन गरिएको बारे सम्बन्धित सबैलाई जानकारी गराउँछ। साथै आवश्यक सम्पर्कको लागि कुनै गुनासा भए उल्लेखित गुनासा सुनुवाई समितिमा मौखिक वा लिखित रूपमा जानकारी गराउन अनुरोध छ।

सदस्यता

१. अध्यक्ष: श्री वसन्त कुमार बस्नेत त्रियुगा नगरपालिकाका नगर प्रमुख
२. सचिव: श्री मन्मथ शर्मा, नगरपालिका उप-प्रमुख
३. सचिव: नगरपालिका प्रशासन शाखा प्रमुख
४. सचिव: नगरपालिका आयोजनाका सम्पर्क इन्जिनियर (Engineer)
५. सचिव: नगरपालिका सामाजिक अधिकृत/सामाजिक विकास शाखा प्रमुख
६. सचिव: प्राथमिक सुनुवाई, योजना तथा निर्माण, सुपरिमार्केट, शिप्याभर (LSC)

बसन्त कुमार बस्नेत

नगर प्रमुख

बसन्त कुमार बस्नेत

नगर प्रमुख

Letter regarding Anti-Harassment Cell



पत्र संख्या: २०८१/०८१३

दिनांक: २०८२

त्रियुगा नगरपालिका
नगर कार्यपालिकाको कार्यालय
गाईघाट, उदयपुर
कोशी प्रदेश, नेपाल



☎ ०३१-४२०१०८

www.triyugamun.gov.np

मिति: २०८०/०३/१७

विषय : सम्पर्क व्यक्ति (Focal Person) तोकिणको ।

अधिकृतस्तर सार्तो, श्री राजकुमार खड्का (९८५२८३१६००)
सामाजिक विकास शाखा प्रमुख,
त्रियुगा नगरपालिका, गाईघाट, उदयपुर ।

प्रस्तुत विषयमा तपाईंलाई यस अघि तोकिणको जिम्मेवारीको अतिरिक्त यस नगरपालिकाको Anti Harassment Cell को सम्पर्क व्यक्ति (Focal Person) तोकिणको व्यहोरा अनुरोध छ ।

प्रमुख प्रशासकीय अधिकृत

बोधार्थ

श्री शहरी विकास तथा भवन निर्माण विभाग,
नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना, आयोजना समन्वय कार्यालय,
बबरमदल, काठमाण्डौ ।

प्रमुख प्रशासकीय अधिकृत

Email: Info@triyugamun.gov.np
Triyuga.mun@gmail.com

Public Notice for ESMP Preparation



पप संख्या :- ०८०।०८१
पत्राची नम्बर :-

त्रियुगा नगरपालिका
नगर कार्यपालिकाको कार्यालय

गाईघाट, उदयपुर
कोशी प्रदेश नेपाल

☎ ०२५-४२०७०८
फ्याक्स ४२०७८५
triyuga.mun@gmail.com

मिति :- २०८०/०६/१५

सूचना !

सूचना !!

सूचना !!!

विश्व बैंकको आर्थिक सहयोगमा शहरी विकास तथा भवन निर्माण विभाग (DUDBC), नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना (NUGIP) द्वारा स्तरोन्नति हुन लागेको यस उदयपुर जिल्ला त्रियुगा नगरपालिका वडा नं. १०, ११, १२ र १३ स्थित पर्ने पहिलो प्राथमिकतामा परेको सडक खण्डको स्तरोन्नति गर्ने भएको छ। यसै शिलशिलामा उक्त सडक खण्डको विस्तृत परियोजना प्रतिवेदन तयारीका चरणमा गरिने वातावरणीय तथा सामाजिक व्यवस्थापन योजना (ESMP) तयारीका लागि परामर्शदाताका DSC Team, नगरपालिका आयोजनाबाट प्रभावित हुने बासिन्दा / जग्गाधनीहरु विच निम्न लिखित स्थान र मितिमा हुने विस्तृत छलफल तथा अन्तरकृया कार्यक्रममा उपस्थित हुनका लागि सम्बन्धित सबै सरोकारवालालाई सुचित गरिन्छ।

अन्तरकृया हुने मिति र स्थान :

मिति : २०८०।०६।२५

मय : दिहान ११:०० बजे

स्थान : त्रियुगा नगरपालिका सभाहल

ई.शैलेन्द्र कुमार मण्डल
शहरी पूर्वाधार विकास शाखा
ई. शैलेन्द्र कुमार मण्डल
ईन्जिनियर

Notice related to GRM



पप संख्या :- ०८०१०८१
तलासी नम्बर :-

त्रियुगा नगरपालिका

नगर कार्यपालिकाको कार्यालय

गाईघाट, उदयपुर
कोशी प्रदेश नेपाल

☎ ०१५-५२०१०८
फ्याक्स ५२०१०५
triyuga.mun@gmail.com

सूचना प्रकाशन मिति: २०८०/०६/१८

सूचना I :

सूचना II :

सूचना III :

मिति २०८०/०६/१८ गतेका दिन यस त्रियुगा नगरपालिकाका नगर प्रमुख श्री बसन्त कुमार बस्नेत ज्यूको अध्यक्षतामा बसेको बैठकले विद्युत बैकको आर्थिक सहयोगमा नेपाल शहरी शासकीय तथा पूर्वाधार आयोजना (NUGIP) मार्फत स्तरोन्नति हुन लागेको यस उदयपुर जिल्ला त्रियुगा नगरपालिका वडा नं. १०, ११, १२, १३ मा पर्ने पहिलो प्राथमिकतामा गाईघाट टाउन प्लानिङ क्षेत्र भित्र भएको सडकहरु, सिटिहल देखि सिमलटार गाईघाट दिक्तेल सडक, बाबारानी देखि डि एम गेट सडक, फुलचोक देखि पि जी चौक सडक वोटेटोल त्रियुगा कोरीडोर, सिटिहल रामचन्द्र बस्नेतको घरसम्म सडक, गाईघाट शिवालय टोल आर्दश टोल रमाईलो डाडा मनमोहन स्कूल देखि करमगाछी गाईघाट दिक्तेल सडक, प्रगति टोल क्वाटर अगाडीको सडक हुदै साकेला जाने सडक र दोस्रो प्राथमिकतामा सगरमाथा कृषि बजार पश्चिमबाट दक्षिण मदन भण्डारी सभाहल हुदै जनप्रेमी टोल विसनपुर परेका बाटोहरुको कुल लम्बाई १४.५ किलोमिटर भएको सडक खण्डको निर्माणका अबधिमा आउने गुनासाहरुको अध्ययण गरी स्थानिय स्तरमानै समाधान गर्न आयोजना स्तरमा वडा ११ का अध्यक्ष श्री सुमन्त कोइराला ज्यूको संयोजकत्वमा निम्न उल्लेखित व्यक्तिहरु रहनेगरी एक गुनासो सुनुवाइ समिति (GRC) गठन गरीएको बारे सम्बन्धित सबैलाई जानकारी गराईन्छ । साथै आयोजना सम्बन्धि कोहिक्सैलाई कुनै गुनासो भए उल्लेखित गुनासो सुनुवाइ समितिमा मौखिक वा लिखित रूपमा जानकारी गराउनहुन अनुरोध छ ।

तपसिल

१. संयोजक: श्री सुमन्त कोइराला , वडाध्यक्ष वडा नं. ११
२. सदस्य: श्री किरन पाण्डे , वडाध्यक्ष वडा नं. १०
३. सदस्य: श्री अनिता थापा का बा अध्यक्ष वडा नं. १२
४. सदस्य: श्री नविन कुमार चौधरी , वडाध्यक्ष वडा नं. १३
५. सदस्य: श्री उर्मिला बि,क वडासदस्य वडा नं. १०
६. सदस्य: श्री नित्ता काक्री ढोली वडासदस्य वडा नं. ११
७. सदस्य: श्री राम कली विरकर्मा वडासदस्य वडा नं. १२
८. सदस्य: सामाजिक सुरक्षण/वतावरण विशेषब/सुपरभिजन ईन्जिनियर (DSC)

श. शैलेन्द्र कुमार मण्डल
शहरी पूर्वाधार विकास शाखा
श. शैलेन्द्र कुमार मण्डल
प्रिडिजिनियर

Minute related to Labor camp, stockpiling area, spoil site location

आज मिति २०८०।।८।१५ गतेका दिन जिपडाग नगरपालिका मार्डन कार्पोरेशनले इते कामरे खासादेम तथा र्शनीयाट प्रामोजग (NUPG) इकायुडर जिल्लाका विपया नगरपालिकापु पहिलो २ दोस्रो पायपिडका मा परैका नगराईका गार्डका गइत प्लाकिङ क्षेत्राडिका इकायुडर सिविल डेरी सिमन्टा गार्डेका पिरेका सड तनयानी डेरी ३: ५० गे, सुलनोड डेरी वि. वि. चोड वेरेगेत जिपयाकेरि- डोर सिविल डेरी सामन्तु वरुनेतेके दासम गार्डेका सिविल गेड आदर्श गेले रमाईले डोड प्रतमोन स्कूल केडी नरगाडी गार्डेका दिफनेल सड, प्रानिगने (२५) केवार् आगादीने सड इते गेडेका नगे सड सगरमाथा कापि वता (पञ्जीनार वारीका मदतकलाडी क्षाफत इते जनपेनीयगे डिस्तर का ई का वरुनेतेका इतनी गगे सिविलिमा आयोलाके लागि लेका कमान र निमाका सामग्रीक राखेन जगा रहेके गथको इतान प्रत नगरपालिकाका नगरपुडर डी आगाडका पुड सुड, इकायुडर पगे जगा इते समपतकेनी गेडेनी र वाडवतिडे दल लागएत सुडावालाकाकन्डे सडिका पुपडकीनिमा गरिडेका दालफल तथा पराडी तथासिले पुपडकीनि माकीकन्डे सडकीनिमा से हडवुनी इते मसेनाका साथ सम्पत जगे।

पुपडकीनि

१.	१५	नकाश कमान	वरेत (नगरपुडर)	सि. वि.
२.	१५	गडेका वार्ड	(का. वि. पु. मा. पु.)	
३.	१५	निडवा मक सिडकेल	(पु. पु. र. पु. प. मा. वि. पु. पु.)	
४.	१५	व्युपत कोक्रेका	(वडाकाकन्डा - ११)	
५.	१५	वकिन काका चौधरी	(वडाकाकन्डा - १६)	सि. वि.
६.	१५	आतला थापा	(का. वि. व. वि. पु. मा. पु. पु.)	सि. वि.
७.	१५	विनेका पाके	(का. वि. पु. मा. पु. पु.)	सि. वि.
८.	१५	विनेका कमान	(ई. वि.)	सि. वि.
९.	१५	अमरदेव थापा	(ई. वि.) DSC	सि. वि.
१०.	१५	दिका राव गुरागी	(आ. वि. वि.)	३

शुभ

प्रस्ताव

१. लेबर कम्पन संरचना ।

निर्देश

प्रस्ताव नं-१ मातहत अन्तर्गत सर्वे मध्य विद्यमान नगरपालिका किन जे पदविना क-दोको प्राथमिकतामा जे स्वयं आयोजनाको कार्यकर्ताको सम्पत्ति लेबर कम्पनको आवश्यक जे मध्येमा उक्त लेबर कम्पन कार्यको लागि आवश्यक जे जग्गा भन्ने विषयमा नगरको कानून नै १३ स्थिति बढेको तरमा व्यवस्था गर्ने सरकारी खाली जग्गा रहेको हुदा उक्त खाली जग्गामा लेबर कम्पन नै निर्माण कार्यमा मन्डारना गर्न दिने निर्देश गरियो ।

(Handwritten signatures and stamps)

Municipal letter related to campsite, stockpile, Solid waste and other facilities establishment area



पप संख्या : १०८०८
पलाडी बत्पर :

त्रियुगा नगरपालिका

आयोजना, उद्योग
विकास, एवम्
नगरपालिका

०१५-२०००
१०८०८
triyuga.mun@gmail.com

मिति:- २०८०/०८/१८

विषय:- निर्माण को लागि आवश्यक जग्गा उपलब्ध गरिएको बारे।

यस त्रियुगा नगरपालिकामा विद्यमान बिकको आर्थिक सहयोगमा नेपाल शहरी शारकिय तथा पूर्वाधार आयोजना (NUGIP) मार्फत स्तरोन्नति हुन लागेको यस उदयपुर जिल्ला त्रियुगा नगरपालिका वडा नं. १०, ११, १२, १३ मा पर्ने पहिलो र दोस्रो प्रत्यम्कतामा रहेका १४.५ किलोमिटर सडक खण्डको निर्माणको लागि तपशिल बमोजिमको ठाँउ उपलब्ध गराईने व्याहोरा जानकारी गर्दै। तपशिल

१. Camp Site , Stockpile, Solid waste Management, Workshop, Concrete Batch Plant - बस्या बस पार्कको उतर तर्फको नगरपालिकाको खली जग्गा।
२. Quarry Site Borrow Pits -त्रियुगा र बरुवा खोलामा IEE Approved भएको ठाँउ।
३. Spoil Disposal Site- बिसनपुरमा रहेको Dumping site।
४. Crusher- त्रियुगा- बरुवा दोभानको खाली रहेको जग्गा।


बसन्त कुमार बस्नेत

नगर प्रमुख

बसन्त कुमार बस्नेत

नगर प्रमुख

DATE	TIME	LOCATION	DESCRIPTION	REMARKS
10/10/2018	10:00 AM	...	...	...
10/10/2018	11:00 AM	...	...	...
10/10/2018	12:00 PM	...	...	...
10/10/2018	1:00 PM	...	...	...
10/10/2018	2:00 PM	...	...	...
10/10/2018	3:00 PM	...	...	...
10/10/2018	4:00 PM
10/10/2018	5:00 PM
10/10/2018	6:00 PM
10/10/2018	7:00 PM
10/10/2018	8:00 PM
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DATE	TIME	LOCATION	DESCRIPTION	REMARKS
10/10/2018	10:00 AM
10/10/2018	11:00 AM
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10/10/2018	2:00 PM
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Handwritten notes and signatures in the right margin of the second table, including a large signature at the bottom.

DATE	TIME	LOCATION	DESCRIPTION	REMARKS
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10/10/2018	11:00 PM
10/10/2018	12:00 AM

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Public Consultation meeting minutes

आज मिति २०८०।०६।१७ गतेमा दिन गए श्रो. ग. माहास्वामीकास
स्वीकृत गरीएको विषयमा बाघी माहास्वामी २० भएर आगोकास
(५५७३२) अन्तर्गत माहास्वामीका हावा कोठाको निर्माणको लागि
गठन पत्राचार, निवेदन तथा फ. ११ र १२ काकोषको प्रकाशितो हुनु
बारेको स्वामिनी, आगोकास, भोजपुर तथा मनास्लुको माहास्वामीको
बाघी अन्तर्गत बाघी (६०६६-७०६६-३८-५१२५-१०००००००)
विषयमा माहास्वामीका, ग. ग. बाघी अन्तर्गत आगोकासको र माहास्वामी
को निर्माणको विषयमा बाघीका हावाको र बाघी

- | क्र.सं. | नामा | पद | संस्था |
|---------|---------|---------|---------|
| १) | बाघीकास | अध्यक्ष | बाघीकास |
| २) | बाघीकास | अध्यक्ष | बाघीकास |
| ३) | बाघीकास | अध्यक्ष | बाघीकास |
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| ७) | बाघीकास | अध्यक्ष | बाघीकास |
| ८) | बाघीकास | अध्यक्ष | बाघीकास |
| ९) | बाघीकास | अध्यक्ष | बाघीकास |
| १०) | बाघीकास | अध्यक्ष | बाघीकास |
| ११) | बाघीकास | अध्यक्ष | बाघीकास |
| १२) | बाघीकास | अध्यक्ष | बाघीकास |
| १३) | बाघीकास | अध्यक्ष | बाघीकास |
| १४) | बाघीकास | अध्यक्ष | बाघीकास |
| १५) | बाघीकास | अध्यक्ष | बाघीकास |
| १६) | बाघीकास | अध्यक्ष | बाघीकास |
| १७) | बाघीकास | अध्यक्ष | बाघीकास |
| १८) | बाघीकास | अध्यक्ष | बाघीकास |
| १९) | बाघीकास | अध्यक्ष | बाघीकास |
| २०) | बाघीकास | अध्यक्ष | बाघीकास |

१) बाघीकास बाघीकास, पत्राचार, बाघीकास, बाघीकास
बाघीकासको बाघीकासको विषयमा बाघीकासको बाघीकासको
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१) प्रकाश फ. १ माघी धलाफल गरी मए बाघीको निर्माण
परियोजना पुगेकोमा (११५) बाघीकासको बाघीकासको बाघीकासको
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२) प्रकाश फ. २ माघी धलाफल गरी मए बाघीको बाघीकासको
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गणना क्रमांक: 10/10/2018 मध्ये दि. 12.12.2018

गणना क्रमांक: 10/10/2018 मध्ये दि. 12.12.2018

गणना क्रमांक: 10/10/2018 मध्ये दि. 12.12.2018

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Attendance Sheet of FGD
 Date: 20.04.2024
 Venue: Public Hearing at the Grama Panchayat Office, Mysore

Attendance Sheet of FGD

Sl. No.	Name	Occupation/Title	Contact No.	Signature
1	Dr. Ramesh Kumar	Medical Officer	9845678901	[Signature]
2	Dr. Srinivas	Medical Officer	9845678902	[Signature]
3	Dr. Anand	Medical Officer	9845678903	[Signature]
4	Dr. Lakshmi	Medical Officer	9845678904	[Signature]
5	Dr. Arjun	Medical Officer	9845678905	[Signature]
6	Dr. Priya	Medical Officer	9845678906	[Signature]
7	Dr. Ravi	Medical Officer	9845678907	[Signature]
8	Dr. Nisha	Medical Officer	9845678908	[Signature]
9	Dr. Anil	Medical Officer	9845678909	[Signature]
10	Dr. Sneha	Medical Officer	9845678910	[Signature]

Substantive/Recommendations

1. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.
2. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.
3. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.
4. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.
5. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.

Attendance Sheet of FGD
 Date: 20.04.2024
 Venue: Public Hearing at the Grama Panchayat Office, Mysore

Attendance Sheet of FGD

Sl. No.	Name	Occupation/Title	Contact No.	Signature
1	Dr. Ramesh Kumar	Medical Officer	9845678901	[Signature]
2	Dr. Srinivas	Medical Officer	9845678902	[Signature]
3	Dr. Anand	Medical Officer	9845678903	[Signature]
4	Dr. Lakshmi	Medical Officer	9845678904	[Signature]
5	Dr. Arjun	Medical Officer	9845678905	[Signature]
6	Dr. Priya	Medical Officer	9845678906	[Signature]
7	Dr. Ravi	Medical Officer	9845678907	[Signature]
8	Dr. Nisha	Medical Officer	9845678908	[Signature]
9	Dr. Anil	Medical Officer	9845678909	[Signature]
10	Dr. Sneha	Medical Officer	9845678910	[Signature]

Substantive/Recommendations

1. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.
2. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.
3. ಸರ್ಕಾರದಿಂದ ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಗಳನ್ನು ನಿರ್ಮಿಸುವುದು.

ESMP for the upgradation of inter connected road sections, Tryyuga Municipality

W. K. Acharya & Associates
 Nepal Urban Growth and Infrastructure Project (NUGIP)
 City Engineering
 (P.O. Box 1107)

ESMP and ESMP of ...
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Attendance Sheet of PCID

Date: 2070-04-06 ... Ward No. 93

Sl. No.	Name	Organization/Title	Contact No.	Signature
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Remarks/Recommendation

- 1) ...
- 2) ...
- 3) ...
- 4) ...
- 5) ...
- 6) ...

W. K. Acharya & Associates
 Nepal Urban Growth and Infrastructure Project (NUGIP)
 City Engineering
 (P.O. Box 1107)

ESMP and ESMP of ...
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Attendance Sheet of PCID

Date: 2070/04/09 ... Ward No. 91

Sl. No.	Name	Organization/Title	Contact No.	Signature
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Remarks/Recommendation

- 1) ...
- 2) ...



Date: 30.09.2023
 Venue: Management Studies Department, Mysore
 Word No.: 111

Attendance Sheet of Faculty

Sl. No.	Name	Registration No.	Signature
1	Dr. S. Srinivas	9528772	[Signature]
2	Dr. S. Srinivas	9528772	[Signature]
3	Dr. S. Srinivas	9528772	[Signature]
4	Dr. S. Srinivas	9528772	[Signature]
5	Dr. S. Srinivas	9528772	[Signature]
6	Dr. S. Srinivas	9528772	[Signature]
7	Dr. S. Srinivas	9528772	[Signature]
8	Dr. S. Srinivas	9528772	[Signature]
9	Dr. S. Srinivas	9528772	[Signature]
10	Dr. S. Srinivas	9528772	[Signature]

Suggestions/Discommendations

None. The faculty members are highly motivated and dedicated to their work. They have shown excellent performance in all aspects of their teaching and research. The department is well-organized and the faculty members are working in a very professional manner. The department is also well-equipped with modern facilities and the faculty members are making full use of these facilities. The department is also well-recognized in the field of management studies and the faculty members are contributing significantly to the advancement of the discipline. The department is also well-served by the staff and the faculty members are working in a very harmonious and cooperative manner. The department is also well-organized and the faculty members are working in a very professional manner. The department is also well-equipped with modern facilities and the faculty members are making full use of these facilities. The department is also well-recognized in the field of management studies and the faculty members are contributing significantly to the advancement of the discipline. The department is also well-served by the staff and the faculty members are working in a very harmonious and cooperative manner.

Date: 30.09.2023
 Venue: Management Studies Department, Mysore
 Word No.: 111

Attendance Sheet

Name: Dr. S. Srinivas
 Designation: Associate Professor
 Department: Management Studies

- The faculty members are highly motivated and dedicated to their work. They have shown excellent performance in all aspects of their teaching and research. The department is well-organized and the faculty members are working in a very professional manner. The department is also well-equipped with modern facilities and the faculty members are making full use of these facilities. The department is also well-recognized in the field of management studies and the faculty members are contributing significantly to the advancement of the discipline. The department is also well-served by the staff and the faculty members are working in a very harmonious and cooperative manner.
- The faculty members are highly motivated and dedicated to their work. They have shown excellent performance in all aspects of their teaching and research. The department is well-organized and the faculty members are working in a very professional manner. The department is also well-equipped with modern facilities and the faculty members are making full use of these facilities. The department is also well-recognized in the field of management studies and the faculty members are contributing significantly to the advancement of the discipline. The department is also well-served by the staff and the faculty members are working in a very harmonious and cooperative manner.
- The faculty members are highly motivated and dedicated to their work. They have shown excellent performance in all aspects of their teaching and research. The department is well-organized and the faculty members are working in a very professional manner. The department is also well-equipped with modern facilities and the faculty members are making full use of these facilities. The department is also well-recognized in the field of management studies and the faculty members are contributing significantly to the advancement of the discipline. The department is also well-served by the staff and the faculty members are working in a very harmonious and cooperative manner.

[Signature]
 Dr. S. Srinivas
 Associate Professor
 Management Studies Department

ESTABLISHMENT OF SUBORDINATE COMMISSIONERS OFFICE, THIRGA, UDAYAPUR, NEPAL
पुनर्गठित नगरपालिकाको कार्यालयको स्थापना

Attendance Sheet

Date: २०७३/०५/१४
Name: सुशीला शर्मा
Organization/Occupation: डा. सुशीला शर्मा

कमिश्नरको कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।
कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।
कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।
कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।
कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।


Subordinate Commissioner

ESTABLISHMENT OF SUBORDINATE COMMISSIONERS OFFICE, THIRGA, UDAYAPUR, NEPAL
पुनर्गठित नगरपालिकाको कार्यालयको स्थापना

Attendance Sheet

Date: २०७३/०५/१४
Name: सुशीला शर्मा
Organization/Occupation: डा. सुशीला शर्मा

१. सुशीला शर्माको कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।
२. सुशीला शर्माको कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।
३. सुशीला शर्माको कार्यालयको स्थापनाको लागि १४/०५/७३ को तारिखमा सुशीला शर्माको उपस्थिति दर्ता गरिएको छ।


Subordinate Commissioner

Municipal Construction
Nagar Udahar Construction and Infrastructure Development (NURCID)
Tribhuvan Municipality
City of Lalitpur

ESMP and ESMP-Implementation (वडा नं. १) उपकडीको गते

Attendance Sheet of FCL

Date: 2020/05/19 Name: श्री शिवा ग्रेड विकास Ward No. 11

Sl. No.	Name	C. Function/Title	Contact no.	Signature
1	Pranesh Dabai		972716211	[Signature]
2	Pranesh Dabai		972716211	[Signature]
3	Pranesh Dabai		972716211	[Signature]
4	Pranesh Dabai		972716211	[Signature]
5	Pranesh Dabai		972716211	[Signature]
6	Pranesh Dabai		972716211	[Signature]
7	Pranesh Dabai		972716211	[Signature]
8	Pranesh Dabai		972716211	[Signature]
9	Pranesh Dabai		972716211	[Signature]
10	Pranesh Dabai		972716211	[Signature]

- 1) कोठरीमा कुन विवर उपस्थित छि कारको निर्माण कार्य सम्पन्न सम्पन्न हुनु पर्छ।
- 2) कोठा निर्माण गुणस्तर पुग्नु हुनु पर्छ।
- 3) कोठा निर्माणमा गुणस्तर सामग्रीको प्रयोग हुनु पर्छ।
- 4) कोठाको निर्माणमा नाली ब्यापि विभाप लक्षित हुनु पर्छ।
- 5) गुणस्तर सम्पन्नको साथै गरिबको लागि।

Municipal Construction
Nagar Udahar Construction and Infrastructure Development (NURCID)
Tribhuvan Municipality
City of Lalitpur

ESMP and ESMP-Implementation (वडा नं. १) उपकडीको गते

Attendance Sheet of FCL

Date: 2020/05/02 Name: महिला मण्डल Ward No. 10

Sl. No.	Name	C. Function/Title	Contact no.	Signature
1	[Signature]			[Signature]
2	[Signature]			[Signature]
3	[Signature]			[Signature]
4	[Signature]			[Signature]
5	[Signature]			[Signature]
6	[Signature]			[Signature]
7	[Signature]			[Signature]
8	[Signature]			[Signature]
9	[Signature]			[Signature]
10	[Signature]			[Signature]

- कार सम्पन्नको साथै कोठरीमा कुन विवर उपस्थित छि कारको निर्माण कार्य सम्पन्न सम्पन्न हुनु पर्छ।
- कोठा निर्माण गुणस्तर पुग्नु हुनु पर्छ।
- कोठा निर्माणमा गुणस्तर सामग्रीको प्रयोग हुनु पर्छ।
- कोठाको निर्माणमा नाली ब्यापि विभाप लक्षित हुनु पर्छ।
- गुणस्तर सम्पन्नको साथै गरिबको लागि।

Municipal documents related to GBV cases

१. हिंसाको प्रकृति विवरण : २०७७-७८



क्र.स	हिंसाको प्रकार	जम्मा नम्बर	वै.फि.यत
>	भारतीय	३०	
१	भारतीय	१३	
२	बहुविधता	३	
३	गान्धीयजीव	४	
४	मानविक यातना	२	
५	प्राथमिक आरोप	६	
६	सोत गुणधारायाट यन्त्रितीकरण	२	
>	सामाजिक हिंसा	१६	
१	कुटापिट	१	
२	गान्धीयजीव		
३	वोचनको आरोप		
४	जबरजस्ती विवाहा		
५	बाल विवाहा	१५	
>	गौन हिंसा	३०	
१	बलात्कार	२१	
२	बलात्कारको प्रयास	२	
३	सामुहिक बलात्कार		
४	सामुहिक बलात्कारको प्रयास		
५	हाडनाता करणी		
६	बाल दुर्व्यवहार	७	
७	अलपत्र	२	
८	गर्भवती भई अलपत्र	३	
९	मानव बेचबिखन		
१०	आत्मा हत्या		
	जम्मा	७८	



१ हिसाको प्रकृति बिबरण : २०७८-७९

क्र.स	हिसाको प्रकार	जम्मा जम्मा	कैफीयत
१	घरेनु हिसा	१०	
	भारिभिक	२०	
२	पहुचवाहा	१	
३	गानीगलीज	७	
४	मानाशक यानना	६	
५	धारीभिक आरंगप	०	
६	धात सुविधाघाट बन्धितीकरण	४	
१	सामाजिक हिसा	६	
	कुटुपिट		
२	गानीगलीज	१	
३	योक्सिको आरंगप	०	
४	जवरजस्ना विवाहा	०	
५	यान विवाहा	७	
१	योन हिसा	११	
	बलात्कार	७	
२	बलात्कारको प्रयास	४	
३	सामुहिक धलात्कार		
४	सामुहिक बलात्कारको प्रयास		
५	हाडनाला करणी		
६	योन दुव्यवहार		
७	हत्या		
८	हत्याको प्रयास		
९	मानव बेचाबिखन		
१०	धन्य, धलपत्र	११	
	जम्मा	६६ जना	

F/Y 2079186

१. हिंसाको प्रकृति विवरण

क्र.स	हिंसाको प्रकार	जम्मा संख्या	कैफियत
>	घरेलु हिंसा	६८	
१	शारीरिक	२५	
२	वृत्तमिवाहा	१	
३	गालीगलौज	२०	
४	मानसिक यातना	१३	
५	चारीधिक आरोप	३	
६	स्रोत सुविधाबाट वन्चितीकरण	२	
>	सामाजिक हिंसा	५	
१	कुटपिट	०	
२	गालीगलौज	०	
३	बोक्सिको आरोप	०	
४	जबरजस्ती विवाहा	०	
५	वाल विवाहा	५	
>	यौन हिंसा	१५	
१	बलात्कार	१३	
२	बलात्कारको प्रयास	२	
३	सामहिक बलात्कार		
४	सामहिक बलात्कारको प्रयास		
५	हाडनाता करणी		
६	यौन दुर्व्यवहार		
७	हत्या		
८	हत्याको प्रयास		
९	मानव बेचबिखनको प्रयास	१	
१०	अन्य,अलपत्र	५	
	जम्मा	९४ जना	

नोट सुरक्षावासीभित्र बसेर सेवा लिने संख्या ९४ र बाहिरबाट मनोबिमर्श सेवा,कानुनी सहयोग,कानुनी परामर्श,पारिवारी परामर्श जस्ता लगाएको सेवालिनैहरुको संख्या गरी जम्मा ६५ जनाले सेवा पाएका छन् भने सुरक्षावासीमा सेवाग्राहि संग आएको आश्रित बालबालिकाको संख्या ३० जना गरी यस बर्ष १२४ जनालाई सुरक्षावासीभित्र सेवा प्रदान गरीएको छ ।

Letter from Triyuga Small Town Water supply and Sanitation user Committee

द.म.स.०११/०१४

सं.सं.मं. १०,०११-१०२२१



त्रियुगा साना शहरी खानेपानी तथा सरसफाई उपनोत्पा समिति (संस्था)



पत्र संख्या : ०६० ०६१
जसानी नम्बर : ४

दिनांक : २०६०/०१/२५

विषय : सागत स्टीमेन्ट मार्ग पठाईएको सम्बन्धमा ।

श्रीमान् तम्बे प्रसाद
त्रियुगा नगरपालिकाको कार्यालय, गाईघाट उदयपुर

उपरोक्त सम्बन्धमा तहाँ कार्यालयको धन २५.७ लाख २०६० ०१ २५ का पत्रमा
घ्योरोस अग्रगत पत्र NUGIP कार्यक्रम अन्तर्गत तहाँ कार्यालयबाट छनौट भएका यदा न ११ र
१० का विभिन्न सडकहरूमा हाल सञ्चालनमा रहेका खानेपानी पाईपलाईनहरू रनल भागका
सडकका पार्श्व भाग रहेकामा उक्त पाईपलाईनहरूको लागत स्टीमेन्ट मार्ग पठाईएको भन्ने पत्र
अनुसार लागत स्टीमेन्ट मार्ग यरी पत्र साथ समग्न राखि पठाईएको घ्योरोस पत्रमाय माद
अनुरोध छ ।

Handwritten signature and stamp

13/9/29
श्रीमान् तम्बे प्रसाद
का.सं. अध्यक्ष

Handwritten notes and signature at the bottom left

Letter from NEA for pole relocation



नेपाल विद्युत प्राधिकरण

। नेपाल सरकारको स्वामित्व ।
वितरण तथा धार्मिक सेवा विभाग
कोशी प्रदेश भारतीय विद्युत प्राधिकरण धाराटनगर
उत्तरपूर्व वितरण केन्द्र
गाइघाट

■ कार्यालय प्रमुख ०३२-४२५६१२

■ प्रशासन ०३२-४२५६१२

प.स.- २०८०/०८१ च.न.- १६६

मिति : २०८०/०९/०२

श्री त्रियुगा नगरपालिका
चि.न.पा.११, गाइघाट

विषय: लागत इस्टिमेट पठाइएको बारे ।

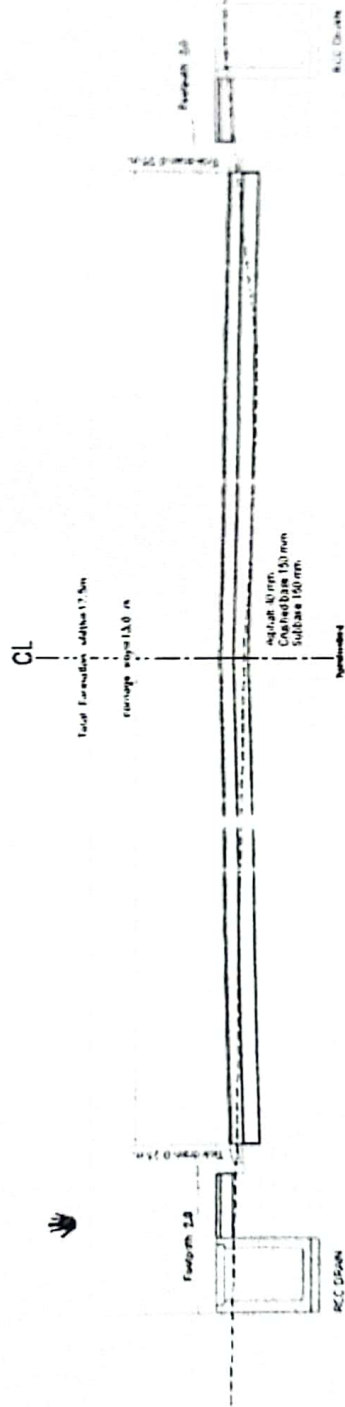
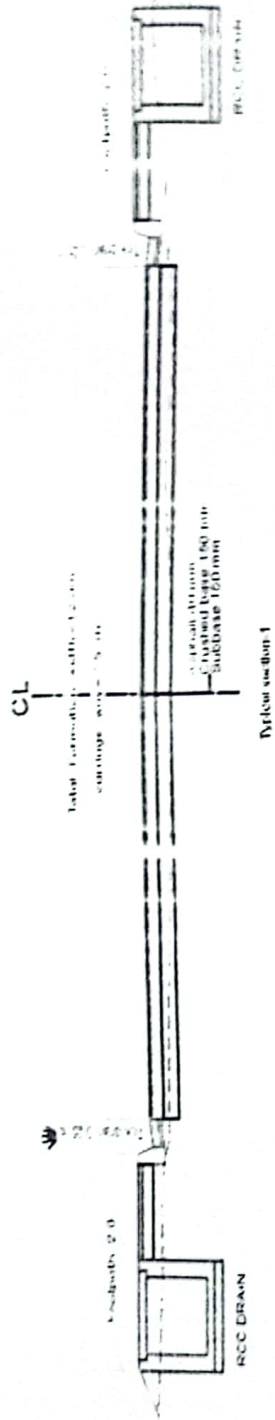
उपरोक्त सम्बन्धमा तहा कार्यालयबाट प.स. २०८०/०८१ को च.न. २५८ को पत्रअनुसार NUGIP कार्यक्रम अन्तर्गत तथा कार्यालय बाट छुनाट भएका वडा न.१०,११ र १२ का विभिन्न सडकको किनारामा हाल संचालनमा रहेका विधुतिय संरचनाहरूलाई बन्न लागेका नयाँ सडकको दाया बाया किनारामा रहने गरी नयाँ विधुतिय संरचनाको लागि लागत इस्टिमेट गरी यसै पत्र साथ मलग्न राखी पठाइएको व्यहोरा पत्रसाथ अनुरोध छ ।

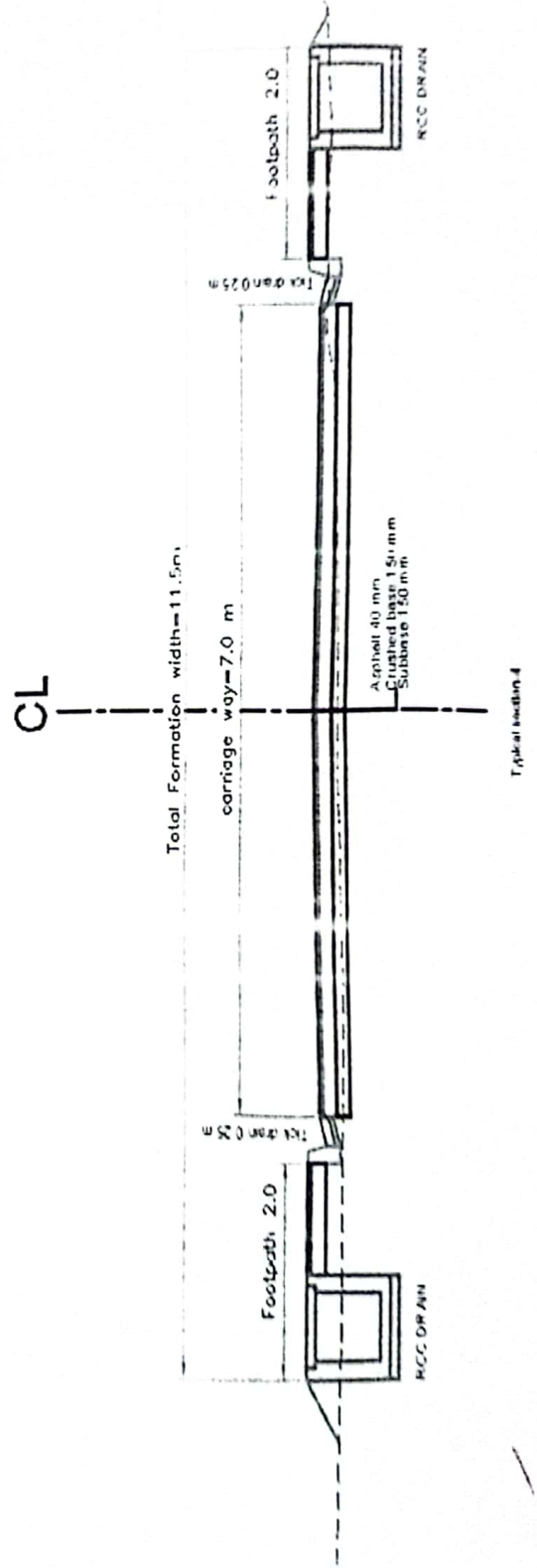
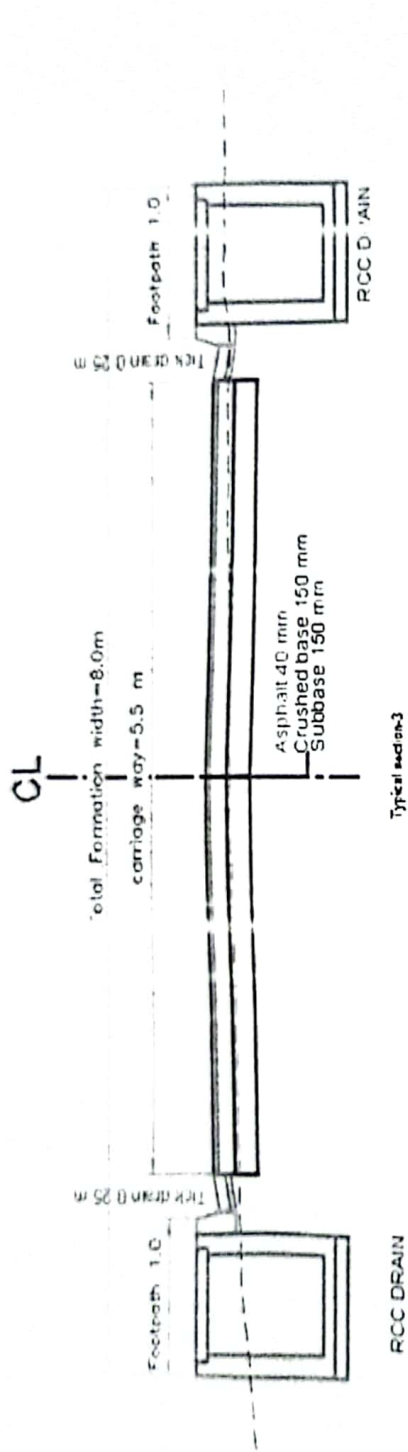
इ. त्रियुगा
AP
3/12

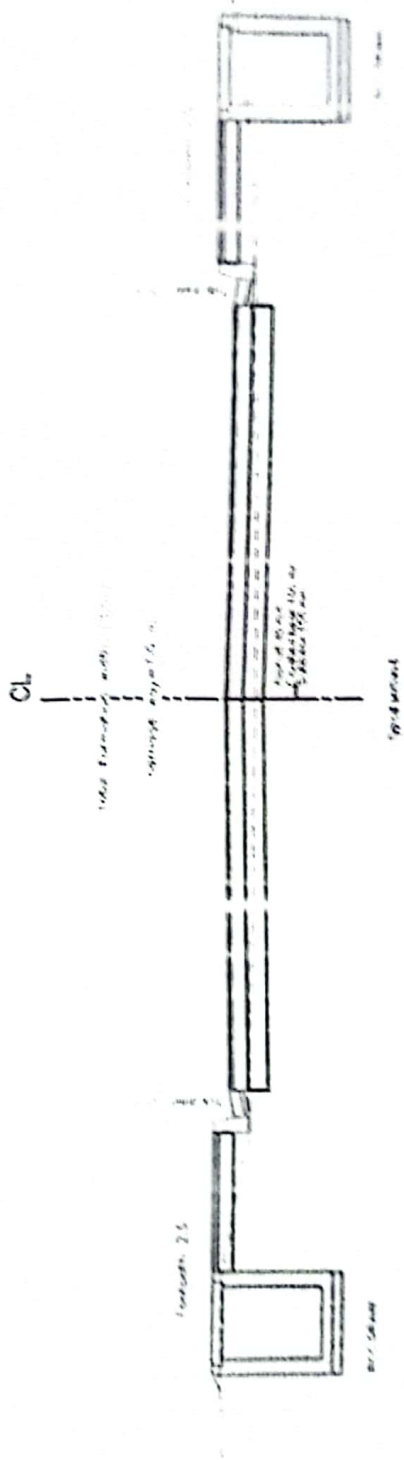
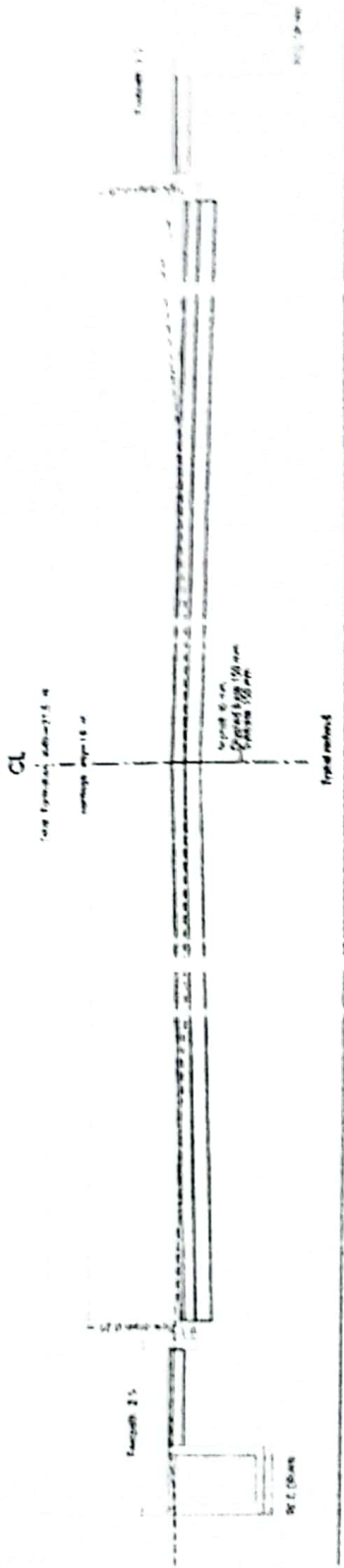
नेपाल विद्युत प्राधिकरण
कोशी प्रदेश
भारतीय विद्युत प्राधिकरण
धाराटनगर
उत्तरपूर्व वितरण केन्द्र
गाइघाट

इ. विजय बाबु खत्री
केन्द्र प्रमुख
केन्द्र प्रमुख

Annex III: Proposed Typical Cross Section







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
	Physical			
1	Turbidity	NTU	5	
2	pH		6.5 - 8.5	
3	Colour	TCU	5	
4	Taste & odour		Unobjectionable	
5	Electrical Conductivity	µS/cm	1500	
	Chemical			
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.)	
	Microbiological			
19	Total Coliform	(CFU/10 ml)	0	

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

SN	Parameters	Unit	Limits	Remarks
	Physical			
1	Total Dissolved Solids	mg/L	1000	
	Chemical			
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	
8	Nitrites	mg/L	3	
	Microbiological			
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 ³	24 - hours	230
PM ₁₀	µg/m ³	24 - hours	120
PM _{2.5}	µg/m ³	24 - hours	40
Sulfur Dioxide	µg/m ³	Annual	50
		24-hours	70
Nitrogen Dioxide	µg/m ³	Annual	40
		24-hours	80
Carbon Monoxide	µg/m ³	8hours	10000
Lead	µg/m ³	Annual	0.5
Benzene	µg/m ³	Annual	5
Ozone	µg/m ³	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 _{eq} (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 Power Generator Emission Limit (g/kWh), 2069

Category, (kW)	CO	HC	NOx	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, 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	26A/080-81		
Sample Number	17A/080/81		
Client	Bosphorous Technical Consulting Corp (BOTEK), GOEC Nepal P. Ltd		
Sampling location	Triyuga Municipality Ward No. 1, Gaighat townplanning area Road Section (1.5Km)	GPS point: 26°47'30.40"N 86°41'57.31"E	
Project	Upgrading of different inter connected Road Sections(10.59Km), Gaighat townplanning area Road Section (1.5Km), City hall'simaltar Gaighat Diktel road section (2.88 Km), Babarani DM Gate Road Section (0.65Km), Fulchowk PG Chowk Road Botetole Triyuga Corridor section (0.86Km), City Hall Ramchandra Basnet house Road Section (0.28Km), Gaighat Shivalay tole-Adarsha tole-ramailo danda manmohan school to karamgachhi diktel connecting, Road Section (2.25Km), Pragati tole kha (Quarter front) ko road to sakela road ward 11, 13 (2.17Km)		
Sampled by	Environment Management And Analysis Services P. Ltd., Dillibazar, Kathmandu		
Sampling Date	07 - 08 September 2023		
Report Date	20 September, 2023		
Instrument used	Respirable Dust Sampler (GTI 151) and Combined Sampler (GTI 241)		
Result			
Parameter	NAAQS	Observed Values	Method
TSP ($\mu\text{g}/\text{m}^3$)	230.0	164.5 ↑	IS 5182 (Part 14)-2000 (reaffirmed 2005)
PM ₁₀ ($\mu\text{g}/\text{m}^3$)	120.0	77.3	IS 5182 (Part -23):2006
PM _{2.5} ($\mu\text{g}/\text{m}^3$)	40.0	32.0	IS 5182: Part 24: 2019
SO ₂ ($\mu\text{g}/\text{m}^3$)	70.0	8.8	IS 5182 (Part 2)-2006
NO _x ($\mu\text{g}/\text{m}^3$)	80.0	8.3	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.

[Signature]
Sampled by

[Signature]
Checked by

[Signature]
Authorized by

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



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

Regd No. 127787/01/177
Jwugpl, Lalitpur, Nepal
GPO Box No. 8975, EPC 5296
Contact No. 977-01-47690266 9351126060
Email: emas@emas.com.np, emaserrn@gmail.com
Website: emas.com.np

ANALYSIS REPORT FOR AMBIENT AIR QUALITY

Report Number	27A/080-81		
Sample Number	17A/080/81		
Client	Bosphorous Technical Consulting Corp (BOTEK), GOEC Nepal P. Ltd		
Sampling location	Triyuga Municipality Ward No. 11, City hall simaltar Gaighat Diktel road section (2.88 Km)	GPS Point: 26°48'11 59"N 86°47'20 16"E	
Project	Upgrading of different inter connected Road Sections(10.59Km), Gaighat townplanning area Road Section (1.5Km), City hall simaltar Gaighat Diktel road section (2.88 Km), Babarani DM Gate Road Section (0.65Km), Fulchowk PG Chowk Road Botetole Triyuga Corridor section (0.86Km), City Hall Ramchandra Basnet house Road Section (0.28Km), Gaighat Shivalay tole-Adarsha tole-ramailo danda manmohan school to karamgachhi diktel connecting, Road Section (2.25Km), Pragati tole kha (Quarter front) ko road to sakela road ward 11, 13 (2.17Km)		
Sampled by	Environment Management And Analysis Services P. Ltd., Dillibazar, Kathmandu		
Sampling Date	07 -08 September 2023		
Report Date	20 September, 2023		
Instrument used	Respirable Dust Sampler (GTI 151) and Combined Sampler (GTI 241)		
Result			
Parameter	NAAQS	Observed Values	Method
TSP ($\mu\text{g}/\text{m}^3$)	230.0	131.4	IS 5182 (Part 14)-2000 (reaffirmed 2005)
PM ₁₀ ($\mu\text{g}/\text{m}^3$)	120.0	58.4	IS 5182 (Part -23):2006
PM _{2.5} ($\mu\text{g}/\text{m}^3$)	40.0	14.1	IS 5182: Part 24: 2019
SO ₂ ($\mu\text{g}/\text{m}^3$)	70.0	6.3	IS 5182 (Part 2)-2006
NO ₂ ($\mu\text{g}/\text{m}^3$)	80.0	8.9	IS 5182 (Part 6)-2006
CO ($\mu\text{g}/\text{m}^3$)	1000.0	270.0	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.

[Signature]
Sampled by

[Signature]
Checked by

[Signature]
Authorized by

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



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

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

ANALYSIS REPORT FOR AMBIENT NOISE LEVEL

Report Number	29N/080/81	Sample Number	18-N/080/81						
Sampling Date	07 - 08 September 2023								
Client	Bosphorous Technical Consulting Corp (BOTEC), GOEC Nepal P. Ltd								
Sampling location	Triyuga Municipality Ward No. 11, Gaighat townplanning area Road Section (1.5Km)	GPS point: 26°47'30.40"N 86°41'57.31"E							
Project	Upgrading of different inter connected Road Sections(10.59Km), Gaighat townplanning area Road Section (1.5Km), City hall simaltar Gaighat Diktel road section (2.88 Km), Babarani DM Gate Road Section (0.65Km), Fulchowk PG Chowk Road Botetole Triyuga Corridor section (0.86Km), City Hall Ramchandra Basnet house Road Section (0.28Km), Gaighat Shivalay tole-Adarsha tole-ramallo danda manmohan school to karamgachhi diktel connecting, Road Section (2.25Km), Pragati tole kha (Quarter front) ko road to sakela road ward 11, 13 (2.17Km)								
Sampled by	Environment Management And Analysis Services P. Ltd., Dillibazar, Kathmandu								
Report Date	20 September, 2023								
Instrument used	LUTRON SL - 4033SD								
Test method	Noise Measurement Protocol (Central Pollution Control Board, India)								
Hours	Time	Noise Level (dBA)			Hours	Time	Noise Level (dBA)		
		Lmax	Lmin	Leq			Lmax	Lmin	Leq
06:00 - 07:00	Day	71.3	46.4	51.0	18:00 - 19:00	Night	69.1	44.1	49.1
07:00 - 08:00		80.3	49.4	56.6	19:00 - 20:00		74.4	49.9	48.5
08:00 - 09:00		77.1	55.6	54.6	20:00 - 21:00		67.2	43.1	48.4
09:00 - 10:00		75.8	53.2	52.9	21:00 - 22:00		57.9	41.8	44.6
10:00 - 11:00		83.0	51.4	61.9	22:00 - 23:00		55.5	43.0	47.6
11:00 - 12:00		85.3	54.6	50.4	23:00 - 00:00		59.2	39.3	44.9
12:00 - 13:00		78.3	49.5	52.9	00:00 - 01:00		60.7	38.9	44.2
13:00 - 14:00		82.7	48.3	63.3	01:00 - 02:00		61.3	41.5	47.9
14:00 - 15:00		87.4	46.6	51.8	02:00 - 03:00		62.9	42.5	47.9
15:00 - 16:00		89.0	46.6	49.8	03:00 - 04:00		61.3	46.7	49.6
16:00 - 17:00		81.9	47.1	54.2	04:00 - 05:00		64.3	44.5	50.3
17:00 - 18:00		77.7	48.3	41.0	05:00 - 06:00		59.2	45.6	50.1
Leq average (Day)				54.2	Leq average (Night)				47.8
Permissible limit *				65.0	Permissible limit				55.0

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

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

Sampled by

Checked by

Authorized by

Environment Management
&
Analysis Services P. Ltd



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ANALYSIS REPORT FOR AMBIENT NOISE LEVEL

Report Number	30/N/080-81	Sample Number	18-N/080/81								
Sampling Date	07 - 08 September 2023										
Client	Bosphorous Technical Consulting Corp (BOTEC), GOEC Nepal P. Ltd										
Sampling location	Triyuga Municipality Ward No. 11, City hall simaltar Gaighat Diktel road section (2.88 Km)	GPS Point: 26°48'11.59"N 86°42'20.16"E									
Project	Upgrading of different inter connected Road Sections(10.59Km), Gaighat townplanning area Road Section (1.5Km), City hall simaltar Gaighat Diktel road section (2.88 Km), Babarani DM Gate Road Section (0.65Km), Fulchowk PG Chowk Road Botetole Triyuga Corridor section (0.86Km), City Hall Ramchandra Basnet house Road Section (0.28Km), Gaighat Shivalay tole-Adarsha tole-ramailo daanda manmohan school to karamgachhi diktel connecting, Road Section (2.25Km), Pragati tole kha (Quarter front) ko road to sakela road ward 11, 13 (2.17Km)										
Sampled by	Environment Management And Analysis Services P. Ltd., Dillibazar, Kathmandu										
Report Date	20 September, 2023										
Instrument used	LUTRON SL - 4033SD										
Test method	Noise Measurement Protocol (Central Pollution Control Board, India)										
	Noise Level (dBA)										
Hours	Time	Lmax	Lmin	Leq	Hours	Time	Lmax	Lmin	Leq		
06:00 - 07:00	Day	65.2	48.7	52.2	18:00 - 19:00	Night	61.3	46.2	48.6		
07:00 - 08:00		60.8	49.1	51.5	19:00 - 20:00		66.3	47.3	49.4		
08:00 - 09:00		66.8	53.1	54.2	20:00 - 21:00		57.2	47.5	48.1		
09:00 - 10:00		71.9	52.8	53.7	21:00 - 22:00		55.0	39.1	51.5		
10:00 - 11:00		69.8	49.7	52.4	22:00 - 23:00		61.2	37.3	47.7		
11:00 - 12:00		65.2	50.7	54.3	23:00 - 00:00		63.2	36.1	47.1		
12:00 - 13:00		67.2	51.5	56.2	00:00 - 01:00		59.5	37.2	48.4		
13:00 - 14:00		63.2	50.3	52.7	01:00 - 02:00		59.4	44.5	49.8		
14:00 - 15:00		63.2	50.3	52.7	02:00 - 03:00		59.4	44.5	49.8		
15:00 - 16:00		66.2	49.1	53.2	03:00 - 04:00		62.4	47.3	48.4		
16:00 - 17:00		63.5	47.2	50.5	04:00 - 05:00		71.9	46.7	48.6		
17:00 - 18:00		71.9	48.7	51.8	05:00 - 06:00		63.2	49.7	51.8		
Leq average (Day)				53.1	Leq average (Night)				48.9		
Permissible limit *				65.0	Permissible limit				55.0		

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

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

[Signature]
Sampled by

[Signature]
Checked by

[Signature]
Authorized by

[Signature] Environment Management & Analysis Services P. Ltd



**ENVIRONMENT MANAGEMENT
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Water Analysis Report

Client: Bosphorous Technical Consulting Corp (BOTEC), GOEC Nepal P. Ltd
Sample Location: Triyuga Municipality Ward No. 11, City hall simaltar
Gaighat Diktel road section (2.88 Km)
GPS Point: 26°48'11.18"N 86°42'20.53"E
Report No: 32/W/080-S1
Report Date: 20 September, 2023
Sampled by: EMAS P. Ltd.

Sample Sources: Hand Pump
Owner: Bidur Katwal
Year of Installation: 2006
Depth of hand pump: 18 feet
Sampling Date: 08 September, 2023
Received Date: 09 September, 2023
Analysis Period: 09 - 12 Sept, 2023

Project: Upgrading of different inter connected Road Sections (10.59Km),
Gaighat townplanning area Road Section (1.5Km), City hall simaltar
Gaighat Diktel road section (2.88 Km), Babarani DM Gate Road Section
(0.65Km), Fulchowk PG Chowk Road Botetole Triyuga Corridor section
(0.86Km), City Hall Ramchandra Basnet house Road Section (0.28Km),
Gaighat Shivalay tole-Adarsha tole-ramailo danda manmohan school to
karamgachhi diktel connecting, Road Section (2.25Km), Pragati tole kha
(Quarter front) ko road to sakela road ward 11, 13 (2.17Km)

Parameters	Unit	NDWQS	Observed Values	Test Methods
pH	-	6.5 - 8.5	7.2	4500 H' B, APHA, 22nd EDITION
Colour	-	5 (15)	<0.1	2120 B, APHA, 22 nd EDITION
Turbidity	NTU	5 (10)	2.5	2130 B, APHA, 22nd EDITION
Electrical Conductivity	µS/cm	1500	148.0	2510 B, APHA, 22nd EDITION
Temperature (Lab)	°C	-	24.0	2550 B., APHA, 22nd EDITION
Total Hardness	mg/l as CaCO ₃	500	68.0	2340 C, APHA, 22nd EDITION
Chloride	mg/l	250	3.2	4500-CF B, APHA, 22nd EDITION
Ammonia	mg/l	1.5	<0.02	4500-NH ₃ C., APHA, 17 th EDITION
Nitrate	mg/l as NO ₃	50	0.5	4500-NO ₃ -B., APHA, 22nd EDITION
Iron	mg/l	0.3 (3)	<0.01	3112 B., APHA, 22nd EDITION
Manganese	mg/l	0.2	<0.02	3112 B., 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, N/A : Not Available

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

Analyzed by

Checked by

Authorized Signature

Environment Management
&
Analysis Services P. Ltd

Annex VI: List of Zebra Crossings

SN	Name of the Road	Chainage	Nos.	Remarks
1	TOWN Planning _1	0+015	1	
2		0+050.346	1	
3		0+085	1	
4		0+180.75	1	
5		0+264.5	1	
6		0+315.75	1	
7		0+543	1	
8		0+601.75	1	
9		0+820.25	1	
10		0+880	1	
11		1+000	1	
12		1+030.75	1	
13	TOWN Planning _2	0+867.373	1	
14		1+025.283	1	
15		0+471	1	
16		0+270	1	
17		0+221.25	1	
18	City hall Simaltar	0+025.25	1	
19		0+165	1	
20		0+236.25	1	
21		0+286.25	1	
22		0+260.399	1	
23		1+314.75	1	
24		1+270.25	1	
25		1+292.192	1	
26		0+925.25	1	
27		0+873.75	1	
28		0+481.25	1	
29		0+427.75	1	
30		1+784.5	1	
31		1+729.75	1	
32		2+109.75	1	
33		2+054.25	1	
34		2+649.75	1	
35		2+597.5	1	
36		2+854.25	1	
37		1+925	1	
38	Babarani DM Gate	0+617.75	1	
39		0+005.5	1	
40		0+157.75	1	
41		0+190.25	1	

SN	Name of the Road	Chainage	Nos.	Remarks
42		0+385.25	1	
43		0+421	1	
44	Fulchowk Triyuga Corridor	0+015.021	1	
45		0+384.782	1	
46		0+443.327	1	
47		0+850.951	1	
48	Pragati Tole 1	0+022.5	1	
49		0+141.5	1	
50		0 110.75	1	
51		0+279	1	
52		0+232	1	
53		0+766.5	1	
54	Pragati Tole 2	0+029.322	1	
55		0+131.917	1	
56		0+200	1	
57		0+593	1	
58		0+703.75	1	
59		0+994	1	
60		1+072.546	1	
61		1+280	1	
62		1+220	1	
63	Gaighat Shivalaya	0+040.331	1	
64		0+390.713	1	
65		0+702.502	1	
66		0+658.002	1	
67		0+890.752	1	
68		0+857.077	1	
69		1+206.752	1	
70		1+167.252	1	
71		1+587.502	1	
72		1+393.252	1	
Total			72	Nos.

Annex VIII: Stakeholder Consultation Details

1. Gaighat town planning area Road Section

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
5/24/2080	KII	Shahi kumar Tuladhar Chairperson, Himali tole bikas sastha	Must be Quality Road structures Side drain must be made on both side of the road. Must start the construction work as soon as possible.	Project emphasis that there will be no compromise on the quality of the road structure. Proper monitoring will be done to the contractor.
2080/06/11	FGD	Ramesh Dahal and other Jyotinagar tole members (Participants: 7M/3F, including 6IPs)	Mainly emphasized on the quality of road and the material that will be used during the construction. Must be safe and clean side drain.	We clarify that project will monitor for the quality and side drain will be made clear.
2080/05/24	FGD	Shahi kumar Tuladhar Chairperson and other members of Himali tole bikas sastha, (Participants: 9M/3F)	<ul style="list-style-type: none"> Focused on the quality road structure. Must be completed on time. Must be drainage on both side of the road 	Project emphasis that there will be no compromise on the quality of the road structure. Proper monitoring will be done to the contractor.
2080/05/24	Meeting	Shashi Kumar Tuladhar and Himali tole members/Locals	Must be drainage on both side of the road. Local people must be used during the construction phase. Training must be given.	Project will address the drainage in the design. It will also take care of local labor as far as possible. There will be training program for the

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/06/11	Meeting	(Participants: 10M/4F) Bharat Prasad Chaudhary and members of Jyotnagar tole bikas (Participants: 17M/2F)	Environmental problem must be taken seriously. Very happy to help for the completion of the project. Willing to work in the project. Focused on the opportunity of local people to work in the project. Water must be sprayed during the construction phase.	local labor. Environmental issues will be carefully addressed. We clearly mention that local manpower will be used as far as possible and all other environmental and social issues will be seriously addressed.

City Hall simaltar Gaighat Diktel road section

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/05/11	FGD	Devi Prasad Khatiwoda and members of Shivalaya tole bikas Sastha, W-11 (Participants: 9M/2F)	<ul style="list-style-type: none"> No objection for the construction of the road. ROW is clear. Quality of must be maintained. Must be completed on time 	We thank them for their support and promised that the project will be completed on time.
2080/05/11	FGD	Nabin Karki and members of Indreshwor tole bikas Sastha, W-11 (Participants 10M/1F)	<ul style="list-style-type: none"> Row is clear already in 2055 BS as 20m. No objection on the clearance of the ROW. Difficulty for the pedestrian on this existing road No any GIBV. 	We assured them that project will be completed as soon as possible

2080/05/11	Meeting	Devi Prasad Khatiwoda and other tole members of Shivalaya tole bikas Sashta, W-11 (Participants: 15M/3F)	<ul style="list-style-type: none"> • Must start work as soon as possible • Must be environmentally friendly • No any obstacles for the completion of the road project 	We made them clear about the completion date of the project and also mention that the environmental and social issues will be address properly.
2080/05/12	Meeting	Nabin Karki and members of Indreshwor tole bikas Sashta, W-11 (Participants: 14M/6F)	<ul style="list-style-type: none"> • Must complete the project with quality work. • Local people have to be involved in the construction work. • Training to the local people should be given. 	As i ready stated, that the project will be completed on time and issues related to the local employment and local labor force will be timely addressed. ESMP will be strictly followed.

Babarani DM Gate Road Section

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/05/12	FGD	Tek Bahadur Thapa and members of Babarani Tole bikas, Ward-11 (Participants: 10M/1F)	<ul style="list-style-type: none"> • Must start work and work must be of good quality. • Road must be completed on time. • Dust and other environmental must be settled during construction phase. • Local people must be given chance to work for their income and must provide training. 	The project completion date is made clear. We also focused that local people will be taken for the construction work as soon as possible. Environmental problems will be addressed timely and properly.
2080/05/12	Meeting	Bishnu Shrestha, Ward member and Locals of	<ul style="list-style-type: none"> • Quite happy to know that construction will be started as soon as possible. • No any social and environmental issues 	Project is very serious about the local work force so that there will be limited effect to the national

	Ward-11 (Participants: 18M/3F)	<ul style="list-style-type: none"> Must be completed on time. Local people must be used during construction work. 	resources. Environmental issues will be addressed on time. Water will be sprayed during the construction phase.
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Fulchowk PG Chowk Road Botetole Triyuga Corridor section

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/05/07	FGD	Tara Prasad Chaudhari and members of Fulchowk tole, Ward-12 (Participants: 11M/0F)	Very delay for the start of the work. Very poor condition of the existing road and very difficult for the pedestrians. No any environmental and social issues.	We clearly told them that the work will be completed on time. Environmental issues will be address properly during the construction phase.
2080/05/07	FGD	Lawa Dhakal and members of Anamnagar tole bikas, Ward-12 (Participants: 5M/6F)	Very necessary to start this work as soon as possible. Must be quality road structures. Local people must be used for the labor work force.	Project will be completed on time. Quality of the road will be monitor regularly by the concerned authorities. Local manpower will be used as far as possible.
2080/05/07	Meeting	Narman Bot Ward 12 Chair and Locals (Participants: 15M/3F, All IPs)	Very happy to know that the work will be started soon. ROW is clear and people are very willing to help the project. Must be good quality of road. Training for the local people must be provided.	Completion time was stated and quality of the road is assured. Environmental and social problems will be addressed promptly.

ESMP for the upgradation of inter connected Road sections, Tryyuga Municipality

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/05/07	Meeting	Shankar Bahadur Kathayat and Locals of Ward 12 (Participants: 12M/7F)	Dust and other environmental problems must be settled by the project during the construction of the road Road ROW is clear municipality in 2055 BS. No issues on the environmental and social part. Women empowerment must be taken into consideration. Road safety must be taken seriously during construction phase.	Different training program awareness campaign will be done by the concern authorities. Road safety and safety signboard will be installed on every alignment on the regular interval and as per need.

City Hall Ramchandra Basnet house Road Section

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/05/09	FGD	Sabina Phuyal and other members of Namuna Margatole bikas sashtra (Participants: 5M/7F)	Must be completed the project on time.	Project will be completed on time. There is no permanent structure and big trees in the alignment so there are no any environmental and social issues.
2080/05/12	Meeting	Bishnu Shrestha, ward member and Locals of Ward-11 (Participants: 14M/12F)	Very willing to help for the project. Must start the work as soon as possible. Quality must be assured. Dust must be controlled during the constructing work.	Road safety and children safety measure will be taken very seriously. Quality of work will be monitored very seriously. Work will be completed on time.

Date	Consultation Type	Composition of Participants	Issues Discussed	Responses from Project
2080-06-08	FGD	Bishwanda Khat and other members of Ramachandani tribe (Female 10 (Participants 7M/4F)	<ul style="list-style-type: none"> Request for the first work to be completed Willing to help for the project as far as possible. No CDFV and other kind of road works 	<p>The act will address all the environmental and social impacts of the project during the construction phase as well as operational stage. An access program will be provided to the local people.</p>
2080-06-08	FGD	Kulpara Khator and other members of Yakata women group of Ramachandani tribe (Female 10 (non)	<ul style="list-style-type: none"> Work must be done effectively and efficiently. Very willing to help for the project. 	<p>We highly appreciate the people of this area and promise them to start the work as soon as possible.</p>
2080-07-08	Meeting	Subandri (BK) ward chair and members of Ramachandani tribe (Female 10 (Participants 6M/7F)	<ul style="list-style-type: none"> Very willing to help the project. Must be completed during construction phase. Quality of road must not be compromised. 	<p>Project will closely monitor the quality of the road. Environmental and social issues will be addressed timely and promptly.</p>
2080-06-08	Meeting	Kulpara Khator and other members of Yakata women group of Ramachandani tribe (Female 10 (non)	<ul style="list-style-type: none"> Work must be given priority for the work during the construction phase. Must be completed the road on time. Very difficult to work at the existing condition. Proper training must be provided to the local people. 	<p>Project will emphasize for the work on empowerment and training on the different aspect will be provided to the local people. Construction of the road will be completed on time and with quality road structures.</p>

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
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Pragati tole kha (Quarter front) ko road to sakela road

Date	Consultation type	Composition of participants	Issues raised	Response from project
2080/05/23	FGD	Gita Rai, Chairperson of Sakela tole bikas Sastha and sakela tole members. Ward-11 (Participants: 0M/11F)	<ul style="list-style-type: none"> • Quite positive and enthusiastic to support the project to construct the road. • Road must be completed on time with quality road structures. • Women should encourage to work and must provide training for the women groups for their empowerment • Road construction should begin soon 	The project will carefully design the road. Women group training and empowerment will be seriously taken.
2080/05/25	FGD	Aasha Rai and members of Sakela Women Group, Ward-11 (Participants: 12 female)	<ul style="list-style-type: none"> • Difficulty using the road due to poor existing condition. • IPs women should be given more priority. • No sexual offense. • Some gender related violence. 	Project made clear that project will be completed on time. Local women will be given priority to work and for training as well. Campaign and awareness programs will be conducted for GBV and SH.
2080/05/25	FDG	Tilak Bahadur Katuwal and members of Janajyoti tole bikas Sastha, Ward-13 (Participants: 6M/4F)	<ul style="list-style-type: none"> • All ready to clear ROW and no trees and houses are within the ROW. • No any conflict issue for the construction of the road. • Must start to construction as soon as possible. • Water must be sprayed during construction phase. • Plantation must be done on both side by the project 	There will be no impact on structures except for some trees sapling. Proper ESMP will be followed. Also Project assured that plantation will be done and the cost will be incorporated.

Date	Consultation type	Composition of participants	Issues raised	Response from project
2080/05/23	Meeting	Gita Rai and locals of Sakela tole bikas Sastha, Ward-11 (Participants: 6M/24F)	<ul style="list-style-type: none"> Public are positive for construction. Construction of road needs to tender fast. Women empowerment should be focused Public are okay and will help for the project to complete smoothly. Environmental issues should be addressed on timely and properly 	Make clear about the completion date of the project and made sure that all other issues will be address accordingly.
2080/06/12	Meeting	Kala Rai and members of Sakela tole, Ward-11 (Participants 17M/22F)	<ul style="list-style-type: none"> Quit concern about labors that are needed during construction phase. Training for the local people should be given. Quality of road should not be compromised. Willing to help for the project. 	Project made them sure that the labors will be taken from the local level as far as possible. The training will be given for the workers prior to the start of the project. Quality of the road will not be compromised

Annex IX: Existing electric pole details

Table 7-15: Existing electric pole details

SN	Chainage	Direction	Name of the Road	SN	Chainage	Direction	Name of the Road
1	0+330	Left	Babarani to DM gate	83	1+310	Left	City Hall to Simalga
2	0+380	Left	Babarani to DM gate	84	1+375	Left	City Hall to Simalga
3	0+410	Left	Babarani to DM gate	85	1+430	Left	City Hall to Simalga
4	0+445	Left	Babarani to DM gate	86	1+690	Right	City Hall to Simalga
5	0+005	Left	Town Planning 1	87	1+870	Left	City Hall to Simalga
6	0+030	Right	Town Planning 1	88	1+920	Left	City Hall to Simalga
7	1+125	Left	Town Planning 1	89	1+935	Left	City Hall to Simalga
8	1+135	Left	Town Planning 1	90	1+985	Left	City Hall to Simalga
9	1+150	Left	Town Planning 1	91	2+120	Left	City Hall to Simalga
10	1+170	Left	Town Planning 1	92	2+225	Right	City Hall to Simalga
11	1+195	Right	Town Planning 1	93	2+275	Right	City Hall to Simalga
12	0+210	Right	Town Planning 1	94	2+330	Right	City Hall to Simalga
13	0+225	Right	Town Planning 1	95	2+375	Right	City Hall to Simalga
14	0+250	Right	Town Planning 1	96	2+510	Right	City Hall to Simalga
15	0+310	Left	Town Planning 1	97	0+020	Left	Ramchandra Basnet
16	0+330	Right	Town Planning 1	98	0+065	Left	Ramchandra Basnet
17	0+380	Right	Town Planning 1	99	0+145	Left	Ramchandra Basnet
18	0+435	Right	Town Planning 1	100	0+170	Left	Ramchandra Basnet
19	0+470	Right	Town Planning 1	101	0+225	Right	Ramchandra Basnet
20	0+510	Left	Town Planning 1	102	0+005	Left	Shivalaya Tole Ramailo Dada
21	0+580	Left	Town Planning 1	103	0+040	Right	Shivalaya Tole Ramailo Dada
22	0+650	Left	Town Planning 1	104	0+085	Left	Shivalaya Tole Ramailo Dada
23	0+675	Left	Town Planning 1	105	0+150	Left	Shivalaya Tole Ramailo Dada
24	0+725	Left	Town Planning 1	106	0+200	Left	Shivalaya Tole Ramailo Dada
25	0+740	Left & Right	Town Planning 1	107	0+245	Left	Shivalaya Tole Ramailo Dada
26	0+755	Left	Town Planning 1	108	0+290	Right	Shivalaya Tole Ramailo Dada
27	0+775	Right	Town Planning 1	109	0+310	Left	Shivalaya Tole Ramailo Dada

SN	Chainage	Direction	Name of the Road	SN	Chainage	Direction	Name of the Road
28	0+790	Left	Town Planning 1	110	0+330	Left	Shivalaya Tole Ramailo Dada
29	0+815	Right	Town Planning 1	111	0+355	Left	Shivalaya Tole Ramailo Dada
30	0+840	Right	Town Planning 1	112	0+405	Left	Shivalaya Tole Ramailo Dada
31	0+865	Right	Town Planning 1	113	0+465	Left	Shivalaya Tole Ramailo Dada
32	0+915	Right	Town Planning 1	114	0+485	Left	Shivalaya Tole Ramailo Dada
33	0+925	Left	Town Planning 1	115	0+510	Left	Shivalaya Tole Ramailo Dada
34	0+935	Right	Town Planning 1	116	0+630	Left	Shivalaya Tole Ramailo Dada
35	0+945	Right	Town Planning 1	117	0+685	Left	Shivalaya Tole Ramailo Dada
36	0+955	Left	Town Planning 1	118	0+720	Left	Shivalaya Tole Ramailo Dada
37	0+975	Right	Town Planning 1	119	0+925	Left	Shivalaya Tole Ramailo Dada
38	0+985	Left	Town Planning 1	120	0+975	Right	Shivalaya Tole Ramailo Dada
39	1+010	Left	Town Planning 1	121	1+030	Right	Shivalaya Tole Ramailo Dada
40	0+030	Left	Town Planning 2	122	1+070	Left	Shivalaya Tole Ramailo Dada
41	0+055	Left	Town Planning 2	123	1+130	Left	Shivalaya Tole Ramailo Dada
42	0+075	Left	Town Planning 2	124	1+185	Left	Shivalaya Tole Ramailo Dada
43	0+095	Right	Town Planning 2	125	1+235	Left	Shivalaya Tole Ramailo Dada
44	0+125	Right	Town Planning 2	126	1+365	Right	Shivalaya Tole Ramailo Dada
45	0+185	Right	Town Planning 2	127	1+495	Right	Shivalaya Tole Ramailo Dada
46	0+230	Right	Town Planning 2	128	1+550	Left	Shivalaya Tole Ramailo Dada
47	0+365	Right	Town Planning 2	129	1+570	Left	Shivalaya Tole Ramailo Dada
48	0+400	Right	Town Planning 2	130	1+595	Left	Shivalaya Tole Ramailo Dada
49	0+430	Left	Town Planning 2	131	0+075	Right	Pragati Tole, Section 1
50	0+489	Left	Town Planning 2	132	0+0110	Left	Pragati Tole, Section 1

SN	Chainage	Direction	Name of the Road	SN	Chainage	Direction	Name of the Road
51	0+005	Left	City Hall to Simaltar	133	0+160	Left	Pragati Tole, Sect...
52	0+045	Right	City Hall to Simaltar	134	0+230	Left	Pragati Tole, Sect...
53	0+050	Right	City Hall to Simaltar	135	0+265	Left	Pragati Tole, Sect...
54	0+110	Right	City Hall to Simaltar	136	0+295	Left	Pragati Tole, Sect...
55	0+130	Right	City Hall to Simaltar	137	0+325	Left	Pragati Tole, Sect...
56	0+155	Right	City Hall to Simaltar	138	0+360	Left	Pragati Tole, Sect...
57	0+180	Left	City Hall to Simaltar	139	0+440	Left	Pragati Tole, Sect...
58	0+210	Right	City Hall to Simaltar	140	0+465	Left	Pragati Tole, Sect...
59	0+255	Right	City Hall to Simaltar	141	0+495	Left	Pragati Tole, Sect...
60	0+290	Right	City Hall to Simaltar	142	0+530	Left	Pragati Tole, Sect...
61	0+345	Left	City Hall to Simaltar	143	0+880	Right	Pragati Tole, Sect...
62	0+355	Right	City Hall to Simaltar	144	0+925	Left	Pragati Tole, Sect...
63	0+375	Right	City Hall to Simaltar	145	0+975	Left	Pragati Tole, Sect...
64	0+395	Left	City Hall to Simaltar	146	1+130	Right	Pragati Tole, Sect...
65	0+435	Left	City Hall to Simaltar	147	1+250	Right	Pragati Tole, Sect...
66	0+470	Left	City Hall to Simaltar	148	0+020	Left	Pragati Tole, Sect...
67	0+505	Right	City Hall to Simaltar	149	0+120	Left	Pragati Tole, Sect...
68	0+525	Left	City Hall to Simaltar	150	0+155	Left	Pragati Tole, Sect...
69	0+570	Left	City Hall to Simaltar	151	0+180	Left	Pragati Tole, Sect...
70	0+610	Left	City Hall to Simaltar	152	0+335	Left	Pragati Tole, Sect...
71	0+655	Left	City Hall to Simaltar	153	0+400	Right	Pragati Tole, Sect...
72	0+710	Left	City Hall to Simaltar	154	0+530	Left	Pragati Tole, Sect...
73	0+740	Left	City Hall to Simaltar	155	0+550	Right	Pragati Tole, Sect...
74	0+765	Left,Right	City Hall to Simaltar	156	0+570	Left	Pragati Tole, Sect...
75	0+780	Right	City Hall to Simaltar	157	0+605	Left	Pragati Tole, Sect...
76	0+835	Left	City Hall to Simaltar	158	0+035	Left	Fulchowk Road
77	0+910	Left	City Hall to Simaltar	159	0+075	Left	Fulchowk Road
78	0+960	Right	City Hall to Simaltar	160	0+125	Left	Fulchowk Road
79	1+010	Right	City Hall to Simaltar	161	0+165	Left	Fulchowk Road
80	1+065	Right	City Hall to Simaltar	162	0+685	Left,Right	Fulchowk Road
81	1+085	Right	City Hall to Simaltar	163	0+710	Left	Fulchowk Road
82	1+235	Left	City Hall to Simaltar	164	0+850	Left	Fulchowk Road
Total						167	Nos.

Annex X: Photographs

Pictorial highlights of the field work



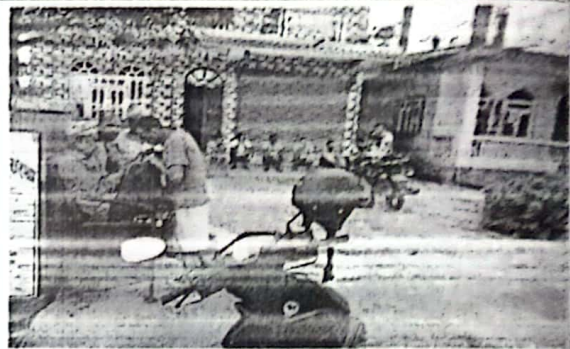
Consultation meeting with community people of Jyoti nagar tole , Town planning Road



Consultation meeting with community people of Himali tole. Town planning Road



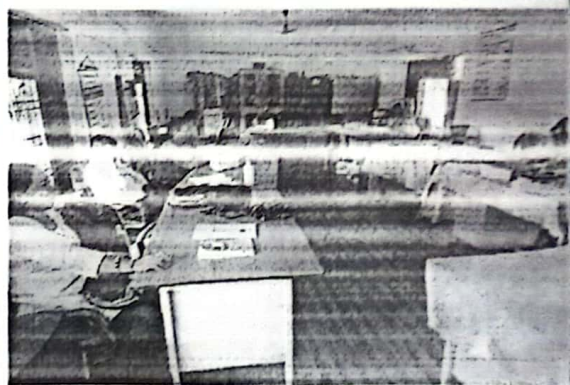
Community consultation at Indreshworr tole of at City Hall Simaltar Road section



Community consultation with Indreshworr tole at City Hall Simaltar Road section



Consultation meeting with community people of Shivalayai tole, City Hall Simaltar Road section



Consultation meeting with Teacher of Jana Premi Basic School



Community consultation meeting at Babarani tole



Community consultation meeting at Babarani tole



Community consultation with Locals at Fulchowk



Community consultation with Locals at Amarnagr tole



Consultation with Bote community at Bote tole



Community consultations meeting at Namuna Marga of Cityhall Ramchandra Road section



Community consultation meeting at Ramailodanda tole, Gaighat Shivalaya Road

Community consultation meetings at Ramailodanda tole, Gaighat Shivalaya Road



Consultation meetings at Janjyoti tole, Pragati tole road section



Consultation meeting at Sakela tole, Pragati tole road section

Annex XI: Cadastral Maps of Alignment

i) Town Planning Road



नेपाल सरकार

भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय

नापी विभाग

नापी कार्यालय, उदयपुर, पाईघाट

गा वि न. पाईघाट

२ न००६७



कु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको गेज १:१२५०



वृत्तिमान

प्रिन्ट गर्ने

प्रमाणित गर्ने

सर्वेक्षणको लागि प्रयोग गरिएको मापन यन्त्रको त्रुटि १:१२५० को अनुपातमा हुनेछ।

Handwritten signature and date

Cityhall Simaltar Road



भूमि व्यवस्था, पाटनकारी तथा नगरवी नियन्त्रण विभाग

नापी विभाग

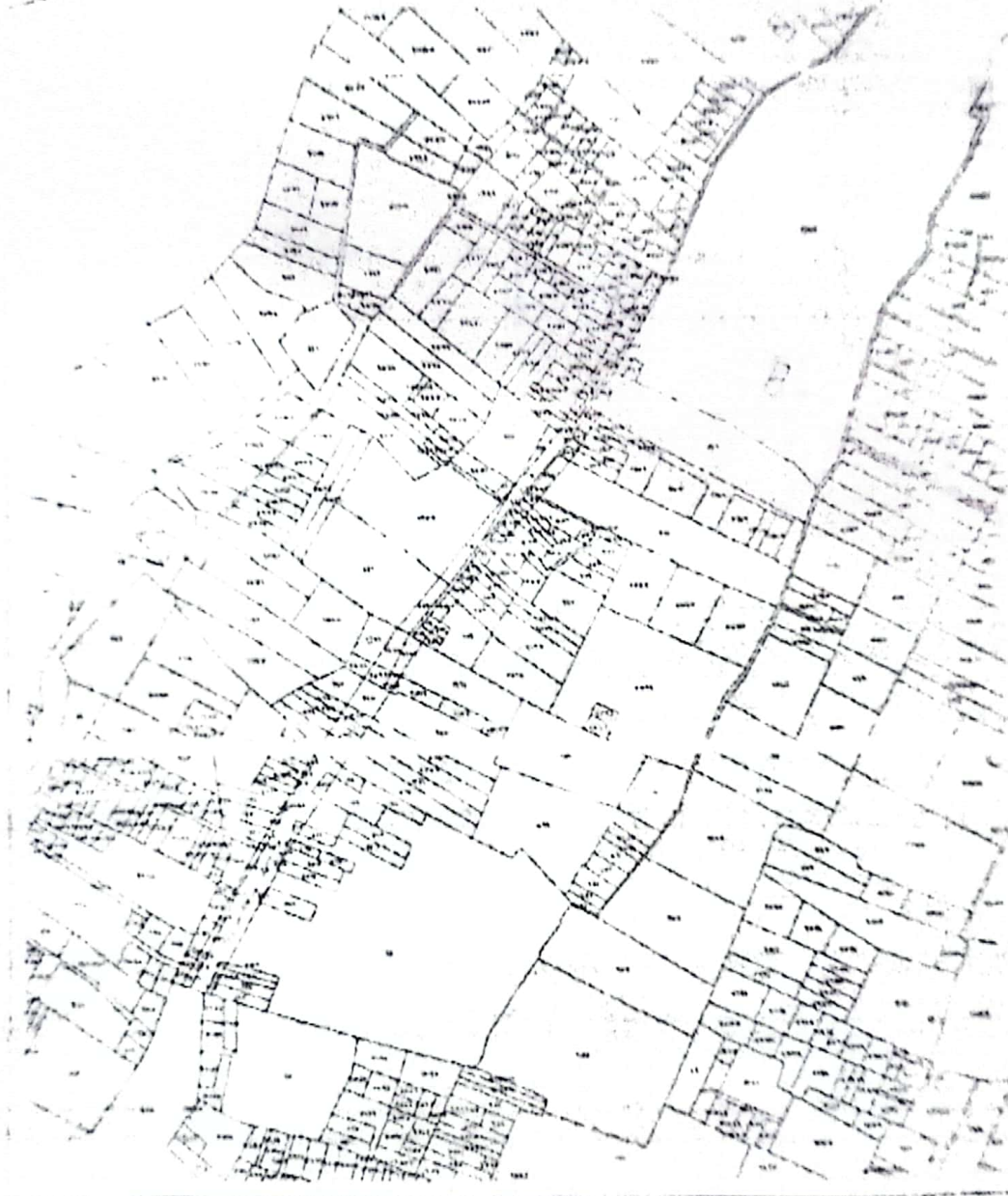
नापी विभाग, त्रिवेणी नगरपालिका

सं. १५५५७७७

मिति: २०७३/०५/२२

ब्लु प्रिन्ट र देसको सटामा उपलब्ध गराइएको

संख्या: १५५५७७७



सुमितिने

पिन्ट गर्ने

समाप्त गर्ने

सर्वेक्षणको लागि नयाँ नक्सा तयार पार्नु पर्ने बाटोहरूमा नयाँ नक्सा तयार पार्नु पर्ने



शुभि व्यवस्था, सहाकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

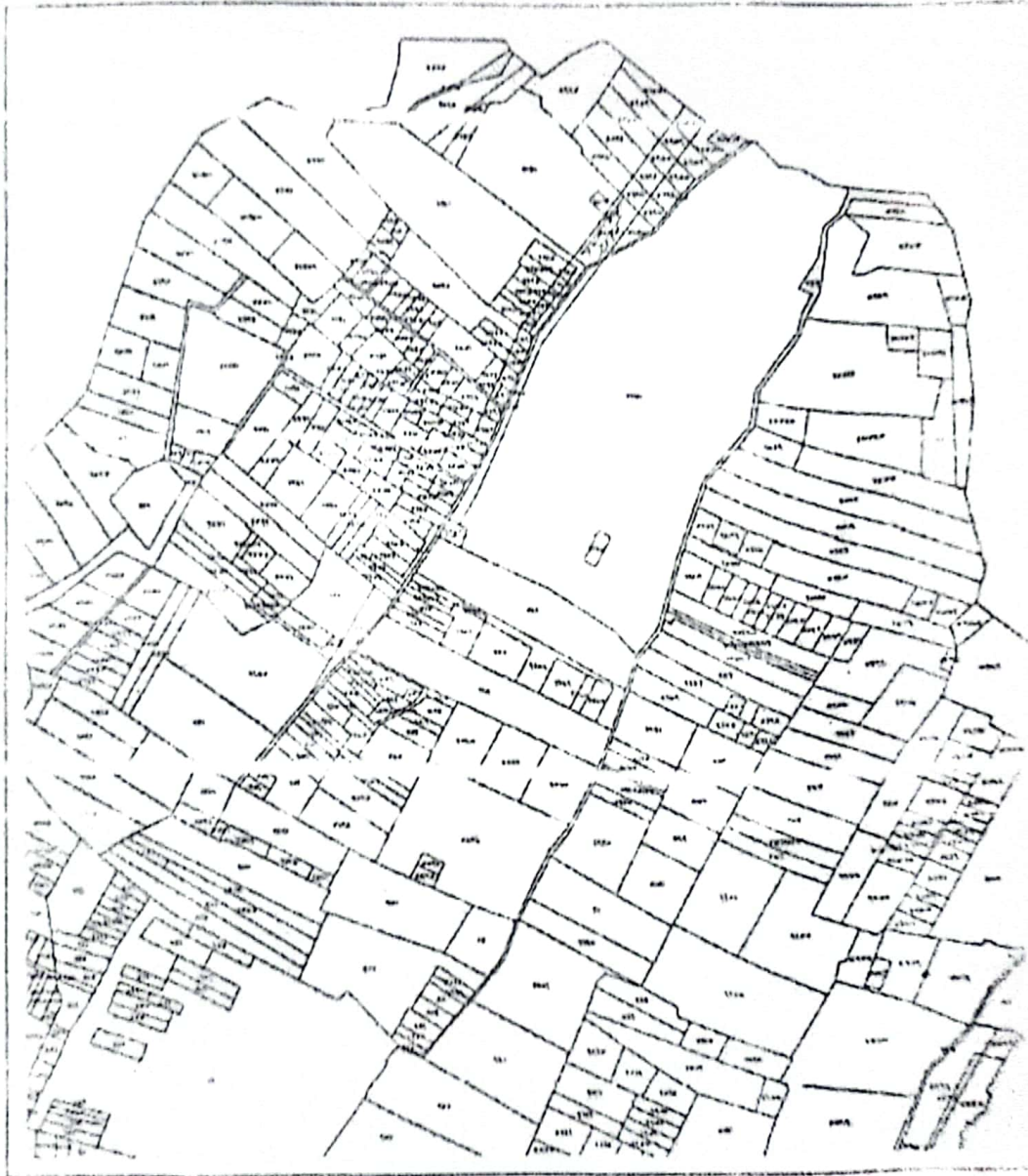
नापी बजारस्थ, बुद्धपुर, गार्डभट
गा बि ग गार्डभट

र १०००००

मिति २०७३/०६/१२ बाई न. २२

ब्लु प्रिन्ट र ट्रेसको सटामा उपलब्ध गराइएको

संख्या : २,५०१



सफाईकर्ता

प्रिन्ट गर्ने

परामर्श गर्ने

२०७३/०६/१२



भूमि व्यवस्था, सहाकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

र. नं ००००

मिति २०८०/०८/०८ बाई नं ४८

ब्लु प्रिन्ट र देसको सटामा उपलब्ध गराइएको

स्कैल : २,५,०८



भूमिदलन

प्रिन्ट गर्ने

प्रमाणित गर्ने



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

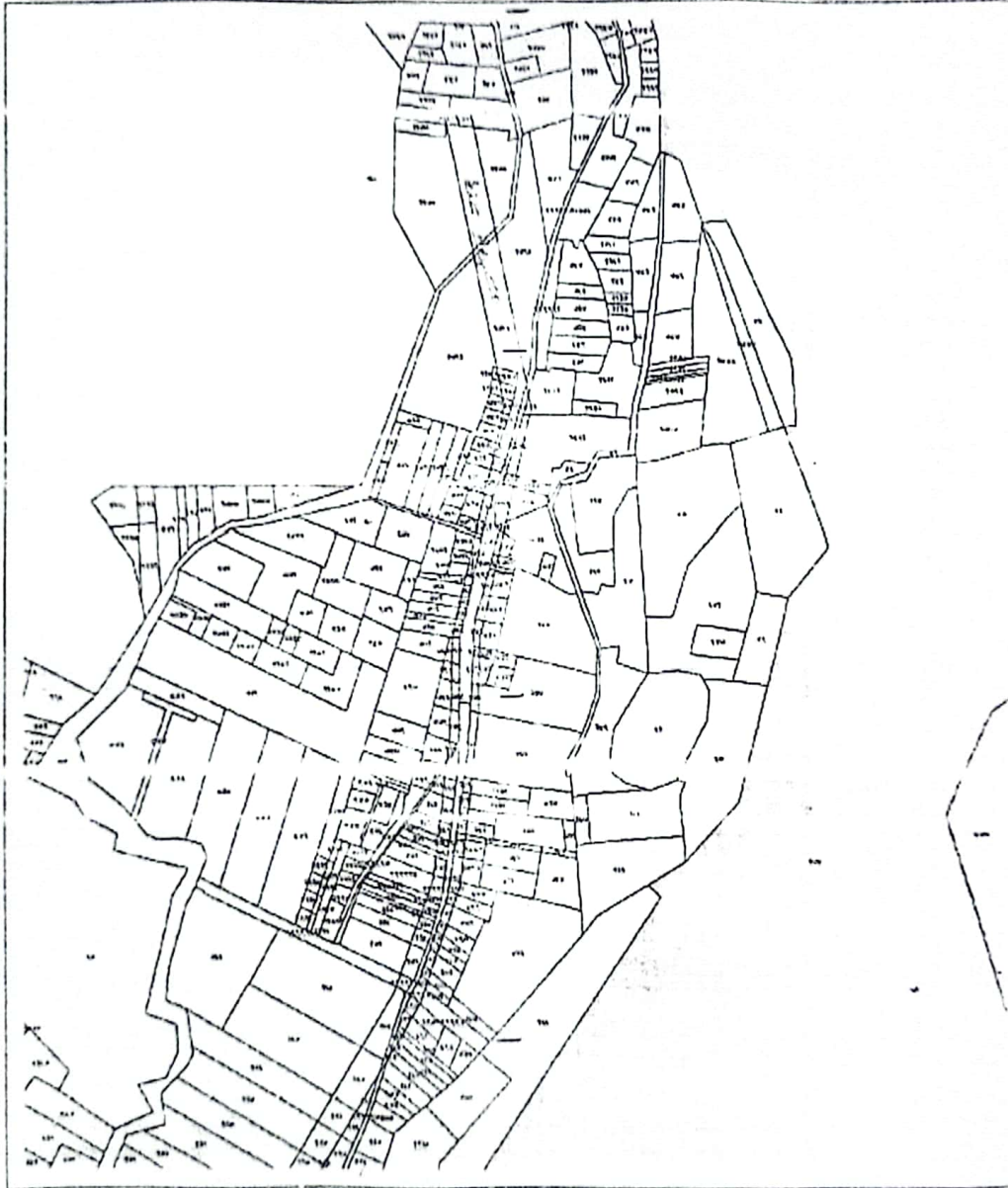
नापी कार्यालय, उदयपुर, गाईघाट
गा.वि.स.गाईघाट

र. नं ००००

मिति २०६०।०६।०८ भाद्र नं ४क

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

स्कैल १ : २,५००



भूमिसिमे

प्रिन्ट गर्ने

प्रमाणित गर्ने

Left side of the road is reserved for the road and the right side is reserved for the road.



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

र न००००

मिति २०८०/०५/२४ नाई न ४४

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

स्केल : २,५००



वर्गिभन्ने

प्रिन्ट गर्ने

प्रमाणित गर्ने

यो ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको छ । यो ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको छ ।



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

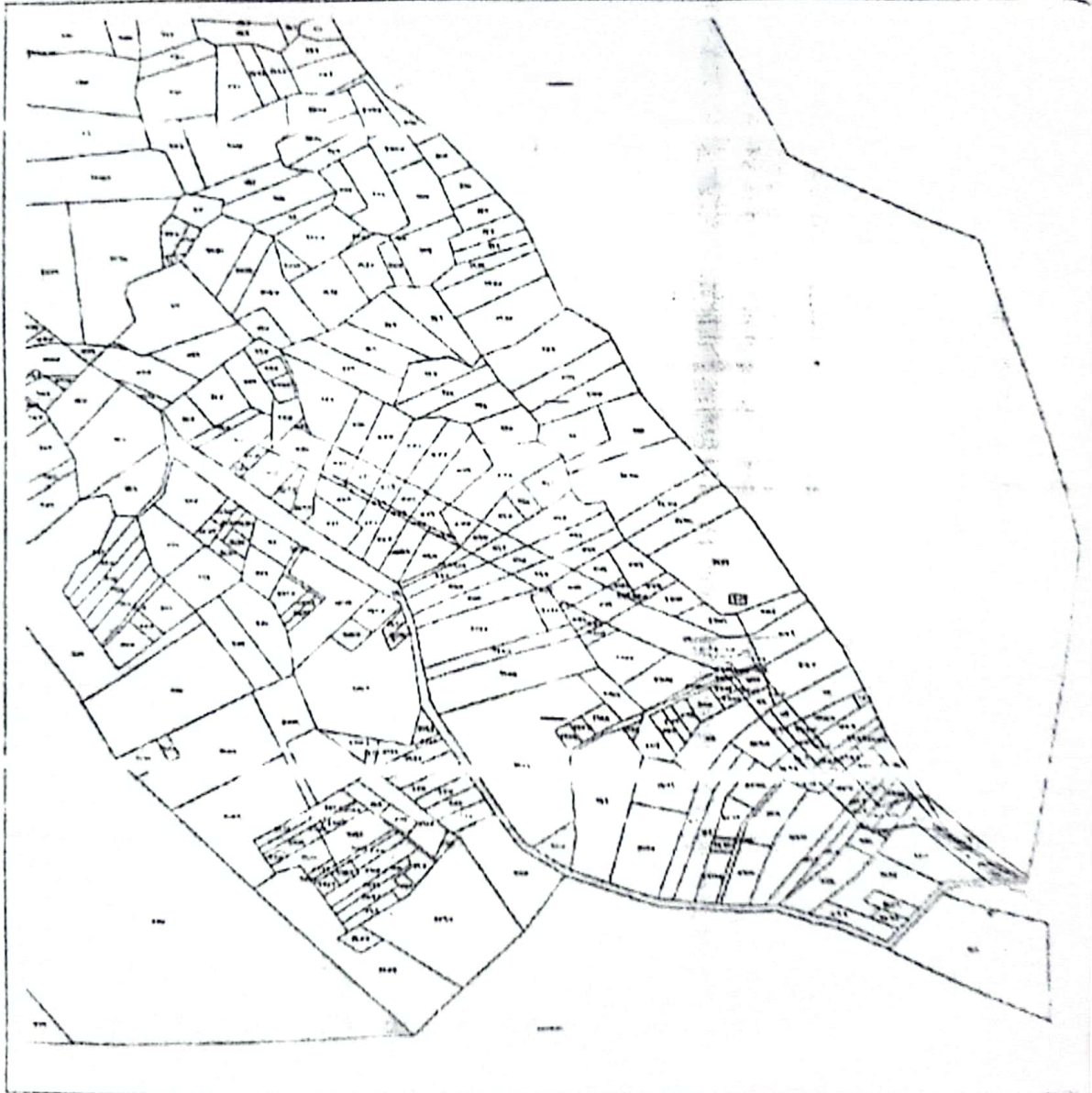
र.सं००००
मिति २०८०/०८/१०

नापी नगरपालिका, उदयपुर, गाईघाट
गा.वि.सं.भूमिखुला
वार्ड नं. ६ख



ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

स्कूल १ : २,५०



सुभिक्षिते

प्रिन्ट गर्ने

पुनःप्रिन्ट गर्ने

यो नक्सा कानैको सम्पत्ति होइन । यो नक्सा कानैको सम्पत्ति होइन । यो नक्सा कानैको सम्पत्ति होइन ।

iii) Babarani DM gate Road



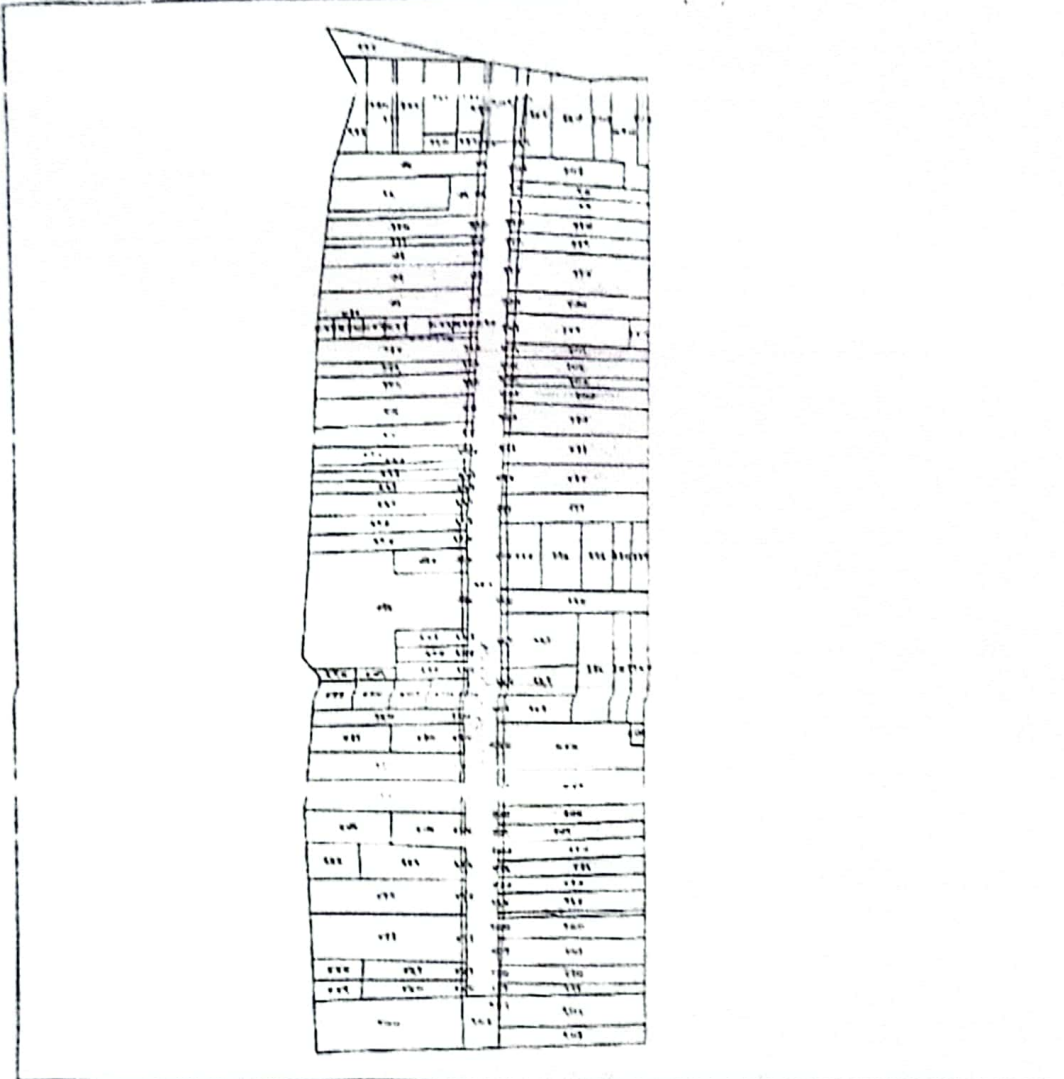
र. १०००००
मिति २०७०/०५/१४

भूमि व्यवस्था, सांख्यिकी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

नापी नगरपालिका उपमहानगर पालिका
ना. वि. म. भूमि विभाग

ब्लु प्रिन्ट र ट्रेसको सटामा उपलब्ध गराइएको

१४/०५/२०७०



सुभिक्षिने

प्रिन्ट गर्ने

पुस्तकालय



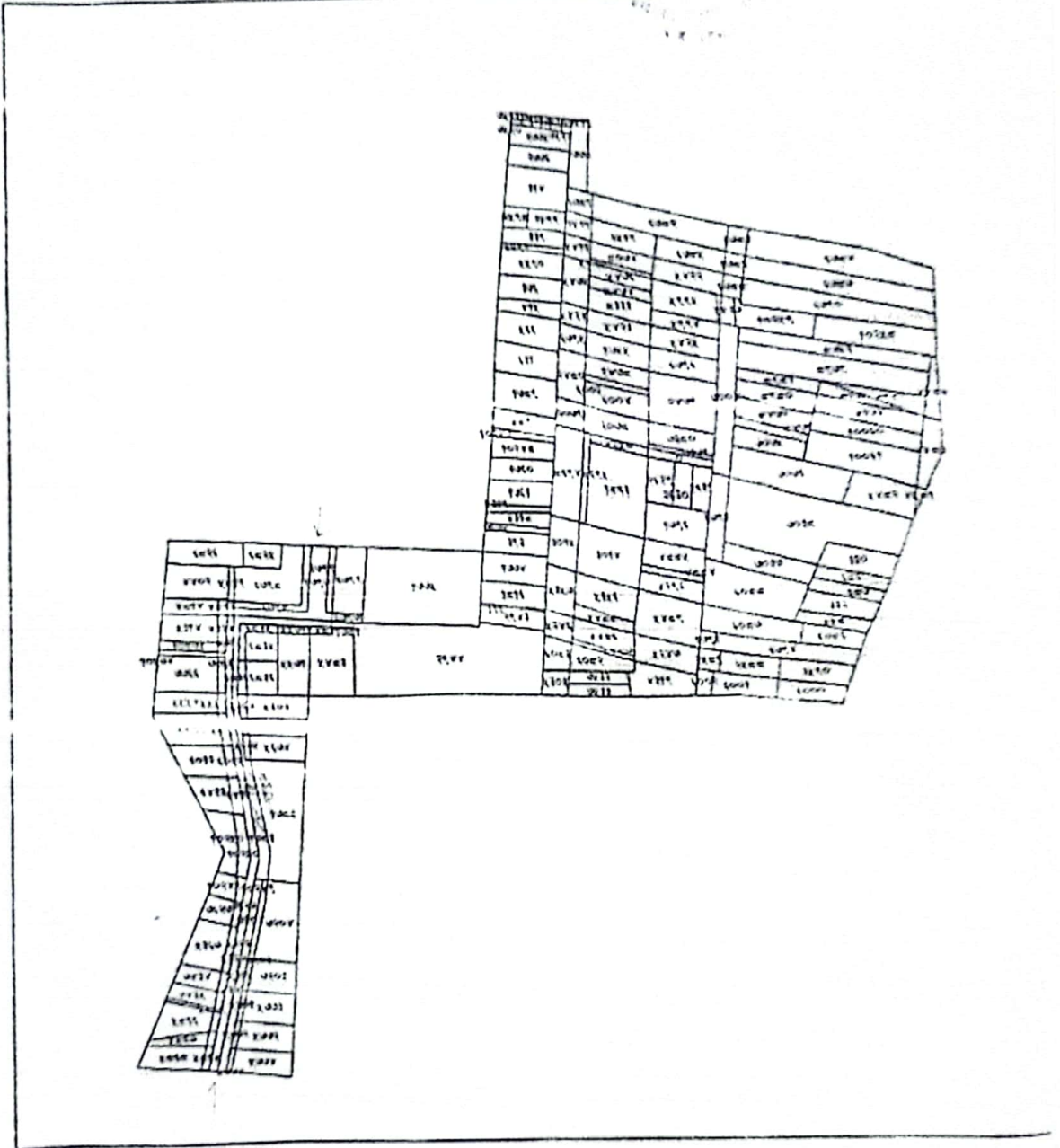
भूमि व्यवस्था, महकवरी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

र. नं ००००
मिति

नापी बसपार्क, उदयपुर, गाईघाट
गा वि सं गाईघाट
बाई न व व

न्यु प्रिन्ट र ट्रेसको सटामा उपलब्ध गराइएको

नं १ : १, २३८



समिति

प्रिन्ट गर्ने
पुर्माण गर्ने



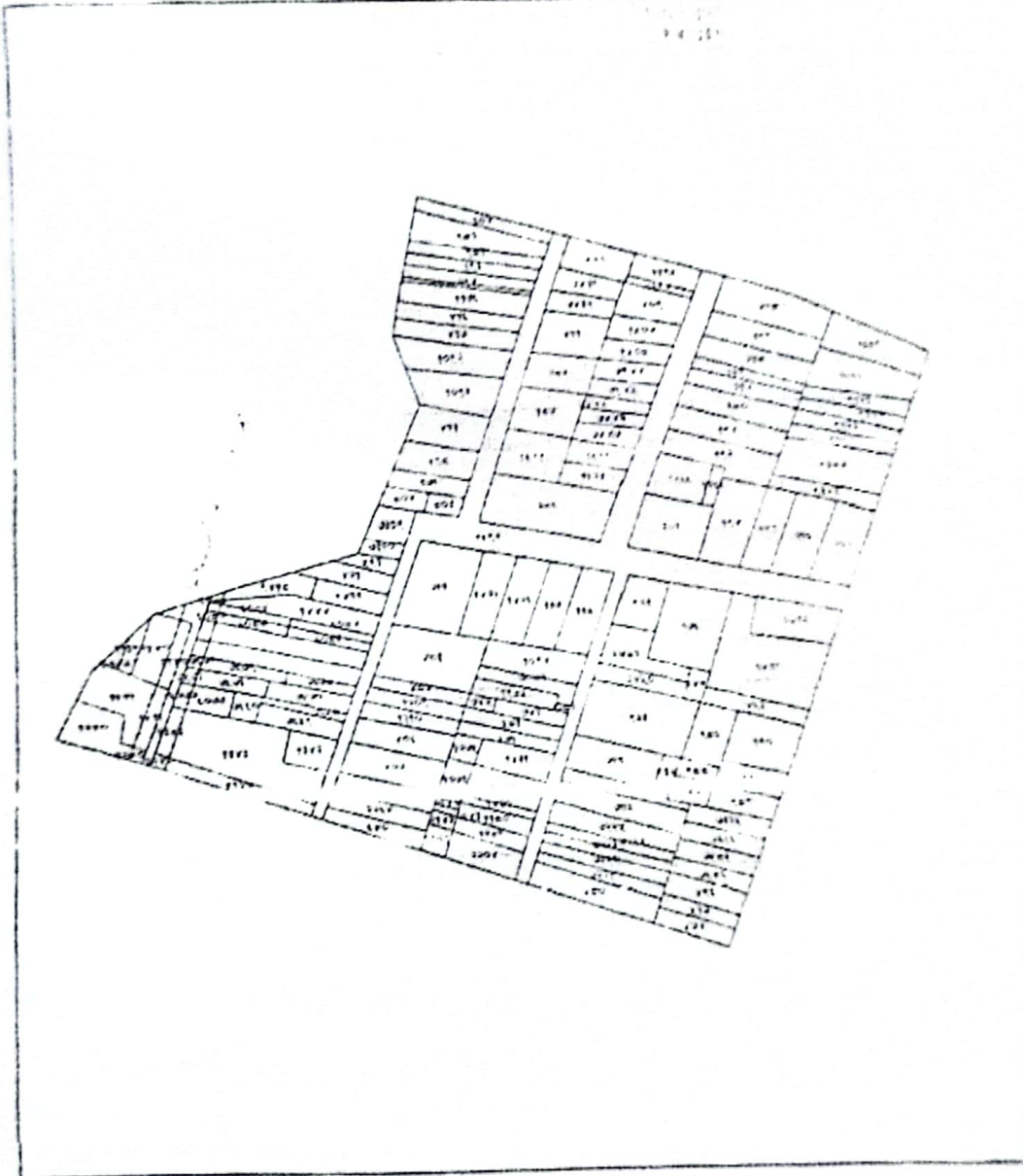
भूमि व्यवस्था, साहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

२ न००००
मिति

पानी बजारको उपकरण विभाजन
माथि न गराइएको
बाहे न डक

ब्लु प्रिन्ट र टेसको सटामी उपलब्ध गराइएको

१९९९



सुभाषिने

प्रिन्ट गर्ने

प्रमाणित गर्ने

iv) Fulchowk Road



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

नापी बजार, उदयपुर, गार्डभार
पो.वि.स. गाईघाट

र १०००००

मिति २०७०/०८/१२ बाट न.सं.

ब्लु प्रिन्ट र ट्रेसका सटामा उपलब्ध गराइएको

स्कैन १ : २,५०



भूमिस्थिति

प्रिन्ट गर्ने

प्रमाणित गर्ने

संकेत रङ्ग अनुसार भूखण्डको रूपमा चिनिने गर्दछ । रङ्ग अनुसार भूखण्डको रूपमा चिनिने गर्दछ ।

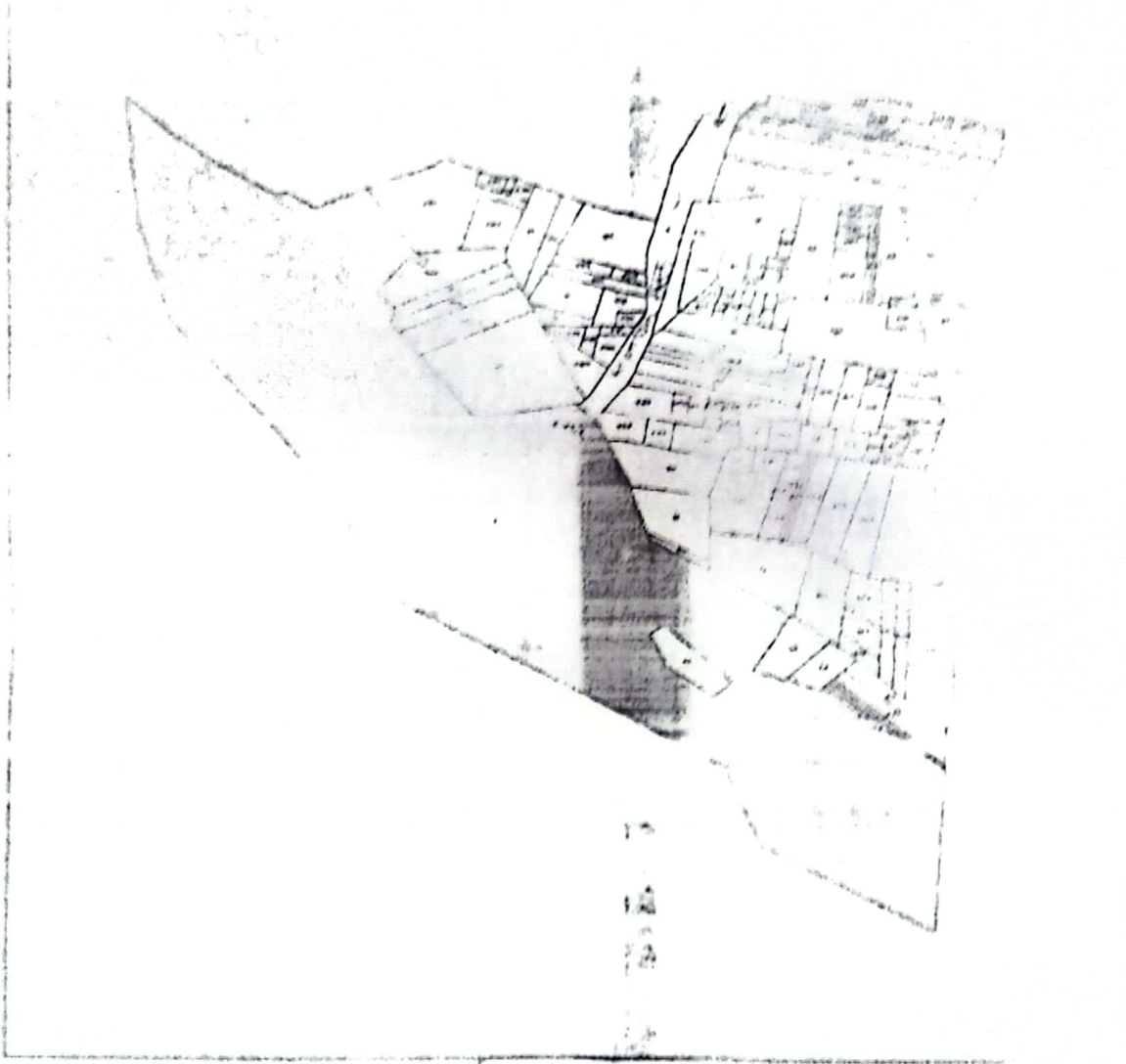


संघीय लोकतान्त्रिक गणतन्त्र नेपाल
सुदूर पश्चिमाञ्चल विकास समिति
नापी विभाग

सुदूर पश्चिमाञ्चल विकास समिति
नापी विभाग
सुदूर पश्चिमाञ्चल विकास समिति

सुदूर पश्चिमाञ्चल विकास समिति

सुदूर पश्चिमाञ्चल विकास समिति



सुदूर पश्चिमाञ्चल विकास समिति

सुदूर पश्चिमाञ्चल विकास समिति

सुदूर पश्चिमाञ्चल विकास समिति

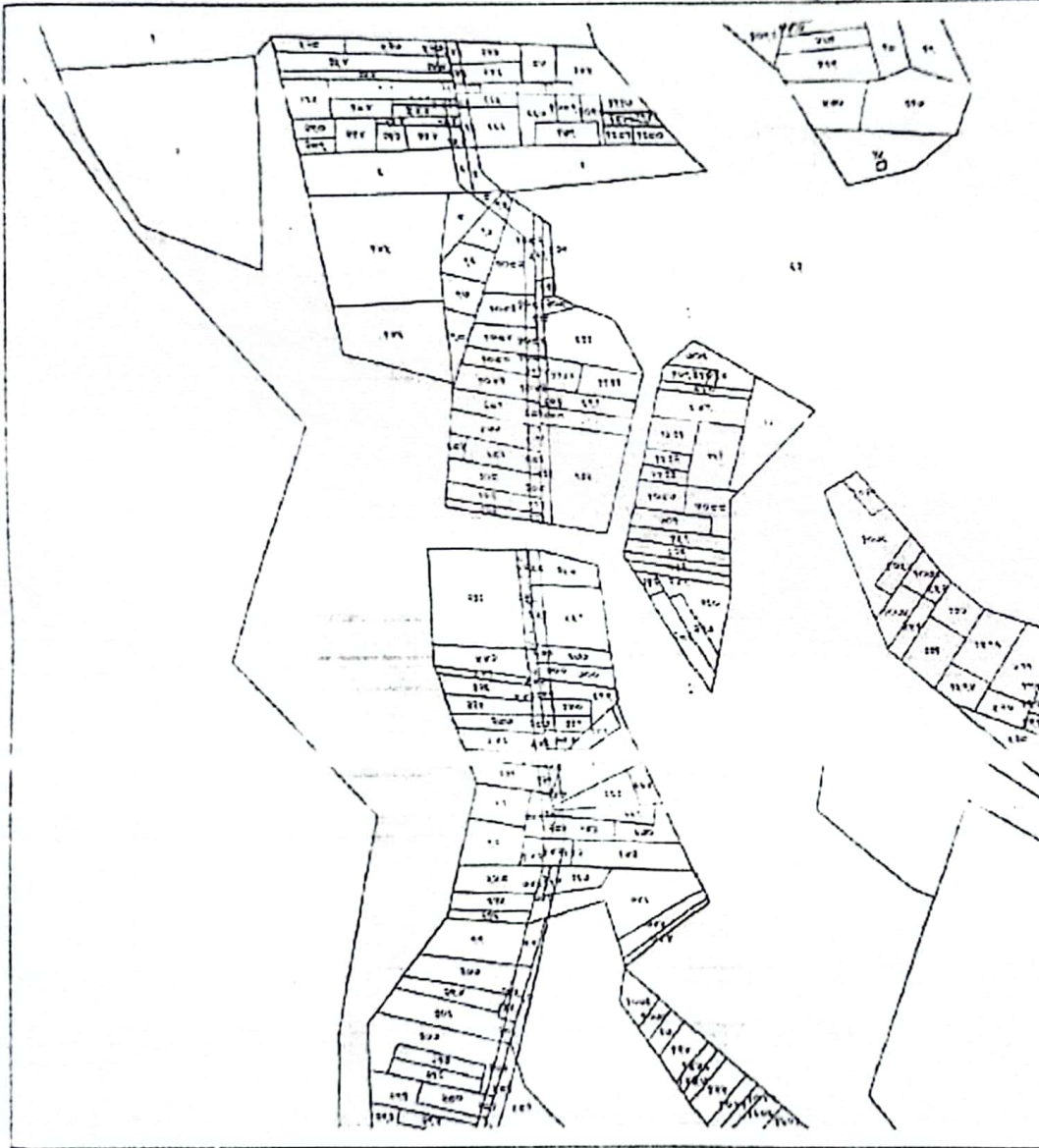


भूमि व्यवस्था, सहाकारी तथा गरिवी निवारण मन्त्रालय
नापी विभाग

र न ००००
मिति २०८०।०६।०९

नापी काठोन्धे, जटवपुर, गाढघाट
गा वि म भुमरमुवा
वाडें न ४७

व्यु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको मूल्य : २,५००



सुशिक्षित

प्रिन्ट गर्ने

प्रमाणित गर्ने

सर्वेक्षण र नक्शा तयार पार्ने व्यक्तिको नाम : श्री. राम. श्री. राम. श्री. राम. श्री. राम. श्री. राम.

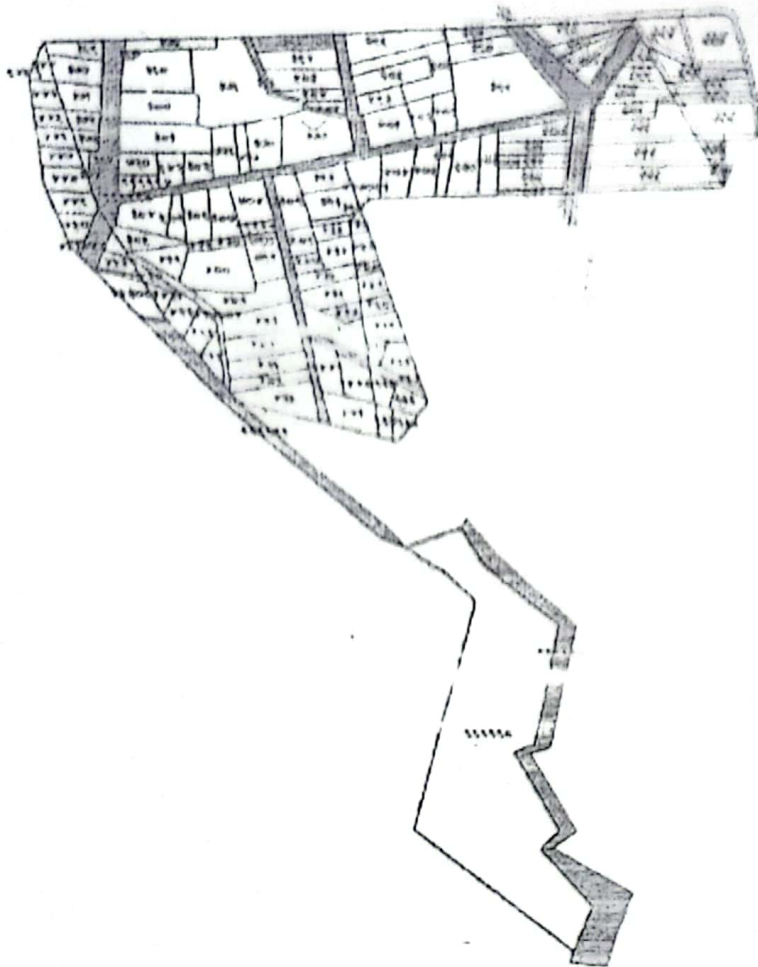


श्रीमि व्यवस्था, महत्वाची तथा शहरी विकसन संस्था
नापी विभाग
मादी वरदानियत दुवण्यार, महत्वाची
मा. वि. म. 3 म. मा. कुमरमुक्क

मि. वि. म. 3 म. मा. कुमरमुक्क

माहि २०१८/१९/१२ वाढ व. ६३

क्यु प्रिन्ट र देसकी सटामा उपसब्ध मीरीडणकी



[Handwritten Signature]
दिग्दर्शक

प्रमाणित गर्ने

दिग्दर्शक प. न. ००० मिती २०१८/१९/१२ र. १ के पञ्चमुक्क

[Handwritten Signature]
०२/०८/१९



संस्था संकेत

भूमि व्यवस्था, सार्वजनिक तथा नदीको विकासका सम्बन्धमा

भाषी विभाग

भाषी कार्यालय इलाम, माईगाँव

ता. वि. सं. नं. १३३

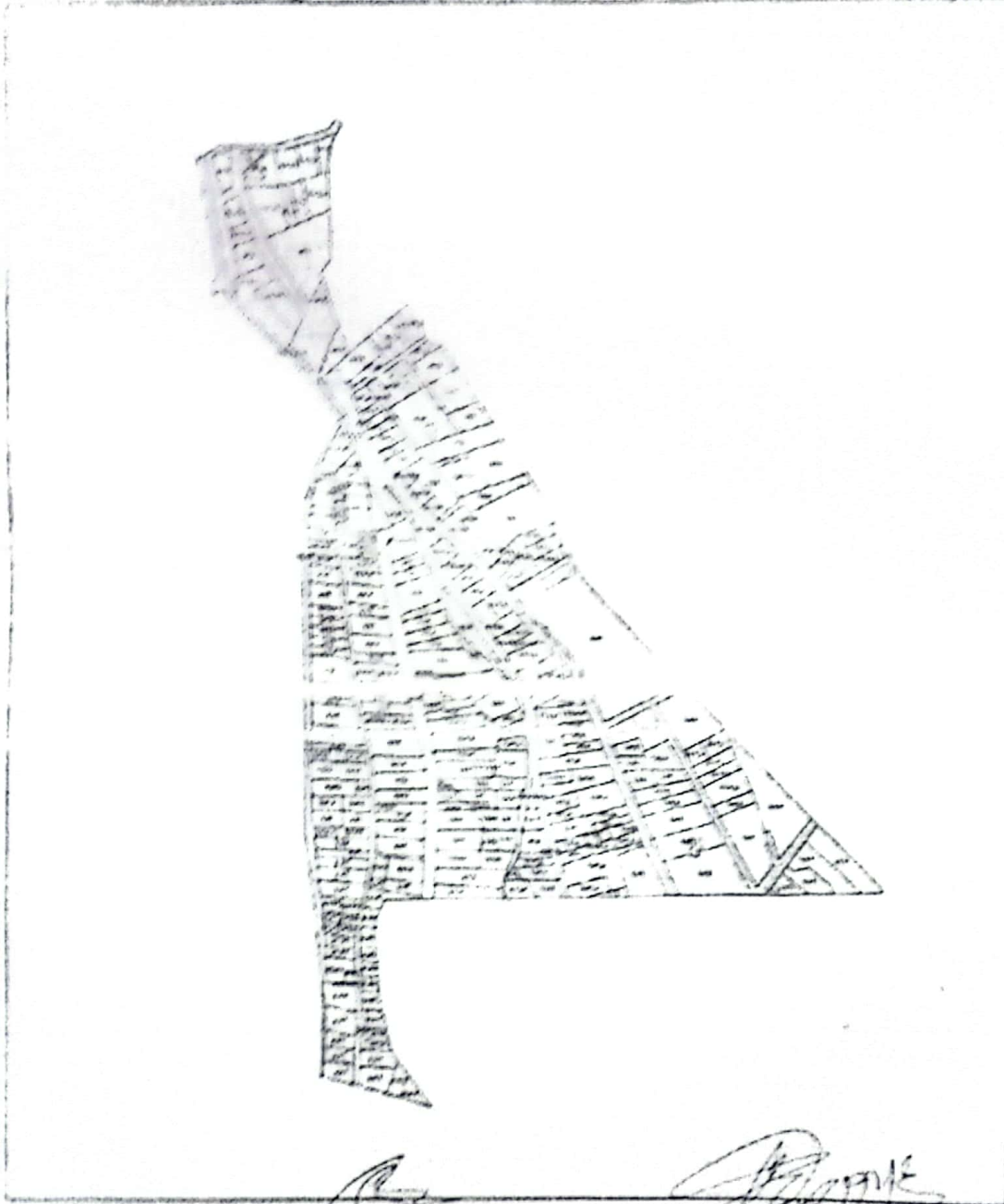
२०७३

१३/०३/७३

१३/०३/७३

अनु रिपट र ट्रेसको खटामा उपलब्ध सराइएको

मूल्य १,२५.००



सुनिश्चित

[Signature]
१३/०३/७३

[Signature]
प्रमाणित गर्ने

सुनिश्चित

vi) Pragati tole Road



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

सं. नं. ०००००

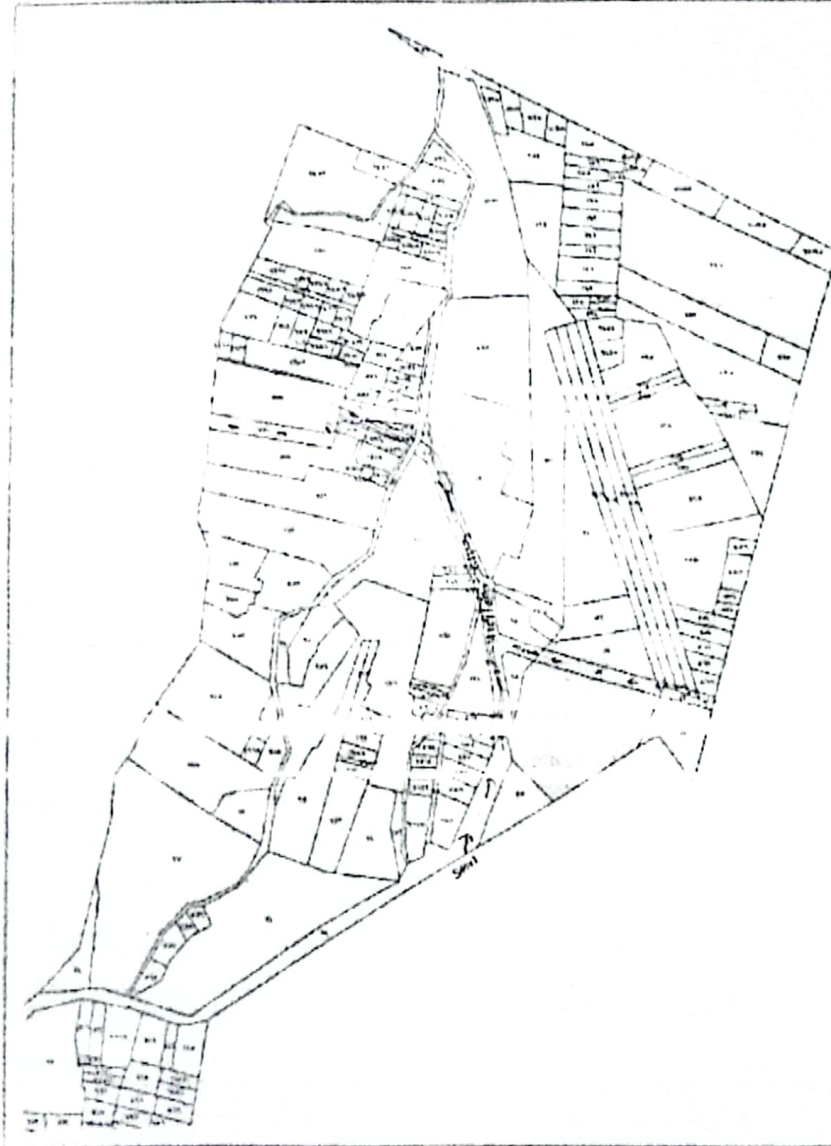
दिनांक

नापी बसपार्क, उपरपर, गाईपाट
गा. वि. नं. गाईपाट

२०७०/०१/२४ बाहेर न. र. म.

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

ढाँचा नं. : २,५००



भूमि विभागे

प्रिन्ट गर्ने

पुस्तकालय गर्ने



भूमि व्यवस्था, सहाकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

1:50000
मिति

सपी कानून उपकरण विभाग
सि.म.माईपोट
काठमाडौं

ब्लु प्रिन्ट र ट्रेसको सटामा उपलब्ध गराइएको

मिति: २०७६



भूमिपति

दिनांक

प्रमाणित

यसको प्रयोग केवल नक्सा तयारीका लागि मात्र हुनेछ। यसको प्रयोग अन्य कुनै उद्देश्यका लागि ग्राहकले स्विकार गर्नुपर्नेछ।



भूमि व्यवस्था, बाजार तथा सिंचनी विभाग, काठमाडौं

नापी विभाग

जमीन मापन, सतह मापन, सिंचना
या वि. म. मापन

1:50000

सिंचनी योजना, काठमाडौं

शु. प्रिन्ट र डेटको सटोका उपलब्ध गराइएको

पृष्ठ : २२०



सुचिकृत सिंचनी क्षेत्र सुचिकृत क्षेत्र



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

नापी कञ्चनपुर जिल्लाको सदरमुकाम
नापी वि.स. गाउँपालिका

स.सं. २०७३/७४

मापन २०७३/०७/०७

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

संख्या : २,५०८



सुभिक्षिने

प्रिन्ट गर्ने

दस्तावेज गर्ने

यो ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको छ। यो ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको छ।

vii) Sagarmatha Road



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय

नापी विभाग

सची कार्यालय, जयपुर, काठमाडौं

सा.वि.सं.गाईपोट

र.सं.०२०००

मिति २०७०/०९/०८ साई नं.२२४

सु प्रिन्ट र ट्रेसको सटामा उपलब्ध. सराइएको

स्काल १ : २,५००



सुभिक्षित

प्रिन्ट गर्नु

इजाजत गर्नु



भूमि व्यवस्था, सातकारी तथा गरिबी निवारण, मन्त्रालय
नापी विभाग

१ न०००००

मिति २०८०/०८/२२ काई न २४

गौरी काशीपुर, उदयपुर गाईपाट
मा वि म गाईपाट

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

मकस्य : २,५,७७



वृत्तिलिने

प्रिन्ट गर्ने

प्रमाणित गर्ने

यो नक्सा नेपाल सरकारको सन् १९७२/०८/२२ काई न २४ अन्तर्गत तयार पारिएको हो।



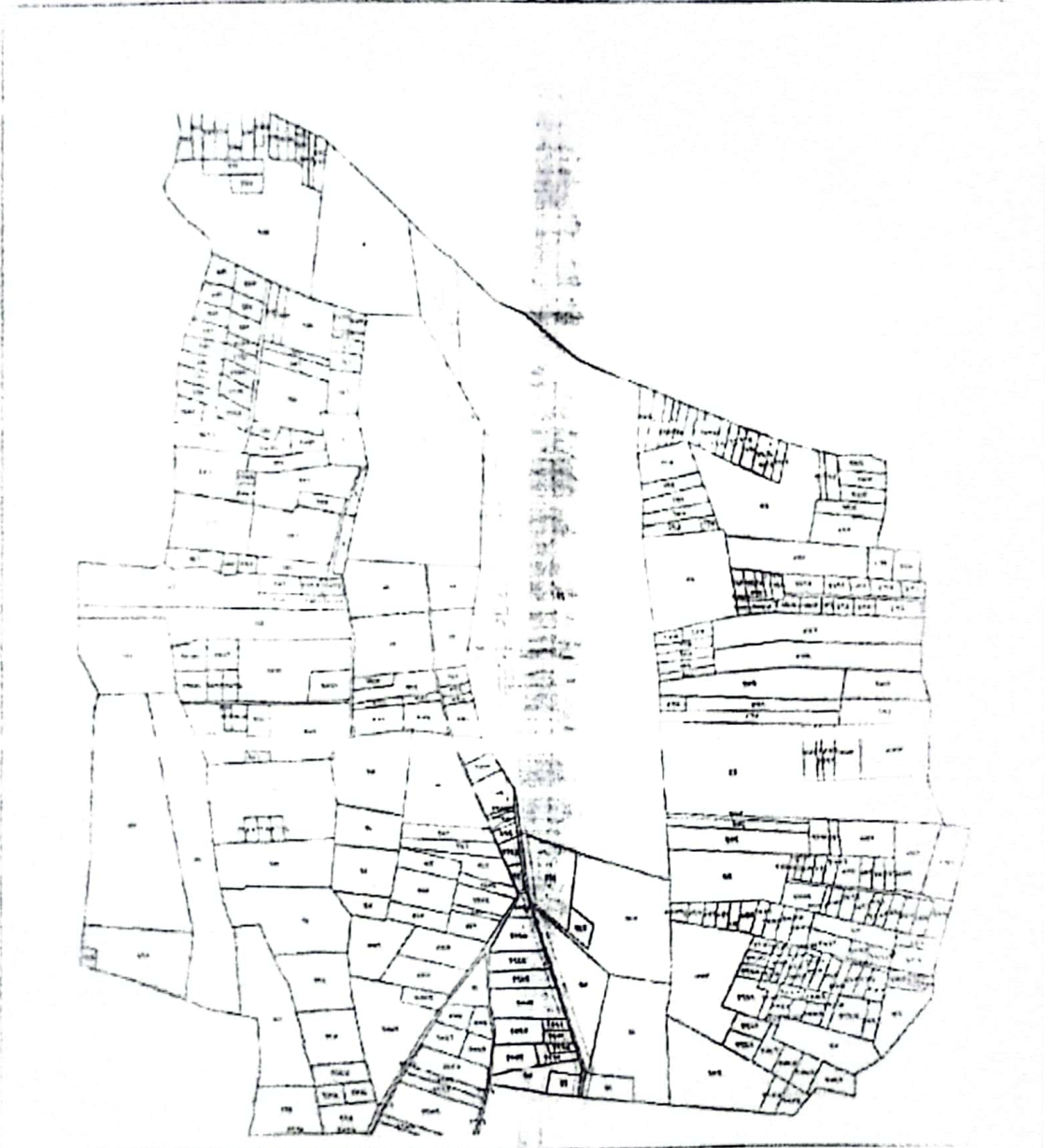
भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

स्केल १:२,५००

मिति २०७०/०५/२५ काठमाडौं

खु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

स्केल १:२,५००



सुनिश्चित

प्रिन्ट गर्ने

प्रमाणित गर्ने

यो नक्सा र तथ्याङ्कहरू नेपाली नक्सा विभागबाट प्राप्त भएका छन्। यो नक्सा र तथ्याङ्कहरूको प्रयोगका लागि कुनै जिम्मेवारी छैन।



जनक नगर
भूमि व्यवस्था, सार्वकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

१:५००००

दिनांक

सप्तमी मंसिर, २०७३
शुक्रबार

सु. प्रिन्ट र ट्रेसको सटामा उपलब्ध गराइएको

पृष्ठ संख्या : २,५०१



सु. प्रिन्ट

ट्रेस

को सटामा

उपलब्ध गराइएको



भूमि व्यवस्था, सर्वकारी तथा शहरी विवरण महासचय
नापी विभाग

१:५००००

दिना २०६०/०८/१०

शही इस्लाम, उदयपुर, गाईघाट

गा.वि.स.गाईघाट

पार्स १९६

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध कराइएको

स्कैल : २,५००



सुभिक्षित

प्रिन्ट गर्ने

पुनःसित गर्ने

आफ्नो कामको लागि यो प्रिन्ट गर्न सकिनु हुनेछैन ।



भूमि व्यवस्था, साहकारी तथा गरिबी निवारण मन्त्रालय
नापी विभाग

नापी कान्तिपुर, उदयपुर, गार्डेघाट
गा वि स. गार्डेघाट

स.सं००००

मिति २०८०/०६/१९ वार्ड नं. १४

ब्यु प्रिन्ट र वेसको सटामा उपलब्ध गराइएको क्षेत्र : २,५०१



भुमिावतन

प्रिन्ट गर्ने

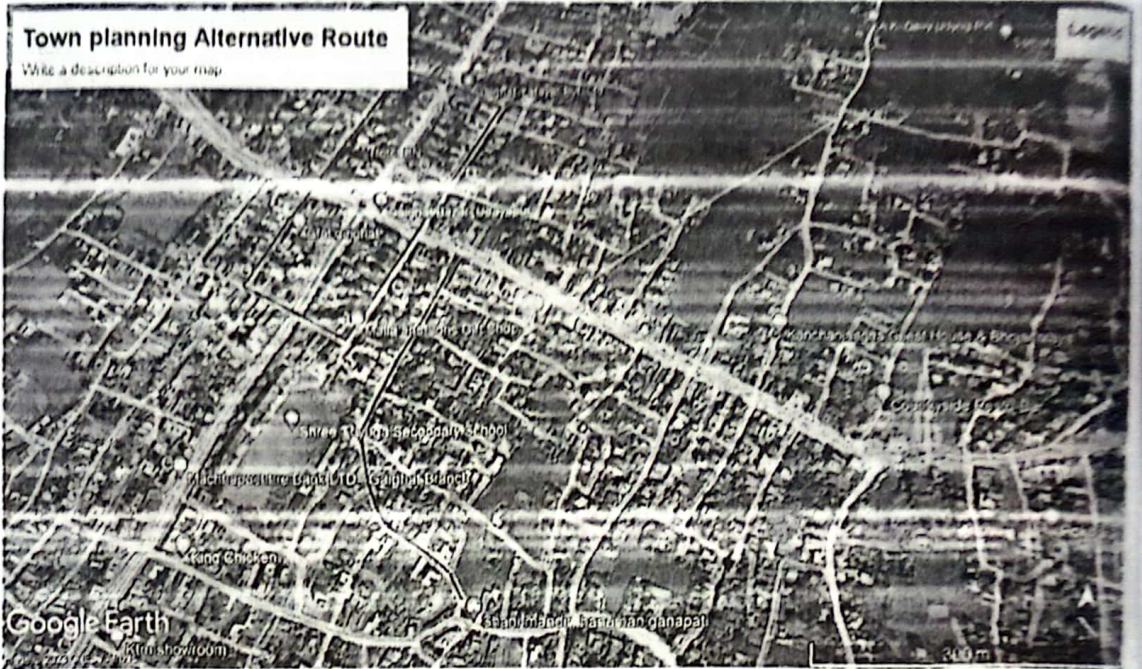
पुनर्जाति गर्ने

सुदूर पश्चिम प्रदेश, नेपाल

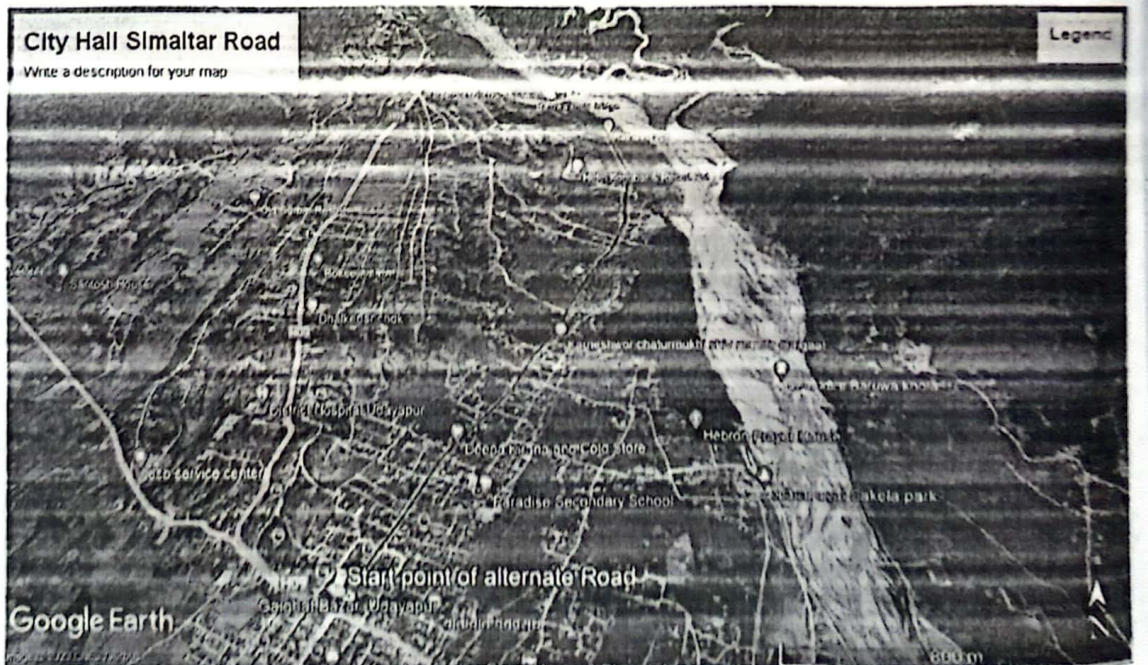
Annex XII: Alternative route

In below images, Red lines are proposed road and Green lines are Alternative routes

A) Gaighat town planning area Road Section



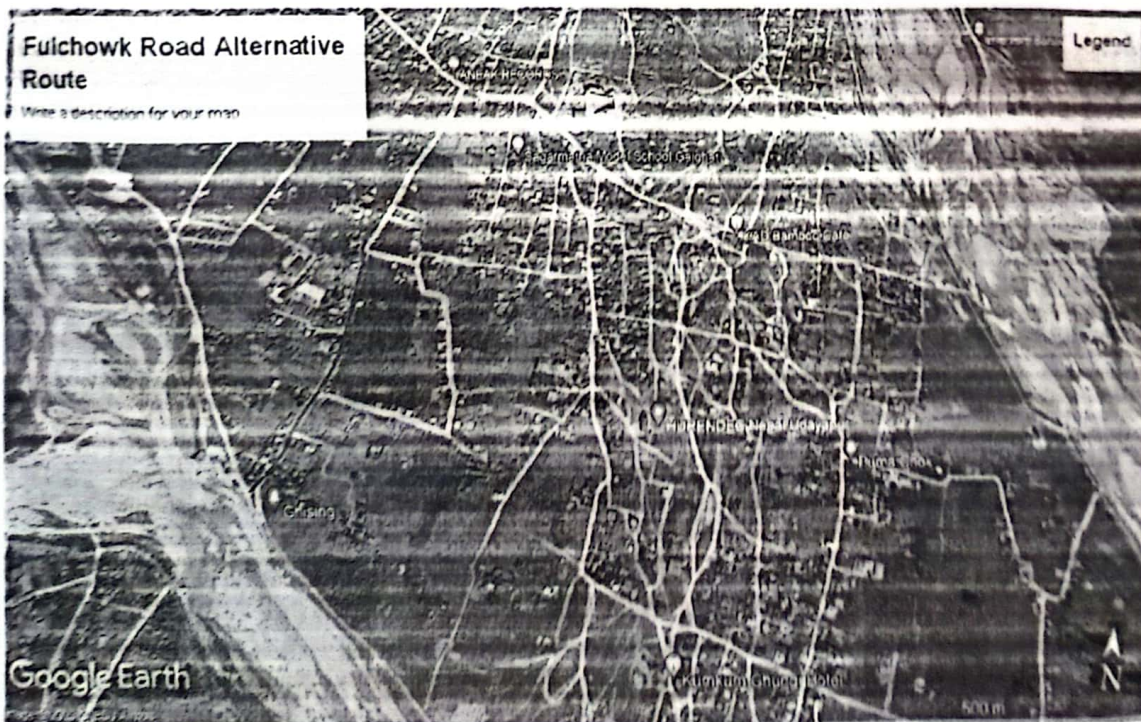
B) City hall- Simaltar-Gaighat- Diktel Road Section



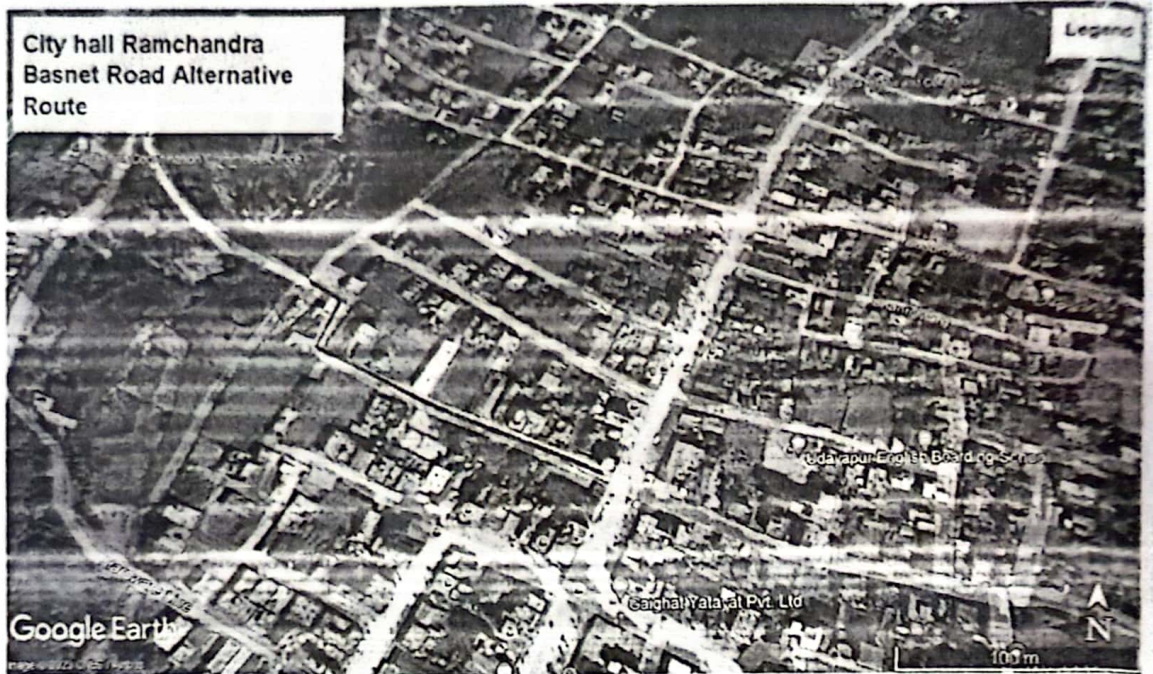
C) Babarani DM Gate Road Section



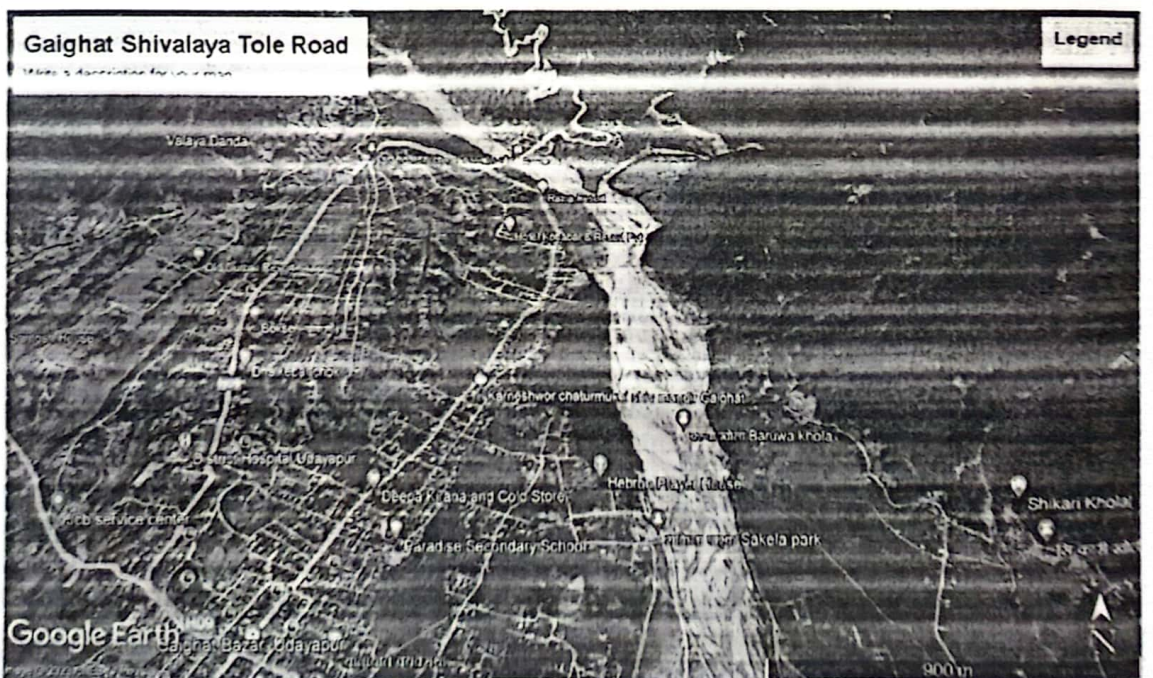
D) Fulchowk PG chowk Road Bote tole Triyuga Corridor section



E) City hall- Ramchandra Basnet house section



F) Gaighat Shivalay tole-Adarsha tole-Ramailo danda Manmohan school to Karamgachhi Diktel connecting Road Section



(7) Praga tole kha (In front of Quarter) ko road to sukho road ward 17 Road section

