



# Environmental and Social Management Plan (ESMP)

Nepal Urban Governance and Infrastructure Project (NUGIP)

Upgradation of Sagarmatha Agriculture bazar west to south  
Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road  
(4.717KM)

Triyuga Municipality  
Udayapur District, Koshi Province  
Nepal

January, 2024



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## Acronym

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



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Bixanpur ward 12 Road, Triyuga Municipality

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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 Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road (4.717Km)* 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 Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road 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 <i>Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road (4.717Km)</i>
Estimated Cost:	NPR. 294,147,294.73 (including VAT and contingency) <b>ESMP cost of Sagarmatha Agriculture bazar road: 1,150, 000.00</b>
Start/Completion Date:	January 2024 - July 2025



## 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

Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road is a rural road of Triyuga Municipality which starts at PG chowk of Madan Bhandari highway (Sagarmatha agri bazar) and passes through Buddha chowk, Ekta chowk, Purano laxmipur, Sonapur, Chiura mil, Baruwa, Bisanpur park and end at three locations namely Baruwa corridor, Bisanpur park and Saonapur. The overall length of the proposed road is 4.717 km. This road passes through ward no 12 and 13 of Triyuga Municipality. Its starting point coordinates are Easting 470878.9835m, Northing 2963083.1229m and elevation 195.592m end point coordinates are Easting 471719.2625m, Northing 2961019.3334 and elevation 189.744m. The proposed subproject is located in terai area and passes mainly through mixed land use having rural settlement and cultivated land.

### 2.2 Land use

The project area consists of different settlements having scattered settlements and cultivated land. 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 this road is 8m. The land within the proposed formation width which is the existing width is already in use by the public. Thus, additional land is not required for road upgradation. 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. ROW declaration related documents attached in Annex II of this report.



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Table 2-1: RoW details

SN	Name of the Road/ Sections	Length (Km)	RoW (m)	Existing Formation width* (m)	Proposed Formation width (m)	Remarks
<b>Sagarmatha Road</b>						
1.1	Section I	1.29	8	8	8	Type_3
1.2	Section II	2.17	8	8	8	Type_3
1.3	Section III	0.712	8			
1.3.1	0+000 to 0+040		8	6.3	6.3	Narrow section
1.3.2	0+040 to 0+680		8	8	8	Type_3
1.3.3	0+680 to 0+712		8	6.3	6.3	Narrow section
1.4	Section IV	0.545	8	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 alignment does not cross any major river. Number of small seasonal and perennial small Hume pipe crosses the alignment at different Chainage which details are presented in Table 2-3. 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 2-2.

Table 2-2 :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 2-3: Natural Drainage Existed Along the Road Alignment

SN	Name of the Road	Chainage	Natural Drainage	Adopted Structures	Remarks
<b>Sagarmatha Road</b>					
1.1	Section I	0+585	Crossing	0.6m dia Hume pipe	Drain Crossing towards Section II
1.2	Section II	1+487	Crossing	0.6m dia Hume pipe	Irrigation crossing
		1+612	Crossing	0.9m dia Hume pipe	Outlet toward river

## 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 -1.58% 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.

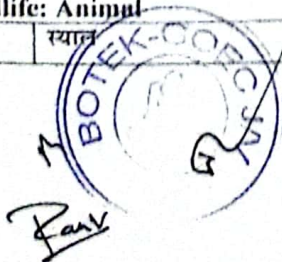
Since this road sections lies within the municipality city area (Purano Gaighat area) having scattered settlement and cultural cultivated land. There is no any forest and rivers within the alignments. Therefore there is no direct effect for the biological aspect of the environments. It is not a habitat for terrestrial fauna and avifauna. Major trees, wildlife and Aquatic species found in this municipality area are presented in Table 2-4, 2-5 and 2-6.

Table 2-4 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 2-5 Major wildlife found in the municipality area

SN	Local Name (Nepali Name)	English Name	Scientific Name	Remarks
1	र्याल	Wolf	Canis lupus	



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Table 2-7 : Existing water supply pipeline Details

S N	Name of the Road / Sections	Chainage		Side	Length (m)	Dia. of pipe	Type of pipe	Quantity (m)	Remarks
		From	To						
	Sagarmatha Road _ Section I	0+000	1+290	Both	1290	4"	CI	2580	
<b>Total</b>								<b>2580m</b>	

### Religious Places, Resting Area and Community Owned Properties

The details of the public owned properties lie alongside of the road alignment are presented below. The below listed structures won't be affected by the project upgradation works however necessary precaution will be taken during construction works.

Table 2-8: List of temples, resting areas and other community owned properties

S.No.	Sagarmatha Road Sections	Chainage	Name	Type	Remarks
1.	I	0+000	Madan Bhandari Highway	Road	None of these structures will be affected.
2.	I	0+600	Shiva Mandir.	Temple	
3.	I	1+060	Rice mil way	Temple	
4.	I	1+290	Baruwa Corridor	Road	
5.	II	2+140	Bisanpur Harid Park, Bisanpur	Park	
6.	IV	0+545	Triyuga Corridor	Road	

### 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 such as 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 2-9 Schools in and near the road alignment

S.N.	Chainage	School Name	Location	Remarks
1	0+620	Janapremi Basic School	Sagarmatha Road Section I	None of the structures of school will be affected during construction.

### Existing Storm water drainage structures

Table 2-10: Existing storm water drain details

SN	Chainage		Direction of Sagarmatha Road	Remarks
	FROM	TO		
1	0+000	1+290	Section I (Left and Right)	Proposed for reconstruction
2	0+000	0+712	Section III (Left and Right)	



ESMP for the upgradation of Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road, Triyuga Municipality

## Existing Electric lines

In the whole alignment, the road section has 42 electric poles with in construction width of proposed sub projects which needs to be relocated during construction. Details of electric poles which needs to be relocated during construction are presented in below Table 2-11.

Table 2-11 Existing electric pole

SN	Chainage	Direction	SN	Chainage	Direction	SN	Chainage	Direction
<b>Sagarmatha Road Section I</b>			3	0+175	Right	19	2+005	Right
1	0+005	Left	4	0+210	Right	20	2+030	Left
2	0+050	Left	5	0+355	Right	<b>Sagarmatha Road Section III</b>		
3	0+100	Left	6	0+375	Right	1	0+005	Left
4	0+295	Left	7	0+385	Right	2	0+290	Left
5	0+350	Left	8	0+470	Right	3	0+350	Right
6	0+370	Left	9	0+505	Right	4	0+380	Left
7	0+480	Left	10	0+805	Left	5	0+395	Right
8	0+530	Left	11	0+830	Left	6	0+410	Left
9	0+910	Right	12	0+985	Right	7	0+460	Right
10	1+170	Right	13	1+290	Right	8	0+500	Right
11	1+220	Left	14	1+430	Left	9	0+660	Left
12	1+260	Left	15	1+675	Right	10	0+710	Left
<b>Sagarmatha Road Section II</b>			16	1+695	Right	<b>Total</b>	<b>42</b>	<b>Nos.</b>
1	0+005	Left	17	1+895	Right			
2	0+055	Right	18	1+950	Right			

## 2.10 Demography of the project area

The total population of Udayapur District, according to the Census of Nepal, 2021 (2078B.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 (4.57). 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 2-12: Population and Household details of affected wards

Ward No.	House hold	Population			Average Household size	Sex ratio
		Total	Female	Male		
12	1882	7907	4137	3770	4.2	91.13
13	1638	6386	3404	2982	3.90	87.60

Source: NSO, 2021

## 2.11 Settlements

There is scattered settlement within the project area. The major settlement along the alignment is Sonapur, Ekta tole, Puma tole, Buddha tole, Rice mil tole and Bisanpur.



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## 2.12 Land availability

The project area consists of scattered settlements and cultivated land. 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 this road is 8m. The land within the existing width which is proposed formation width is already in use by the public. The existing width of the road is varying from 6.3m to 8m (including side drain and shoulder). The proposed width of the road also varying from 6.3m to 8m. However due to the availability of existing road width in a few locations, the construction width of the road is reduced as narrow section. The details are presented in Table 2-1 (Section 2.2: Land use). Thus, there are no any built up structure/permanent houses lies within the formation width of this road. 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. Therefor the alignment is clear for the construction of work.

## 2.14 Caste/Ethnicity

The caste/ethnicity wise details of households are presented in Table 2-13. There is presence of mixed 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 and Dalits were also organized during field study. The consultation summary with different groups is presented in chapter 5 of this report.

Table 2-13: Caste/Ethnicity of People along proposed road alignment

SN	Ethnicity	HH no.	%	Remarks
1	Brahamin	40	10.96%	Khas/Arya
2	Chhetri	45	12.33%	Khas/Arya
3	Tharu	94	25.75%	IPs
4	Rai	74	20.27%	IPs
5	Magar	60	16.44%	IPs
6	Madheshi	22	6.03%	Khas/Arya
7	Biswokarma (Kami)	10	2.74%	Dalit
8	Mushar	20	5.48%	Dalit
<b>Total</b>		<b>365</b>	<b>100</b>	

Source: field study 2023

## 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 presence in the area. The municipal social section record also shows that GBV present within the Municipality. There are more than 20 number of consultations (KII, FGD and meetings) were conducted during preparation of ESMP. During the consultations, 134 numbers of people participated. The male and female participants are 83 (61.94%) and 51 (38.06%). 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 2-14** and related documents attached in **Annex-II**. According to municipal data, issues on GBV/SEA/SH are taken for planning of 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 2-14 GBV cases details 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 DPR. 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.



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- 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.



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

The upgrading of Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road starts at PG chowk of Madan Bhandari highway (Sagarmatha agri bazar) and passes through Buddha chowk, Ekta chowk, Purano laxmipur, Sonapur, Chiura mil, Baruwa, Bisanpur park and end at three locations namely Baruwa corridor, Bisanpur park and Saonapur. The overall length of the proposed road is 4.717 km. This road only passes through ward no 12 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. There are no alternative routes to the project road that serve the same function as that of the stated road.

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 this road is 8m. The existing width of the road is 6.3m to 8m (including side drain and shoulder). The proposed width of the road also 6.3m to 8m having carriageway width 5.5m. The components of the proposed roads are improvement of pavement, footpath, kerbs, covered 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 Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road sections (Section I to Section IV) are shown below **Table 3-1**.

*Table 3-1: Salient features of Sagarmatha Agriculture bazar road*

SN	Description	Description	
1	Name of the Road	Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road	
2	Road Type	Urban/ Local Road (NURS 2076)	
3	Proposed road length	4.717 Km	
4	Number of Lane	Two Lane	
5	Right of Way	8m	
6	Road Attributes	<b>Existing width</b> <b>Proposed width</b>	
	• Road Formation Width*	6.3m for Narrow Section (i.e. CH 0+000-CH 0+040 and CH 0+068-CH 0+712); 8m for remaining Section (including drain and shoulder)	6.3m for narrow section and 8m for remaining section
	• Carriageway Width *	4m for Narrow Section and 5.5m for remaining Section	3.8m for Narrow Section and 5.5m for remaining section
	• Camber of Carriage way	2.5%	
	• Pavement Surfacing	40 mm Asphalt Concrete 0.15 m Base	

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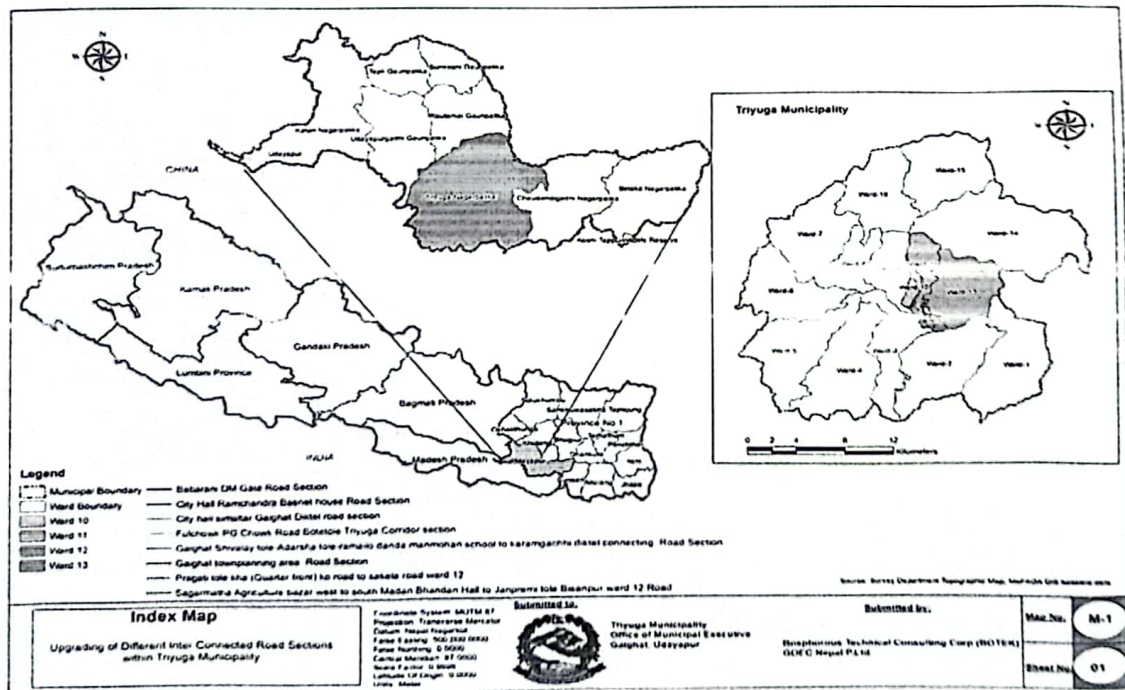
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*ESMP for the upgradation of Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road, Triyuga Municipality*

SN	Description	Description
		0.15 m Sub-base
7	Terrain Type	Plain
8	Climate	Tropical
9	Geology	Sub Himalayan
10	Wards & Major settlements	Triyuga Municipality –12 and 13 Sonapur, Ekta tole, Puma tole, Buddha tole, Rice mil tole and Bisanpur
11	<b>Design Parameters</b>	
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. 1150,000.00
17	Total Project cost	NPR. 294,147,294.73 (including VAT and contingency)
18	Cost per km	NPR. 62,358,977.05 (including VAT and contingency)

\* Note: *Right of Way- RoW defined by the municipality;  
Road Formation Width- Road width from drain to drain;  
Carriageway Width- Black topped road width.*



*Figure 3-1 : Index Map*

### 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 a government land having an area of about 31436 Square meters which is situated near the



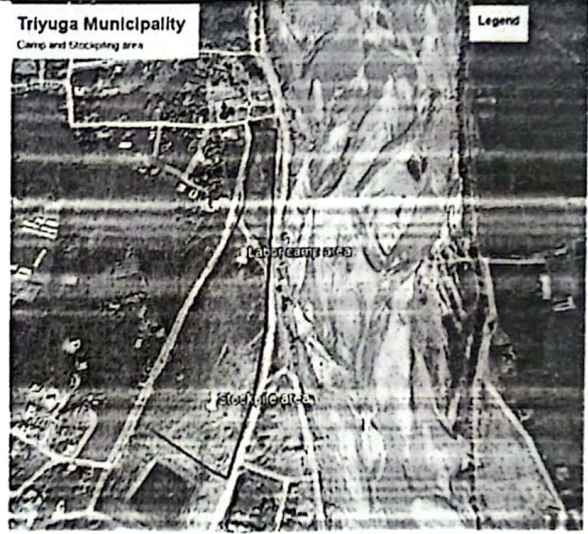
north side of proposed Baruwa Bus Park (Sakela Area). It is 600m far from the proposed site. It is an open ground area situated near Sakela Tole and can be used for contractor's campsite and stockpiling of the construction materials. The existing land is barren land having some vegetation. Required facilities 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	471259.55m E	2963555.47m N	2684	
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



Proposed camp and stockpiling site near Sakela



Stockpiling and labor camp location (Red line area)

**Figure 3-2: Proposed camp and stockpiling site**

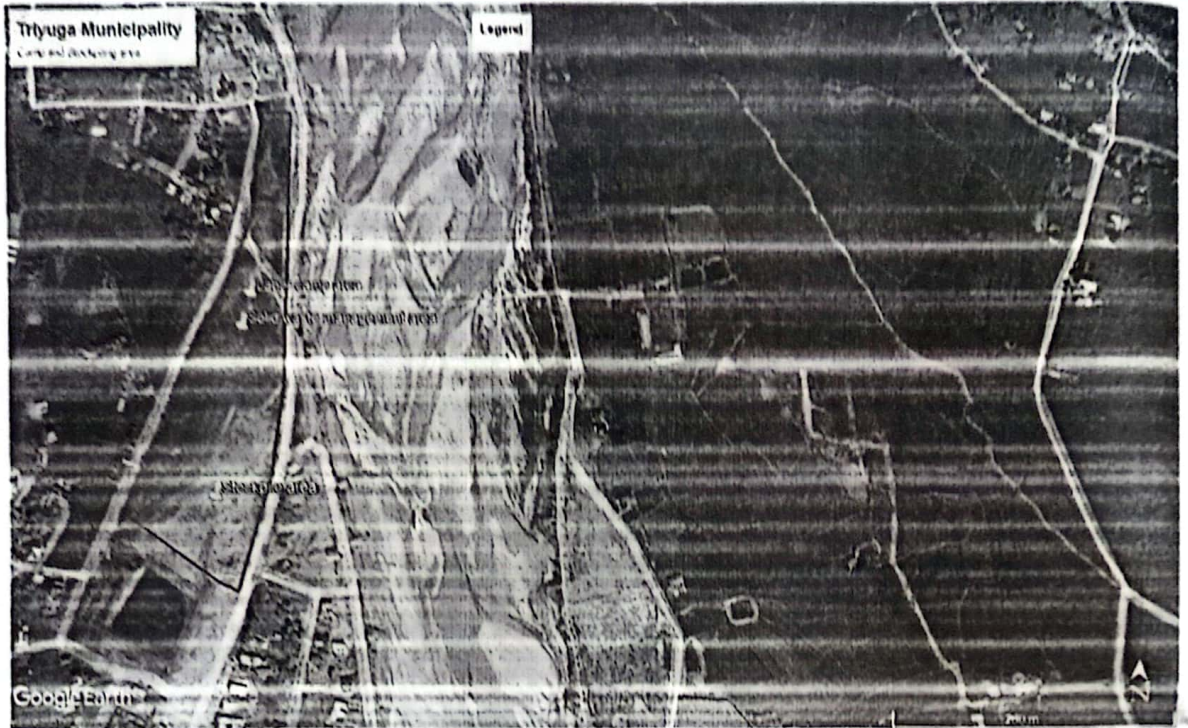
### 3.3 Solid Waste Management

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 coordination with the local ward/municipal authority through existing solid waste management (collection & disposal) system of the municipality. The land will be cleared and restored to the satisfaction of the Municipality.





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Picture: 1 : Solid waste management area

### 3.4 Spoil Management

As per the DPR of the road, there is earth cutting (5956.797m<sup>3</sup>) is more than filling work (5927.343m<sup>3</sup>). After the backfilling, 29.454m<sup>3</sup> construction spoil will need to be managed in appropriate site. An open public space located around 500m from proposed road section II end point (near Bisanpur Harid Park ward-12) with area of around 10,000 sqm 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 sub project

SN	Particulars	Cutting (m <sup>3</sup> )	Filling (m <sup>3</sup> )
1	Earthwork	5956.797	5927.343

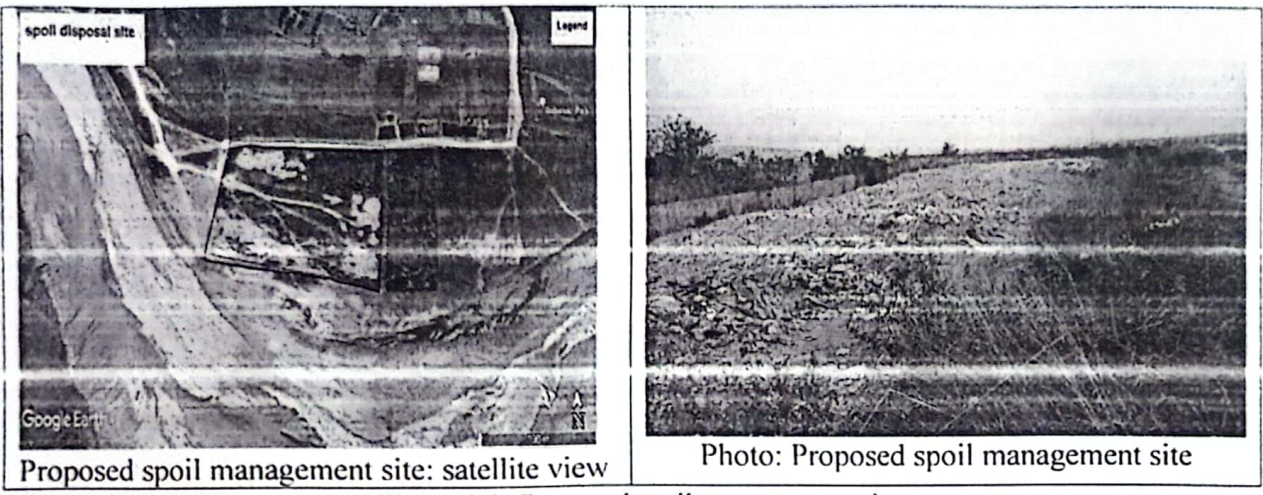


Figure 3-3: Proposed spoil management site

### 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	1548.49	
2	Stone	0	
3	Aggregate	15292.492	

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.

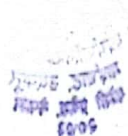
Table 3-5: IEE Approved Quarry site description

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

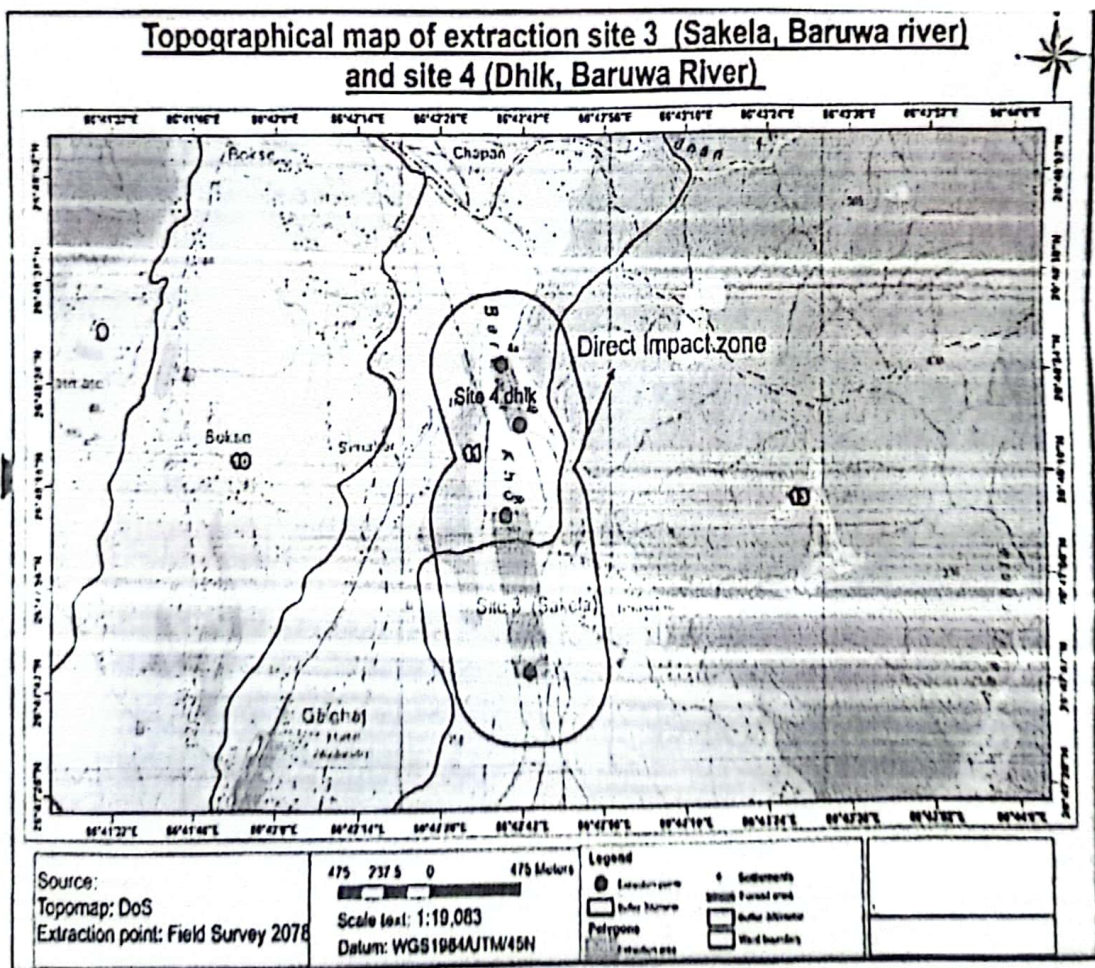
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 Bisanpur ward 12 Road, Triyuga Municipality

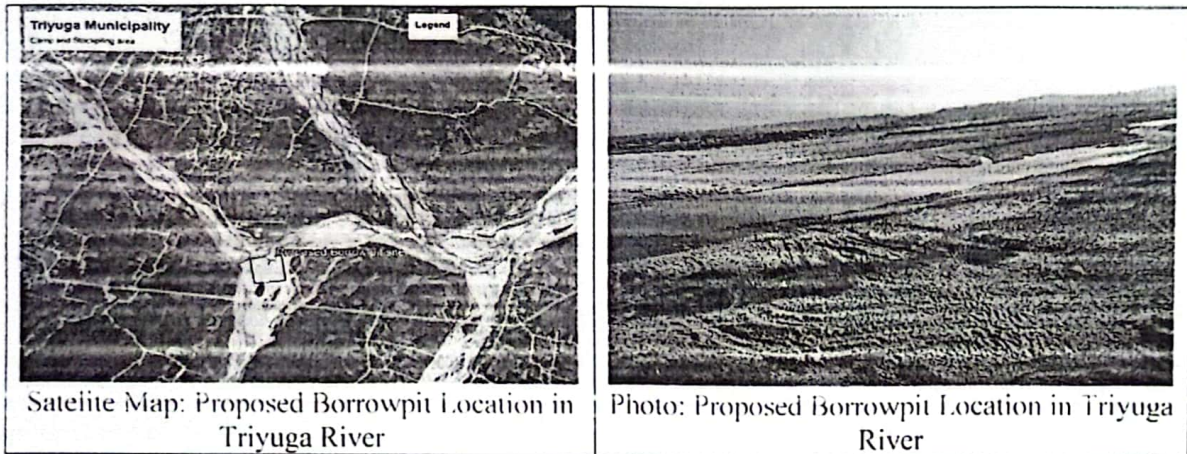
SN	Quarry Name	Ward No	Northing	Easting	Available quantity (m <sup>3</sup> )/year	Remarks
2	Bisanpur	12	26°46'36.17"N to 26°46'16.76"N	86°43'11.18"E to 86°43'26.15"E	25375	mentioned separate volume of the stone, aggregate and sand to be available
3	Sakela	11, 13	26°48'5.09"N to 26°47'36.63"N	86°42'39.59" 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

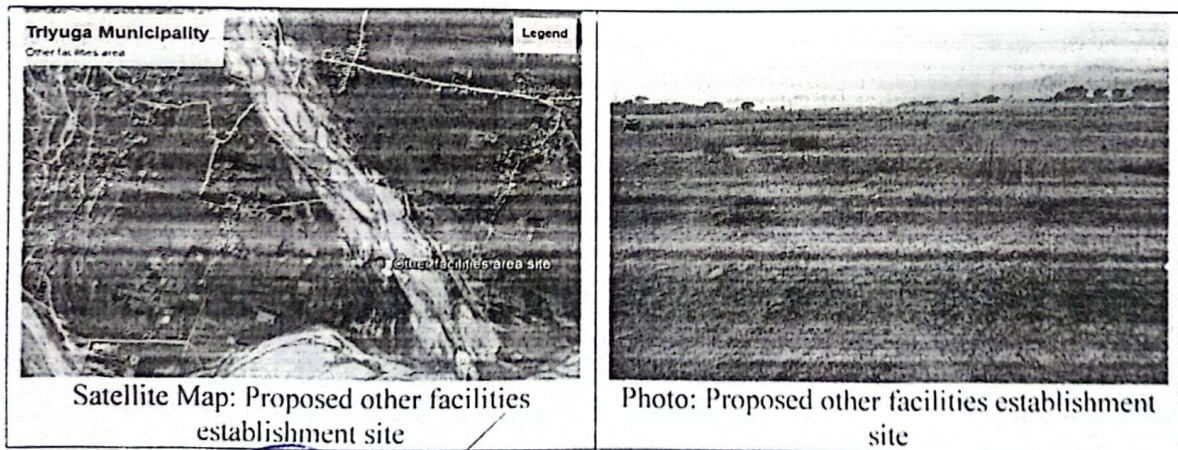
As per DPR, the quantity of earthwork cutting (5956.797m<sup>3</sup>) is more than earth filling work (5927.343m<sup>3</sup>), thus there is no need of borrow pits in this sub project however for ease and future possibility of requirement, borrow pits has been identified. The borrow pit is proposed at the Triyuga River which is 500m (Easting 471634.00m E, Northing 2960654.00m N) far from our road chainage 2+140 of section II (near Bisanpur Harid Park) and having IEE clearance by municipality. The letter of municipality for 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 472352.00m 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 asses 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"> <li>✓ The overall project environmental management is the responsibility of PIU</li> <li>✓ The regular monitoring will be carried out by the PIU</li> </ul>
2	Contractor	<ul style="list-style-type: none"> <li>✓ The contractor is required to submit C-ESMP within 45 days of contract signing.</li> <li>✓ Implement the mitigation measures and provisions as per ESMP and DPR of the Project</li> </ul>

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

#### 4.4 Objectives of ESMP:

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



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4.5 ESMP Matrix:

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

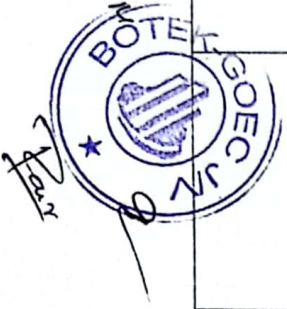
Table 4-2: Environmental and Social Management Plan (ESMP) Matrix

Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
<b>Physical-Construction</b>				
1.	Obstruction due to electric poles with in construction width (42 Nos.)	<ul style="list-style-type: none"> <li>Obtain all necessary permits for dismantling and relocation of electric poles from NEA.</li> <li>The cost of shifting should be included in project cost</li> <li>Relocate the electric poles along the alignment in coordination with the Nepal Electricity Authority</li> <li>The process should be completed prior the beginning of the road construction</li> </ul>	Municipality/DSC and Contractor in coordination with NEA.	Included in DPR BOQ (BOQ item no: A-2)
2.	Relocate and re-construction of Water Supply Pipe lines of the Tryyuga small town water scheme (2.58km pipelines likely to affected)	<ul style="list-style-type: none"> <li>Obtain permission (Obtained necessary estimation from relocation of pipes from water management committee) for relocate and reconstruction from Water Supply Management Committee.</li> <li>The project must work in close coordination with the Water Supply Management Committee regarding disruption of water supply system in road section.</li> <li>Alternative means of supply during the disruption and reconstruct the system will be done.</li> </ul>	Municipality/DSC and contractor in coordination with water supply management committee	Included in DPR BOQ (BOQ item no: A-2)
3.	Quarrying Material and Operation	<ul style="list-style-type: none"> <li>Avoid and or minimize adverse environmental impacts arising out of quarry construction material exploitation in line with MOFE guidelines/ conditions / recommendations.</li> <li>Include conditions for selecting borrow sites, timing and use of roads, maintenance of vehicles, selection of sites for material storage, rock blasting and aggregate</li> </ul>	Municipality/DSC, Municipality instructs the quarry operators to reinstate the established quarry sites as per agreed norms during environment clearance	Covers by municipality/PIU DSC monitoring cost





Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
4.	Issues of stockpiling and construction material	<ul style="list-style-type: none"> <li>production, handling hazardous or dangerous materials such as oil, explosives and toxic chemicals.</li> <li>The construct on 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 Subproject.</li> <li>The municipality in support of DSC will monitor the quality of quarrying material and state of quarry sites.</li> <li>The materials will be brought only from licensed vendors having environmental clearance.</li> <li>Municipality may instruct the quarry operators to reinstate the established quarry sites as per agreed norms during environment clearance.</li> <li>Prepare a CESMP 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 PUJ for approval.</li> </ul>	Contractor (Follow obligations) IEE	This will be the part of Contractor's Responsibility under Contractor Cost. This will be included in CESMP



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Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
		<ul style="list-style-type: none"> <li>Open burning of solid waste from the Contractor's camps should be strictly banned</li> <li>The scarified spoil will be disposed within the RoW width along the alignment during the construction and required additional filling quantity is direct transport from the borrow pit site which is legally operating with IEF approval from the concerned authority.</li> <li>Implementation for the monitoring will be carried through contractor environment mitigation checklist which is prepared before the construction of structures</li> <li>The identified spoil deposit site is an open public space located around 500 m from Sagarmatha agri road section II end point (near Bisampur 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 settlement.</li> <li>All the identified spoil disposal sites will be rehabilitated after disposal adopting natural drainage, and covering vegetation.</li> </ul>		<p>under Contractor Cost</p>
7.	Air/Dust Management	<ul style="list-style-type: none"> <li>Road construction area shall be maintained damp by periodical spray of water. Bisampur area will be needed for water spray during construction.</li> <li>Delivery vehicles will be covered.</li> <li>Mixing equipment will be well sealed and equipped as per existing standards.</li> <li>All construction vehicles should comply with Motor Vehicles and Transportation Management Act 2019 (Third Amendment) Rules, 2016 (2010).</li> </ul>	Contractor/PIU/DSC	<p>Included under Contractor's Cost</p> <p>The cost for the water sprinkling will be borne by the contract package.</p> <p>(For Air quality test/sampling, Noise level monitoring and</p>

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Stage	Impact	Mitigation Measure	Responsibility?	Cost (Remarks if any)
8.	Noise, vibration due to the use of heavy machinery and other construction activities,	<ul style="list-style-type: none"> <li>• Provide temporary hoardings where required to minimize dust impact on locations of temples (Shiva Mandir ch 0+600, section I, Bisampur Harid Park chainage 2+140, section II), and Janapremi basic school (Chainage 0+620).</li> <li>• Provision of speed control measures in Bisampur area as well as Janapremi basic school area and working areas to limit traffic speed.</li> <li>• 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.</li> <li>• Air pollutant parameters (TSPM, PM10, Sox, NOx, Cox) will be monitored regularly during construction. Conforming NAAQS of Nepal.</li> <li>• Air quality monitoring/Sampling (at least 2 times during construction)</li> </ul>	Contractor/DSC	Cost of noise level monitoring comes within the Air Quality monitoring cost above Costs as a result of damage from vibrations will be borne by contractor.

Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
9.	Water Pollution	<ul style="list-style-type: none"> <li>Activities involving heavy machinery with significant noise impacts should be restricted to outside school hours.</li> <li>Noise levels (1 hr Leq dB(A)) levels will be monitored regularly. Conforming WHO standards.</li> <li>Hazardous materials shall not be stored near surface waters sources</li> <li>Used lubricants and oils shall be collected and recycled or disposed off site</li> <li>Plastic sheeting shall be placed under hazardous material storage area to collect and retain leaks and spills.</li> <li>Contaminated runoff from storage areas shall be captured in ditches or ponds with an oil trap at the outlet.</li> <li>Contaminated and worn plastic sheeting shall be packed into drums and disposed off site.</li> <li>Water Quality (TSS, PH, DO, TSS, Oil and Grease). Conforming WHO standards.</li> </ul>	Contractor/DSC	<p>Cost of water pollution monitoring comes within the Air Quality monitoring cost included in above SN 7 of this table</p>
10.	Labor Location and Management	<ul style="list-style-type: none"> <li>Camps area should be well fenced having entrance gate and provided with 24-hour guard having access to entry for authorized personnel only. Also, will maintain record of labor in proper way.</li> <li>Camps shall not be located near settlements; near water supply intakes; or sites that affect the access by local people to drinking water.</li> <li>Camp shall not be in the vicinity of landslide and flood plains.</li> <li>Provide adequate health care facilities within construction sites and provide first aid facility round the clock</li> </ul>	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"> <li>Waste minimization and waste segregation will be prioritized; 3R approach will be promoted.</li> <li>Composting of organic waste generated from the camps will be disposed within the proposed camps.</li> <li>Coordination with municipality for final disposal into the municipality's waste collection &amp; disposal system.</li> <li>Awareness raising event will be carried out.</li> <li>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.</li> <li>Further detailed plan will also be provided in C-ESMP with in 45days of contract agreement.</li> </ul>	Contractor	Included in Contractor's Cost. It is the responsibility of Contractor.  For awareness raising activities NRs 25,000
12	Road safety and Community safety	<ul style="list-style-type: none"> <li>Cross-Roads: Development Stretch of up to 15 m of each cross-road will be developed under this project.</li> <li>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</li> </ul>	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)

Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
13	Construction Safety	<ul style="list-style-type: none"> <li>The signage/branding board needed area are Bisanpur and Janapremi basic school area.</li> <li>Retaining/ Breast wall: Stone Masonry Retaining wall has been provided along the alignment where embankment is required.</li> <li>Awareness activities (minimum one event, minimum participants 30 nos.) will be conducted to inform &amp; aware locals regarding potentials risks and proposed safety measures related to the project activities.</li> </ul>	Contractor	It will be the part of Contractor's Responsibility under Contract Cost  NRs 50,000 for worker safety materials.



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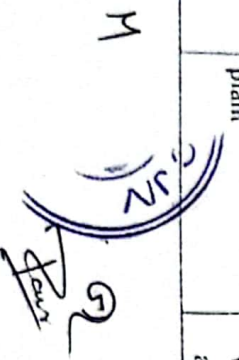
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Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
14 Traffic Management		<ul style="list-style-type: none"> <li>At every work place, a readily available first aid unit including an adequate supply of dressing materials will be provided.</li> <li>Maintain health care system at construction camps including regular visits by trained medical staff for routine checkup of workers and avoidance of communicable disease.</li> <li>Temporary diversions will be provided wherever necessary, with proper drainage facilities.</li> <li>Electrical Equipment will be checked and certified regularly.</li> <li>Provide and install all road signs as per design.</li> <li>Impart road safety education to all community, schools, clubs and drivers of construction vehicles.</li> <li>Hazards will be 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 to help ensure that workers are trained on what to do in the event that an accident occurs on site.</li> </ul>	PIU/ DSC and Contractor	Included in DPR BOQ (BOQ item no: B-7, H-41, H-42, H-48)



Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
		<ul style="list-style-type: none"> <li>alternative routes identified to divert the normal traffic flow, transport material during off-peak time,</li> <li>provide advance notice to stop vehicles by erecting indicator signs at a necessary distance in order to reduce congestion at the site of work, thus enabling making of proper security arrangements, or lane wise traffic management.</li> <li>Traffic management for the Janapremi Basic School, Chainage 0+620, Section I will be maintaining traffic diversion for the teachers/students within the sub-project up to construction period. Also, alternative routes will be identified.</li> <li>Traffic Safety such as street lights, traffic control devices and other features shall be covered through "Traffic Signs Manuals Vol-I and Vol II" and "Road safety manual" published by the DCR.</li> <li>Provision of alternative routes to ease the congestion and built up of traffic.</li> </ul>		
15.	Demobilization of contractor	<ul style="list-style-type: none"> <li>construction sites are cleaned from residual waste and fully reinstated;</li> <li>Enabling environment is provided for natural regeneration of work base and construction sites to natural condition.</li> </ul>	Contractor and monitored by PIU/DSC	Contractor cost.
16.	Risk associated with others facilities like Crusher. asphalt plant	<ul style="list-style-type: none"> <li>The Contractor will develop and maintain emergency response system in order to address any accidents or other emergency situation or disaster at site such as fall of workers from height, collapse of pier, flood, earthquake, accident, etc.</li> </ul>	Contractor and monitored by PIU/DSC	Contractor cost.

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Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
<b>Physical-Operation</b>				
1. Road Stability and Drainage Management		<ul style="list-style-type: none"> <li>Road side tree plantation to mitigate possible degradation of land along the project alignment. Ensure proper compaction as per design.</li> <li>Proper drainage should be maintained and monitoring should be done for clogging.</li> </ul>	Contractor/Municipality	Municipality Regular program during Operation.
2. Air and Noise pollution		<ul style="list-style-type: none"> <li>Maintain signs and speed restrictions on the road section within settlements area to reduce vehicle speed, dust generation, and where horns will not be blown and traffic speed will be regulated</li> <li>Strict enforcement of vehicle emission standards.</li> <li>Maintain road side tree plantation</li> <li>Air pollutant parameters (TSPM, PM10, SOX, NOX, COX, Pb). Conforming NAAQS of Nepal.</li> <li>Water quality (EC, PH, DO, TSS, Oil and Grease). Conforming WHO Standards.</li> <li>Noise levels (1 hr Leq dB(A). Conforming WHO standards</li> </ul>	DTO, transportation entrepreneur, local people	Municipality Regular program during Operation
3. Water pollution		<ul style="list-style-type: none"> <li>The operation of proposed work doesn't pose serious threat on water bodies; however, washing vehicles on fresh water stream will be avoided.</li> </ul>	Drivers, Ward, local people	Municipality will monitor
4. Climate change and Disaster Risk		<ul style="list-style-type: none"> <li>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.</li> </ul>	Contractor along with municipality	
<b>Biological-Construction</b>				

Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
	1. Slopes stabilizations/ Landslide. Vegetation clearing.	<ul style="list-style-type: none"> <li>Bio-engineering has been proposed as mitigation for the stabilization of slopes along the road.</li> <li>Civil structures like masonry wall, gabion walls are constructed during construction</li> <li>There is no any vegetation loss during construction.</li> </ul>	Contractor	Included in BOQ (BOQ item no G-38, G-39, G-40)
<b>Biological-Operation Stage</b>				
2.	Impact on Vegetation	<ul style="list-style-type: none"> <li>Encouraging local people for protection of roadside plantation carried out during construction.</li> </ul>	Municipality	No additional cost
<b>Social- Construction Stage</b>				
1.	Land use change	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	Contractor.	Contractor cost.
2.	Pedestrian and houseowner Safety: General people, children and elderly people.	<ul style="list-style-type: none"> <li>Diversions should be safe for children, the elderly, differently-able people and other general pedestrians during construction to ensure their mobility.</li> <li>School areas (Jiyapremi basic school) should be emphasized and adjacent transitions should be ensured. Appropriate signs and signage are used during project execution and construction to raise awareness of potential safety hazards of construction.</li> <li>39 nos. of Zebra crossing are provided throughout the alignment in certain interval and major crossings.</li> <li>Proper awareness on use of sanitation facility for worker.</li> </ul>	Contractor	Included in BOQ (BOQ item no B-7, H-41, H-42)
3.	Health and sanitation	<ul style="list-style-type: none"> <li>Proper awareness on use of sanitation facility for worker.</li> </ul>	Contractor	NRS 50,000



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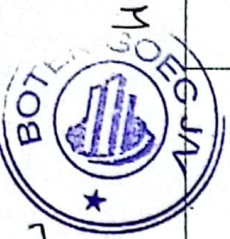
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Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
4.	Child labor and forced labor	<ul style="list-style-type: none"> <li>A chlorine solution will be provided to workers to purify drinking water.</li> <li>Regular health checkups, records of illness of the workers, monitoring of drinking water.</li> <li>No child (below 16 years) and forced labor will be employed in project.</li> <li>Age verification document of workers will be documented and contractor will maintain the record of labor employed.</li> </ul>	Contractor	No additional cost
5.	Occupational Health and Safety	<ul style="list-style-type: none"> <li>PPE including mask, gloves and First aid kit will be provided to the worker and also kept in Camp.</li> <li>Worker will be given clear instruction to follow safety rules.</li> <li>Orientation or use of PPE during construction will be provided to workers and in regular basis. Induction and refresher training to the workers will be provided.</li> <li>Safe Drinking water will be provided to the camp for worker use.</li> <li>Provision of insurance to cover physical damage to workers</li> <li>Contractor will be responsible to maintain the records of each and every accident and incidence and will make available to DISC/PCO/PMST as and when required.</li> <li>Contractor's team, staff and laborers can also make use of the GRM to raise complaints / grievances if any.</li> </ul>	Contractor	Included in BOQ (BOQ item no B-8)
6.	Community Health, Safety and Security	<ul style="list-style-type: none"> <li>Display appropriate signage for use during construction and implementation of the project to enhance awareness creation on the potential hazards of the project.</li> </ul>	Contractor/ Public awareness campaign by the municipality	Included in the BOQ (BOQ Item no A-3)

Stage	Impact	Mitigation Measure	Responsibility *	Cost (Remarks if any)
7.	Grievance Redress, GBV, SEA/SH risks and Stakeholder Consultation	<ul style="list-style-type: none"> <li>• Carry out site management practice such as the fencing around work area and road signage.</li> <li>• Increase public awareness of safety, health and environmental issues by providing information directly and indirectly through campaign.</li> </ul>	PIU/DSC	NRs 750,000.00 (Further breakdown presented in table 4-3 below)
		<ul style="list-style-type: none"> <li>• Clear and timely dissemination of project information, and safeguards aspects including anti-harassment cell; Coordination with the local stakeholders</li> <li>• Awareness raising information and dissemination about GRM and GBV (meetings, monitoring and logistic costs/@ 1 meeting every month)</li> <li>• 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)</li> <li>• GRM will include mechanism for referring SEA/SH-related grievances</li> <li>• Production of leaflets, and information dissemination through local media of ESMP, project provisions including GRM and SEA/SH and ESMP document in ward offices.</li> <li>• 6 numbers of awareness/ orientation/ trainings (awareness on domestic violence (2nos.), Rape Sexual violence (1nos.), Child marriage (1nos.) CoC (2nos.)) with at least 30 participants in each activity and will conduct during first quarter of 1st year and 3rd quarter of first year)</li> </ul>		



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Stage	Impact	Mitigation Measure	Responsibility	Cost (Remarks if any)
8.	SE/ASH risks	<ul style="list-style-type: none"> <li>Skill enhancement training targeting the women, vulnerable, disadvantaged groups including IPs like Rai, Bote and Chandhary @ 1 event.</li> <li>Separately Camps for man &amp; women and maintain minimum distance from one camp to other camp.</li> <li>Providing female labor-centric facilities such as separate female toilets, separate female camps, separate family camps and mother's rooms on the site.</li> <li>GRM will include mechanism for referring SE/ASH-related grievances</li> <li>Formulating and adopting Code of conduct including sections on the safety of women and girls (CoC should be included in all contracts and training on CoC should be provided to all workers)</li> <li>CoC are understood through orientations and signed by workers.</li> </ul>	Contractor	This will be part of contractor's cost
<b>Social Operation Stage</b>				
	Encroachment of ROW	<ul style="list-style-type: none"> <li>The municipality will work with wards to discourage encroachment into the ROW.</li> </ul>	Municipality	Cost will be borne by municipality
	Air and Noise Pollution	<ul style="list-style-type: none"> <li>Maintain signs and speed restrictions on the road section within settlements area to reduce vehicle speed, dust generation, and where horns will not be blown and traffic speed will be regulated.</li> <li>Strict enforcement of vehicle emission standards.</li> <li>Maintain road side tree plantation</li> <li>Air pollutant parameters (TSPM, PM10, SOx, NOx, COx, Pb). Conforming NAAQS of Nepal.</li> <li>Water quality (EC, PH, DO, TSS, Oil and Grease). Conforming WTIIO Standards.</li> </ul>	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"> <li>Noise levels (1 hr Leq d3(A)). Conforming WHO standards.</li> <li>Raise awareness of traffic rules, pedestrian / cycle lanes and installation of speed bumps to control speed near pedestrian crossing areas</li> <li>Traffic management plan will be developed, especially along congested locations.</li> <li>Traffic control measures, including speed limits will be enforced strictly.</li> <li>Further encroachment and squatting within the ROW will be prevented.</li> </ul>	Municipality	Cost will be borne by municipality
	Limited access for elderly and differently-able people	<ul style="list-style-type: none"> <li>Provide training on the use of facilities; maintain signboards; lights, instructions in strategic locations.</li> </ul>	Municipality	Cost will be borne by municipality

Note: \* The DSC team will responsible for monitoring the above-mentioned construction phase works



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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	2		250,000	
2	Air quality monitoring/sampling	Samples	2			
3	Noise level monitoring	Samples	2			
4	Awareness/trainings on GBV, SEA/SH and will conduct during first quarter of 1st year and 3rd quarter of first year) with at least 30 participants in each event	Events	6	50000	300,000	
i	Awareness program on reduction of sexual violence/rape cases	Events	1			
ii	Awareness program regarding domestic violence (physical/ mental abuse)	Events	2			
iii	Awareness for reduction of Child marriage	Events	1			
iv	Awareness/Training on CoC	Events	2			
5	Solid waste management	Events	1	25000	25,000	
6	Awareness on Health and sanitation of workers and provision of chlorine solution	Events	1	50000	50,000	
7	Awareness on Road safety and community safety	Events	1	25000	25,000	
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	
	<b>Total</b>				<b>1,150,000</b>	





Table 4-5: Implementation schedule for Environmental measures

SN	Impact	Mitigation Measures	2024												2025					
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6
1	Air Pollution (Dust)	Water Spray																		
2	Other air pollution parameters	Instrumental analysis																		
3	Water pollution	Lab analysis																		
4	Noise pollution	Instrumental analysis																		
5	Spoil disposal	Proper Supervision																		
6	Borrow pits	Excavation as specified. Reclamation and rehabilitation																		
7	Road Traffic safety	Installation of safety sign boards, campaigning																		
8	Campsite monitoring	Supervision																		
9	Occupational Health & Safety	Safety awareness programme, PPE																		
10	Solid Waste Management	Disposal practice, 3R principal awareness for worker																		
11	Loss of vegetation; greenery promotion	Road side plantation																		
12	Quarry sites	Excavation as specified. Reclamation and rehabilitation																		

#### 4.7 Environmental & Social Monitoring

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

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

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

Table 4-6: 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 <sub>10</sub> /PM <sub>2.5</sub>	Air Sampler / Detector	Quarterly	DSC
2.	Noise Levels	Settlement areas near road alignment	Average noise levels (L <sub>eq</sub> )	Noise Meter / Android Application	Every Month	DSC
3.	Water Quality	Near disposal site and Campsite	Parameters as per ESMP 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	Along road alignment	Status of road for use; road accidents records; Management of diversion; traffic signboards, flow of existing traffic, accessibility to the locals, grievances etc.	Use of Logs; Records of complaints	Every Month	DSC, PIU
6.	Camp site monitoring	Campsite	Space for workers; Potable water; Sanitation facilities; waste management, First Aid, rehabilitation after closure of the camp sites etc.	Site verification; records of provisions of WASH materials;	Every Month	DSC, PIU
7.	Occupational Health & Safety	Active construction sites; camp site	Provision/Use of PPEs; First Aid/treatment; Awareness;	Site verification; records of supply of	Every Month	DSC, PIU



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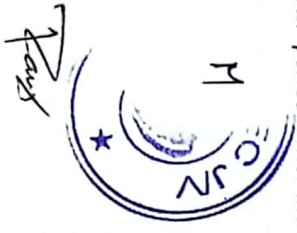
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SN	Monitoring Aspects	Location	Parameters	Methodology	Frequency	Responsibility
			orientations conducted for workers	PIEs: records of events		
8.	Solid Waste Management	Camp site and along the alignment and other construction areas	Types of waste generation, quantity, disposal practice	Observation	Every Month	DSC, PIU
9.	Loss of vegetation; greenery promotion	Active construction sites; road sections passing through 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>B Operation &amp; Maintenance Phase</b>						

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 <sup>st</sup> 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 DL.P period. After the DL.P period, Triyuga 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, Municipality office, 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/discussion 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 quality during construction.

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.

- Water must be sprayed during the construction phase
- Women empowerment must be taken into consideration.
- Road safety must be taken seriously during construction phase.
- Willing to work as construction helper as per need.

Table 5-1: People consulted during field study

SN	Category	Total people consulted		
		Male	Female	Total
1	Brahman	28	9	37
2	Kshetri	9	9	18
3	Tharu	19	14	33
4	Rai	16	8	24
5	Tamang	2	0	2
6	Bishwokarma	2	9	11
7	Pariyar	2	0	2
8	Bhujel	1	0	1
9	Thebe/Magar	4	2	6
<b>Total</b>		<b>83</b>	<b>51</b>	<b>134</b>
<b>%</b>		<b>61.94</b>	<b>38.06</b>	<b>100</b>

Source: field study 2023

Table 5.2: Details of participants during consultations

SN	Date	Name of the Road	Name	Organization	Consultation type	Remarks
1	2080-05-25	Mayor	Basanta Kumar Basnet	Triyuga Municipality	KII	Mayor
2	2080-05-24	Deputy Mayor	Maheshwari Rai	Triyuga Municipality	KII	Deputy Mayor
3	2080-05-20	Engineer	Nirmal Chaudhary	Triyuga Municipality	KII	Engineer
4	2080-05-24	W-11 Chair	Shumanta Koirala	Triyuga Municipality	KII	W-11 Chair
5	2080-05-24	W-13 Chair	Nabin Kumar Chaudhary	Triyuga Municipality	KII	W-13 Chair
6	2080-05-25	W-12 Chair (Acting)	Anita Thapa	Triyuga Municipality	KII	W-12 Chair (Acting)
7	2080-05-25	Ward Member, W12	Ramkali BK	Triyuga Municipality	KII	Ward Member, W12
8	2080-05-22	W-10 Chair	Kiran Panday	Triyuga Municipality	KII	W-10 Chair
9	2080-05-24	Chairperson, Himali tole	Shahi Kumar Tuladhar	Triyuga Municipality	KII	Chairperson, Himali tole
10	2080-06-10	CAO, Triyuga Municipality	Bishnu Bhakta Sigdel	Triyuga Municipality	KII	CAO, Triyuga Municipality
11	2080-06-09	Sagarmatha Road	Gopal Pokhrel	Triyuga Municipality	KII	Principal, Janapremi Basic school, Ward-13
12	2080-05-07	Sagarmatha	Saraswati Mahatara and other tole members	Raudidas tole bikas	FGD	
13	2080-05-10	Sagarmatha	Kshab Prasad Pokhrel and other tole members	Hawaifield tole bikas, Ward-13	FGD	
14	2080-05-13	Sagarmatha	Aadesh Kumar Rai and other tole members	Yakata Tole bikas, Ward-12	FGD	Rai
15	2080-06-10	Sagarmatha	Gauri Narayan Chaudhary and other tole members	Locals, Ward 12, Bisanpur	FGD	
16	2080-06-09	Sagarmatha	Chandra Bahadur Tamang and other School teacher	Shree Janapremi Basic School, Ward-13	FGD	School
17	2080-05-07	Sagarmatha	Laxman Bhakal and other tole members	Ward and Raudidas tole bikas	Meeting	



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## 5.2 Information Dissemination

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

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

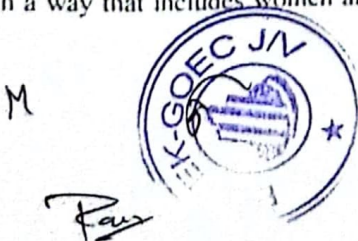
An Information Centre will be established at the municipality office during implementation to disseminate all the documents related to the project activities. Based on the public information disclosure policy, PCO and the municipality will disclose the information through its website. The information dissemination plan for proposed Road sub project is presented in Table 5-3.

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

## 5.3 Public/Community Consultation Plan

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



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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
<b>I. Build Local Ownership</b>		
Introduce Project DPR Report and its components	Group Meeting/Workshops	DSC/ Municipality
Maintain efforts for two-way communication with relevant stakeholders through the project	Face to face meeting with concerned stakeholders	DSC, Ward Level Representatives.
<b>II. Start Consultation Process with Potentially Affected Communities by construction and operation of road</b>		
Identify communities to be potential affected by project	Electronic and face to face communication with relevant stakeholders and implementing agencies	DSC, Municipality Ward Representatives
Consult with community representatives and ensure that their concerns with the proposed project are addressed	Face to face meeting with community representative Meeting will take place following protocol for meeting.	DSC, Municipality Ward Representatives
Ensure that the views and needs of vulnerable segment (if required) of communities, including but not limited to poor, women, elderly, and are addressed by the subproject	Face to face meeting with affected communities' representative (including social officer of Municipality, women's representative etc.)	DSC, Municipality Ward Representatives.
<b>III. Implementation Phase</b>		
Maintain effective communication with PIU	Electronic and face to face communication with representative of relevant agency /organization	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



ESMP for the upgradation of Sagarmatha Agriculture bazar west side with Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road, Triyuga Municipality

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



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Nirmal

Digitally signed by [Signature]



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
NUGIP 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 complaint 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/SI-related grievances, SEA/SI cases and to provide training/orientation on SEA/SI 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.



*Nirmala*

*[Signature]*

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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, September 2020, the World Bank
- Final Detailed Project Report on Upgradation of Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road, Triyuga Municipality Road, August 2023
- Nepal Human Rights Year Book 2023, Informal Sector Service Center (INSEC), Kathmandu.
- Project Implementation Manual, Nepal Urban Governance and Infrastructure Project, December 2022, the World Bank
- <https://censusnepal.cbs.gov.np>
- IEE Report of Triyuga, Baruwa River
- Municipality Profile of Triyuga Municipality 2019
- <https://Triyugamun.gov.np/>



ESMP for the upgradation of Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole  
Bisanpur ward 12 Road, Triyuga Municipality

## 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: Photographs
- Annex X: Cadastral Maps of Alignment



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## Annex I: Environmental and Social Screening Checklists

**Table 7-1: Environmental Screening Checklist**

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)				There will be chances of flooding, earthquake and Natural Disaster.
2	Is the project area adjacent to or within any of the following environmentally sensitive areas? <input type="checkbox"/> Cultural heritage site (historical, religious, traditional, or cultural significance) <input type="checkbox"/> Protected Area (National Parks, Wildlife Reserve, Hunting Reserve, Conservation Areas, and Buffer Zones etc.) <input type="checkbox"/> Wetland/Ramsar Site/Simsar <input type="checkbox"/> Forest <input type="checkbox"/> Special area for protecting biodiversity/interest <input type="checkbox"/> 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	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 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?		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		





ESMP for the upgradation of Sagarmatha Agriculture bazar with Madan Bhandari Hall to Janpremi tole Banpur ward 12 Road, Triyuga Municipality

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 upgradation 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 upgradation work.
14	Other pollution concerns relating to inconveniences in living conditions that may trigger cases of upper respiratory problems?				Short term impact during upgradation 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 upgradation work.
16	Noise and vibration due to blasting and/or other civil works?				Short term impact during upgradation work.
17	Possibility of poor sanitation and solid waste disposal				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				Injuries during construction phase, and traffic accidents during operation phase are potential risks
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 upgradation. 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 upgradation.
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?			Partial	Fuel and lubricants pose potential risks, but explosives are not used in the project
22	interference with other utilities and blocking of access to resource/utility				Short term impact during upgradation 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 upgradation work.

Table 7-2: Social Screening Checklist

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 section (6.3m) i.e. from CH 0+000 to CH 0+040 & from CH 0+068 to CH 0+712, the construction width of proposed road remains same.
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 Indigenous peoples



ESMP for the upgradation of Sagarmatha Agriculture to south Madan Bhandari Hall to Junpremi tole Bisanpur ward 12 Road, Triyuga Municipality

SN	Particulars	Remarks
	Majority Mainstream or Non-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
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 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 STI's and HIV/AIDS) from workers to local populations?	May have chances to transmission of diseases. 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 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, 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 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



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**Annex II: Minutes, Public Notice and Letters**  
**ROW Declaration Letter**



**त्रियुगा नगरपालिका**  
**नगर कार्यपालिकाको कार्यालय**

फोन नं. २०७८५  
फ्याक्स नं. २०७८५  
triyuga.municipality@gmail.com

पत्र संख्या - ०२१/०६०  
पलादी अवर - २६१०

गाईघाट, जयपुर  
कोशी प्रदेश, नेपाल

मिति - २०८०/०२/१०

**विषय:- सडकको ROW सम्बन्धमा।**

श्री शहरी विकास तथा भवन निर्माण विभाग,  
नेपाल शहरी आणविक तथा पूर्वाधार प्रायोजन समन्वय कार्यालय, पञ्चसाल, काठमाडौं।  
प्रस्तुत विषयमा NUGIP कार्यक्रम अन्तर्गत यस नगरपालिकाबाट योजनाहरूको प्रथम चरणमा मिति २०७९/०६/०१ गते छमेकी नगर स्वर्णिम सार्वजनिक समितिबाट विषयानुसार तपासिल सडकहरूको सम्भाव्यता अध्ययनका लागि प्राथमिकतामा छनोट भएका तपासिल सडकहरूको सम्बन्ध र सडक क्षेत्राधिकार (राईट अफ बे) को विवरण तपासिल योजिम रहेको व्यहोरा हुन प्रस्तावित छ।

**तपासिल पत्रको प्राथमिकता (१/१५० किमी)**

सडकको नाम	त्रियुगा नगर क्षेत्र भित्र गरिने निर्माण सम्बन्धमा	प्राथमिकता नं.
१. गाईघाट टोलन प्लाजिट जेब भित्र बायाँ सडकको त्रियुगा सडक पूर्व तपासिल सडक चिप्या ११ समेत (ROW-12m, 15 m and 25m) सम्बन्ध १२०० कि.मी.	जिल्ला विद्यालय भन्जिरी गाईघाट पञ्चसाल प्लाजिट मरी ८० फिट, ६० फिट र ८० फिट चौडाई काठमाडौं सडकहरूलाई यथावत कायम गर्नुपर्नेछ पैज नं. ११	१
२. मिट्टिलेन देवि विमानस्थल गाईघाट दिनेस सडक Access road सडक (ROW - 20 m) सम्बन्ध २०८०० कि.मी.	शिव मन्दिर माथको सडकको सडक २० मिटर पैज नं. ७	१
३. बाजगढी देवि हि एम सडक सडक (ROW - 8 m) सम्बन्ध ०१५० कि.मी.	हि. एम. सडक देवि पश्चिम जयपुर डिप्लोमरीसम्म जाने बाटो ८ मिटर पैज नं. १०	१
४. पुनर्पोक देवि वि जी बायाँ सडक पेटिटीम त्रियुगा कौरीहर (ROW - 8m) सम्बन्ध ०२६० कि.मी.	पुनर्पोक देवि दक्षिण मुसहरी टोल हुँदै पेटिटीम जाने सडक ८ मिटर सडक पैज नं. १०	१
५. मिट्टिलेन देवि राम चन्द्र बस्नेतको घरसम्म सडक (ROW - 8 m) सम्बन्ध ०२६० कि.मी.	पुनर्पोक देवि बायाँ सडक ८ मिटर र सम्बन्ध १००० मिटर पैज नं. १२	१
६. गाईघाट शिवालय टोल अर्देभ टोल सडकको बायाँ सडकको देवि कल्याणी गाईघाट दिनेस सडकसम्म (ROW - 8 m) सम्बन्ध १२१० कि.मी.	पुनर्पोक देवि बायाँ सडक ८ मिटर र सम्बन्ध १००० मिटर पैज नं. १२	१
७. पुनर्पोक देवि सडकको बायाँ सडक हुँदै साकेला जाने सडक सडक नं. ११ (ROW - 10 m) सम्बन्ध २१०० कि.मी.	पुनर्पोक देवि बायाँ सडक ११ मिटर र सम्बन्ध १००० मिटर पैज नं. १२	१
८. बाजगढी देवि सडक पश्चिमबाट दक्षिण भएर पुग्दाको सडकको देवि कल्याणी टोल चिप्या १२ (ROW - 8 m and 10 m) सम्बन्ध ३२२० कि.मी.	हि एम सडक देवि पश्चिमबाट पुन पुनर्पोक देवि पुनर्पोक देवि बायाँ सडक ८ मिटर र सम्बन्ध १२ मिटर	२
९. सडकको बायाँ सडक नं. १२ बाट पुनर्पोक सडक हुँदै भएर पुग्दाको सडकको देवि कल्याणी टोल चिप्या १२ (ROW - 8 m) सम्बन्ध ३२२० कि.मी.	पुनर्पोक देवि बायाँ सडक ८ मिटर र सम्बन्ध १००० मिटर पैज नं. १२	१

वीरधाम  
श्री BOLTEN-GOLC JV

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विरण कुमार खत्री  
वि. प्रमुख पञ्चासकीय अधिकृत  
वि. प्रमुख पञ्चासकीय अधिकृत





ESMP for the upgradation of Sagarmatha Agriculture bazar west side south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road, Triyuga Municipality

त्रियुगा नगर क्षेत्र विकास विभाग  
सहकारी तालिम



सहकारी तालिम विभाग  
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सहकारी तालिम विभाग

८१



त्रियुगा नगर क्षेत्र गरिने निर्माण सम्बन्धी मापदण्ड तयार गर्ने टोली:

१. श्री बन्दिन्द्र महादुर विष्ट  
क्षेत्रीय निर्देशक, आवास तथा वा.वि.वि.  
पूर्वाञ्चल क्षेत्रीय निर्देशनालय  
धनकुटा
२. श्री महेश चन्द्र न्यौपाने  
इन्जिनियर, जिल्ला विद्युत समितिको कार्यालय  
उदयपुर
३. श्री कोपनाथ अधिकारी  
इन्जिनियर, जिल्ला आवास तथा शहरी विद्युत कार्यालय  
उदयपुर
४. श्री इन्द्र देव चौधरी  
ओभर सिपर, त्रियुगा नगर पालिकाको कार्यालय  
उदयपुर
५. श्री केशव गाय कट्टेल  
इन्जिनियर, आवास तथा शहरी विद्युत विभाग  
पूर्वाञ्चल क्षेत्रीय निर्देशनालय  
धनकुटा



## भूमिका (Preface)

श्री ५ को सरकारबाट वि.सं. २०५२ साल चैत १६ गते मंडल गाईघाट नगर वि.सं.मा  
समाप्ति क्षेत्रभित्र दिन प्रति दिन बढ्दो घना जनआवासी, उद्योग-व्यापार्य र व्यापारमा  
समाप्ति तथा संचारका साधनहरूको विकास, आधुनिक वैज्ञानिक साधनहरूको दक्षी उपयोग, शिक्षा,  
स्वास्थ्य जस्ता सामाजिक पक्षको उन्नती जस्ता कारणले यस क्षेत्रका आर्थिक तथा सामाजिक  
सुविधाहरूलाई प्रत्यक्ष प्रभाव पार्न सक्ने सुरा सर्व विदित छ । यतरी मानव सभ्यता र सभ्यता  
समाप्त सामाजिक, आर्थिक सम्पूर्ण क्षेत्रमा नै आउने परिवर्तनले हाम्रा गाई घाट चर एवम्  
वेन्द्रहरू जगशः शहरीकरण तर्फ उन्मुख हुने जाने क्रम बढ्दै गएको वर्तमान परिस्थिति विषय  
को नगर वि.सं. समिति पनि पर्दछ ।

बढ्दो शहरीकरणले कतिपय सुराहरूमा जनआवासीलाई हित पुग्ने सक्ने नसक्ने पनि  
अव्यवस्थित वसोवासका कारण फोहरमैला दग्ने, दिङ्गली, सुरसंचार, उल नियन्त्रण, बढ्दो निर्माण  
आदि जस्ता भौतिक पूर्वाधारहरू तयार गर्ने सन्दर्भमा विविध समस्याहरूले समाप्तिमा आउने  
समाप्तिहरूलाई नै विगान्न सक्ने हुदा त्यस्ता दिङ्गलीहरूलाई समाप्तिमा नै निराकरण गर्नु  
आवश्यकता देखिन्छ । समाप्ति क्षेत्रभित्र नगर वि.सं. समिति, नगर पालिका, पेशागत सघ सघ, इन्जिनियर,  
समाप्तिमा व्यापार समाप्त सर्वाधारहरू समेतबाट सकारण राम्रै सुझावहरूलाई आधार मानि  
विरक्त छरफन्त र महान अध्ययन पश्चात प्रस्तावित भू-उपयोग क्षेत्र र सडक तथा सभ्य निर्माण  
आवश्यकता तयार पारिएको छ ।

समाप्तिमा थप कार्यमा सहयोग गर्ने सम्पूर्ण व्यक्तिहरू धन्यवादको पात्र हुनुहुन्छ ।







**त्रियुगा नगर क्षेत्रीय गरिने निर्माण सम्बन्धी मापदण्ड**

सब मापदण्डको अन्तर्गत न्यूनतम मापदण्ड परिभाषणा भएकै अवस्थामै स्थितिमा अवस्थित गर्ने जग्गा (Means of access) खुला भाग (Open Space) निर्माण गरिने प्लट (Plot) को लम्बाई, चौडाई र उचाईको सिमाहरूसँग सबै पार्किंग तथा बस निर्माण सम्बन्धी सम्पूर्ण आवश्यकताहरूलाई नभेट्ने प्रयास गरेका हुने छ ।

**परिभाषा:**

विषय वा इलाकाको अर्को अर्थ नसार्नेगरी यो मापदण्डमा प्रयोग भएका निर्दिष्टित शब्दहरूको निम्न अर्थ जनाउने छन् ।

**भवन वा निर्माणको उचाई:**

समतल छाना (Flat Roof) को हदमा तलको सामान्यतया सतहबाट भवन वा निर्माणको माथिल्लो सतहसम्मको उचाई वा सम्बन्धित अक्षरसहित गोली लिए वर्गोन्नतको उचाईलाई स्वीकृत उचाई मानिने छ ।

**करपेट एरिया (Carpet Area):**

कुनैपनि तलको तलको हुने कोठारको क्षेत्रफललाई करपेट एरिया मानिने छ ।

**छाँडिएको क्षेत्रफल (Covered Area):**

कुनैपनि इलाकाको निर्माणमा परिभाषित गरी भन्दा तलको तलको हुने भागलाई छाँडिएको क्षेत्रफल मानिने छ ।

**खुला भाग (Open Space):**

प्लटको कुनै एउटाको भागलाई खुला भाग मानिने छ ।

**तला (Storey):**

भवनको पूर्व देखि विभिन्न विषयको भागलाई तला मानिने छ ।

**वास्तविक क्षेत्र (Residential Area):**

यो क्षेत्र वास्तविक रूपमा हुनेछ र यसको क्षेत्रमा सेवा संस्थाहरू बित्ता गर्न सकिने छ । यो क्षेत्रमा बाटो, बस, ट्रेकिंग, यातायातका अन्य सम्बन्धी कार्यहरू गर्न सकिनेछन् ।



**भन्दा (Staircase):**

भन्दाको मुनतम चौडाईहरू निम्नानुसार हुनुपर्नेछ:

क) आवासीय भवन (घरहरू)	.....	०.९० मी.
ख) आवासीय (होटल भवनहरू)	.....	१.५० मी.
ग) मानिसहरू जम्मा हुने (अडिटोरियम, गाभर, सिनेमा घर आदी) भवन	.....	१.५० मी.
घ) शैक्षिक भवन	.....	१.५० मी.
ङ) सस्थायत भवन	.....	२.०० मी.
च) अन्य भवनहरू	.....	१.५० मी.

**छुटकिन्ता (Step) को चौडाई (Tread):**

आवासीय भवनहरूको लागि छुटकिन्ताको चौडाई २५ से.मी. र अन्य भवनहरूको लागि ३०.० से.मी. भन्दा कम हुनुहुँदैन। एउटा फ्ल्याईटमा कम्तीमा (Step) संख्या १२ वटा र बढीतमा ३ वटा हुन सक्नेछ।

**छुटकिन्ता (Step) को उचाई (Riser):**

(Riser) को उचाई १५-१९ से.मी. सम्म हुन सक्नेछ।  
 दसदेको सख्या एउटा फ्ल्याईट (Flight) मा कम्तीमा १३ वटासम्म हुन सक्नेछ।  
 देह्लो (Waist Slab) को ढलान २५° देखि ४२° सम्म हुनु पर्नेछ।

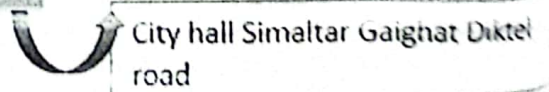
**लिफ्ट (Lift):**

भवनको उचाई ४ (चार) वटा भन्दा धेरै कम हुनु पर्ने भएमा लिफ्टको व्यवस्था गर्नुपर्नेछ।

- क) सडकको लागि छोड्नु पर्ने जग्गा (साइड अफ वे):  
 सडकमाथि सडकको लागि सडक एनले ताँको समोजिम हुनेछ।

**१.९ बाहरी चक्रपथ (Outer Ring Road):**

भद्राचारी - चुहाटे - जलशरी - देहली - श्रीपुर - भगाहा - पाप - भुल्के - टीकपुरको - मित्तनथोक -  
 फौजारा - किरानपुर - वेहदमा - बनारी - शिव मन्दिर - मोदी - रामाटे - रामाहास - साईलोसा -  
 सन्धी हुने बाह्यचक्रपथको भण्डारको लागि:



**साईट अफ वे (Right of Way):**

सडकको चौडाई देखि दुई सार्फ	.....	१०.५० मी.
सडकको सडकको धरम विषयको	.....	.....
दुई (Between building lines)	.....	.....

पानी ट्यांक, पाराघेट घाट, भन्दाट छोपना लागि बनाईने उचाई घाटेक निर्माण गर्न सकिने अधिकतम उचाई-१२.२० मीटर ।

६.२ **बिभी चक्रपथ (Inner Ring Road).**

यसि बजार गैरुन . भिक्तकेटोत . दिपु चौक . राजायास . गाईघोसा . सरस्वती . नया अड्डा . पहाडः चौक . अत्तजाने . चुमारी चौक . देउरी . तैरजोही चौका . भन्के . यमाहा चौक . घांती भडा . त्रियुगा कन्जवेवाट गाईघाट बजारको मुख्य चौक हुने . धरणी बजारसम्मका चक्रपथको लागि:

सडक केन्द्र रेचा देखि दुवै तर्फ ..... १०/१० मीटर  
 सेट व्याक ..... २/२ मीटर दुवै तर्फ  
 पानी ट्यांक पाराघेट घाट, भन्दाट छोपना लागि बनाईने उचाई घाटेक निर्माण गर्न सकिने अधिकतम उचाई-१२.२० मीटर

६.३ **रेडियल रोड (Radial Roads):**

- जिल्ला सदरमुकामवाट बाहिरि चक्रपथसम्म जोड्ने सडक ।
- मेन चोकवाट रगत जयन्ती चोकहुदै उत्तर दिक्क मन्दिरसम्म जाने सडक ।
- गाईघाट बजार मुख्य चौक देखि पूर्व असारि जाने सडक ।
- भोलीगडा चौक देखि पूर्व भुक्तोसम्म जाने सडक ।
- नगर क्षेत्र बिन्द्रो सगरमाथा राजमार्ग ।
- गाईघाट बजार देखि बजारसम्म ।
- गाईघाट बजार दोहरी हुदै कल्या चौकासम्म
- सडकको केन्द्र रेखावाट दुवै तर्फ - ८/८ मीटर
- सेट व्याक २/२ मीटर दुवै तर्फ
- पानी ट्यांक, पाराघेट घाट, भन्दाट छोपना लागि बनाईने उचाई घाटेक निर्माण गर्न सकिने अधिकतम उचाई-१२.२० मीटर ।

६.४ **साटा सडक (आर्टेरियल रोड):**

- चक्रपथ वा रेडियल सडकवाट बिभिन्न भू-उपयोग क्षेत्र जोड्ने सडक ।
- सडकको केन्द्र रेखावाट दुवै तर्फ १/१ मीटर
- सेट व्याक १/१ मीटर दुवै तर्फ

बिभिन्न भू-उपयोग क्षेत्र तथा स्थान:

औसतमै क्षेत्र ..... यमाहा र भीपु  
 बजार क्षेत्र ..... त्रियुगाको किल्ला चौक/गाईघाट देउरी/अत्तजाने/देउरी ९९  
 म./भुक्तो/यमाहा/धोबरी/धरणी ।

- भावास क्षेत्र - घोस्ने दात मन्दिर भएको ठाउँबाट उत्तर पूर्व गेहना क्षेत्र/  
रात्माटे/पुरानो गाईघाट
- बासपाके क्षेत्र - मल्खा बाघको उत्तर/शिव मन्दिरको छेउ ।
- हाट बजार क्षेत्र - हवाई फ्लिडको जग्गा ।
- मुन्दी/भण्डी बजार - हातको छति बजार क्षेत्र ।  
देउरीमा पुरानो गा.वि.स. भवनको दक्षिणपट्टि पोखरी जस्तो ठाउँ

धुला क्षेत्र (Open Space): भित्तपोक देखि दक्षिण फर्सेट छोला देखि पूर्व क्याम्पस देखि  
परिपम जंगल भन्दा उत्तरको क्षेत्र ।

स.साना धुला क्षेत्र: जित्ता दिवस समितिको दक्षिणपट्टि मन्दिरलाई पुग्ने गरि  
घुम्ने रहेको जग्गामा ।

पुर्वाघाट क्षेत्र - मोतिपहा पन्थाल खोरिया  
जतजले बजार देखि माथिको हाडो (रतनपुर हाडो)  
- बन्दी (वि.न.पा. १२ र ४ अन्तरी/धार्मिक क्षेत्र)

मुटु, अरान्त र आपाहलको लागि श्वास क्षेत्र: बगाहाको सालघारी (परमानन्दको घर  
अगाडी बाटो देखि तलतिर) -

मुर्दाघाटको स्त - त्रिभुवा कजले भन्दा एक कि.मी. तल/चपनमा डा. रनेश्वर  
खोरिया

रसशाला - वि.न.पा. ७ मुल्के

हमिपट्ट साईट - जतजले भन्दा दक्षिण पश्चिम जंगलमा भन्दा जस्तो ठाउँ  
रतन क्याम्पस - घुहाडे देखि जतजले साईडको बिचमा/भण्टावारी/बोक्ने छेउजुपुर/  
गाईघाट बजार, देउरी/भुगरकुवा ।

धुला क्षेत्र - साँसघारी एरिया/अन्तरी/पैरन/रसिपुर/घुहाडे १४ नं. बाटो  
बायाँ बायाँ बायाँ  
क्षेत्र: छेउजुपुर/होरने/धौती/छेउजुपुर/पातदेवाम ।

#### ५.४ सञ्चालन सडक (Connector Roads):

साँसघारी अन्तरी, वि.न.पा. १२, रसिपुर सडकबाट र आर्टिभल सडकसम्म मध्ये  
धुला क्षेत्र दक्षिणतर्फ जोड्ने सडक ।

सडकको चौडाई ..... १० मीटर

वेड अन्तरी ..... १.१ मीटर सडकको चौडाई



Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road

- पानी ट्याक, पारपेट बल, भन्सार छेपेका लागि बजारमा टुप्पाको बाहेक निर्माण गर्ने नदिने अंतिम रूपमा ..... १.२० मीटर
- पत्रपुर पोस्ट रैथि बाती टोला हुने पारपेटे जाने गडक ।
  - पत्रपुर पोस्ट रैथि टोला टोला हुने बजार गति गम जाने बाटो ।
  - डि.एम.सेट रैथि रीपपारुवाट टुप्पा सुनिमा पोस्ट . पुरानो माईघाट . बजारमा प्रा.वि . त्रिपुर प्रा.वि हुने बेहदमा गम जाने बाटो ।
  - पुत्रादेवाट भन्सारको हुने मुकुंसीगम जाने बाटो ।

(१) शहरी सडक (Urban Road)

एउटा आवागमन तथा व्यापारिक क्षेत्रमा शहरी आवागमन क्षेत्र वा व्यापारिक क्षेत्रमा जोडने सडक ।

सडकको चौडाई ..... १ मीटर  
 गेटे प्वाक ..... १.११ मीटर सडकको दुबै तर्फ

पानी ट्याक, पारपेट बल, भन्सार छेपेका लागि बजारमा टुप्पाको बाहेक निर्माण गर्ने नदिने अंतिम रूपमा ..... १.२० मीटर ।

- बाबरी रैथि उत्तर टोला . दुबै टोला हुने बाबरीसम्म जाने बाटो ।
- बाबरी बाटो . बजार प्रा.वि. हुने गमगम ।
- बाबरी बाटो हुने हुने पुरानो माईघाटमा निम्ने गडक ।
- माईघाट स्थित उत्तरमाट पत्रपुरको कोने स्थित नन्दिगम
- बाबरी बाटो स्थित रैथि माईघाटबाट उत्तर तर्फ पुरानो बाबरी हुने जाने बाटो गम ।
- रैथि बाबरीको पारपेट सुनिमा पोखरा गम ।
- टुप्पा पोस्ट रैथि रैथि सुनिमा टोला हुने पोस्टे टोलासम्म जाने गडक ।
- मिठी लडाट पूर्व गम टोला हुने पत्रा टोलासम्म जाने बाटो ।
- डि.एम.सेट रैथि रैथिमा सुदूरमा डिभिजनीसम्म जाने बाटो ।
- माईघाटबाट गमगम जाने बाटो ।
- माईघाटबाट नि.मा.वि. सुदूरमा रैथिमा पोखरी टोलाबाट टुप्पा टोलासम्म रैथिमासम्म पोखरीमा निम्ने बाटो ।
- रैथिमा पोखरीबाट रैथिमासम्म जाने बाटो ।
- पुरानो टोला बाबरी पूर्व उत्तरबाट पत्रासम्म जाने गडक ।

Fulchowk PG Chowk Road Betetole Triyuga Corridor section

Babarani DM Gate Road Section

(२) सीमा सडक (Cercive Road).

समाधि क्षेत्रमा सडकबाट सीमा क्षेत्रमा जोडने सडक ।

सडकको चौडाई ..... ४ मीटर  
 सडकको टाढा चौडाई ..... २० मीटर







१०. छटेरी बिक्रम भई सो उपभोग गर्न आउने जनसमुदायका लागि आवश्यक पर्ने सामुदायिक सेवा र बाध्यरूपत पूर्वाधारहरूको व्यवस्था तथा निजी क्षेत्रका जग्गा विवरणहरूलाई पालना गर्नुपर्ने मापदण्ड तथा सातारण: दुईवटा व्यक्ति, पर्ना, सप, कसले पी १ को तरदारबाट वा छरिद गरि श्रवणमा पन्तर विवरण (Planning) गरि जनसमुदायलाई बेध विवरण गर्नका लागि त्रियुगा पूर्वाधार कार्यक्रमको व्यवस्था गरि नगर विवरण समितीद्वारा स्वीकृती लिई बेध विवरण गर्न साबनेछ ।

**उपेरा माध्यमको खोदाई र सम्बाई:**

उपेरा माध्यमको खोदाई (मी.)	उपेरा माध्यमको सम्बाई (मी.)
५.०	५०.०
१.०	२००.०
८.०	१०००.०
११.०	१०००.० भन्दा माथि

- City Hall Ramchandra Basnet house Road
- Gaighat Shivalay tole-Adarsha tole-ramailo danda manmohan school to karang achhi diktel connecting Road

Pragan tole kha (Quarter front) ko road to sakela road

- निजी क्षेत्रका जग्गा विवरणहरूलाई नगर विवरण समितीले दमिकरण गरेको भू-उपयोग क्षेत्र गर्ने आवश्यक क्षेत्र विवरण मात्र जग्गा विवरण साबनेका नगर विवरण समितीको स्वीकृती लिई गर्नु पर्नेछ ।
- प्रत्येक छटेरीको क्षेत्रफल ५.०५ (२ आना २ पैसा) छुट्टै भन्दा कम हुने गरि जग्गा टुक्र्याउन पाईने छैन ।
- छटेरीको खोदाई कमितीमा १ मीटर हुनु पर्नेछ ।
- नुनमान मीठोको पूर्वाधारको जस्तै प्रत्येक छटेरीमा पुग्ने टन्टालिन (Gravel) पटो सजाई पर्ना विवरणको लागि खोदाई काला (Strom drain) को व्यवस्था गर्नु पर्नेछ ।
- कटक्का खानेपानीको लागि मि.आई. माईथ खोदाईको कार्य गर्नुपर्ने छ ।
- यदि आवश्यक भएन भने निर्माण गरि पर्ने बाध्यरूपलाई बेध विवरण गर्ने भन्दा प्रत्येक पटोको बाध्यरूपको क्षेत्रफल ०.०५ अठ्ठण्ड कम हुन पाउ भएन विवरण गर्न पाउने छ ।

१०.१ निजी क्षेत्रका जग्गा विवरणहरूलाई जग्गा विवरण साबनेका कसलेका सजाई विवरण साबनेका लागि त्रियुगा पूर्वाधार कार्यक्रमको लागि त्रियुगा पूर्वाधार हुनु पर्नेछ ।

- माथिलेख कुनै क्षेत्र (बाई, गैतबुद, गैतान, गाँवाली क्षेत्र, काठमाडौं क्षेत्र) जग्गा जग्गाको ५० - ५५%
- माथिलेख क्षेत्र (काठमाडौं) जग्गा जग्गाको ५५ - ६०%
- माथिलेख क्षेत्र (काठमाडौं) तथा माथिलेख क्षेत्र (काठमाडौं) जग्गा जग्गाको ५ - ५%



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



पय संख्या: ०८०८१  
पलासी बजार :-

## त्रियुगा नगरपालिका



☎ ०१५-५२०१०८  
पता: ५२०१०८  
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 वसन्त कुमार बस्नेत ज्यूको अध्यक्षतामा बस्नेत बैठकले विद्युत 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 सुमन्त कोइराला, वडाध्यक्ष वडा नं. ११
२. सदस्य: श्री पित्तन 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 जर्मिला बि.क वडासदस्य वडा नं. १०
६. सदस्य: श्री निला काक्री ढोली वडासदस्य वडा नं. ११
७. सदस्य: श्री राम कर्ती विशर्मा वडासदस्य वडा नं. १२
८. सदस्य: सामाजिक सुरक्षण/वतावरण विशेषज्ञ/सुपरभिजन इन्जिनियर (DSC)

बसन्त कुमार बस्नेत

नगर प्रमुख

वसन्त कुमार बस्नेत  
नगर प्रमुख





Letter regarding Anti-Harassment Cell



पत्र संख्या १००१/०६०  
मिति ३०१२

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



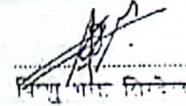
०६६-४३०१०६  
www.triyugamun.gov.np

मिति: २०६०/०३/१७

विषय : सम्पर्क व्यक्ति (Focal Person) तोकिएको ।

अधिकतस्त र सार्ती, श्री राजकुमार खड्का (९८५२८३९६००)  
सामाजिक विकास शाखा प्रमुख,  
त्रियुगा नगरपालिका, गाईघाट, उदयपुर ।

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

  
त्रियुगा नगरपालिका

प्रमुख प्रशासकीय अधिकृत

बोधार्थ

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

प्रमुख प्रशासकीय अधिकृत

Email: [info@triyugamun.gov.np](mailto:info@triyugamun.gov.np)  
[Triyuga.mun@gmail.com](mailto:Triyuga.mun@gmail.com)



ESMP for the upgradation of Sagarmatha Agriculture bazaar with Madan Bhandari Hall to Janpremi tole  
Bisanpur ward 12 Road, Triyuga Municipality

## Public Notice for ESMP Preparation



पञ्च संख्या :- ०८०१०८१  
पञ्चाङ्गी बजार :-

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

☎ ०१५-४९०१०८  
फ्याक्स ४९०१८५  
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. १२ र १३ स्थित पर्ने दोस्रो 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 सूचित गरिन्छ।

अन्तरकृया हुने मिति र स्थान :

मिति : २०८०/०६/२६

समय : बिहान ११:०० बजे

स्थान : त्रियुगा नगरपालिका सभाहल

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

Notice related to GRM



# त्रियुगा नगरपालिका

## नगर कार्यपालिकाको कार्यालय

☎ ०१५-५२०१०८  
फ्याक्स ५२०१८५  
triyuga.mun@gmail.com

एस संख्या :- ०८०१०८१  
पलासी बजार :-

गाईघाट, उदयपुर  
कोशी प्रदेश नेपाल

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 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 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 बाटोहरूको कुल लम्बाई १४.५ किलोमिटर भएको सडक खण्डको निर्माणका अवधिमा आउने गुनासाहरूको अध्ययण गरी स्थानिय स्तरमानै समाधान गर्न आयोजना स्तरमा वडा ११ का अध्यक्ष श्री सुमन्त कोइराला ज्यूको संयोजकत्वमा निम्न उल्लेखित व्यक्तिहरू रहेगरी एक गुनासो सुनुवाइ समिति (GRC) गठन गरीएको बारे सम्बन्धित सबैलाई जानकारी गराईन्छ । साथै आयोजना सम्बन्धि कोहिकसैलाई कुनै गुनासो भए उल्लेखित गुनासो सुनुवाइ समितिमा मौखिक वा लिखित रूपमा जानकारी 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 उरमिला बि,क वडासदस्य वडा नं. १०
६. सदस्य: श्री निला काक्री डोली वडासदस्य वडा नं. ११
७. सदस्य: श्री राम कली विरकर्मा वडासदस्य वडा नं. १२
८. सदस्य: सामाजिक सुरक्षण/वतावरण विशेषज्ञ/सुपरभिजन इन्जिनियर (DSC)

श्री. शैलेन्द्र कुमार मण्डल

शहरी पूर्वाधार विकास शाखा  
श्री. शैलेन्द्र कुमार मण्डल  
इति/अ/नियार



*(Signature)*

प्रस्ताव  
१. लेबर क्याम्प सुरुवात ।

निर्देश

प्रस्ताव नं-१ मागी बाजारपालिकाको माथ तिरिया  
बाजारपालिका भित्र पर्ने पादिलो र दोस्रो प्राथमिकतामा  
पर्ने खास आयोजनाको कार्यान्वयनको समयमा लेबर  
क्याम्पको आवश्यक पर्ने भएकाले उक्त लेबर क्याम्प  
सुरुवातको लागि आवेदनमा पर्ने रज्या पर्ने तिरिया नगरपालिका  
का वडा नं-१३ स्थित बडेको बसवा कक्षाकोठामा  
सुरुवाती खाली जग्गा रहेको हुदा उक्त खाली जग्गामा  
लेबर क्याम्प सुरुवातको समयमा मन्डारवा गर्न दिने निर्देश  
गर्नेछौं ।

*(Signatures)*



ESMP for the upgradation of Sagarmatha Agriculture bazar west to south side of Bhandari Hall to Janpremi tole  
Bisanpur Ward 12 Road, Triyuga Municipality



पत्र संख्या :- ०८०१०८  
पञ्चासी बन्धुर :-

## त्रियुगा नगरपालिका

गोर्खाट, उदयपुर  
कोशी प्रदेश नेपाल

☎ ०१५- ४२०१०८  
फ्याक्स ४२०१८५  
triyuga.mun@gmail.com

मिति:- २०८०/०८/१८

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

यस त्रियुगा नगरपालिकामा विद्युत बैंकको आर्थिक सहयोगमा नेपाल शहरी शासकिय तथा पूर्वाधार आयोजना (NUGIP) मार्फत स्तरोन्नति हुन लागेको यस उदयपुर जिल्ला त्रियुगा नगरपालिका वडा नं. १०, ११, १२, १३ मा पर्ने पहिलो र दोस्रो प्रयोजनमा परेका १४.५ किलोमिटर सडक खण्डको निर्माणको लागि तपशिल बमोजिमको ठाँउ उपलब्ध गराइने व्याहोरा जानकारी गराइन्छ। तपशिल

१. Camp Site , Stockpile, Solid waste Management, Workshop, Concrete Batch Plant - बरुवा बस पार्कको उतर तर्फको नगरपालिकाको खली जग्गा।
२. Quarry Site Borrow Pits - त्रियुगा र बरुवा खोला 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

Municipal executive decision about IEE of Quarry site Approval

१ १० ११

बैठक संख्या नं. १९९

भाज मिति २०८०।०५।०९ गते सविबार्का दिन त्रियुगा नगरपालिकाका नगर प्रमुख श्री बसन्त कुमार बस्नेतज्यूको अध्यक्षतामा तपसिल बमोजिमका भद्रा अध्यक्ष तथा कार्यपालिका सदस्यज्यूहरुको उपस्थितिमा नगर कार्यपालिकाको आकस्मिक बैठक भएको ।

उपस्थिति

सि.नं.	नामथर	पद	दस्तखत
१	श्री बसन्त कुमार बस्नेत	नगर प्रमुख	
२	श्री भोलेधरी राई	नगर उपप्रमुख	
३	श्री मनोज कुमार चौधरी	बडा अध्यक्ष बडा नं. १	
४	श्री धमान सिंह खत्री	बडा अध्यक्ष बडा नं. २	
५	श्री तिलक बहादुर कटुवाल	बडा अध्यक्ष बडा नं. ३	
६	श्री बन्दी बस्नेत	बडा अध्यक्ष बडा नं. ४	
७	श्री उदय कुमार थापा	बडा अध्यक्ष बडा नं. ५	
८	श्री योगेन्द्र बहादुर दाहाल	बडा अध्यक्ष बडा नं. ६	
९	श्री अमर बहादुर दनुवार	बडा अध्यक्ष बडा नं. ७	
१०	श्री राज कुमार राउत	बडा अध्यक्ष बडा नं. ८	
११	श्री राज कुमार दनुवार	बडा अध्यक्ष बडा नं. ९	
१२	श्री किरण पाण्डे	बडा अध्यक्ष बडा नं. १०	
१३	श्री सुमन्त कोइराला	बडा अध्यक्ष बडा नं. ११	
१४	श्री अनिता थापा	का.धा.बडा अध्यक्ष बडा नं. १२	
१५	श्री नबिन कुमार चौधरी	बडा अध्यक्ष बडा नं. १३	
१६	श्री किम राज नगर	बडा अध्यक्ष बडा नं. १४	
१७	श्री गणेश प्रसाद तिम्लीना	बडा अध्यक्ष बडा नं. १५	
१८	श्री मान बहादुर राई	बडा अध्यक्ष बडा नं. १६	
१९	श्री विमान राई	कार्यपालिका सदस्य	
२०	श्री डिल्ली मेर राई	कार्यपालिका सदस्य	
२१	श्री बलदेव विश्वकर्मा	कार्यपालिका सदस्य	
२२	श्री गीता कुमारी उप्रेती	कार्यपालिका सदस्य	
२३	श्री रेखा थापा मगर	कार्यपालिका सदस्य	
२४	श्री रेणुका श्रेष्ठ	कार्यपालिका सदस्य	
२५	श्री सुनिता गजमेर	कार्यपालिका सदस्य	
२६	श्री कुन्ती परियार	कार्यपालिका सदस्य	

सचिव

श्री विष्णु भक्त शिम्बेल

प्रमुख प्रशासकीय अधिकृत





ESMP for the upgradation of Sagarmatha Agriculture bazar west to south Mudan Bhandari Hall to Janpremi tole  
Bisanpur ward 12 Road, Tryyuga Municipality

१४	अनिता दनुवार	का.स.	भा.स्वा.से.के.साहिबखोला	६ वर्षीय
१५	इन्दिरा बि.क.	का.स.	भा.स्वा.से.के.सैयन	४ वर्षीय
१६	कमला भ्रावार्थ	का.स.	भा.स्वा.से.के.सकिला	४ वर्षीय
१७	कमलक भद्रराइ	का.स.	भा.स्वा.से.के.मुढाथोडी	१ वर्षीय
१८	शुभ कुमारी राइ	का.स.	भा.स्वा.से.के.थरुहवा	२ वर्षीय
१९	उमा कुमारी चुडाथोडी	का.स.	भा.स्वा.से.के.करमागछी	२ वर्षीय
२०	मरणमति राइ	का.स.	स्वास्थ्य चौकी साउने	२ वर्षीय
२१	तारा तामाङ मास्वी	का.स.	भा.स्वा.से.के.बाजगर	३ वर्षीय
२२	कुमारी राइ	का.स.	स्वास्थ्य चौकी धिताउने	४ वर्षीय
२३	विजय घन्टापुर भगत	का.स.	भा.स्वा.से.के.जति	६ वर्षीय
२४	छस्तीनाया प्रजा	का.स.	भा.स्वा.से.के.सुकोरा	४ वर्षीय
२५	कमला भुषिजारी	का.स.	भा.स्वा.से.के.सुकोरा	३ वर्षीय

स्वीपर:

सि.न.	नाम थर	पद	कार्यरत संस्था	वैयक्तिकता
१	राजेश मरिक्	स्वीपर	स्वास्थ्य शाखा	४ वर्षीय
२	नितु मरिक्	स्वीपर	स्वास्थ्य चौकी जोगीदह	२ वर्षीय
३	ललिता मरिक्	स्वीपर	स्वास्थ्य चौकी देउरी	४ वर्षीय
४	डधरी सदा	स्वीपर	स्वास्थ्य चौकी भुमरसुबा	४ वर्षीय

निर्णय नं. ४८३

चिन्मना नगरपालिकाको मुख्य आन्तरिक स्रोतको रूपमा रहेको चिन्मना, बरुवा र मुनकोशी नदिको नदिकूल स्रोतको विकास गर्न सकारणको लागि प्रारम्भिक आवागमनीय परियोजना (IEE) स्वीकृत गर्नु पर्ने प्रावधान रहेकोमा बुझाएकै अवधिमा सोलुनगरपालिका, विराटनगरसँग IEE को लागि कार्यालयबाट सम्झौता भएकामा सो फर्मबाट परामर्शको लागि निर्णय गरिने तथा IEE को तयार पारिएको परियोजना स्वीकृत गरी विराटनगरबाट टेन्डर प्रक्रियाको लागि आवश्यक व्यवस्था गर्ने कार्यालयबाट निर्देशन दिने निर्णय गरियो ।

मुद्रित

उत्पन्न क्षेत्र / प्लॉट नं.	क्षेत्र	भारतीय विमानन कमीशन		भारतीय विमानन कमीशन	भारतीय विमानन कमीशन	भारतीय विमानन कमीशन
		नागरिक विमानन कमीशन	शेखरवासी कमीशन			
१	मुकान पुरवा (बाइसपाटा)	३१५८२	०.९	२८६०३.८	४१३६६	३४ २१३३३
२	हिन्की	४१६४४	०.८	४१३३३.३	२०६६१६	४६ ४०४४४
३	साकेला	४१३०८	०.९	४६९००.३	२३०८८६	८४ ४३३३३
	जम्मा	११४५३४		११६९०८.३	४३०८८६	१६३ ४४७७७

क्र.सं.	उत्पन्न क्षेत्र / प्लॉट नं.	प्रकारण १: घरबासोसा / सुनकोशी नदी					
		कुल	प्रायत	वापुजा	माटी	समुदायगत घरबासोसा	अन्य
१	मुकान पुरवा (बाइसपाटा)	३१५८	६३४७	-	-	२३४६३.३८६४	४१०४०२६४
२	हिन्की	३२०४	२०२७४	-	-	४००४६३.४४	४००४६३.४४
३	साकेला	४६९.६	२३३१९	-	-	११९०४६.४४	११९०४६.४४
	जम्मा	४८६३४	४८६३४	-	-	४८६३४	४८६३४


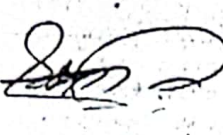





पत्रांक नं. २: त्रिपुरा खेती

उत्खनन क्षेत्र / प्लॉट नं.	क्षेत्र	वार्षिक विकास राशिने		वार्षिक जमा हुने घ.मि.	दिगो रूपमा, वार्षिक विकासन राशिने नापजीव घ.मि.	दिगो रूपमा दैनिक विकासन राशिने नापजीव घ.मि.
		नापजीव क्षेत्रफल वर्ग मि.	गहिराई मि.			
१	कोले	३८१०	०.६	२२९१४	११४४७	४२४३
२	उत्तरार्द्ध टोल	४७२५	०.४	२३६३८	०४४४.२	३४०१
३	देउरी	१९७७	०.६	११८७८.२	४७१.२८	१०४९
४	फसट देशी त्रिपुरा वसणक	२२४४६	०.६	१२४७३.६	४३८९.४६	१९२६
५	त्रिपुरा नुहाले दोभान नातभित्ति त्रिपुरा-देवगी खेला दोभान)	४२९६९	०.४	२६४८४.४	१०४९३८	३९२३
६	जेगिरहा त्रिपुरा कंग दोभान)	८४८७७	०.४	४२९२९.४	१७१७.८	६३४९
७	ब्रह्मा	३४३०४	०.४	१३२४३.४	१०३०१.४	६४०७
				१८४४७१.३	७९१९.९२	३२१९२





क्र.सं.	वर्ग	वर्ग क्षेत्र	मूल्य व विवरण				
			वर्ग क्षेत्र व.मि.	मूल्य व.मि.	मूल्य व.मि.	मूल्य व.मि.	मूल्य व.मि.
१	जमीन	११४४०	११४४०	-	२८३२२८	-	२८३२२८
२	उत्तरार्ध टोल	११४४०	११४४०	८१४१.२	-	-	२२००१९
३	देवरी	४०४१.२८	-	४०४१.२८	-	११४४४०	११४४४०
४	कॉन्ट्रैक्ट डेवरी	४३८९.४४	-	४३८९.४४	-	१३२२९०	१३२२९०
५	विद्युत बलवाक	१०४९३.८	-	१०४९३.८	-	-	२२९६०२०
६	विद्युत सुलभ	-	-	-	-	-	-
७	देधान	१०४९३.८	-	१०४९३.८	-	-	२२९६०२०
८	सालभित्ति	-	-	-	-	-	-
९	विद्युत-सालभित्ति	-	-	-	-	-	-
१०	खोला देधान	१०४९३.८	-	१०४९३.८	-	-	२२९६०२०
११	जोतिरहाविद्युत	१०४९३.८	-	१०४९३.८	-	-	२२९६०२०
१२	कंग देधान	१०४९३.८	-	१०४९३.८	-	-	२२९६०२०
१३	अरबा	५९१९९.९२	१३१४	२९०३८.९२	४४०६०	५९५४३०	१०२२४८४







Consultation with IPS: Chaudhary

Dear Sir, I received your letter dated 15.12.2019 regarding the above subject and I am sorry to hear that you were unable to attend the meeting held on 17.12.2019. I am sorry to hear that you were unable to attend the meeting held on 17.12.2019. I am sorry to hear that you were unable to attend the meeting held on 17.12.2019.

Agenda

1. Introduction
2. Objectives of the Bill
3. Scope of the Bill
4. Salient features of the Bill
5. Need for the Bill
6. Impact of the Bill
7. Conclusion

Concluding Remarks

The Government of Karnataka is pleased to have your views on the Bill. The Government of Karnataka is pleased to have your views on the Bill. The Government of Karnataka is pleased to have your views on the Bill.

Yours faithfully,  
 [Signature]





FGD with Locals including Women, IPs, Dalits

Stakeholder Consultation  
 Nepal Urban Character and Infrastructure Project (NUCIP)  
 Project Municipality  
 District, Nepal

ESIA and ESMP for Sagarmatha Agriculture Base... west to south Madan Bhandari Mall to Jangpremi tole Bisnampur w rd 12 Road

Attendance Sheet of FGD

Date: 2020-11-06 Venue: जंग्रेमी टोल (पौवाद टोल) नगर कार्यालय

Sl No	Name	Organization/Title	Contact no.	Signature
1	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
2	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
3	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
4	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
5	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
6	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
7	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
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10	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]

Suggestions/Recommendations

- 1) काठमाडौं नगरपालिकाबाट विद्युत लाईने गरिने कुराको बारेमा जानकारी लिनुपर्नेछ।
- 2) जो 10.0 से बढी बढी काठमाडौं नगर नि.स.मा 9.0 को मापमा चोपडा राखिने छ।
- 3) जो बढ्दो बढ्दो पारो पारो मापमा राखिने गरिने कुराको बारेमा जानकारी लिनुपर्नेछ।
- 4) जो पारो पारो मापमा राखिने कुराको बारेमा जानकारी लिनुपर्नेछ।
- 5) जो पारो पारो मापमा राखिने कुराको बारेमा जानकारी लिनुपर्नेछ।

ESIA and ESMP for Sagarmatha Agriculture Base... west to south Madan Bhandari Mall to Jangpremi tole Bisnampur w rd 12 Road, Terapya Municipality

Attendance Sheet of FGD

Date: 2020-11-09 Venue: दुर्गा विट्टी (सिन्धु क्षेत्र) नगर कार्यालय

Sl No	Name	Organization/Title	Contact no.	Signature
1	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
2	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
3	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
4	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
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7	सुदामा शर्मा	सुदामा शर्मा	9770112345678	[Signature]
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Suggestions/Recommendations

- 1) चोपडाको बारेमा जानकारी लिनुपर्नेछ।
- 2) जो पारो पारो मापमा राखिने कुराको बारेमा जानकारी लिनुपर्नेछ।
- 3) जो पारो पारो मापमा राखिने कुराको बारेमा जानकारी लिनुपर्नेछ।
- 4) जो पारो पारो मापमा राखिने कुराको बारेमा जानकारी लिनुपर्नेछ।
- 5) जो पारो पारो मापमा राखिने कुराको बारेमा जानकारी लिनुपर्नेछ।



Sl. No.	Name	Designation/Title	Contact No.	Signature
1	Dr. J. Srinivas	Principal	9849 899 801	[Signature]
2	Dr. K. Srinivas	Principal	9849 899 801	[Signature]
3	Dr. K. Srinivas	Principal	9849 899 801	[Signature]
4	Dr. K. Srinivas	Principal	9849 899 801	[Signature]
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9	Dr. K. Srinivas	Principal	9849 899 801	[Signature]
10	Dr. K. Srinivas	Principal	9849 899 801	[Signature]

ఈ రోజు సెలవు తీసుకున్న వివరాలు క్రింది పట్టికలో ఉన్నాయి. ఈ పట్టికను సరిచేసి, దయచేసి సబ్ కమిషనరుకు పంపించాలి.

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8	Dr. K. Srinivas	Principal	9849 899 801	[Signature]
9	Dr. K. Srinivas	Principal	9849 899 801	[Signature]
10	Dr. K. Srinivas	Principal	9849 899 801	[Signature]

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Name: Dr. Pravin D. Patil  
 Designation: Chief Executive Officer  
 Maharashtra State

1. एकात्मक कार्यवाहीची प्रक्रिया सुधारणेबाबत कार्यवाही करणेबाबत सूचना देणे।
2. एकात्मक कार्यवाहीची प्रक्रिया सुधारणेबाबत कार्यवाही करणेबाबत सूचना देणे।
3. एकात्मक कार्यवाहीची प्रक्रिया सुधारणेबाबत कार्यवाही करणेबाबत सूचना देणे।

Signature  
 Date:

Name: Dr. Pravin D. Patil  
 Designation: Chief Executive Officer  
 Maharashtra State

1. एकात्मक कार्यवाहीची प्रक्रिया सुधारणेबाबत कार्यवाही करणेबाबत सूचना देणे।
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Signature  
 Date:







Municipal documents related to GBV cases

१. हिंसाको प्रकृति विवरण : २०७७-७८

क्र.स	हिंसाको प्रकार	जम्मा संख्या	वैफियत
	भारतीय हिंसा	२०	
१	भारतीय	१३	
२	बहुधियाहा	३	
३	गानीगानीज	४	
४	मानाशक यातना	२	
५	भारीधिक आरोप	६	
६	संघत सुधियाघाट घन्चितीकरण	२	
	सामाजिक हिंसा	१६	
१	कुटपिट	१	
२	गानीगानीज		
३	वाचनको आरोप		
४	जबरजस्ती धियाहा		
५	वाल धियाहा	१५	
	यौन हिंसा	३२	
१	घनात्कार	२१	
२	घनात्कारको प्रयास	२	
३	सामुहिक घनात्कार		
४	सामुहिक घनात्कारको प्रयास		
५	हाडनाता करणी		
६	यौन दुर्व्यवहार	४	
७	अलपत्र	२	
८	गर्भवती भई अलपत्र	३	
९	मानव बेचबिखन		
१०	श्रमा हत्या		
	जम्मा	७८	

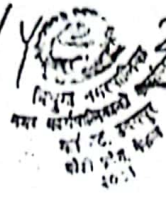


१. हिसाको प्रकृति विवरण : २०७८-७९

क्र.स	हिसाको प्रकार	जम्मा संख्या	कैफियत
>	घरेलु हिसा	१९	
१	भारिभिक	२५	
२	यहुधियाहा	६	
३	गालीगलोज	७	
४	मानशिक यानना	६	
५	धारीभिक आरोप	२	
६	स्रोत सुधिधावाट वन्चितीकरण	४	
>	सामाजिक हिसा	६	
१	कुटपिट		
२	गालीगलोज	१	
३	वाक्सिको आरोप	०	
४	जवरजस्ती विवाहा	०	
५	वाल विवाहा	७	
>	यीन हिसा	११	
१	बलात्कार	७	
२	बलात्कारको प्रयास	४	
३	सामुहिक बलात्कार		
४	सामुहिक बलात्कारको प्रयास		
५	हाडनाता करणी		
६	यीन दुव्यवहार		
७	हन्या		
८	हन्याका प्रयास		
९	मानव बेचाबिखन		
१०	धन्य, धनपत्र	११	
	जम्मा	६६ जना	



F/Y 2079186



१. हिंसाको प्रकृति विवरण

क्र.स	हिंसाको प्रकार	जम्मा संख्या	कैफियत
>	घरेलु हिंसा	६८	
१	भारिखिक	२५	
२	बहुविवाहा	५	
३	गातीगलौज	२०	
४	मानशिक यातना	१३	
५	चारीत्रिक आरोप	३	
६	स्रोत सुविधाबाट बन्चितीकरण	२	
>	सामाजिक हिंसा	५	
१	कुटुपिट	०	
२	गातीगलौज	०	
३	बोक्सिको आरोप	०	
४	जवरजस्ती विवाहा	०	
५	बाल विवाहा	५	
>	यौन हिंसा	१५	
१	बलात्कार	१३	
२	बलात्कारको प्रयास	२	
३	सामुहिक बलात्कार		
४	सामुहिक 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	

नाट सुरक्षावासाभिन्न वमर सेवा लिने संख्या ९४ र बाहिरबाट मनोबिमर्श सेवा,कानुनी सहयोग,कानुनी परामर्श,पारिवारी परामर्श जस्ता लगाएको सेवालिनैतरुको संख्या गरी जम्मा ६५ जनाले सेवा पाएका छन् भने सुरक्षाआवायमा सेवाग्राहि संग आएको आश्रित बालबालिकाको संख्या ३० जना गरी यस वर्ष १२४ जनालाई सुरक्षावासाभिन्न सेवा प्रदान गरीएको छ ।

Letter from Triyuga Small Town Water supply and Sanitation user Committee

द.न.१/०५१/०५४

फोन नं. १२,०१५-४२०२४१



त्रियुगा साना शहरी खानेपानी तथा सरसफाई उपभोक्ता समिति (संस्था)



पत्र संख्या : ०८० ०५१

मिति : २०८०/०५/२५

पत्तानी नम्बर : ४

विषय : सागण, स्टीमेन्ट गरी पठाईएको सम्बन्धमा।

श्रीमान् नगरे प्रमुख ज्यू,  
त्रियुगा नगरपालिकाको कार्यालय, गाईघाट उदयपुर

उपरोक्त सम्बन्धमा तहाँ कार्यालयको धन २५० मिति २०८० ०८ २५ को पत्रबाट  
घ्यहोरा अवगत भई NUGIP कार्यक्रम अन्तर्गत तहाँ कार्यालयबाट छनीट भएका थडा न ११ र  
१० का विभिन्न सडकहरुमा हाल सञ्चालनमा रहेका खानेपानी पाईपलाईनहरु धन मार्गका  
सडकका दारो घारो रहेकामा उक्त पाईपलाईनहरुको लागत स्टीमेन्ट गरी पठाईदिने भन्ने पत्र  
अनुसार लागत स्टीमेन्ट गराई यसै पत्र साथ संलग्न राखि पठाईएको घ्यहोरा पत्रमाथ माग्ने  
अनुरोध छ।

Handwritten signature and date: १२/०५/२५

Handwritten signature: १३/०५/२५  
श्रीमान् बहादुर खड्का  
का.या. अध्यक्ष  
का.या. अध्यक्ष

Handwritten signature and date: २५/०५/२५



ESMP for the upgradation of Sagarmatha Agriculture bazar west to south side Bhandari Hall to Janpremi tole Bisanpur ward 12 Road, Triyuga Municipality

letter from NEA for pole relocation



### नेपाल विद्युत प्राधिकरण

( नेपाल सरकारको स्वामित्व )

वितरण तथा माहिती सेवा निर्देशनालय  
कोशी प्रदेश, धरमपुरी, कैलाली, धरमपुरी, धरमपुरी  
उदयपुर वितरण केन्द्र  
गाईघाट

कार्यालय पत्र नं. ०१२.१२२६१९

प्रमाण नं. ०१२.१२२६१९

प.स.:- २०८० ०८१ च.न.:- १६६

मिति : २०८०/०९/०२

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

विषय: लागत ईस्टिमेट पठाइएको बारे ।

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

*Handwritten signature and date १२/१२*

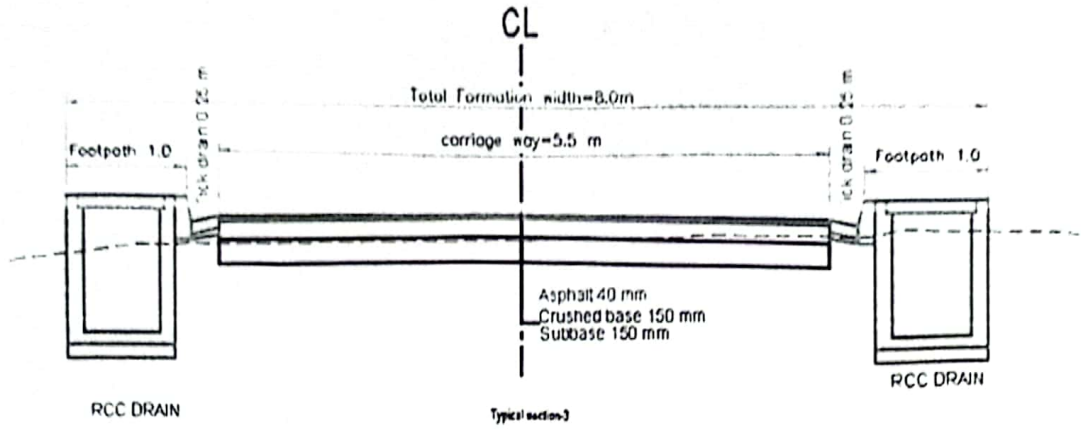
*Handwritten signature and date १२/१२*

*Handwritten signature*  
विजय बासु खत्री  
केन्द्र प्रमुख  
केन्द्र प्रमुख





### Annex III: Proposed Typical Cross Sections





ESMP for the upgradation of Sagarmatha Agriculture bazar west to Bisahara Bhandari Hall to Janpremi tole  
Bisahara ward 12 Road, Triyuga Municipality

## Annex IV: GoN Permissible Environmental limits/standards

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

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

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

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

SN	Parameters	Unit	Limits	Remarks
<b>Physical</b>				
1	Total Dissolved Solids	mg/l.	1000	
<b>Chemical</b>				
2	Calcium	mg/l.	200	
3	Lead	mg/l.	0.01	
4	Cadmium	mg/l.	0.003	
5	Chromium	mg/l.	0.05	
6	Cyanide	mg/l.	0.07	
7	Mercury	mg/l.	0.001	
8	Nitrites	mg/l.	3	
<b>Microbiological</b>				
1	Total Coliform	(CFU/10 ml)	0 (In 95% samples)	



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

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

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

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

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

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

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

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

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

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





ESMP for the upgradation of Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole  
Bisanpur ward 12 Road, Triyuga Municipality

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



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

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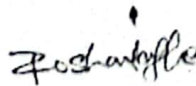
### ANALYSIS REPORT FOR AMBIENT AIR QUALITY

Report Number	26A/080-81		
Sample Number	17A/080/81		
Client	Bosphorous Technical Consulting Corp (BOTTEK), 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-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)		
<b>Result</b>			
Parameter	NAAQS	Observed Values	Method
TSP ( $\mu\text{g}/\text{m}^3$ )	230.0	164.5	IS 5182 (Part 14)-2000 (reaffirmed 2005)
PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	120.0	77.3	IS 5182 (Part -23).2006
PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	40.0	32.0	IS 5182: Part 24: 2019
SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	70.0	8.8	IS 5182 (Part 2)-2006
NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	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.

  
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**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 84°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 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 242)		
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 <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	120.0	58.4	IS 5182 (Part -23):2006
PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	40.0	14.1	IS 5182: Part 24: 2019
SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	70.0	6.3	IS 5182 (Part 2)-2006
NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	80.0	8.9	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, Indian Standard

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

*[Signature]*  
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SMP for the upgradation of Sagarmatha Agriculture bazar west to south side of Bhandari Hall to Janpremi tole Bisampur ward 12 Road, Triyuga Municipality



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**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 (BOTEK), 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-ramailo danda manmohan school to karamgachhi diktel connecting, Road Section (2.15Km), 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		59.7	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.

*[Signature]*  
Sampled by

*[Signature]*  
Checked by

*[Signature]*  
Authorized by

*[Signature]* Environment Management & Analysis Services P. Ltd



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Website: emas.com.np

**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 (BOTTEK), 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-ramaile 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)										
Hours	Time	Noise Level (dBA)			Hours	Time	Noise Level (dBA)				
		Lmax	Lmin	Leq			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	42.5	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		65.0	51.7	55.4	01:00 - 02:00		64.6	37.1	48.1		
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	42.3	49.4		
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.

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ESMP for the upgradation of Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole  
Bhanpur ward 12 Road, Triyuga Municipality



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Website: emas.com.np

## Water Analysis Report

Client: Bosphorous Technical Consulting Corp (BOTTEK), 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/080-81  
Report Date: 20 September, 2023  
Sampled by: EMAS P. Ltd.  
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)

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

Parameters	Unit	NDWQS	Observed Values	Test Methods
pH	-	6.5 - 8.5	7.2	4500-H <sup>+</sup> B, APHA, 22nd EDITION
Colour	-	5 (15)	<0.1	2120 B, APHA, 22 <sup>nd</sup> EDITION
Turbidity	NTU	5 (10)	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 <sub>3</sub>	500	68.0	2340 C, APHA, 22nd EDITION
Chloride	mg/l	250	3.2	4500-Cl <sup>-</sup> B, APHA, 22nd EDITION
Ammonia	mg/l	1.5	<0.02	4500-NH <sub>3</sub> C, APHA, 17 <sup>th</sup> EDITION
Nitrate	mg/l as NO <sub>3</sub>	50	0.5	4500-NO <sub>3</sub> -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
Arsenic	mg/l	0.05	<0.01	3114 C, APHA, 22nd EDITION
E.Coli	CFU/100 ml	Nil	Nil	9221 C, APHA, 22nd EDITION

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

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

Analyzed by

Checked by

Authorized Signature

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**Annex VI: List of Zebra Crossings**

SN	Name of the Road	Chainage	Nos.	Remarks
1	Sagarmatha_1	0+020.25	1	
2		0+121.5	1	
3		0+163.5	1	
4		0+275.25	1	
5		0+365.25	1	
6		0+413.5	1	
7		0+489.5	1	
8		0+639.75	1	
9		0+549	1	
10		0+600.75	1	
11		0+728.5	1	
12		1+146	1	
13		1+194.5	1	
14	Sagarmatha_2	0+058	1	
15		0+170.5	1	
16		0+199.75	1	
17		0+458.25	1	
18		0+496.5	1	
19		0+942	1	
20		1+011.25	1	
21		1+164.5	1	
22		1+130.5	1	
23		1+457.5	1	
24		1+502	1	
25		1+644.25	1	
26		1+579	1	
27		2+155.5	1	
28	Sagarmatha_3	0+019.983	1	
29		0+231.25	1	
30		0+359.954	1	
31		0+531.483	1	
32		0+568.685	1	
33		0+690.701	1	
34	Sagarmatha_4	0+026.5	1	
35		0+129.25	1	
36		0+236.5	1	
37		0+293	1	
38		0+520	1	
39		0+421.75	1	
<b>Total</b>			<b>39</b>	<b>Nos.</b>



**Annex VIII: Stakeholder Consultation Details**  
**Sagarmatha Agriculture bazar west to south Madan Bhandari Hall to Janpremi tole Bisanpur ward 12 Road**

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/05/07	FGD	Saraswati Mahatara, and other Raudidas tole members	<ul style="list-style-type: none"> <li>Very poor condition of the existing road and very difficult for the pedestrians.</li> <li>No any environmental and social issues.</li> </ul>	We clearly told them that the work will be completed on time. Environmental issues will be address properly during the construction phase.
2080/05/10	FGD	Keshab Prasad Pokhrel and other member of, Hawaifield tole bikas, Ward-13	<ul style="list-style-type: none"> <li>Very necessary to start this work as soon as possible.</li> <li>Must be quality road structures.</li> <li>Local people must be used for the labor work force.</li> </ul>	Project will be completed on time. Quality of the road will be monitor regularly by the concern authorities. Local manpower will be used as far as possible.
2080/05/13	FGD	Aadesh Kumar Rai and other member of Yakati Tole bikas, Ward-12	<ul style="list-style-type: none"> <li>Requested for the fast work to be completed.</li> <li>Willing to help for the project as far as possible.</li> <li>No GIBV and other social related issues.</li> </ul>	Project will address all the environmental and social issues if any arise during the construction stage as well as operational stage. Awareness program will be provided to the local people.
2080/06/10	FGD	Gauri Narayan Chaudhary and other locals, Ward 12, Bisanpur	<ul style="list-style-type: none"> <li>Mainly emphasized on the quality of road and the material that will be used during the construction.</li> <li>Must be safe and clean side drain.</li> </ul>	We clarify that project will monitor for the quality and side drain will be made clear.
2080/06/09	FGD	Chandra Bahadur Tamang and other teacher of Shree Janapremi Basic School, Ward-13.	<ul style="list-style-type: none"> <li>Focused on the quality road structure.</li> <li>Must be completed on time.</li> <li>Must be drainage on both side of the road</li> </ul>	Project emphasis that there will be no compromise on the quality of the road structure. Proper monitoring will be done to the contractor.



Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
2080/05/07	Meeting	Laxman Dhakal, and other member of Raudidas tole.(Participants: 13M/9F, including 6 IP members)	<ul style="list-style-type: none"> <li>• Must start work as soon as possible</li> <li>• Must be environmentally friendly</li> <li>• No any obstacles for the completion of the road project</li> </ul>	We made them clear about the completion date of the project and also mention that the environmental and social issues will be address properly.
2080/05/10	Meeting	Keshab Prasad Pokhrel and other member of Hawairfield tole bikas and Locals, Ward-13 (Participants: 13M/4F, including 9 IP members)	<ul style="list-style-type: none"> <li>• Public are positive for construction.</li> <li>• Construction of road needs to tender fast.</li> <li>• Women empowerment should be focused</li> <li>• Public are okay and will help for the project to complete smoothly.</li> <li>• Environmental issues should be addressed on timely and properly</li> </ul>	Made clear about the completion date of the project and made sure that all other issues will be address accordingly.
2080/05/13	Meeting	Aadesh Kumar Rai and other member of Yakata Tole Ward-12 (Participants: 5M/8F, including 7 IP members)	<ul style="list-style-type: none"> <li>• ROW is clear and people are very willing to help the project.</li> <li>• Must be good quality of road.</li> <li>• Trading for the local people must be provided.</li> <li>• Dust and other environmental problems must be settled by the project during the construction of the road</li> </ul>	Completion time was stated and quality of the road is assured. Environmental and social problems will be addressed promptly.
2080/06/10	Meeting	Shrawan Kumar Chaudhary and other tole members of Bisanpur tole.	<ul style="list-style-type: none"> <li>• Road ROW is clear municipality in 2055 BS.</li> <li>• No issues on the environmental and social part.</li> </ul>	Different training program, awareness campaign will be done by the concern authority. Road safety and safety signboard will be installed on every



ESMP for the upgradation of Sagarmaha Agriculture bazar west to south Madan Bhundari Hall to Jangreni tole Bisampur ward 12 Road, Tryuga Municipality

Date	Consultation Type	Composition of Participants	Issues Raised	Response from Project
		Ward-12 (Participants: 14M/5F, All IPs)	Women empowerment must be taken into consideration. Road safety must be taken seriously during construction phase.	alignment on the regular interval and as per need.



### Annex IX: Photographs

Pictorial highlights of the field work



Consultation with Locals of Bisanpur tole



Meeting with people of Ekta tole



Meeting with local of Hawaii field tole area



Consultation with Locals of Raudidas area of Sagarmatha



Meeting with Teacher of Jana Premi Basic School

## Annex X: Cadastral Maps of Alignment

Sagarmatha Road



भूमि व्यवस्था, सहाकारी तथा गरिबी निवारण मन्त्रालय

नापी विभाग

नापी कार्यालय, कल्पेश्वर, गाईपाट

पो वि से पोस्टकोड

सिद्धि २०७००६१०४४ बार्ड नं १२

जु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

स्केल १ : २,५००



भूमिदलित

प्रिन्ट गर्ने

प्रमाणित गर्ने



ESMP for the upgradation of Sagarmatha Agriculture bazar west to Sagarmatha Bhandari Hall to Janpremi to Bisanpur ward 12 Road, Tryuga Municipality



भूमि व्यवस्था, साहकारी तथा गरिबी निवारण मन्त्रालय  
नापी विभाग

र. नं ००००  
मिति २०८०/०६/१२

नापी कार्यालय, उदयपुर, गार्डघाट  
या वि. म. गार्डघाट  
वार्ड नं १२

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

क्रमांक : २५०



सुचिकृत गर्ने

प्रिन्ट गर्ने

प्रमाणित गर्ने



भूमि व्यवस्था, सहकारी तथा गरिबी निवारण मन्त्रालय  
नापी विभाग

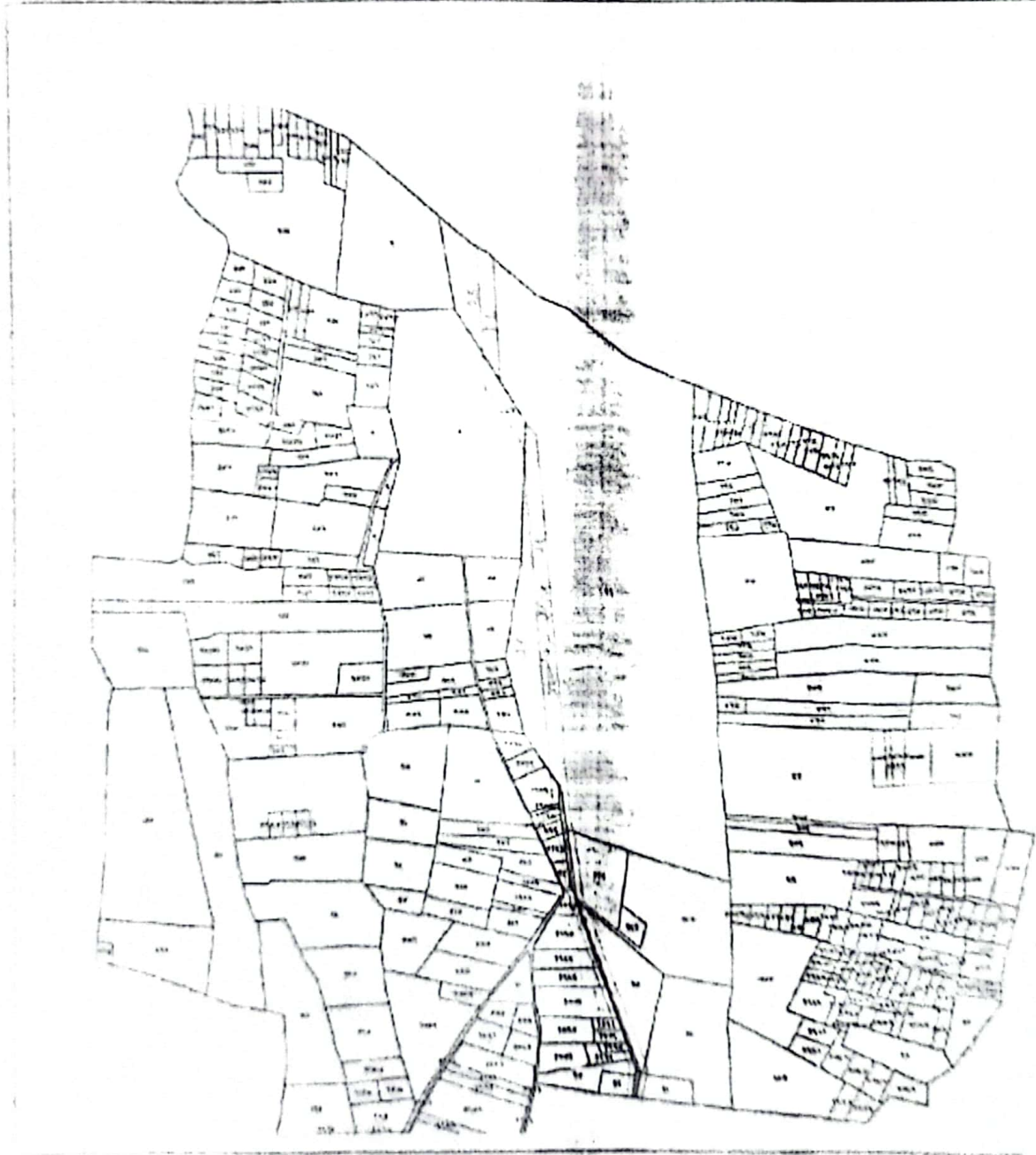
र न०००००

मिति २०७०/०१/२३ बाई नं २६६

नापी कार्यालय उदयपुर, गार्डघाट  
गा. वि. म. गार्डघाट

ब्लु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

स्केल १ : २,५००



सुनिश्चित गर्ने

प्रिन्ट गर्ने

प्रमाणित गर्ने



ESMP for the upgradation of Sagarmatha Agriculture bazar west to East, Jadam Bhandari Hall to Janpremi tole Bishapur ward 12 Road, Triyuga Municipality



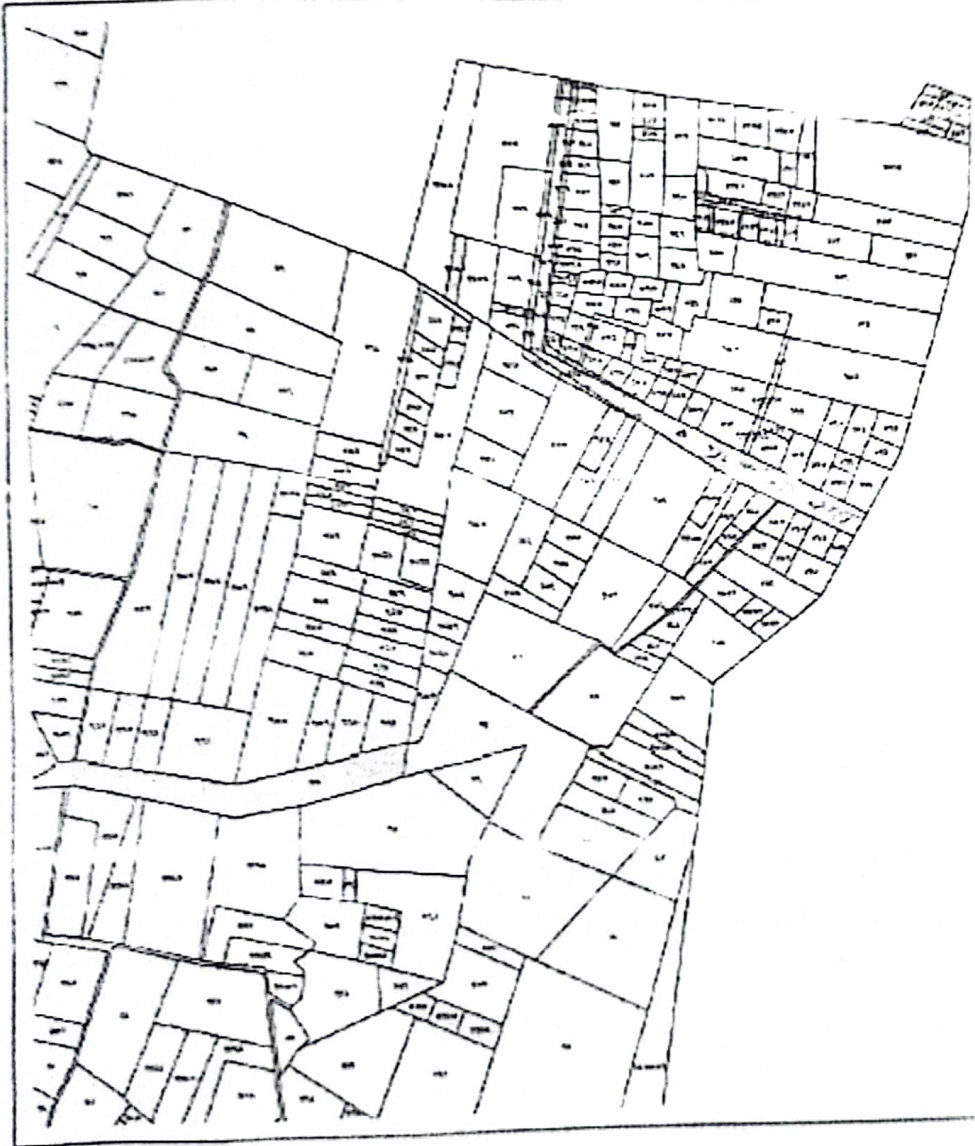
सुमि व्यवस्था, सरकारी तथा गरिबी निवारण मन्त्रालय  
नापी विभाग

र १००००  
मिति २०७०/०६/१२

सुमि व्यवस्था, उपनगर, काठमाडौं  
सुमि स माइयाट

न्यु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

पृष्ठ संख्या : २,५०१



सुमि विभागे प्रिन्ट गर्ने सुमि विभागे पत्तो



भूमि व्यवस्था, नगरपालिका तथा सडक विभाग  
नापी विभाग

१:५००००  
दिनांक २०७०/०९/१०

गा.वि.स.साईफेट  
वार्ड नं.१२

जु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको

स्केल : २:५०



भूमिदलित

पिन्ट भूने

पुनर्गठित क्षेत्र

नयाँ बजारको विकासका लागि नयाँ बजारको विकासका लागि नयाँ बजारको विकासका लागि





र.मं००००

मिति २०८०/०५/११ काठे नं.१४

भूमि व्यवस्था, सार्वकारी तथा गरिबी निवारण मन्त्रालय

नापी विभाग

बापो क्याम्पस, उदयपुर, गाईघाट  
 गा वि स.गाईघाट

जु प्रिन्ट र टेसको सटामा उपलब्ध गराइएको किलो : २,५०



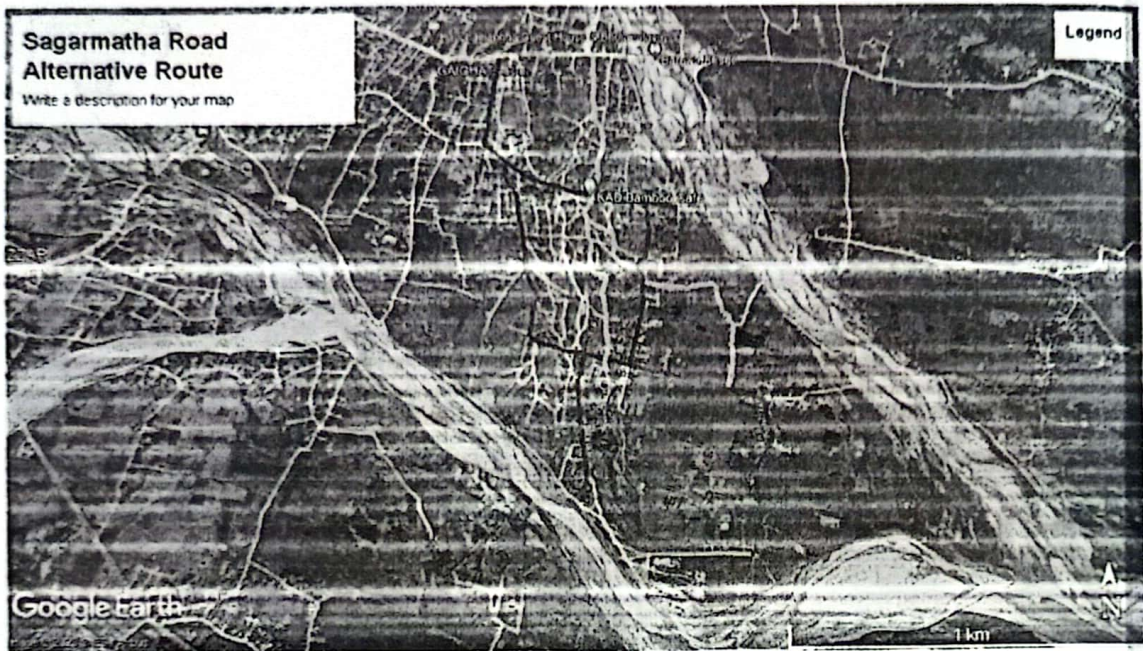
भूमिदलन

प्रिन्ट गर्ने

प्रमाणित गर्ने

सर्वेक्षणको लागि आवश्यक पर्ने मापनको यो नक्सा प्रिन्ट गर्ने र यसको प्रयोग गर्न सकिने छैन।

### Annex XI: Alternative Route



Note: Red lines are proposed road and Green lines are alternative routes.