

ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN
SRINAGAR - MANGRI ELECTRICITY DISTRIBUTION LINE SUBPROJECT
SUBSTATION (33/11 kV) AND DISTRIBUTION LINE (33 kV)
MUGU DISTRICT, KARNALI PROVINCE

NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER
SERVICE DIRECTORATE
DISTRIBUTION SYSTEM UPGRADE AND
EXPANSION PROJECT (DSUEP)
DURBARG MARG KATHMANDU NEPAL

CONSULTANT:
NEA ENGINEERING COMPANY
LIMITED, TRADE TOWER
THAPATHALI, KATHMANDU, NEPAL

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ABBREVIATIONS

ACSR	Aluminum Conductor Steel Reinforced
AIIB	Asian Infrastructure and Investment Bank
BES	Brief Environment Study
COVID-19	Corona Virus Disease
CDP	Community Development Program
CPA	Core Project Area
DCSD	Distribution and Consumer Services Directorate
DHM	Department of Hydrology and Meteorology
DL	Distribution Line
DSUEP	Distribution System Upgrade and Expansion Project
EHS	Environment, Health and Safety
EIA	Environmental Impact Assessment
EPA	Environment Protection Act
EPR	Environment Protection Regulation
EMF	Electromagnetic Field
ESP	Environmental and Social Policy
ESMF	Environmental and Social Management Framework
ESMP	Environmental and Social Management Plan
ESP	Environmental and Social Policy
ESSs	Environmental and Social Standards
GHG	Green House Gas
GIS	Geographic Information System
GoN	Government of Nepal
GRM	Grievance Redress Mechanism
IEE	Initial Environmental Examination
IP	Indigenous People
IUCN	International Union for Conservation of Nature
IUSGS	International Union of Geological Sciences
LPG	Liquid Petroleum Gas
MDB	Multilateral Development Bank
MoEWRI	Ministry of Energy, Water Resources and Irrigation
MHT	Main Himalayan Thrust

NEA	Nepal Electricity Authority
PPE	Personal protective equipment
RM	Rural Municipality
RoW	Right of Way
SPA	Surrounding Project Area
SPM	Suspended Particulate Matter
SWM	Solid Waste Management
US EPA	United States, Environment Protection Agency
USGS	United States Geological Survey
VC	Vulnerable Community

Unit

%	Percent/ Percentage
CO ₂	Carbon dioxide
dB	Decibel
g	Gram
ha	Hectare
HHs	Households
Kg	Kilogram
km	Kilometer
kV	Kilovolt
kWh	Kilo Watt Hour
ltr	Liter
LV	Low Voltage
m	Meter
masl	Meter Above Sea Level
mm	Millimeter
MVA	Mega Volt Ampere
MW	Megawatt
NRs.	Nepalese Rupees
°C	Degree Centigrade
sq.m.	Square Meter

EXECUTIVE SUMMARY

Description of Project: Nepal Electricity Authority (NEA) under Ministry of Energy, Water Resources and Irrigation is responsible for the implementation of the Distribution System Upgrade and Expansion Project (DSUEP). DSUEP will enhance the distribution system to improve the reliability and quality of electric supply in Karnali Province, Lumbini Province and Sudurpashchim Province. The proposed **Srinagar-Mangri Electricity Distribution Line Subproject** is located within Chhayanaath Rara Municipality, Ward No. 1, 2, 4, 11 & 12 and Mugum Karmarong Rural Municipality (RM), Ward No. 8 & 9 of Mugu District in Karnali Province. The Subproject requires 0.53 ha of land (Government Land) and managed by Thensingh Gyalbo CFUG for the construction of the substation. The 33 kV distribution line of 20.3 km passes along the Right of Way (RoW) of the access road, edge of community forest and private land with installation of poles at the edge of the farm and barren land. The proposed subproject is financed with a loan by Asian Infrastructure Investment Bank (AIIB).

Description of Environment

Physical Environment: The proposed Subproject area lies in Himalayan zone of Nepal. The substation lies in the Latitude 29.589 N, Longitude 82.294 E and elevation, of 2372.9 masl. The climate of the Subproject area is lower temperate. The temperature at the project valley varied from -11°C to 10°C. The average annual rainfall is estimated at approximately 34.5 mm per year. The air quality and noise level of the SPA was found within the range of the National Ambient Air Quality Standard and Noise Quality Standard, respectively. The 33 kV distribution line crosses the Chhaina Khola, Ghata Khola, Salim Khola, Lumsa Khola and Mugu Karnali River and there is no any source of water body nearby the proposed substation area.

Biological Environment: The proposed Subproject distribution line of passes along Dasaiya Community Forest (CF), Bhadali CF, Chuketi Belkati CF, Hariyali Bisepani CF, Chulle CF, Balu Kuna Naure Pakha CF, Thensingh Gyalbo CF and National Forest. The proposed substation lies in the area of Thensingh Gyalbo CF. The floral species recorded during the field visit are Chir Pine (*Pinus roxburghii*), Angeri (*Lyonia ovalifolia*), Gobre Salla (*Pinus wallichiana*), Rhododendron (*Rhododendron arboreum*) and Utis (*Alnus nepalensis*). Similarly, wild animal recorded during the public consultation as well as direct and indirect sighting are Golden Jackel (*Canis aureus*), Asiatic Black Bear (*Ursus thibetanus*), Northern Red Muntjac (*Muntiacus vaginalis*), Large-eared Pika (*Ochotona macrotis*), Himalayan Goral (*Naemorhedus goral*), Common Leopard (*Panthera pardus*), Rhesus Monkey (*Macaca mulatta*), and Wild Boar (*Sus scrofa*). Altogether ten species of birds were noted around the surrounding project area House Crow (*Corvus splendens*), Western Spotted Dove (*Spilopelia suratensis*), Slaty-headed Parakeet (*Himalayapsitta himalayana*), House Sparrow (*Passer domesticus*), Tree Sparrow (*Passer montanus*), Himalayan Monal (*Lophophorus impejanus*), Rock Dove (*Columba livia*), Chukar Partridge (*Alectoris chukar*), Cheer Pheasant (*Catreus wallichii*) and Common Myna (*Acridotheres tristis*).

The proposed Srinagar-Mangri 33 kV distribution line passes through the 7 different community forests and national forest as shown in **Table 3-3**. A total of 5.356 ha of the forest area will be occupied by RoW of proposed 33 kV distribution line and substation area. The estimated number of trees to be cleared from the Core Project Area of the distribution line alignment passes along different community forests is 1514 and 56 trees at proposed land for substation.

Socio-Economic Environment: The major ethnic compositions within the surrounding project area i.e., Ward No. 1, 2, 4, 11 & 12 of Chhayanath Rara Municipality and Ward No. 8 & 9 of Mugum Karmarong RM, are Chhetri is 50.98%, Bhramin is 0.98%, Tamang is 15.85%, Thakuri is 9.45%, Dalit is 20.91% and Newar is 0.53% of the total population of 8,546. The implementation of the Subproject will increase the electricity beneficiaries to 1,964 HHs, 25 commercial purposes and 10 industries. Gamgadhi Bazaar is the nearest business markets nearby the Subproject area. The transportation facilities in this local level seem to be satisfactory. Tap/piped water is the main source of drinking water in the surrounding Subproject area. People of the Subproject have access to communication facilities mainly through mobile telephone services. The nearest and easily accessible equipped health facility to the proposed Subproject is in Gamgadhi Bazaar i.e., Mugu District Hospital located at 4000 m distance from tapping point. The main occupation of people in the area is agro base with nearly 70% contribution followed by small trade and business/enterprises and services.

Potential Impacts and Mitigation Measures: Civil works will be involved with temporary impacts on air, noise and water quality and occupational and community health and safety; particularly related to working with electricity and in the context of the COVID-19 pandemic. Long-term impacts, although insubstantial, during operation and maintenance include occupational and community health and safety risks related to the presence of electricity infrastructure. The potential environmental issues and mitigation measures identified in screening and the preparation of the ESMP report will be addressed during the compliance monitoring carried out by the safeguard team. The land requirements for the substation and the pole erection there will be no any issues. Since the proposed the substation land is government land and for the distribution line people have suggested to install poles at the edge of farm-lands, without affecting any private structures along the distribution line. The implementation of the proposed Subproject needs 5.356 ha of forest area with estimated loss of 1,514 trees in distribution line alignment and 56 trees at proposed land for substation. The total enumeration of the loss trees and mitigation cost will be incorporated in the Brief Environmental Study (BES) report. The compensatory plantation will be done as per Forest Regulation (2022) in the ration of 1:10. The ESMP cost estimated for the Subproject is NRs 13,00,000.00 associated with mitigation measures and monitoring activities. NEA Project Implementation Unit has agreed on the estimated cost for the mitigation measures and monitoring activities.

Environmental and Social Management Plan: The ESMP serves as a guide to implement environmental and social mitigation measures and the responsibility of the concerned agencies during the construction and operations of the Subprojects. Monitoring and inspection of the environmental and social activities will be carried out by the Environment and Social Management Unit and the Project Supervision Consultant of PIU. ESMP will be an integral part of the contractor's Bidding document which will be updated by the contractor during the sub-project construction period.

Institutional Arrangements: To ensure full compliance with the ESMP, an institutional arrangement for monitoring and reporting has been proposed. All the resources needed for the implementation of ESMP for the construction and operation phase will be provided by the PIU. Project Supervision Consultant's with Environmental and Social Safeguard Specialist will be responsible for compliance monitoring activities during the construction phase. The

Environment and Social Management Unit of NEA will provide regular updates to the site offices regarding the implementation of ESMP. The contractor shall prepare an Environment, Health, and Safety (EHS) plan approved by the PIU before field mobilization. The contractor should mobilize a safety officer at each work site during the construction period.

Public consultation: Public consultations have been conducted in the Subproject area. People in the Subproject area noted that electricity service is poor with frequent interruptions. People have suggested installing poles at the edge of farm-lands, and project components should not affect any houses and structures along the line. The impacts on the crops while stringing lines should be minimized. Prospective electricity consumers and people to be affected are supportive and have recommended quick implementation of the project.

Grievance Redress Mechanism (GRM): A three-tier Grievance Redress Mechanism (GRM) has been established to receive, evaluate, and facilitate the resolution of affected people's concerns, complaints, and grievances about the social and environmental issues at Subproject level. In each Subproject, two levels i.e., Tier-I and Tier-II of the Grievance Redress Mechanism have been established. During the ESMP study period, NEA has disseminated letters to the local level stakeholders regarding the formation of the GRM at the Subproject level.

Conclusion: The environmental impacts envisaged from the implementation of the proposed Subproject are site-specific, short-term, temporary and reversible in nature. The Subproject will provide significant benefits to people and the economy by providing the a reliable and improved electricity supply. The implementation of the proposed Subproject needs 5.356 ha of forest area with estimated loss of 1,514 trees in distribution line alignment and 56 trees at proposed land for substation. The total enumeration of the loss trees and mitigation cost will be incorporated in the Brief Environmental Study (BES) report. This ESMP is considered sufficient to mitigate the environmental and social issues identified for the Subproject and will be updated during the Subproject construction stage.

1. INTRODUCTION

1.1 Project Background

The proposed Distribution System Upgrade and Expansion Project (DSUEP) will enhance the distribution system to improve the reliability and quality of electric supply in the Karnali Province. The project aims improvement in voltage level and reduction in power loss which in turn will improve Nepal Electricity Authority's (NEA) financial health, improve electricity supply reliability, and reduce dependence on petroleum-fueled accessories. The government of Nepal (GoN) has envisaged DSUEP to extend the reach of 33 kV and 11 kV distribution lines "to achieve affordable electricity fulfilling the demands at the local levels for all the households by 2022". Asian Infrastructure Investment Bank (AIIB) is financing a loan to upgrade existing and build new distribution systems in Lumbini Province, Karnali Province and Sudurpashchim Province of Nepal. This ESMP is prepared for Srinagar - Mangri Electricity Distribution Line Subproject of DSUEP.

This Subproject has three major components:

Component 1: construction, extension and augmentation of distribution lines and substations, especially 33 kV lines and 33/11 kV substations.

Component 2: construction of 11 kV lines, distribution transformers, and Low Voltage (LV) lines for new power distribution facilities.

Component 3: Capacity Building, Project Implementation Support, and Technical Assistance.

1.2 Scope of Study

This study ensures that the project meets the requirements of Nepal Government's Environmental Regulations, and Environmental and Social Policy (ESP) & Environmental and Social Standards (ESSs) of AIIB. This report provides the measures for environmental and social management, monitoring, and reporting of the project.

1.3 Objective of ESMP

The Environment and Social Management Plan aims to sets out the measures required to maximize the benefits of the project; and to avoid, minimize and mitigate any adverse environmental and social impacts caused by the project. The objectives of this ESMP are to:

- Describe the existing natural and socio-economical resources in and surrounding Subproject area;
- Based on existing environmental conditions, identify and assess potential significant impacts during project preconstruction, construction, and operation & maintenance stages;
- Identify and recommend mitigation measures to minimize any potential impacts caused by Subproject activities;
- Identify the local concerns on environmental and social issues and address them;
- Develop environmental management plan and monitoring plan including cost;

- Recommend institutional arrangement, including capacity building to ensure proper environmental and social safeguards implementation during construction and operation phases.

1.4 Legal Provision for the ESMP

According to the E & S safeguard Screening report, safeguard risks/issues identified as Category III (ESMF) which trigger for the preparation of ESMP to execute the Subproject. This Subproject has minimal or no adverse environmental and social impact; does not physically displace any family; and does not result in economic displacement of more than 10% of productive assets for any family.

Pertaining to Section 3 (1), Environment Protection Act (EPA), 2019 describes completing Environmental Studies as per Schedule 1 or 2, or 3 under Environment Protection Regulation (EPR) 2020 (First Amendment in 2021/05/24 on Nepal Gazette), detailed environmental studies Brief Environmental Study (BES), or Initial Environmental Examination (IEE), or Environmental Impact Assessment (EIA) is required. For this Subproject, pertaining to Section 3(1), EPA (2019) describes to complete Environmental Studies as per Schedule 1(Cha) Energy, water resources and irrigation sector (1) under EPR (2020) state “use of forest area for the electricity distribution line project up to 66 KV”. The proposed Subproject will intercept the Subproject will use the Dasaiya Community Forest (CF), Bhadali CF, Chuketi Belkati CF, Hariyali Bisevani CF, Chulle CF, Balu Kuna Naure Pakha CF, Thensingh Gyalbo CF and National Forest. Thus, as per EPR (2020), a BES is mandatory for the proposed Subproject.

1.5 Methodology for the ESMP

The methodology that was followed while conducting the ESMP study is as follows:

- i. Literature Review: Published literature of government institutions and international organizations were reviewed to collect information on project surroundings. The Municipality/RM and its Ward profiles are used to collect the socio-economic baseline information of the Subproject. National policies, legislative frameworks and Multilateral Development Bank (MDB) policies were reviewed to understand the priorities and any legally binding requirements were studied that should be complied with while implementing the project. The Legislative provisions relevant to the project are listed in **Annex 4**.
- ii. Field Survey and Investigation: Field surveys were conducted to generate information on the physical, biological and socio-economic environment of the project area. The physical environment; air quality data was monitored by Temtop Airing-1000 PM Detector, noise level by UNI-T UT 353 Mini Sound Meter (dB) and water quality by EXTECH ExStik II DO600. Field observation of the core project area and the surrounding vicinity of the project footprint area was applicable for the biological assessment. Trees presence within the Right of Way (RoW) of the proposed distribution line. A total of 5 different sample quadrates were used and trees numbers were estimated by extrapolation within RoW and total enumeration at proposed land for substation. The total enumeration of the trees to be cleared for the

implementation of the Subproject will be estimated during the BES study. The tree clearance approval is made once the Brief Environment Study (BES) is approved from the Ministry of Energy, Water Resources and Irrigation. Priority was given to the consultation with local communities at substation sites and the settlement areas that benefit from the project. Pertaining to Forest Act (2076) and Forest Regulation, (2079), BES report will be prepared and as per Forest Act (2076) Section 42 and Forest Regulation (2079) Rule 87 to 90, NEA/PIU must take approval from Government of Nepal, for the use of forest on the implementation phase. As per Rule 93 (5) and (6), the compensatory ratio for the loss of trees should be made in the ratio of 1:10 and require care, maintenance and upkeep of the planted trees before handover to concerned forest office after 5 years.

- iii. Data Analysis: All potential Subproject impacts on physical, biological, socio-economic and cultural resources were integrated and assessed using best practice of Multilateral Development Banks, and also complied with national requirements. The Geographic Information System and SW Maps were used for the field assessment and analysis of the CPA and SPS data and presentation of the maps in the ESMP report. The project foot print Ward and Municipality/RM are considered for the collection of socio-economic and baseline information.
- iv. Impact Evaluation: Significance of impacts are evaluated on the basis of reversibility, nature, magnitude, extent and duration of the impact. Identification of magnitude, extent and duration is as provided in the National EIA Guidelines, 1993 of Nepal. While evaluating the impacts and prescribing mitigation, maximum efforts were made to get expert opinion and input from the DSUEP's technical and safeguard consultant team.
- v. Public Consultation: As per the Government of Nepal EPA and the AIIB Environmental and Social Policy (ESP), pre-notifications with the subject of consultation, venue, and time were given at Subproject foot-print area, local level and affected Ward office in presence of the concerned local stakeholders. Consultations were conducted in the Subproject area, at substations and the distribution line system settlement areas with local stakeholders.
- vi. Report Format: The ESMP report is prepared as per the Environmental and Social Policy (ESP) of the AIIB, which contains an executive summary, a main report, and annexes as appropriate, including one on the nature and findings of consultations undertaken. All the comments and suggestions from the field consultation are mentioned in the ESMP report.

1.6 Classification of Impact Area

The National EIA Guidelines (GoN, 2050) have mentioned on the "Core Project Area", and "Surrounding Project Area" based on the proximity and magnitude of the impacts due to the construction and operation of the proposed project.

Core Project Area (CPA) refers to the temporary and permanent area for the proposed project construction and associated activities. It is the area where direct impacts can be

seen. For the **Srinagar-Mangri Electricity Distribution Line Subproject**, the proposed substation area with 0.53 ha and the 33 kV distribution line with 20.3 km length is considered as CPA. The Subproject components are located within the Ward No. 1, 2, 4, 11 & 12 of Chhayath Rara Municipality and Ward No. 8 & 9 of Mugum Karmarong RM of Mugu district. The major settlements in the Subproject area are Chhatyalbada, Roba, Lumsa, Chhayal Chaur, Mangri, and Ghat. The distribution line stringing route passes along the edge of cultivated land (0+050 to 0+700, 1+500 to 3+610, 4+000 to 5+620, 5+700 to 6+420, 7+780 to 8+100, 10+800 to 11+330, 17+330 to 17+600), along the public land (0+840 to 1+500, 3+775 to 4+000, 11+330 to 12+000) and along the forest area (5+620 to 5+700, 6+420 to 7+780, 8+100 to 10+000, 10+000 to 10+800 12+300 to 17+000, 17+000 to 17+300, 17+600 to 19+500, 19+500 to 20+500).

Surrounding Project Area (SPA) is the immediate vicinity of the footprint location of the proposed Subproject site. SPA is the moderate and indirect impact area. For this Subproject the 33 kV distribution line will be located within the Ward No. 1, 2, 4, 11 & 12 of Chhayath Rara Municipality and Ward No. 8 & 9 of Mugum Karmarong RM of Mugu being considered as SPA. The SPA will have impact on the beneficiary's area of 11 kV lines and Low Tension (LT) lines service. The impact area showing the CPA and SPA area is presented in the google map **Figure 1-1**.

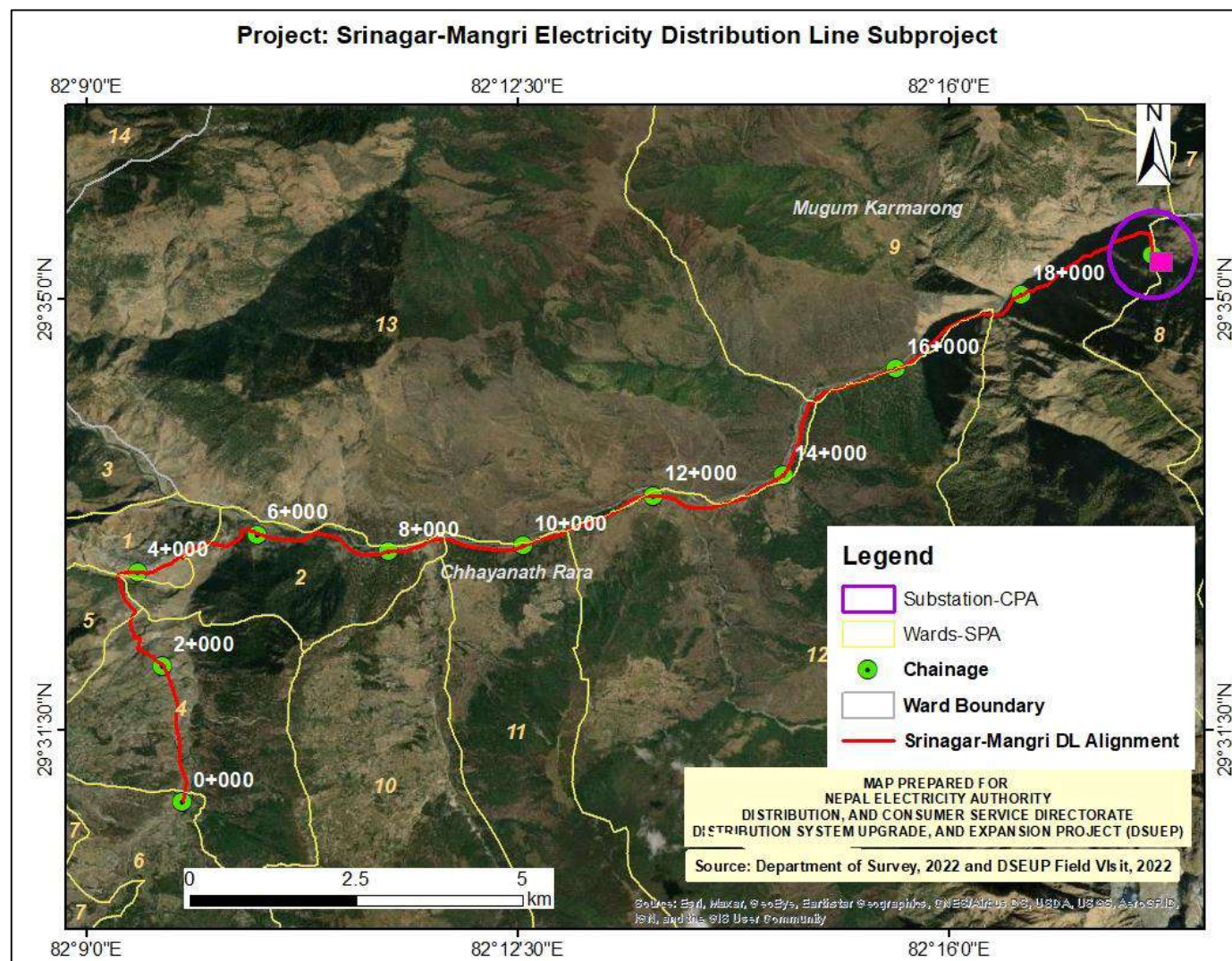


Figure 1-1: Core Project Area (CPA) and the Surrounding Project Area (SPA) Wards of the Srinagar-Mangri DL Subproject

2. DESCRIPTION OF THE SUBPROJECT

2.1 Subproject Location and Accessibility

The proposed **Srinagar-Mangri Electricity Distribution Line Subproject** is located within Chhayanath Rara Municipality, Ward No. 1, 2, 4, 11 & 12 and Mugum Karmarong RM, Ward No. 8 & 9 of Mugu district in Karnali Province. The tapping point of 33 kV line lies in Gamgadhi Substation at Balai, Chhayanath Rara -4, Mugu. The proposed distribution line (33 kV) runs through Dasaiya Community Forest (CF), Bhadali CF, Chuketi Belkati CF, Hariyali Bisepani CF, Chulle CF, Balu Kuna Naure Pakha CF, Thensingh Gyalbo CF and National Forest land along with public and private land till the proposed substation location. The proposed distribution line (33 kV) is 20.3 km in length. There is the accessibility of road transport within the proposed Subproject Ward area. The Subproject location and the accessibility are presented in the map below **Figure 2-1**. The main features of the Subproject are presented in **Table 2-1**.

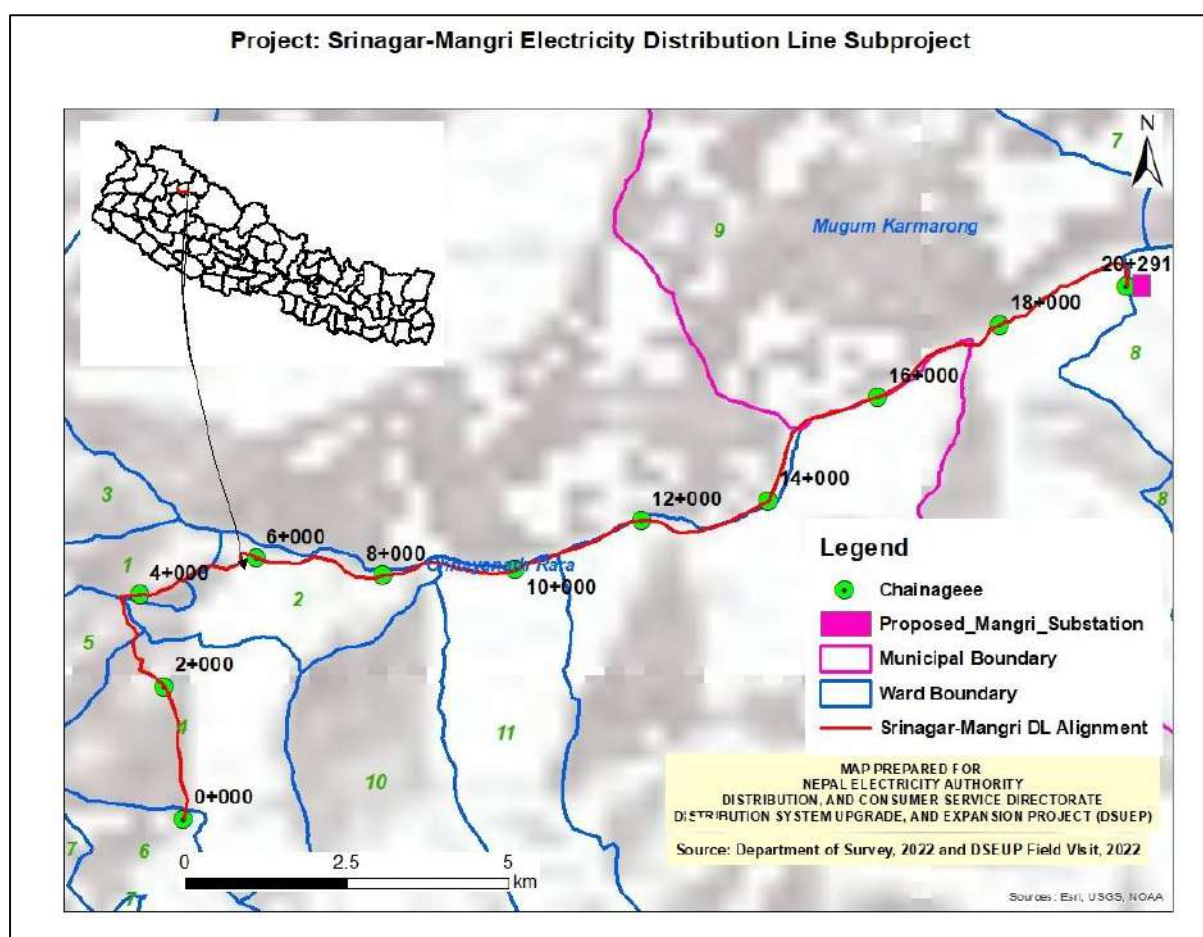


Figure 2-1: Location and Accessibility Map of Srinagar-Mangri Subproject¹

¹ Source: Department of Survey, 1995 and Field Study 2022

Table 2-1: Technical Description of the proposed Subproject

Features	Attributes
Client	Nepal Electricity Authority
Sub-Project	Srinagar-Mangri Electricity Distribution Line Project
Funding Agency	Asian Infrastructure Investment Bank
Project Location	Chhyanath Rara Municipality and Karmorang Rural Municipality of Mugu District in Karnali Province
Distribution Line	
Starting Point	Gamghadi Substation, Chhyanath Rara, Mugu
End Point	Mangri Substation (Proposed) at Mugum Karmorang, Mugu
System Voltage	33 kV
Length of Line	20.3 km
Right of Way	6 m
Number of Circuit	1
Conductor	ACSR Dog
Type of Pole	Steel Tubular Pole, 11 m
Number of Pole	508
Average Span of Pole	40 m
Insulator	Procelin Disc and Pin Insulator
Line Capacity/Thermal Limit	13.4 MW (Dog) at 0.9 power factor
Substation	
Substation Location	Mangri, Mugum Karmorang RM, Mugu District
Voltage Level	33/11 kV
Substation Capacity	3 MVA
Number of Transformers	1 no., 3 MVA
Type of Transformer	3 Phase, ONAN/ONAF, Mineral Oil
Number of 33 kV Line Bays	1
Number of 11 kV Feeders	2
Area of Substation	0.53 ha

2.2 Subproject Components

The major components of the Subproject are the 33/11 kV substation and 33 kV distribution line (DL). The 33 kV DL is tapped from an existing 33 kV network line and acts as a source feeding to the proposed 33/11 kV substation. 11 kV distribution feeders emerge from the substation, eventually supplying the electricity to the consumers. The structures of the Subprojects are briefly described below.

2.2.1 33 kV Distribution Line (DL)

The 33 kV DL serves as the pathway for feeding electricity to the proposed substation. Aluminum Conductor Steel Reinforced (ACSR) type conductors are strung on Steel

Tubular Pole from the starting point of the line. In general, the 33 kV lines comprises of the Steel Tubular Poles, Insulators, Conductors and Supporting Stays.

Steel Tubular Poles: Steel tubular poles will be installed in this Subproject. 11 m and 13 m long poles shall be used depending upon the location of the poles and the number of circuits used in the line. The poles to be erected will be supported by stays wherever necessary. Insulators will be installed at cross arms to support the conductor from the poles. The length of the proposed 33 kV distribution line is 20.3 km and the total number of steel tubular poles to be erected is estimated as 508.

Insulators: The insulators provide insulation to the poles from the high voltage in the conductors. Pin-type insulators will be employed for suspension poles whereas disc types will be employed for tension poles. Porcelain-type insulators will be used owing to their dielectric strength, better compressive strength, higher resistance to degradation, suitability for extreme climate, and environment friendly characteristics over its counterparts.

Conductor: ACSR Conductor – Aluminum Conductors Steel Reinforced, conductors with stranded layers of aluminum and steel will be used for 33 kV lines. Aluminum strands carry the current whereas the steel in between provides the mechanical strength for the conductor. Typically, 100 sq. mm conductors are used in 33 kV line for this Subproject which is also known as ACSR DOG conductor.

Stay/Guy Sets: Stay Wires are used to support or provide the balancing tension to the poles. These are made up of steel materials and can be used in multiples for a single pole, depending upon the requirements.

2.2.2 Substation

The proposed substation 33/11 kV is of capacity 3 MVA. The substation plays the role of lowering the 33 kV voltage level to 11 kV, which will then be strung as a distribution feeder to supply the consumers. The major component of the substation is the power transformer, which is supported by the switchgear components and Civil Structures. The facility and components sample pictures are shown in **Annex 3**.

Transformers: Transformer is the major component of the distribution substation. It transforms power from higher voltage to lower voltage for distribution purpose. Power Transformers are used for the 33/11 kV substations. These transformers are mineral oil based with ONAN/ONAF (Oil Natural Air Natural/Oil Natural Air Forced) cooling mechanisms. In existing practice, the transformers used for 33/11 kV substations in Nepal are typical of 1 MVA, 3 MVA, 8 MVA and 16 MVA depending upon the load supplied by the substation. This Subproject comprises of power transformer of 3 MVA ONAF type.

Electrical Switchgear: Electrical Equipment comprising of Circuit Breaker, Earth Switch, Current Transformer, Potential Transformers, etc. installed in the substation is called Electric Switchgear. They facilitate the objective of power conversion.

Civil Structures: A control building is essential for the operation of the substation. It houses the operating station, along with battery systems. Guard House and Staff Quarter are other essential buildings for the smooth operation of the substation.

Switchyard, Boundary, Roads, Drainage and Essentials: The outdoor civil structure in the proposed substation includes the boundary wall, main entrance gates and Switchyard. The power transformer and components of the power system are laid in the switchyard based on prudent engineering practice. Steel structures are used to support the components as per component-wise requirements. Roads are paved within the boundary as essential for the transport of power transformers and other components. The substation location also serves as a site store for the storage of distribution system components.

2.2.3 11 kV Lines and LT Lines

11 kV lines and LT lines take the access of electricity to the consumer households. It is why the construction of those lines is always encouraged by the local people. The line route, thus the installation of poles and lines, is envisaged to go through the edge of local roads. If any line route passes through any private lands, permission from the corresponding land owner will be taken before the construction of those lines.

The detailed line route survey for 11 kV and LT lines has not been done yet. A separate screening will be prepared for 11kV lines. The scope of detailed survey is in the scope of the construction Contractor. The construction Contractor will conduct Pre-Construction Survey (PCS) to finalize the line route of 11 kV lines and LT lines for the construction. PCS will prepare the detailed line route of those lines and submit it to PIU for approval. After the detailed line route is submitted by the Contractor and approved by PIU, the E&S team of the Project Supervision Consultant (PSC) will conduct an E&S study and submit the findings that

- Do the lines pose any adverse Environmental or Social issues?
- If there are any Environmental or Social issues, how can they be resolved? If the lines do not pose any adverse Environmental or Social issues, the lines will be cleared by PIU after seeking concurrence from AIIB.
- If the solution measures are not implementable in the field, PCS will suggest any other way to divert or reroute the lines. If yes, PCS will propose an alternative line route. The lines will be cleared by PIU after seeking concurrence from AIIB, given that the lines do not pose any adverse Environmental or Social issues.

2.3 Major Construction Activities in the Subproject

Activities in the Subproject area can be sub-divided into three categories viz, Pre-Construction Phase, Construction Phase and Operation Phase. For the proposed Subproject, trees and bushes in the RoW of 33 kV lines have to be cleared whereas, while 56 trees of *Pinus wallichiana* within the proposed substation boundary have to be cleared for the construction work. The proposed Srinagar-Mangri Line Subproject intercepts forest area of 5.35 ha. The estimated loss of trees species in the RoW of 33 kV lines are 1,514 and 56 trees at proposed land for substation.

- I. **Preconstruction phase:** The activities to be carried out before the construction phase are:
 - Demarcation of land area for the proposed substation
 - Receive public opinion
 - Make clearance of the substation land area permanently
 - Cutting down the trees in Substation Land
 - Distribution line route selection
 - Approval to cut down trees from the concerned government authorities
- II. **Construction phase:** The activities to be carried out during the construction phase are:
 - Assign the land area for the temporary storage of construction materials
 - Transportation of construction materials
 - Leveling of land area for the proposed substation
 - Cutting down of trees in RoW of 33 kV lines
 - Construction of substation structures
 - Pole erection work for 33 kV, 11 kV and LT distribution lines
 - Stringing of 33 kV, 11 kV and LT distribution line
- III. **Operation phase:** The activities to be carried out during the operation phase are:
 - Maintenance of the substation and 33 kV distribution line route

2.4 Energy to be used

During the construction period, diesel fuel will be used to power construction equipment and transport vehicles, which emit air pollutants and greenhouse gases in insignificant quantities. Use of firewood is restricted in the labor camp, whereas the Contractor shall supply LPG for cooking foods to the workers.

2.5 Land Required

The Srinagar-Mangri Electricity Distribution Line Subproject will require about 0.53 ha of land for building the proposed substation. The land is government land and managed by Thensingh Gyalbo CF and by NEA to construct the substation in the designated area. The 33 kV distribution line of 20.3 km length pass from private farm lands, public land, national forest and community forest. Poles shall be installed at the edge of private farm land which will not affect the usability and valuation of the lands.

2.6 Material Requirement and Sources

A 33/11 kV substation, 33 kV, 11 kV and low-tension distribution lines will be constructed for this Subproject. Minimal excavation at the pole locations will be done to erect steel tubular poles of 11 m and 13 m. The depth of burial for 11 m (approximately 256 kg) and 13 m (approximately 343 kg) poles are 1.8 m and 2.17 m respectively. The construction works for the substation will not produce a significant amount of spoils and thus it will not require a spoil-dumping site. Similarly, excavation works carried out for digging pit holes for poles produces insignificant spoils which do not require the management of earthworks.

Civil construction works will involve excavation for the foundation of the substation, steel reinforcement, cement, coarse aggregates, and fine aggregates (sand). Materials will be procured from legally operating local markets. Following estimated volume of construction materials are required for the proposed 33 kV distribution line and the substation.

Table 2-2: Approximate Quantity of Material for 33 kV line

SN	Particular	Unit	Requirement
1	Amount of Steel	Ton/km	5800
2	M15 concrete for Pole base	Cum/km	12.5

Source: Design Report, DSUEP

Table 2-3: Approximate Quantity of Material for 33/11 kV Substation

SN	Particular	Unit	Support Structures, Road, Drainage	Control Building	Staff Quarter	Office Building	Guard House
1	M15 Concrete	Cum	100	25	224	120	5
2	M25 Concrete	Cum	300	170	125	75	27
3	Reinforcement bar	Ton	7	27	20	12	4

Source: Design Report, DSUEP

2.7 Major Equipment and Power Requirements

Major types of equipment used during the Project implementation are:

One Excavator, One Roller, One Drilling Machine, One Crane, one Grid Supply of 100 kVA Distribution Transformer, and two 50 kVA capacity diesel generators.

2.8 Workforce Requirement

Local people in the surrounding Subproject area will be encouraged for the employment. Based on the skills (skilled, semi-skilled and unskilled labor), local people will be used for the construction in such a way that both males and females will get an equal opportunities during construction. The number of human resources required depends upon the complexity of the project as well as the geographical location of the project. In case of construction of 33 kV lines and 33/11 kV substations, the workforce typically varies from terai to hilly to the mountain region. The expected number of manpower employed is enlisted hereunder.

Table 2-4: Human Resource Required for construction of 33 kV line and substation in a day of Construction

SN	Human Resource/Day	For Distribution Line	For Substation
1	Engineer (No.)	1	2
2	Supervisor (No.)	2	4
3	Foreman (No.)	3	5
4	Skilled (Lineman/Electrician) (No.)	8	10
5	Helper (No.)	5	15
6	Labour (No.)	20	30

Source: Design Report, DSUEP

2.9 Construction and Implementation Schedule

Implementation of the proposed Subproject comprises the construction of a new 33/11 kV substation, 33 kV lines, 11 kV lines, LT lines, and installation of distribution transformers. It includes the construction and installation of components as mentioned in subsection 2.2. The estimated completion period is 24 Months.

Table 2-5: Construction Schedule of Project Implementation

SN	Activities/ Months	Months (After the completion of Detailed Survey Study)					
		1-3	4-6	7-10	11-15	16-20	20-24
1.	Invitation for tender, evaluation, and award						
2.	Implementation of Environmental and Social Safeguards						
3.	Erection of Poles						
4.	Stringing of conductor						
5.	Construction of substation						
6.	Charging and Testing						

Source: Design Report, DSUEP

3. DESCRIPTION OF THE ENVIRONMENT

3.1 Physical Environment

3.1.1 Topography and Land Use

The Subproject area lies in Ward No. 1, 2, 4, 11 & 12 of Chhayanth Rara Municipality and Ward No. 8 & 9 of Mugum Karmarong RM of Mugu district in Karnali Province. The tapping point is situated at Latitude 29.5153 N and Longitude 82.1632 E, with an elevation of 2055.2 masl (**Figure 3-1**). The proposed distribution line (33 kV) of 20.3 km passes along community forest, national forest, edge of private farm lands and public land.

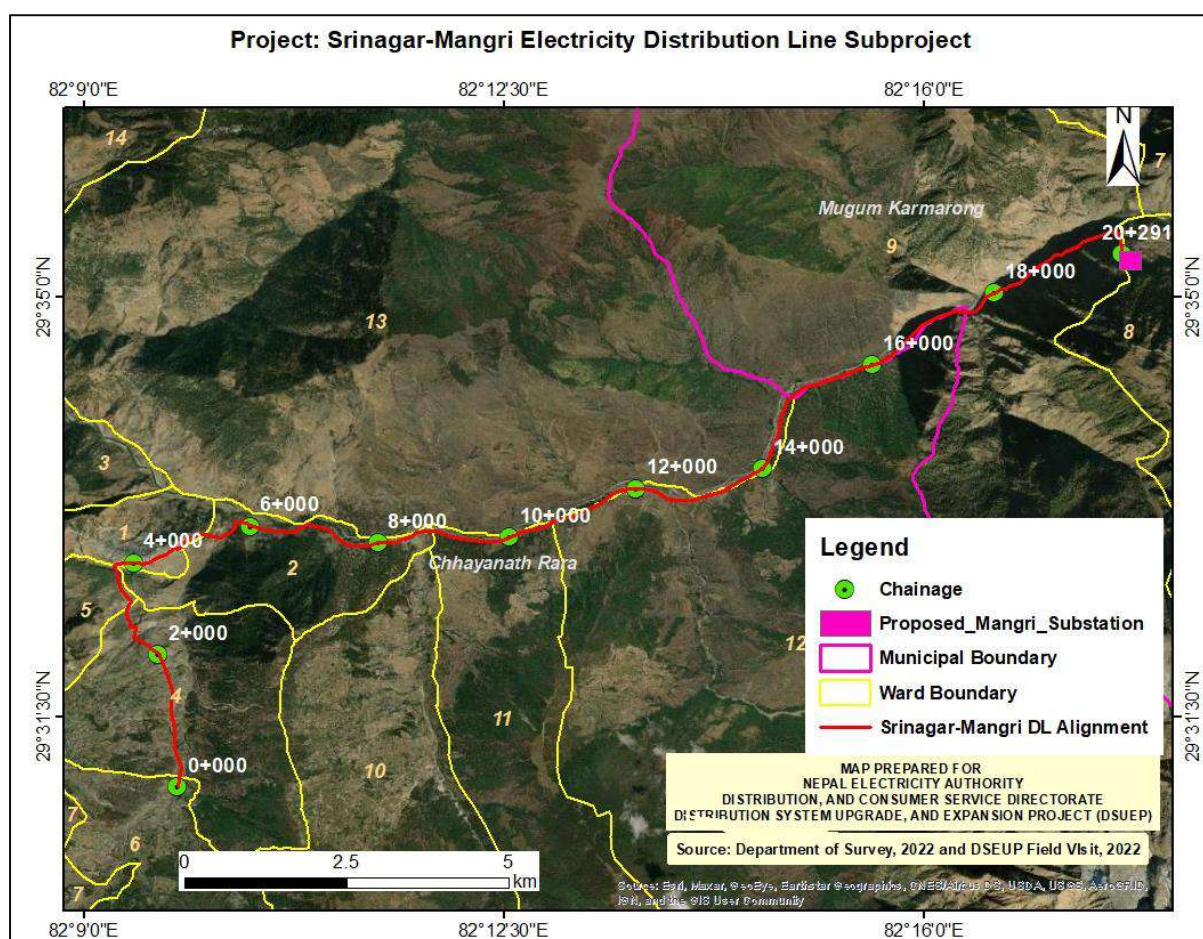


Figure 3-1: Location map and Land use details of the Subproject²

The substation lies at Latitude 29.5892 N, Longitude 82.2943 E and elevation of 2372.9 masl (**Figure 3-3**). The site is primarily within the flat land with little depressed. It is covered by vegetation which is owned by GoN and managed by Thensingh Gyalbo Community Forest User Group. The proposed substation boundary lies within a 0.53 ha area. None of the private and public entities will be affected due to the implementation of the proposed Subproject, as it will be installed within the edges of the private farms land, public land,

² Source: Topographic Map, Department of Survey, 1995 and Field Study 2022

national forest and community forest. The land use map details with the components of the Subprojects are presented in **Annex 2**.



Figure 3-2: Tapping point (Chhayanath Rara Municipality Ward No. 4)



Figure 3-3: Srinagar-Mangri Substation View

3.1.2 Geology

Geologically the proposed project distribution line lies within the Higher Himalayan Zone of Mid-Western Nepal. Geology is well defined, and consists of a huge pile of highly metamorphosed rocks. It is situated between the fossiliferous sedimentary zone, the Tibetan-Tethys Himalaya in the north, separated by STDS and the Lesser Himalaya, separated by the MCT in the south. Major rock types are Quartzite, Schist and Gneiss. The geological structures like joints, folds and local scale shear zones occasionally encountered along line. At the tapping point, the lithology is composed of quartzite and schists, colluviums deposit and alluvium deposit. Then line follows rock exposure of gneiss, schist, quartzite's and colluvium soil. Lithology of proposed substation site in Mangri is composed of colluvium soil with sparse rock exposures of Gneiss and Quartzite.

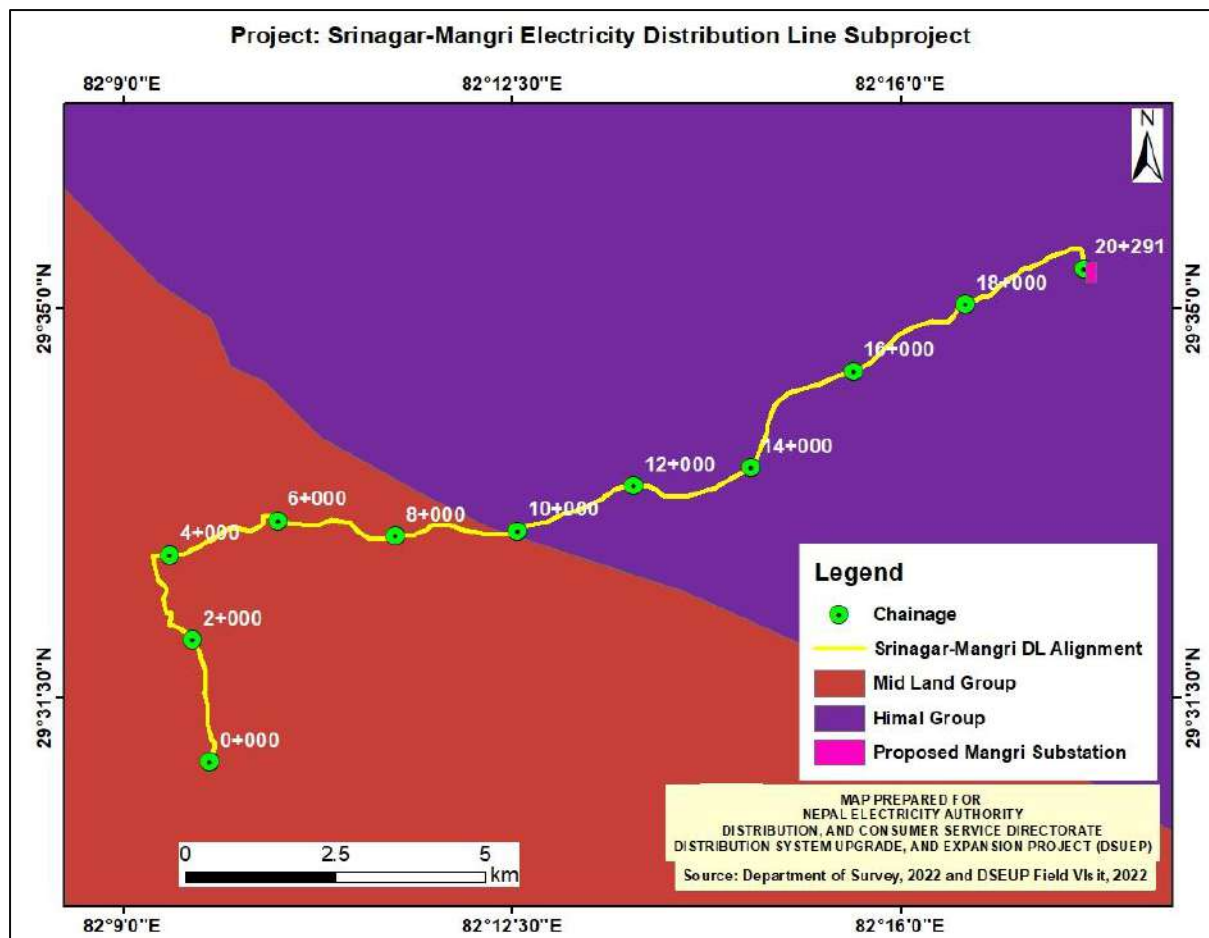


Figure 3-4: Geological Map of proposed Subproject Area³

3.1.3 Seismology

The entire country of Nepal is in a seismically active zone caused by the subduction of Indian tectonic plate under the Tibetan Plate. According to the National Seismological Center of Nepal several big earthquakes have been felt in Nepal, the earthquakes of magnitude 6 to 7 are mostly confined to the Main Himalayan Thrust (MHT) between the foot hills and the Higher Himalaya. Moreover, earthquake generation is confined to the crustal depth of 20 km. However, shallow earthquakes at depths down to 6 km are generated as a result of strike-slip faults. Therefore, the substations and distribution lines of this Subproject will be designed and operated per seismic design requirements and best engineering practice. The seismic activity in Nepal between 1964 and 2019 as in the IUSGS portal is shown in **Figure 3-5**.

³ Source: Department of Mines and Geology (DMG), 2020

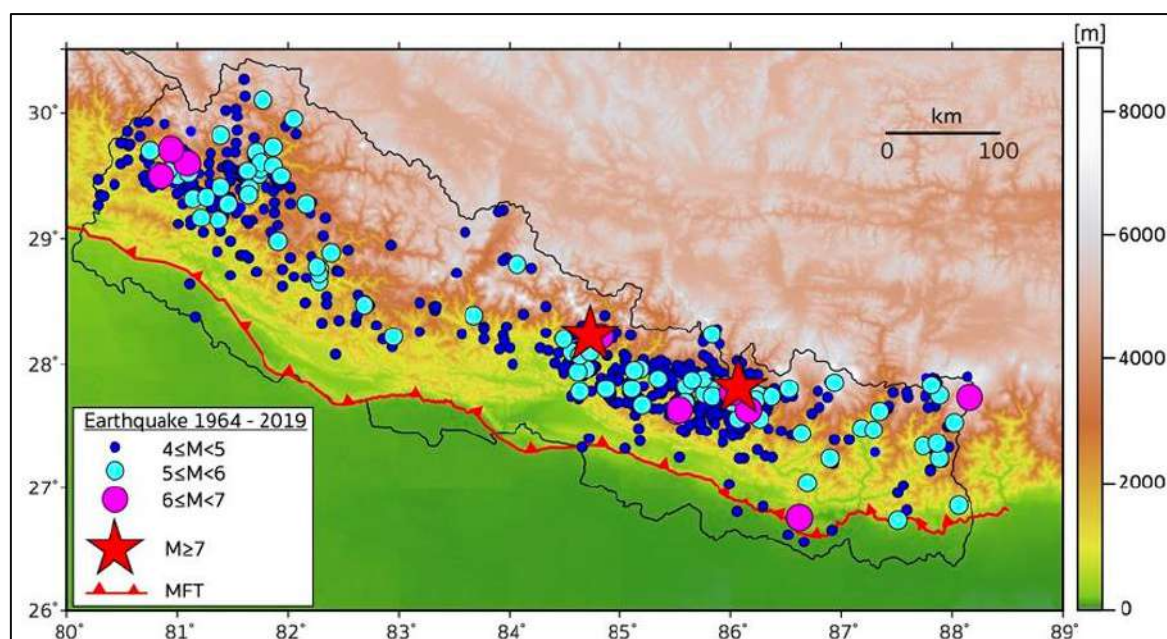


Figure 3-5: Seismicity map of Nepal from 1964 -2019⁴

3.1.4 Climate

The climate of the project area is lower temperate type. Based on record of DHM (2020), the temperature at the project area varied from -11.0°C to 10.0°C with total annual rainfall being 34.5 mm. Almost 80% of rainfall occurs during monsoons (June to September).

3.1.5 Air, Noise, Water Quality and Polluting Sources

The major air polluting sources recorded are only vehicular emission and dust problem from plying of vehicles and high wind velocity. Noise-polluting sources noted at the time of field study are similar to the air polluting sources. Unnecessary honking along the access road of the site is the source of noise generation. The following table shows the real-time quality of air and noise during a field study.

Table 3-1: Ambient Air and Noise Quality within the Proposed Subproject Site

SN	Location/ Chainage	Air Quality ⁵ -Temtop Airing-1000 PM Detector ($\mu\text{g}/\text{m}^3$)					Noise Level -UNI-T UT 353 Mini Sound Meter (dB)		
		PM _{2.5}	Level	PM ₁₀	Level	Average Time of Measurement	Measured	Ref. ⁶	Area
1.	Tapping Point	15.7	100	13.2	200	1-hour	23	50	Residential Area
2.	Substation	6.9		5.7			20		

Source: Field Visit, 2022

⁴ Source: USGS catalogue, 2019

⁵ National Indoor Air Quality Standard, 2009

⁶ National Ambient Sound Quality Standard, 2012

The air quality and noise level of the SPA were found within the range of the National Ambient Air Quality Standard and Noise Quality Standard, respectively.

The DL also crosses the Mugu Karnali River, along with Chhaina Khola, Ghata Khola, Salim Khola, Lumsa Khola where a strong foundation is needed on both banks. The construction activities of the Subproject components will not have impact to the local stream.

3.1.6 Solid Waste Management

Wastes were found littered in front of HHs and along the side of the access road near the Subproject areas. People in the nearby area were found managing organic wastes within the household premises. Recyclable waste (large quantities) was sold to scrap collector occasionally. The estimated quantity of solid waste generation from the labor camp is shown in **Table 3-2**.

Table 3-2: Estimated Daily Solid Waste Generation from Campsite

SN	Description	Calculation	Remarks
1.	Total Labors within the Campsite	= 20 Labors	
2.	Total Waste Generation to be Expected	= 20 * 123.62 g/capita/day = 2472.4 g/capita/day = 2.4724 kg/day	
3.	Organic Waste Composition Responsible for Foul Smell, and Rodents	= 1.26 kg/day	Assuming 51% organic waste
The rest of the other waste is recyclable, and non-decomposable which could be stored for long period, and have less impact on the environment if properly managed. The amount of organic waste is manageable within the Subproject site as organic waste per day will be expected to be only 1.26 kg/day.			

3.2 Biological Environment

The proposed Subproject distribution line passes along Dasaiya Community Forest (CF), Bhadali CF, Chuketi Belkati CF, Hariyali Bisevani CF, Chulle CF, Balu Kuna Naure Pakha CF, Thensingh Gyalbo CF and National Forest. The proposed substation lies in the area of Thensingh Gyalbo CF.

The floral species recorded during the field visit are Chir Pine (*Pinus roxburghii*), Angeri (*Lyonia ovalifolia*), Gobre Salla (*Pinus wallichiana*), Rhododendron (*Rhododendron arboreum*) and Utis (*Alnus nepalensis*). Similarly, wild animal recorded during the public consultation as well as direct and indirect sighting are Golden Jackel (*Canis aureus*), Asiatic Black Bear (*Ursus thibetanus*), Northern Red Muntjac (*Muntiacus vaginalis*), Large-eared Pika (*Ochotona macrotis*), Himalayan Goral (*Naemorhedus goral*), Common Leopard (*Panthera pardus*), Rhesus Monkey (*Macaca mulatta*), and Wild Boar (*Sus scrofa*). Altogether ten species of birds were noted around the surrounding project area House Crow (*Corvus splendens*), Western Spotted Dove (*Spilopelia suratensis*), Slaty-headed Parakeet (*Himalayapsitta himalayana*), House Sparrow (*Passer domesticus*), Tree Sparrow (*Passer montanus*), Himalayan Monal (*Lophophorus impejanus*), Rock Dove (*Columba livia*), Chukar

Partridge (*Alectoris chukar*), Cheer Pheasant (*Catreus wallichii*) and Common Myna (*Acridotheres tristis*).

The proposed Srinagar-Mangri 33 kV distribution line passes through the 7 different community forests and national forest as shown in Table 3-2. A total of 5,356 ha of the forest area will be occupied by RoW of proposed 33 kV distribution line and substation area. The estimated numbers of trees to be cleared from the Core Project Area of the distribution line alignment passes along different community forests are 1,514 and 56 trees at proposed land for substation. The proposed Subproject development site does not lie within any protected area or conservation area.

Table 3-3: The community forest along the proposed 33 kV distribution line

SN	Name of Forest	Chainage	District	Municipality/RM	Ward
1	Dasaiya CF	5+000-5+400	Mugu	Chhayanath Rara Municipality	1
2	Bhadali CF	5+600-5+700	Mugu	Chhayanath Rara Municipality	1
3	Bhadali CF	6+600-8+000	Mugu	Chhayanath Rara Municipality	1
4	Chuketi Belkati CF	8+400-10+000	Mugu	Chhayanath Rara Municipality	12
5	Hariyali Bisepani CF	12+200-17+000	Mugu	Chhayanath Rara Municipality	12
6	National Forest	10+200-11+200	Mugu	Chhayanath Rara Municipality	12
7	Chulle CF	17+200-17+400	Mugu	Mugum Karmarong RM	9
8	Balu Kuna Naure Pakha CF	17+600-19+500	Mugu	Mugum Karmarong RM	9
9	Thensingh Gyalbo CF	19+500-20+500	Mugu	Mugum Karmarong RM	8

3.3 Socio-economic Environment

Demography and Ethnic Compositions: The proposed Subproject area lies in Ward No. 1, 2, 4, 11 and 12 of Chhayanath Rara Municipality and Ward No. 8 and 9 of Mugum Karmarong RM. Gamgadhi Bazaar is the nearest business markets nearby the Subproject area. The general demographic information of the affected Municipality is presented in **Table 3-4**. The major ethnic compositions within the surrounding project area i.e., Ward No. 1, 2, 4, 11 & 12 of Chhayanath Rara Municipality and Ward No. 8 & 9 of Mugum Karmarong RM, are Chhetri (50.98%), Tamang (15.85%), Thakuri (9.45%), Dalit (20.91%), Bhramin (0.98%) and Newar (0.53%) of the total population of 8,546. The majority of people follow the Hinduism and rest follow Buddhism and Christianity. The people from indigenous community are living Core Project Area (CPA) of the Subproject but this subproject will not affect any indigenous people.

Table 3-4: General Demographic Characteristic of Subproject Municipality

S.N.	Local Level	Ward No.	HH	Population		
				Male	Female	Total
1	Chhayanath Rara Municipality	1	280	718	713	1431
2		2	313	664	654	1318
3		4	274	779	770	1549

S.N.	Local Level	Ward No.	HH	Population		
				Male	Female	Total
4	Mugum Karmarang RM	11	176	510	498	1008
5		12	269	807	773	1580
7		8	130	342	362	704
		9	180	506	450	956
Total			1,622	4,326	4,220	8,546

Source: (CBS, Rural Municipality-Municipality Profile of Mugu District, 2018)

Road Accessibility: Tapping Point along with Wards 1, 2, 4, 11, and 12 of Chhayanath Rara Municipality and Ward 8 and 9 of Mugum Karmarang RM is connected with local road section. The transportation facilities in this locality are good. It will take just 30-45 minutes to reach Municipality/RM office from the Subproject area.

Electricity Beneficiaries: The implementation of the Subproject will increase the electricity beneficiaries to 1964 HHs, 25 commercial purposes, and 10 industries. This will expand the electricity supply in the Subproject area with clean energy sources.

Water and Sanitation: Tap/piped water is the main source of drinking water in the surrounding Subproject area. Besides, the tap and piped water most of the houses of this sub project site are using spout water. Almost all households of this sub project site have toilet facilities.

Health Facility: The nearest and easily accessible equipped health facility nearby the proposed Subproject area is in Gamgadhi Bazaar i.e., Mugu District Hospital located at a distance of 4000 m from tapping point.

Communication: People of the Subproject have access to communication facilities mainly through mobile telephone services. In the Subproject area, people have access to local and national FM Radio networks and local newspaper facilities.

Occupation: Agriculture is the main occupation of people in the Subproject area with nearly 70% contribution; small trade and business/enterprises and services are other occupations of people in the Subproject area. Intermittent tripping and voltage drop of electricity were adversely affecting the irrigation of crops and daily household chores activities.

COVID-19: The coronavirus (COVID-19) pandemic has been defined as a global health crisis; the virus has spread in almost all parts of Nepal. Heedful of its vulnerabilities, the Government of Nepal enforced a nationwide lockdown in 2020/2021 and activated its federal, provincial and local level mechanisms to respond to the crisis. In case of any sudden surge or outbreak of COVID-19, quarantine facilities and immediate health supports should be provided to the workers and personnel involved in construction.

Other seasonal and minor diseases like fever, sneezing, cough, gastritis, diabetes, pneumonia and mental disorder have been reported within the Subproject area.

4. ANTICIPATED ENVIRONMENTAL AND SOCIAL IMPACTS AND MITIGATION MEASURES

The environmental and social impacts predicted during the construction of the proposed Subproject are discussed in this chapter. National Environmental Impact Assessment Guidelines (GoN, 2050) have been referred for the predicting magnitude, extent, and duration of the project-induced environmental impacts in the Subproject area. This chapter identifies the basic environmental and social impacts in the Subproject area that will arise during the construction. The detailed impacts of each domain of environmental and social safeguards have been addressed in this chapter.

4.1 Anticipated Beneficial Impacts

Construction Phase

4.1.1 Local Employment

Local employment will be created during the construction phase. As mentioned in section 2.8 Workforce Requirement, the typical construction team will have 27 skilled manpower and 78 unskilled manpower for the period of 10-12 months for the erection of poles and stringing the distribution lines and 16-18 months of time for the building the substation. Local people within the SPA and OPA will be encouraged for employment during construction phase. Both males and females will get equal opportunities during the construction. Based on the skill levels (skilled, semi-skilled and unskilled labor) local people will be used for the construction as far as possible. *The magnitude of impact is considered moderate, the extent is local, and the duration is short-term.*

Operation Phase

4.1.2 Local Economy and Enhancement in Rural Electrification

The local economy will benefit through improved reliability of electricity supply, which is a necessary condition for economic growth. Different industries within/nearby the proposed Subproject area will be established. Intermittent tripping and voltage drop problems nearby the settlement areas will be reduced. Upgrading and expansion of electricity distribution help to way-out many electricity-related issues and promotes the use of new types of home appliances, the use of electric motors for irrigation, and the establishment of small and large industries. *The magnitude of impact is considered high, the extent is local, and the duration is long-term.*

4.1.3 Greenhouse Gas Emission Balance

Net Green House Gas (GHG) emissions resulting from the Subproject area are expected to be low as the distribution lines will improve and expand the electricity supply from clean energy sources. It will reduce the emission of GHG from traditional source like Guitha (made from cow dung), firewood and timber along with commercial fuel Kerosene for cooking/lighting, heating, and diesel for water pumping. *The magnitude of impact is high, the extent is local, and the duration is long-term.*

4.2 Anticipated Adverse Impacts

A. Physical Environment

Construction Phase

4.2.1 Change in Land Use

The Subproject requires about 0.53 ha of land for the substation. The proposed substation land area belongs to Thensign Gyalbo Community Forest User Group, i.e., government land. The land will be managed by NEA and will be converted to the substation area surrounded by proper boundary wall. Distribution Line passes through edge of private land, public land, national forest and community. The construction of the Subproject will bring change in land use permanently. Potential impacts caused by distribution lines will be limited to approximately 0.22 m of land for each pole, at the edge of forests, public and cultivated lands. *The impacts due to the use of land will be moderate in magnitude, site-specific and long-term in duration.*

Mitigation Measures

- Steel Tubular Pole for distribution lines will be planted at the edge of public, national and community forests land. In the case of cultivated land, minimal land will be used at the edge for planting the poles.
- A cropping calendar will be followed while planting poles and stringing conductors so that standing crops will not be damaged.
- In case of loss of standing crops, compensation will be made to the respective land owner as per the prevailing market rate.

4.2.2 Erosion and Landslide

The proposed distribution line crosses the Mugu Karnali River and other small streams and is susceptible to high erosion and landslide from during rainy season. The distribution line length is 20.3 km and about 500 m length passes nearby and crosses to the Mugu Karnali River along with small stream adjoining edge of private land, public land and community forest land up to the proposed substation at Mugum Karmarong - 9, Mangri. *The magnitude of impact is moderate, the extent is site-specific, and the duration is long-term.*

Mitigation Measures

- Concrete foundation is recommended for Steel tubular pole installation for 33 kV lines.
- Pit hole prepared for the installation of steel tubular pole shall not be left open as possibility of accident may arise.
- Protection works along the eroded section of the Mugu Karnali River and small stream at 500 m of the distribution line stretch.
- The client needs to coordinate with local level governments and request the local government to give priority for the embankment activities for the protection of cultivated land and proposed 33 kV distribution lines.

4.2.3 Air Quality

The impact on air quality during the construction period is expected to be insignificant, as site clearance, excavation, stockpiling of construction materials, waste burning at camp

sites and equipment installation are localized and short-term. Transportation of the materials and movement of construction crew and equipment will have minor impact on air quality. *The impact on air quality will be minor in magnitude, site-specific in terms of extent, and of short duration.*

Mitigation Measures

- Contractors' vehicles and equipment should meet Nepali vehicle emissions standards.
- Dust emissions will be controlled with using water sprays on earthen roads nearby settlements in the substation area.
- Open burning of wastes should be strictly prohibited.
- Construction workers should use face masks at all times.
- All dust-generating loads carried in open trucks should be covered.

4.2.4 Noise

Noise is inevitable during construction. As noted in section 3.1.5, noise is less around the substation area as the area is rural and settlement is sparse. Construction-related noise will be limited to vehicular movement and inside-the-fence construction activities at substations sites; construction-related noise is not expected to exceed acceptable levels. *The impact on noise level will be minor in magnitude, site-specific in terms of extent, and of short duration.*

Mitigation Measures

- Contractors will be required to monitor noise during construction.
- For the substation site, boundary walls serve a noise barrier, and they should be constructed as early as possible.

4.2.5 Drainage and Water Quality

Substation sites of 0.53 ha. will result in a slight alteration of drainage patterns, although the alterations in drainage will not be quantifiable. Interference with drainage patterns will be temporary during the construction phase only. The impact on water quality during the construction period is expected to be insignificant. Water will be used primarily as a cement additive for the construction of substation foundations and boundary walls, and to control dust. *The magnitude of impact is considered low, the extent is site-specific, and the duration is short-term.*

Mitigation Measures

- Storm water run-off from substation sites will be minimized and controlled by bundling temporary dikes (constructed boundary walls will also help contain run-off water).
- Proper management of ground drainage from camps as a preventive measure against the breeding places of mosquitoes, and other pests.

4.2.6 Soil and Muck

As the proposed substation land's ground level is sloppy, cutting and filling of soil is necessary. The required filling materials will be generated by cutting of proposed land but if it required to purchase, it shall be purchases from nearby authorized crusher plant approved by the local government. For distribution lines the excavation activity will be

insignificant. *The magnitude of impact is low, the extent is site-specific, and the duration is short-term.*

Mitigation Measures

- Soil required for filling shall be purchased from the nearby authorized crusher plant under local government.
- Soil shall be covered with a tarpaulin while transporting it from earth-borrowing areas.
- Simultaneous water sprinkling and compaction of spoil shall be done using the roller.

4.2.7 Solid Wastes

The wastes generated during construction within the Subproject area are cement bags, iron bars, and other leftover construction materials, and waste generated by the labor camp. It might cause an adverse impact if not properly managed. Organic wastes generated from labor camps may give a foul smell, and attract rodents if not managed properly. Inorganic wastes generated during implementation shall be managed through source segregation. *The magnitude of impact is low, the extent is site-specific, and the duration is short-term.*

Mitigation Measures

- Source segregation of organic and inorganic wastes in different storage areas or facilities in the designated location.
- The organic waste generated from the campsite shall be managed within the substation premises, through composting in the bin or by constructing a ground pit, and covered by a thick layer of soil on daily basis.
- Reusable waste like debris, broken brick pieces, sand, stone, waste cement, and sand mix shall be used as refills for ground leveling.
- Packing materials used for casing components should be recyclable.
- Recyclable wastes like left out/non-usable reinforcement bars and packing materials shall be sent or sold to scrap vendors.
- Chemical waste generated from the transformer shall be collected in leakage-proof, corrosion-free, and specially-designed containers and sealed carefully.
- Effective coordination shall be done with the local level government for proper waste management during the construction period.

4.2.8 Electric and Fire Hazard

Employees performing servicing or maintenance of substations may be exposed to electric shock, burns and injuries from the unexpected energization or release of stored energy in the equipment. *The magnitude of impact is considered moderate, the extent is site-specific, and the duration is long-term.*

Mitigation Measures

For this, the following mitigation measures will be practiced:

- are
- Boundary walls and security fences around the substation are recommended to prevent unauthorized access.
- Only trained and authorized personnel shall be allowed for electrical work.
- Warning signs shall be installed.

B. Biological Environment

The distribution line of proposed Subproject passes through the forest area but avoids other sensitive biodiversity area. Hence, there will be no significant impact to biological environment because of construction of substation and distribution lines.

Construction Phase

4.2.9 Loss of Habitat

The proposed substation area lies at Thensign Gyalbo CF and covered with trees and poles whereas the 33 kV distribution line passes through the edges of farm lands public lands and forest areas. The total area of the forest area that will be occupied within RoW of the proposed 33 kV distribution line and substation area is 5.35 ha. The estimated numbers of trees to be cleared from the Core Project Area of the distribution line alignment passes along different community forests are 1514 and 56 trees from proposed land for substation. The possible use of firewood should be restricted during the construction activities. *The magnitude of impact is moderate, the extent is site-specific, and the duration is long-term.*

Table 4-1: Detail of impacted forest area and trees loss

Area (ha)			Name of species	No. of trees	
33kV line	Substation	Total		33kV line	Substation
4.82	0.53	5.35	<i>Pinus roxburghii</i>	840	-
			<i>Lyonia ovalifolia</i>	83	-
			<i>Pinus wallichaina</i>	248	56
			<i>Rhododendron arboreum</i>	220	-
			<i>Quercus leucotrichophora</i>	41	-
			<i>Alnus nepalensis</i>	83	-
			Total	1514	56
			Grand Total	1570	

Mitigation Measures

- Compensatory plantation shall be done as per Forest Regulation, 2079 (2022).
- Compensatory plantation to be made in the ratio 1:10, including cost for seedling and management cost for 5 years.
- Labors and staffs should be restricted to use firewood for cooking.
- Providing LPG based stoves in Labor camp.
- Labors and staff shall be made aware to avoid illegal activities in adjoining forest.

Operation Phase

4.2.10 Bird electrocution and collision

The Subproject area is located in a rural setting and there is no presence of critical habitat of avian fauna. Electrocution is a risk to bird species that perch on power line infrastructures (substations and distribution lines). List of birds presented in section 3.2,

may collide to distribution lines and substation. Minimizing bird collision and electrocution risk is therefore a win-win for biodiversity and the power sector. *The magnitude of impact is low, the extent is site-specific, and the duration is long-term.*

Mitigation Measures

- Bird guards should be installed above the poles and white spirals in the conductors to improve visibility electrical structures.

C. Socio-Economic and Cultural Environment

The anticipated impacts regarding the socio-economic and cultural environment associated with Subproject are discussed below:

Construction Phase

4.2.11 Land Requirement

The land required for the proposed substation area is 0.53 ha and is the government land, managed by Thensingh Gyalbo Community Forest User Group. This has been confirmed officially through Community Forest User Group and Ward Office, Mugum Karmarong RM. The proposed physical activities of the Subproject will not be involved in private land. Therefore, there will be no land acquisition and resettlement impacts. In case of 33 kV distribution line, 20.3 km length which passes through private land, public land, national forest and community forest land. The impacts on the crops while stringing of lines should be minimized. During the public consultation people have agreed to support the implementation of the Subproject (**Annex 5**). Compensation shall be made based on crop types and quantity of loss equivalent to the market price. *The impacts will be low in magnitude, site-specific and long-term in duration.*

Mitigation Measures

- A distribution pole of diameter 0.22 m should be installed on the edge of cultivated land making no loss of standing crops.
- If there is a loss of crops, appropriate compensation shall be made.

4.2.12 Public Health

Construction activities will be of small scale, causing no significant adverse impact to existing quality of air, water and sound. Local people except the workers do not involve in construction activities. Considering the COVID-19 pandemic as an example, workers will be advised to avoid unnecessary contact with local people. *The magnitude of impact is low, the extent is site-specific, and the duration is short-term.*

Mitigation Measures

- Contractors shall implement health and safety plans.
- Awareness of HIV/AIDS and other sexually transmitted disease should be provided to the labors.
- Awareness of basic sanitation and waste management should be provided to the labors.
- For coronavirus (COVID-19) pandemic situation, contractor needs to handle the situation in case of any sudden surge and standardize the quarantine facilities with health aid to the labors.

4.2.13 Occupational Hazards and Safety of Workers

Occupational hazard and the safety of workers is the major issue during the construction period. Working without adopting safety measures during excavation work, spoil management work, mechanical and electrical equipment handling activities, chemical handling, etc. during construction may call the risk of accident. The primary victims are the workers involved in the construction. *So, the envisaged direct impact is high in magnitude, site-specific in extent, and short-term in duration.*

Mitigation Measures

- The contractor shall prepare the Environmental, Health and Safety plan and take approval from the Client (NEA/PIU). The contractor shall employ Safety officer during the construction period.
- All employees shall be provided with the necessary training, and safety equipment as required for their responsibilities and duties. The Contractor will adhere to labor Act 2074 and Labor Rules 2075.
- The basic facilities of drinking water, sanitation & clean resting place, canteen, and first aid are required for the campsite.
- All the workers shall have health insurance throughout construction.
- Installation of warning signs (High Voltage, Fire Safety Signs, and Emergency Signs) as shown in **ANNEX 7**.
- NEA will be responsible to supervise the EHS performance of the construction Contractor, and workers' health and safety.

4.2.14 Child Labor, and Gender Issues

During the construction period, people employed on daily wages for excavation, transportation of construction materials, and other construction-related works should avoid the involvement children and should avoid gender discrimination. Gender discrimination may occur as the Contractor may not be sensitive towards gender equity. Contractors should equally pay men and women workers. Construction area should be gender friendly with required facilities. *The envisaged impact is high in magnitude, site-specific in extent, and short-term in duration.*

Mitigation Measures

The Subproject will ensure to:

- Provide equal wage to male and female for similar nature of work.
- Prohibit the use of child labor i.e., below 16 years of age (which is as per government and ILO guidelines).
- Provide female friendly construction environment with separate cabins and toilet for women in the camp.
- Prepare suitable work categorization for women.

4.2.15 Socially Undesirable Activities

The workers may use alcohol and other forms of intoxication, gamble and quarrel with locals, disrespect local culture and religion, and may promote socially undesirable activities in and around the project area. *So, the envisaged impact is low in magnitude, local in extent, and short-term in duration.*

Mitigation Measures

- Restrict movement of workers out of camp after dinner time at the night.
- Prohibit the use of alcohol and gambling in the camp.
- Supply water supply, daily consumable items, and communication facility in the camp so as not to create additional pressure on the local services.
- Orient workers to show respect for local tradition and culture.
- Prepare a code of conduct for all project staff, orient them and monitor that these are effectively followed by all.
- Assign a public relation officer to keep close and regular consultation and coordination with local communities.
- Regular monitoring of workers' behavior and taking appropriate measure on rule violators.

Operation Phase

4.2.1 Hazards and Safety

Occupational health hazard and the safety of staff are the major issues during the operation phase of the substation. The possible electric shock and fire hazard might cause injury or death to working staff thus protection measures should be taken all the time. *The envisaged direct impact is high in magnitude, site-specific in extent, and long-term in duration.*

Mitigation Measures

- There will be the use of insulation, guarding, grounding, electrical protective devices, and safe work practices.
- Boundary walls and / or security fences around substations to prevent unauthorized access.
- Only trained and authorized personnel will be allowed for the electrical works.
- No electric wire shall be strung above the house.
- Security fences around the substation.
- Establishment of warning signs
- Shutdown shall be taken during work on the DL route

4.2.2 Electric and Magnetic Field Effect

Electric power distribution lines create electric and magnetic fields together, referred to as electromagnetic fields (EMF). Electrical flux density declines in inverse proportion to the square of the distance and magnetic fields decline in inverse proportion to the cube of the distance; so, there will be no impact outside of the substation boundaries.⁷ Research on the long-term effects of EMF associated with distribution lines is inconclusive for health risks. As noted in the World Bank EHS guidelines for transmission and distribution systems, there is no empirical data demonstrating adverse health effects from exposure to typical EMF levels from power transmission lines and equipment.

5. INFORMATION DISCLOSURE, CONSULTATION, AND PARTICIPATION

⁷ E.g., at a distance of 10 meters from a single distribution line or conductor, electrical flux density drops to 1% of the field strength at a distance of 1 meter from the conductor: $1 / (10^2) = 1\%$. Likewise, the magnetic field drops to 0.1% of the field strength at the conductor: $1 / (10^3) = 0.1\%$.

5.1 Methodology in Information Disclosure, Consultation and Participation

The following methodologies were followed for information disclosure, consultation and participation:

- i. Identification of the stakeholder is important to understand how the Subproject activities will relate different institutions/groups/individuals. Stakeholders are the groups that might be affected by the Subproject or might influence Subproject outcomes. The identified stakeholders are considered into three groups (**Figure 5-1**).

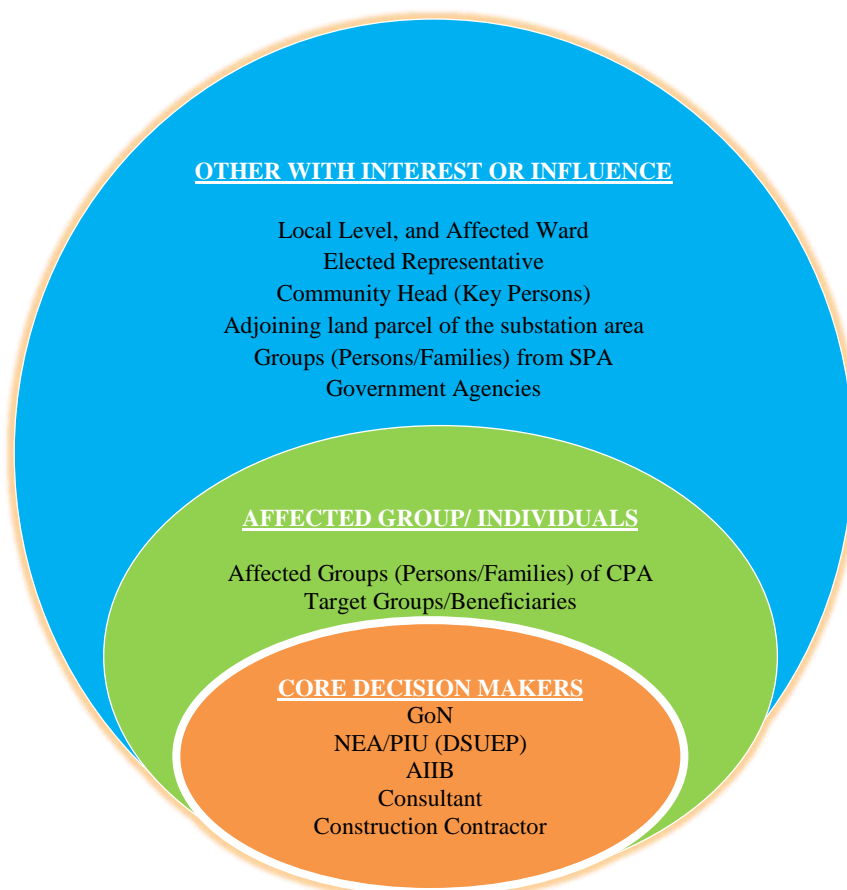


Figure 5-1: Identified Stakeholder in the Subproject⁸

- ii. The notice with the subject of consultation, venue, and time were pasted at the Subproject footprint area, local level and affected Ward office in presence of concerned local stakeholders. People were explained about the notices and their views were noted and agreed upon as Minutes.
- iii. Study team members visited all the local government offices within the Subproject influence area. Representatives from each local body were also consulted. All local governments were given request letters for their active support in project implementation. Municipalities were requested to provide written suggestions. The deed of inquiry (Muchulkas) and Letter of Declaration from the stakeholders are presented in **Annex 6**.

⁸ Referenced Meaningful stakeholder engagement: a joint publication of the MFI working group on environmental and social standards / Reidar Kvam, PP-19, 2019.

- iv. Local communities nearby the substation area and along the distribution line routes were consulted, and were briefed about the Subproject activities and likely benefits with their suggestions (included in the Minutes).
- v. During the Subproject construction phase, booklets informing about the Subproject activities, likely impacts, and mitigation measures together with the complaints handling mechanisms will be developed and distributed in the Subproject area.

5.2 Consultation and Information Disclosure

The consultation aims to encourage the participation of stakeholders and communities of the Subproject area in the identification of issues, comments, and suggestions. The Subproject affected groups (persons/families) were given more emphasis during the field consultations. Public consultations were conducted at Chhayanth Rara Municipality, Ward No. 2, Gamgadhi, 1st June 2022, Chhayanth Rara Mun, Ward No. 1, Chhatyalbada on 3rd June 2022, Ward 11 of Chhayanth Rara Municipality and Ward 12 Lumsa on 5th June 2022, Chhayanth Rara Municipality, Ward No. 8 & 9 on 5th June, 2022 and 6th June 2022, Mugum Karmarong RM, Ward No. 1, Ghata on 8th June, 2022, Chhayanth Rara Mun, (Figure 5-2). The concerns expressed and issues/ raised during the consultation were documented as in the form of minutes (Annex 5).

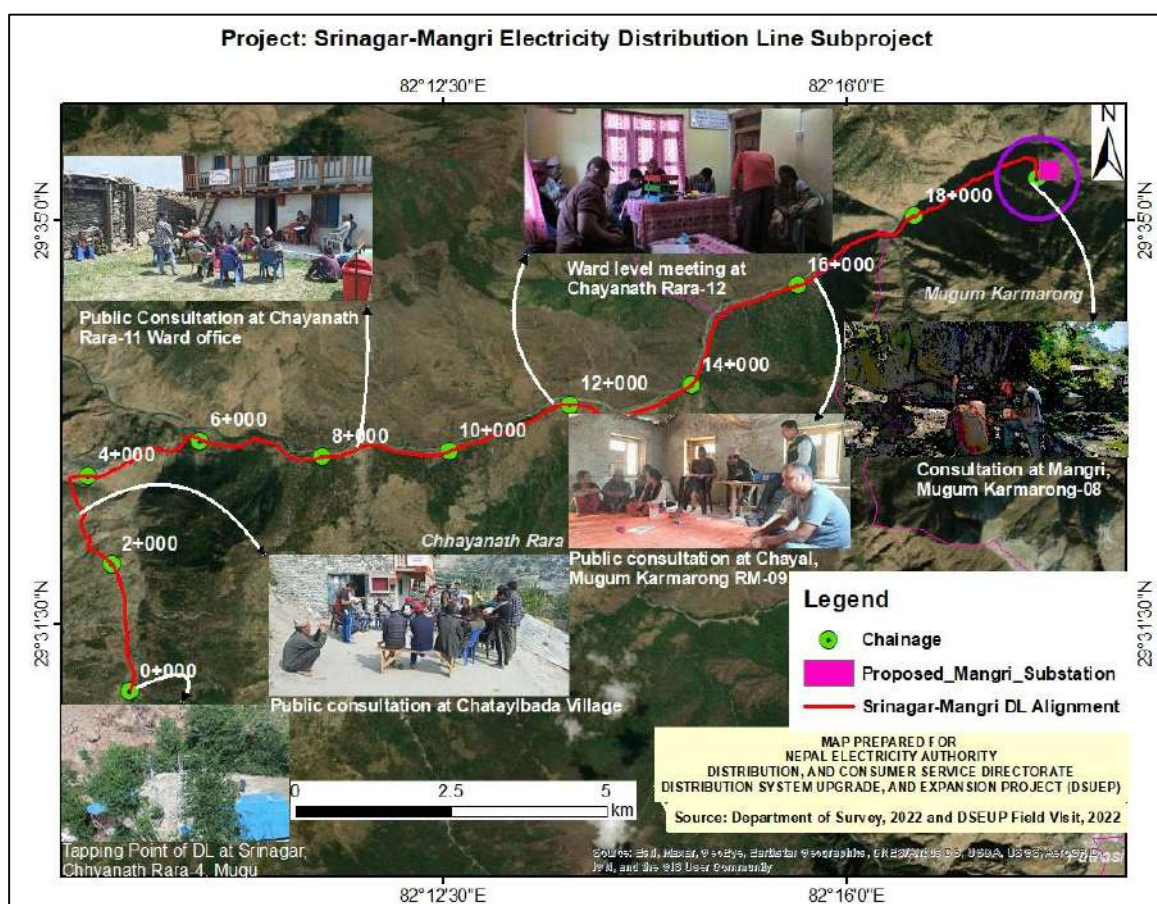


Figure 5-2: Consultation with the stakeholders and communities in the Subproject Area.⁹

⁹ Field Study, 2022. Used SW Map and GIS

Major benefits expected from the implementation of the Subproject through the perspective of local people were identified from public interaction, and that included improvement in the rural electrification facilities ensuring uninterrupted electricity in the households and better functioning of industries in the locality. The issues, comments and suggestions received in the consultation are presented in **Table 5-1**.

5.3 Comments and Suggestion Received

Table 5-1: Summary of issues, comments and suggestions received in Consultations

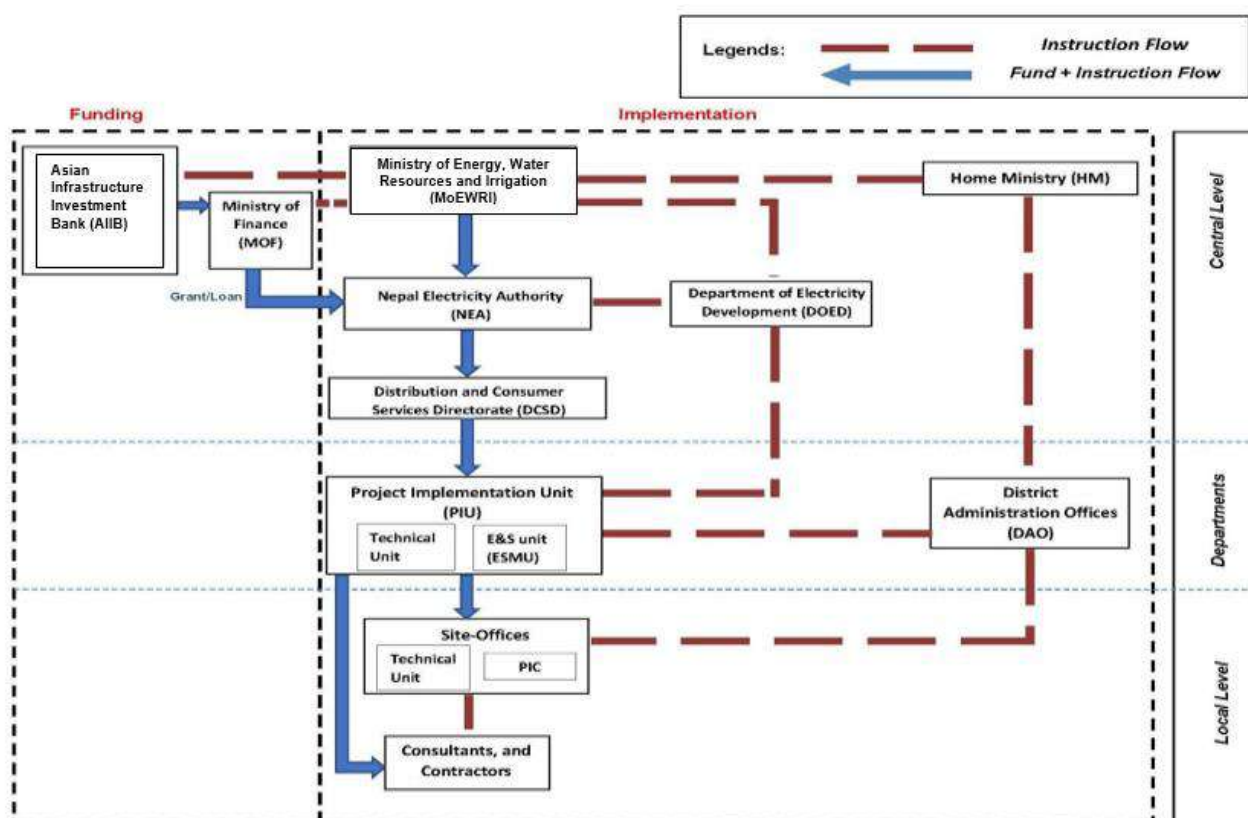
Source: Field Visit, 2022

Date	Location	Issues, comments and suggestions received	Participants
3 rd June, 2022	Chhayanath Rara Municipality-1, Chhatyalbada	<ul style="list-style-type: none"> The expert team from NEAEC has described and shared the information about the proposed subproject. While this sub-project start working on the distribution line, the pole should take from outside the settlement area and placed on the edge or side of the land when it is taken from a private property. When the distribution line is extended, the project will have to provide information to the landlord before the line is started, otherwise the project will have to be compensated for the damage to the crop and the plant. During the project construction period a priority should be given employment for families directly affected. There are no proper electricity supplies in the region. So, this sub-project should be conducted as quickly as possible. There are no impacts on the cultural, occupation, religion and customary right of our aboriginal tribes by the extension of distribution line of this sub-project in our community. The proposed sub-project will remain full support from the family affected by the distribution line. There are no proper electricity supplies in the region so, this sub-project should be conducted as quickly as possible. The ward office must coordinate with the affected household and community in case of any issues arise The proposed land for substation of this subproject lies at Thaensingh Gyalbo Community Forest 	31,1F-30M
5 th June, 2022	Chhayanath Rara Municipality-11, Raba		25,5F-20M
5 th June, 2022	Chhayanath Rara Municipality-12, Lumsa		25,4F-21M
6 th June, 2022	Mugum Karmarong RM-9, Chhayal Chaur		18,6F-12M
6 th June, 2022	Mugum Karmarong RM-8, Mangri		15,0F-15M
10 th January, 2022	Chhayanath Rara M-1, Ghhat		11,4F-7M

6. INSTITUTIONAL ARRANGEMENT AND GRIEVANCE REDRESS MECHANISM

6.1 Institutional Arrangement

The Ministry of Energy, Water Resources and Irrigation (MEWRI) is responsible for the overall planning and execution of the plans for the overall development of the water and energy sector in Nepal. Nepal Electricity Authority (NEA) under MEWRI is the responsible agency for the implementation of the DSUEP. The project comes under the Distribution and Consumer Services Directorate (DCSD) of NEA. Project Implementation Unit (PIU) under DSUEP is the implementing unit of the project. The Environment and Social Management Unit will be within PIU. All the resources needed for the EMP implementation for the construction and operation phase will be provided by the PIU. The site offices under PIU will have a supervision consultant with an environmental and social safeguard specialist, who will be responsible for compliance monitoring activities during the construction phase. He will also provide technical support in preparing the monitoring report.



Source: ESMF-DSUEP

Figure 6-1: Institutional Arrangement for Environmental and Social Management

The contractor shall have the main responsibility to ensure compliance. The Contractor shall prepare an Environment, Health and Safety (EHS) report that would be approved by DSUEP/PIU before field mobilization. They need to strictly follow the EHS plan requirements. The contractor shall urgently comply with corrective actions for any noncompliance as instructed by PIU. The ESMU of PIU shall provide safeguard compliance orientation to all environment monitors and safeguard team of the contractor, one month before the construction works start.

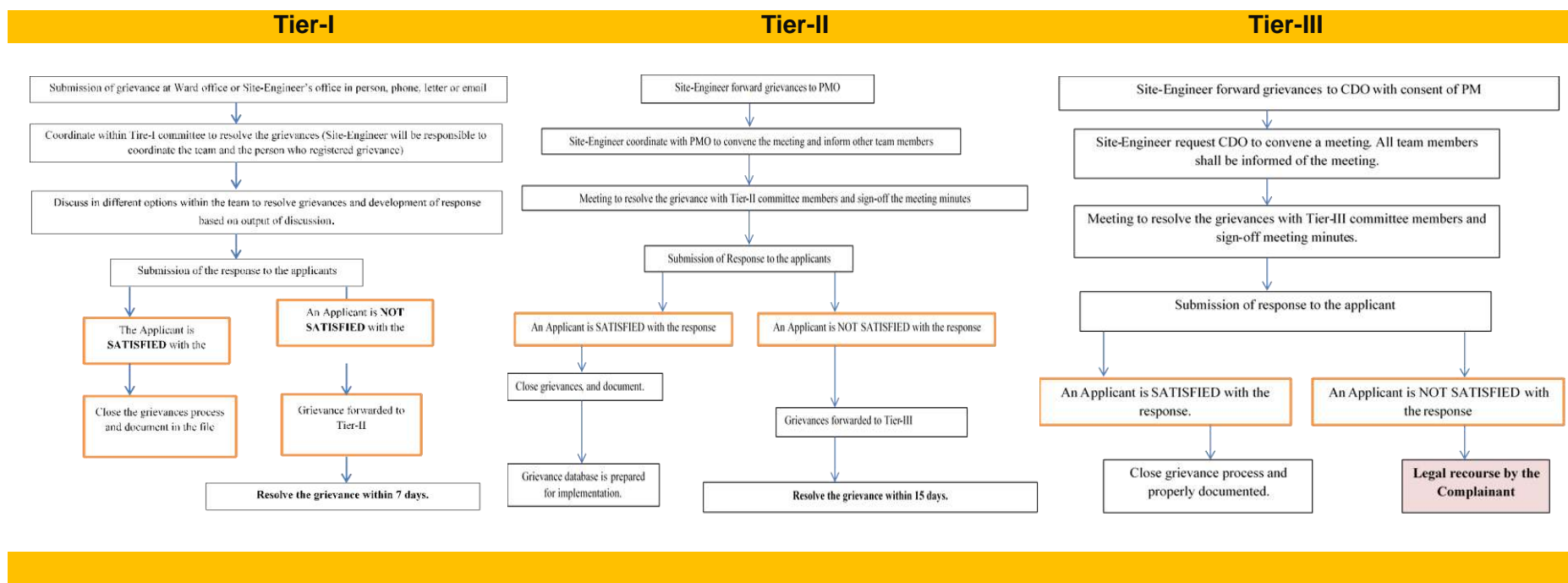
6.2 Grievance Redress Mechanism

The Grievance Redress Mechanism (GRM) has been established to receive, evaluate, and facilitate the resolution of affected people's concerns, complaints, and grievances about social and environmental-related issues at the subproject level. The GRM is designed to be simple, transparent, and responsive. GRM shall address only the concerns arising due to the project implementation activities, mainly during the construction stage. Social Comment Addressed -In each subproject, three levels of Grievance Redress Mechanism will be established. During the ESMP study period, NEA disseminated letters to the local level stakeholders regarding the formation of the GRM at the subproject level. To date, NEA has established Tier-I and Tier-II GRM has been established at the local wards level and Municipality/RM level. Tier-II will be established before construction work starts.

GRM process entails the concerned party submitting a grievance either in-person, via phone, letter, or email to the Site-Engineer or the concerned Municipality Chief or the concerned Ward Chair. The Site-Engineer will record the complaint. In cases where Ward Chair has received such a grievance, he/she should forward the grievance to the field office Engineer. The Site-Engineer shall notify the committee members of Tier-I and arrange a meeting to resolve the received grievances. If not resolved such grievances will be carried to Tier II and Tier III. The three levels of GRM will be based on time-bound schedules as mentioned in **Table 6-1**. The subproject will carry the regular meeting for Tier-I, once a month to follow up if any grievances are received or not and to resolve the grievances received and update its status to PIU. **Figure 6-2** describes the Workflow Diagram of GRM for the Subprojects.

Table 6-1: Levels of Grievance Redress Mechanism Based on Time Bound

Provisions	Levels of Grievance Redress Mechanism					
	First Level (Tier-I)		Second Level (Tier-II)		Third Level (Tier-III)	
Level	Local Level		Project Manager Office (PMO) headed by the Project Manager (PM) at Project Implementation Unit (PIU)		District Level	
Supervisory	NEA Site-Engineer		PMO		Chief District Officer (CDO)	
Assistance	Chief/Mayor of Concerned Local Level and Chairperson/ Representative of Ward, Construction Contractor's (CC) Representative and Project Supervision Consultant's (PSC) Safeguards Officer		NEA Site-Engineer and PSC's Social Expert, and Construction Contractor		PMO, affected persons, representative from Rural Municipality/Municipality, Site-Engineer, PSC's Social Expert. <i>If deemed necessary, representative from Forest Office, representative from Land Revenue Office, and representative from Land Survey Office are invited.</i>	
Days for Resolving Complain	7 days of receipt of a complaints/ grievance		15 days of complaints forwarded by Site-Engineer		15 days	
Committee Members	Committee Member	Designation	Committee Member	Designation	Committee Member	Designation
	Municipality Chief	Coordinator	Project Manager	Coordinator	Chief District Officer (CDO)	Chair
	Site-Engineer-NEA	Member secretary	Site-Engineer	Member Secretary	Project Manager	Coordinator
	Safeguards Expert from Consultant	Member	Municipality Chief	Member	Site-Engineer	Member Secretary
	Contractor Engineer	Member	Safeguards Expert from Consultant	Member	Municipality Chief/Ward Chair	Member
	Ward Chair	Member	Contractor Engineer	Member	Safeguards expert from consultant	Member
					Contractor Engineer	Member
					Representative from affected people	Member

Figure 6-2: Workflow Diagram for GRM from NEA¹⁰

* Affected People (AP) have the right to refer the grievances to appropriate courts of law if not satisfied with the redress at any stage of the process i.e., the AP will have the choice to approach country's judicial system.

¹⁰ Grievance Redress Mechanism (GRM) Prepared for the sub-projects financed by Asian Infrastructure Investment Bank (AIIB) under Distribution System Upgrade and Expansion Project (DSUEP), Nepal Electricity Authority (NEA), May 2021.

7. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

7.1 Environmental and Social Management Plan and Mitigation Measures

The overall Environmental and Social Management Plan of the Subproject is presented in **Table 7-1**. The ESMP will be implemented in three stages: (i) pre-construction (ii) construction, and (iii) operations and maintenance. This ESMP is a living document and will be updated and modified under the supervision of ESMU of PIU.

Table 7-1: Environmental and Social Management Plan (ESMP)

Project Activity	Environmental and Social Issues	Management/Mitigation Measures	Mitigation Cost	Responsibility	
				Planning and Implementation	Supervision and Monitoring
Pre-construction Phase					
Approvals, permits and clearances	<ul style="list-style-type: none">Installation of poles along the edge of private farm lands	<ul style="list-style-type: none">Site office and the contractor must inform the community prior to the installation of poles and stringing of the line along DL route		Site Office/ Contractor/	DSUEP (PIU)/NEA
Construction Phase					
Construction work in substation area and distribution line alignment	<ul style="list-style-type: none">Inadequate/unsafe working conditions	<ul style="list-style-type: none">Appropriate contract clauses to ensure satisfactory implementation of contractual environmental, health, and safety measures.		Site Office/Contractor	PIU/NEA
	<ul style="list-style-type: none">Accident may arise if the pit hole (depth-2m and diameter-0.22 m) prepared for steel tubular poles remains open for long time	<ul style="list-style-type: none">Pit holes for the steel tubular pole shall not be left open and should be filled instantly by erecting poles and concrete-cement around the base, should be used to strengthen the pole erectionContractors should follow the guideline provided by the PIU	Project Cost	Contractor/ Site Office	PIU/ESMU/ PIU
	<ul style="list-style-type: none">Dust emission - transportation of materials and	<ul style="list-style-type: none">Water sprays to be used for dust control as necessary in the earthen roads of the settlements nearby the substation area and	Air Quality Monitoring- 1,50,000.00 (NRs.)	Contractor/ Site Office	PIU/ESMU

	<p>movement of construction crew and equipment will cause minor impact</p>	<p>proper storage of the construction materials (sand, cements, aggregates and spoil) to be stored in substation area.</p> <ul style="list-style-type: none"> Steel poles firstly stocked in the substation area and secondly in the open barren area in coordination with Municipalities and Rural Municipalities. No social and environmental issues for the stockpiling of the steel poles and stringing wires 	<p>Sprinkling water (Dust Management) 2,00,000.00 (NRs.)</p>		
	<ul style="list-style-type: none"> Noise emission-Construction related noise will be limited to vehicular movement and inside-the-fence construction activities at substations sites 	<ul style="list-style-type: none"> Boundary walls serves as a noise barrier, and these shall be constructed as early as possible. Construction equipment to meet national emissions and noise control standards. 	<p>Noise Level Monitoring-50,000.00 (NRs.)</p> <p>Provision of PPE in Project Cost</p>	<p>Contractor/ Site Office</p>	<p>PIU/ESMU</p>
	<ul style="list-style-type: none"> Interference with drainage patterns will be temporary at substation during construction phase 	<ul style="list-style-type: none"> A proper drainage system should be managed within the substation area. Storm water run-off need to be minimized and controlled with bundling temporary dikes Drainage management as a preventive measure against breeding of mosquitoes and other pests 	<p>Project Cost</p>	<p>Contractor/ Site Office</p>	<p>PIU/ESMU</p>
	<ul style="list-style-type: none"> Possible erosion and flooding in Mugu Karnali River and small streams 	<ul style="list-style-type: none"> Concrete foundation is recommended for Steel tubular pole installation for 33 kV lines. Pit hole prepared for the installation of steel 	<p>Project Cost</p>	<p>Contractor/ Site Office</p>	<p>PIU/ESMU</p>

		tubular pole shall not be left open as possibility of accident may arise.			
		<ul style="list-style-type: none"> Protection works along the eroded sections in the Mugu Karnali River 20-30 m distance from the distribution line. Client needs to coordinate with local level governments to give priority for the embankment activities for the protection of cultivated land and proposed 33 kV distribution lines. 	Cost from Local Government	Chhayanath Rara Municipality, Mugum Karmarong RM	Chhayanath Rara Municipality, Mugum Karmarong RM
	<ul style="list-style-type: none"> Construction associated wastes generated within substation area and campsite location 	<ul style="list-style-type: none"> Organic waste generated from the campsite shall be managed within the substation premises, through composting in the bin or by constructing a ground pit, and covered, by a thick layer of soil Reusable waste like debris, broken brick pieces, sand, stone, waste cement, and the sand mix should be used as refills for ground leveling. Recyclable wastes like left out/non-usable reinforcement bars, and packing materials to be sent or sold to scrap vendors. Effective coordination with the local level government for the proper waste management 	Solid wastes management – 1,00,000.00 (NRs.)	Contractor/ Site Office	PIU/ESMU
	<ul style="list-style-type: none"> Illegal fishing and bird hunting by the labors 	<ul style="list-style-type: none"> Discouraged by supplying adequate food items (poultry and fish) requirement within the camp. Awareness of legal provisions upon illegal hunting of biodiversity need to be disseminated 	Project Cost	Contractor/ Site Office	PIU/ESMU

	<ul style="list-style-type: none"> About 5.35 ha of forest area occurs within RoW of the proposed distribution line and substation area Estimated number of trees that need to be cleared from the Core Project Area of the proposed DL alignment are 1514 and 56 trees at proposed land for substation 	<ul style="list-style-type: none"> Compensatory plantation shall be done as per Forest Regulation, 2079 (2022). Compensatory plantation to be made in the ratio 1:10, including cost for seedling and management cost for 5 years. 	The total enumeration of the loss trees and mitigation cost will be incorporated in the Brief Environmental Study (BES) report	Contractor/ Office Site	PIU/ESMU
	<ul style="list-style-type: none"> Use of firewood from nearby forests 	<ul style="list-style-type: none"> Workers and staffs should be restricted to use firewood for cooking. Providing LPG-based stoves in Labor camp. 	Project Cost	Contractor/ Office Site	PIU/ESMU
	<ul style="list-style-type: none"> Loss of standing crops at pole installation locations (depth-2m and diameter-0.22 m) 	<ul style="list-style-type: none"> Pole to be installed at the edge of cultivated land making no loss of standing crops Need to make prior consultation with landowner during installation of the pole and stringing of distribution lines If there is a loss of crops, appropriate compensation will be made by the project 	Project Cost	Contractor/Site Office	PIU/ESMU
Environment, Health and Safety	<ul style="list-style-type: none"> Injury and sicknesses workers and members of the public 	<ul style="list-style-type: none"> Contractor shall prepare the Environmental, Health and a Safety plan and take approval from the client. Provision of safety officer in the work team shall be made during the construction period. 		Contractor/Site Office	PIU/ESMU

	<ul style="list-style-type: none"> Potential fecal coliform contamination in drinking water 	<ul style="list-style-type: none"> All employees shall be provided with the necessary training, and safety equipment as required for their responsibilities and duties. Basic facilities of drinking water, sanitation & clean resting place, canteen, and first aid shall be made available for the campsite. Provision of health insurance to employees. Security fences around the substation. Installation of warning signs (High Voltage, Fire Safety Signs, and Emergency Signs). Awareness of HIV/AIDS and other sexually transmitted disease. Awareness of providing basic sanitation facilities and waste management control to the labors. For coronavirus (COVID-19) pandemic situation, Contractors should arrange for quarantine and health services for infected workers. 	<p>Establishment of Labor Camp with basic facilities – In Project Cost</p> <p>EHS Awareness Trainings - 1,50,000.00 (NRs.)</p> <p>COVID-19 measures 2,00,000.00 (NRs.)</p>		
Management of electric equipment, toxic materials of chemical wastes	<ul style="list-style-type: none"> Possible spills resulting in contamination of soil, water, and air 	<ul style="list-style-type: none"> Chemical waste generated from the transformer shall be collected in leakage-proof, corrosion-free, specially designed containers, and sealed carefully 	1,00,000.00 (NRs.)	Contractor/ Site Office	PIU/ESMU
Operation and Maintenance Phase					
Electric shock and fire hazard	<ul style="list-style-type: none"> Injury or death to the workers and public 	<ul style="list-style-type: none"> Use of insulation, guarding, grounding, electrical protective devices, and safe work practices. 	Project Cost	NEA	NEA

		<ul style="list-style-type: none"> • Boundary walls and / or security fences around substations to prevent unauthorized access. • Only trained and authorized personnel shall be allowed for the electrical works. • No electric wire is to be strung above the house. • Installation of warning signs. 			
Routine operations and maintenance	<ul style="list-style-type: none"> • Potential disturbance to other utility functions and vehicular traffic. 	<ul style="list-style-type: none"> • Maintain warning / advisory signs in the good and visible condition • Visual and technical inspection 	Project Cost	NEA	NEA
Oil spillage	<ul style="list-style-type: none"> • Contamination of land/nearby water bodies 	<ul style="list-style-type: none"> • Substation transformers should be stored within secure and impervious bundled areas with a storage capacity of at least 110% of the capacity of oil in transformers and associated reserve tanks. 	Project Cost	NEA	NEA
Bird electrocution and collision	Electrocution can cause a risk to bird species that perch on power line infrastructures	Provision of bird guards above the poles and white spirals on the conductors to improve visibility	Project Cost	NEA	NEA

(The provision of an environment and social management cost should be included in the project cost making each item visible in BOQ of bidding document for the safeguard compliance by the construction contractor)

7.2 Proposed Monitoring Plan

The monitoring proposed in **Table 7-2** will be of value primarily for establishing baseline conditions in the Subproject area, and then for ambient quality monitoring.

Table 7-2: Minimum Provisions for Environmental Monitoring

Parameters to be Monitored	Location	Measurements	Frequency	Responsibility
Construction Stage				
Clearing of construction site	Substation boundaries	<ul style="list-style-type: none"> Field inspection of Subproject Sites and ensuring that appropriate safety measures are implemented 	Clearing and restoration: Weekly	Contractors to implement corporate EHS plan, drainage management and solid waste control in the substation area.
Use of forest area and loss of trees	33 kV DL alignment and substation	<ul style="list-style-type: none"> Field inspection of Subproject sites and ensure the compensatory plantation of 1:10 Related approval document for tree clearance 	Prior to the construction work	Contractor responsibility under the supervision of PIU/DFO
Air: SPM, Noise: dB	Substation boundaries and nearest receptor to substation	<ul style="list-style-type: none"> Spot check for noise and dust using a portable monitoring device 	Air, and noise: quarterly during construction period	Contractors need to conduct air and noise monitoring during the construction period at the substation location

Construction wastes: on-site inspection	Visual inspection of active construction areas, including equipment staging areas and camps	<ul style="list-style-type: none"> Spot check / visual inspection of solid waste (spoil, muck etc.) generation and disposal. Analysis of transformer oils to determine if polychlorinated biphenyls are present. 	Monthly spot checks for construction waste management	PIU safeguard officers to provide oversight via regular field inspections, and submit monitoring reports to the Bank
Occupational health and safety	Substation boundaries	<ul style="list-style-type: none"> No. of Toolbox talk and safety orientation to the workers No. of workplace accidents Use of PPE by workers 	<p>Daily Inspection during construction</p> <p>Monthly Inspection during the operation phase</p>	Inspection of the construction site by the safety officer and PIU safeguard officer
Child involvement in construction work (needs to be prohibited)	Substation work	<ul style="list-style-type: none"> Spot inspection at construction sites 	Monthly Inspection during construction	Site Office

7.3 Environmental and Social Management Plan Cost Estimates

Preliminary cost estimates for the ESMP implementation are shown in **Table 7-3**. **Error! Reference source not found.** These estimates cover the basic monitoring activities and the mitigation measures to be complied from the contractor's side. The ESMP cost estimated for the **Srinagar-Mangri Electricity Distribution Line Subproject** is NRs 13,00,000.00. The community support activities and the costs will be presented in the Community Development Plan (CDP). NEA has agreed to the effective implementation of the mitigation and monitoring cost items as mentioned in table below.

Table 7-3: Environmental and Social Management Plan Cost Estimates

SN	Budget Items	Unit	Rate (NRs.)	Estimated Amount for Monitoring (NRs)-Lump Sum
1	Air Quality Monitoring (at substation)	6 (Times)	25,000.00	150,000.00
2	Noise Level Monitoring (at substation)	6 (Times)	8,334.00	50,000.00
3	Sprinkling of water to be used for dust control necessary in the earthen roads of the settlements nearby the substation area and proper storage of the construction materials (sand, cements, aggregates and spoil)	200 (Times) During Excavation and Civil works	1000.00	2,00,000.00
4	Management of electric equipment's, toxic materials of chemical wastes	-	L.S.	1,00,000.00
5	Segregation and management of solid wastes	-	L.S.	1,00,000.00
6	COVID-19 measures (considering pandemic situation) standardize the quarantine facilities with health aid to the labors	-	L.S.	200,000.00
7	EHS Awareness raising training to the labors	10 (Events)	15,000.00	1,50,000.00
8	Meeting of Safeguard Desk and Grievance Redress Committee at Field Level	24 (Months)	14,583.00	3,50,000.00
Total				13,00,000.00

8. CONCLUSION

Potential environmental impacts of this Subproject are not diverse and are all site-specific i.e., confined to the Core Project Area. Civil works will have minimal temporary impacts on air, noise and water quality. Erection of poles during construction shall follow the RoW of the road, edge of national forest, community forest and the edge of farmlands. The PIU should give prior information before installation of the poles. In the ESMP consultations conducted in the settlement area, people have agreed for the implementation of the Subproject and have suggested installing poles on the edge of farm-lands, without affecting any private structures along the distribution line. If there is a loss of crops, appropriate compensation shall be provided. The implementation of the proposed Subproject needs 5.35 ha of forest area with estimated loss of 1,514 trees at distribution line and 56 trees at proposed land for substation. The total enumeration of the loss trees and mitigation cost will be incorporated in the Brief Environmental Study (BES) report. Mitigation measures are suggested in this ESMP to avoid any possible environmental and social impacts. The total ESMP cost for this Subproject is NRs. 13,00,000.00. NEA Project Implementation Unit has agreed to implement the estimated cost for the mitigation measures and monitoring activities.

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ANNEXES

Annex 1: SAMPLE NOTICE FOR PUBLIC CONSULTATION AND GRM FORMATION LETTER TO STAKEHOLDERS



नेपाल विद्युत प्राधिकरण

(नेपाल सरकारको स्वामित्व)

वितरण तथा ग्राहक सेवा निर्देशनालय

नेपाल वितरण प्रणाली स्तरोन्नति तथा विस्तार आयोजना

फ्याक्स: ०१-४१५३१४४

फोन नं.: ०१-४१५३१४५

दरबारमार्ग, काठमाण्डौ।

नेपाल वितरण प्रणाली स्तरोन्नति तथा विस्तार आयोजनाको वातावरणीय तथा सामाजिक अध्ययन प्रतिवेदन तयारी सम्बन्धि सूचना

सूचना प्रकाशन मिति:

..... प्रदेश जिल्ला
.....(नगरपालिका/गाउँपालिका/महानगरपालिका/उपमहानगरपालिका)
मा एसियन इन्फ्रास्ट्रक्चर इन्भेस्टमेन्ट बैंकको ऋण सहयोग भएको नेपाल विद्युत प्राधिकरण, वितरण तथा ग्राहक सेवा निर्देशनालय, वितरण प्रणाली स्तरोन्नति तथा विस्तार आयोजना प्रस्तावक रही कार्यान्वयन गर्न लागिएको आयोजना कार्यान्वयन हुनुभन्दा अघि सो आयोजनाले त्यस क्षेत्रको वातावरण तथा सामाजिक पक्षहरूमा के-कस्तो प्रभाव पार्दछ भनि स्थानीय सरोकारवालाहरू सँग छलफल गर्न आयोजना क्षेत्रका सम्पूर्ण सबै सरोकारवालाहरूको निम्न स्थान तथा समय उपस्थितिका लागि यो सूचना प्रकाशित गरिएको छ।

सार्वजनिक छलफल हुने स्थान, मिति र समय:

स्थान:

मिति:

समय:



नेपाल विद्युत प्राधिकरण

(नेपाल सरकारको रचाभिल)

वितरण तथा ग्राहक सेवा निर्देशनालय

नेपाल वितरण प्रणाली स्तरोन्नति तथा विस्तार आयोजना
(ए.आई.आई.बि.)

प्याक्स: ०१-४१५३१४४

फोन नं: ०१-४१५३१४५

दरबारमार्ग, काठमाण्डौ।

प.सं. ०७८/७९: २३९

मिति: २०७९/०२/१२

श्री

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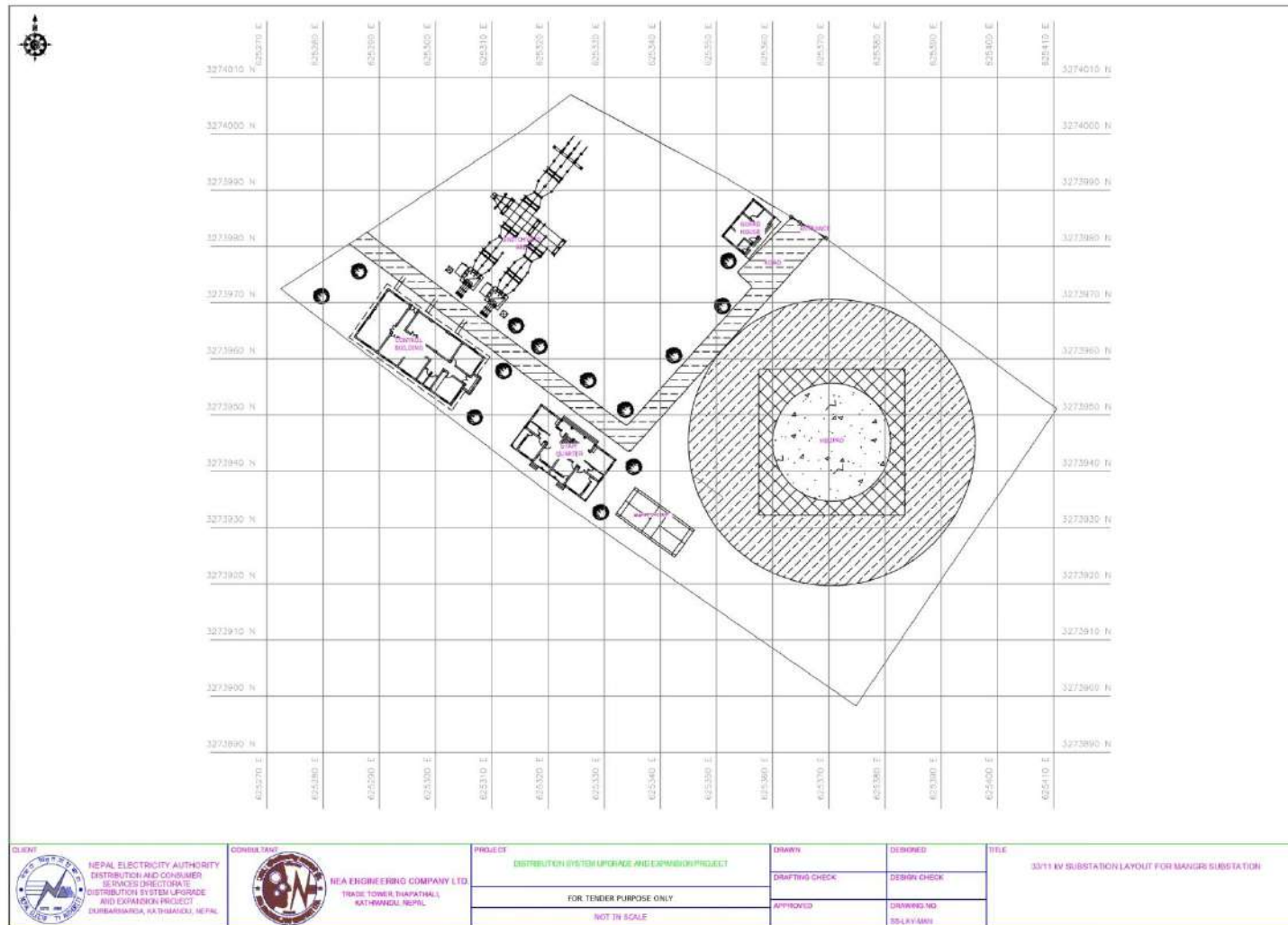
विषय: गुनासो समाधान संयन्त्र गठन भएको सम्बन्धमा।

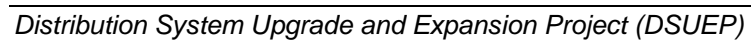
उपरोक्त विषयमा यूरोपियन इन्वेस्टमेन्ट बैंक (ई.आई.बि.) को ऋण-सहयोगमा नेपाल विद्युत प्राधिकरण, वितरण तथा ग्राहक सेवा निर्देशनालय, नेपाल वितरण प्रणाली स्तरोन्नति तथा विस्तार आयोजना (ई.आई.बि.) प्रस्तावक रही कार्यान्वयन गर्न लागिएको
आयोजना अन्तर्गत नेपाल सरकारको पूर्ण-विद्युतीकरण गर्ने लक्ष्य बमोजिम तहाँ वडा/गाउँपालिका/नगरपालिका/उप-महानगरपालिकामा ३३/११ के.भी. सब-स्टेशन, ३३ के.भी. लाईन, ११ के.भी. लाईन, ४०० भी. लाईन, आदि निर्माण कार्यहरु हुने भएकोले सो कार्यहरु गर्दा स्थानीय सरोकारवालाहरुको कुनै गुनासो भए सो गुनासोको समाधान गर्न गुनासो समाधान संयन्त्र निर्माण गरिएको छ। अतः संलग्न गुनासो समाधान संयन्त्र दस्तावेज बमोजिम आफ्ना गुनासोहरु दर्ता गर्न र सोही दस्तावेजमा भनिए बमोजिम गुनासोको समाधान हुने व्यहोरा सम्पूर्ण सरोकारवालाहरुलाई जानकारी गराइन्छ।

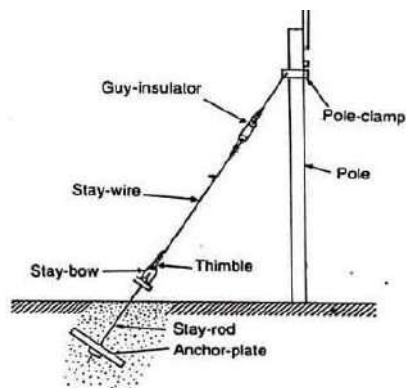
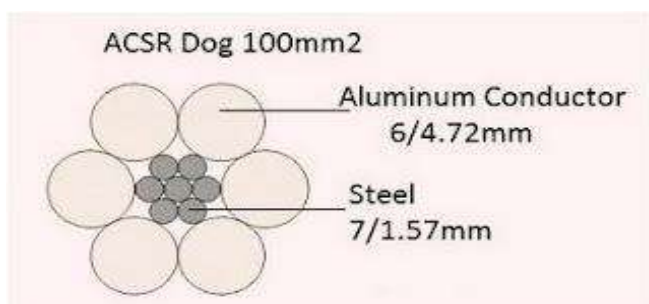
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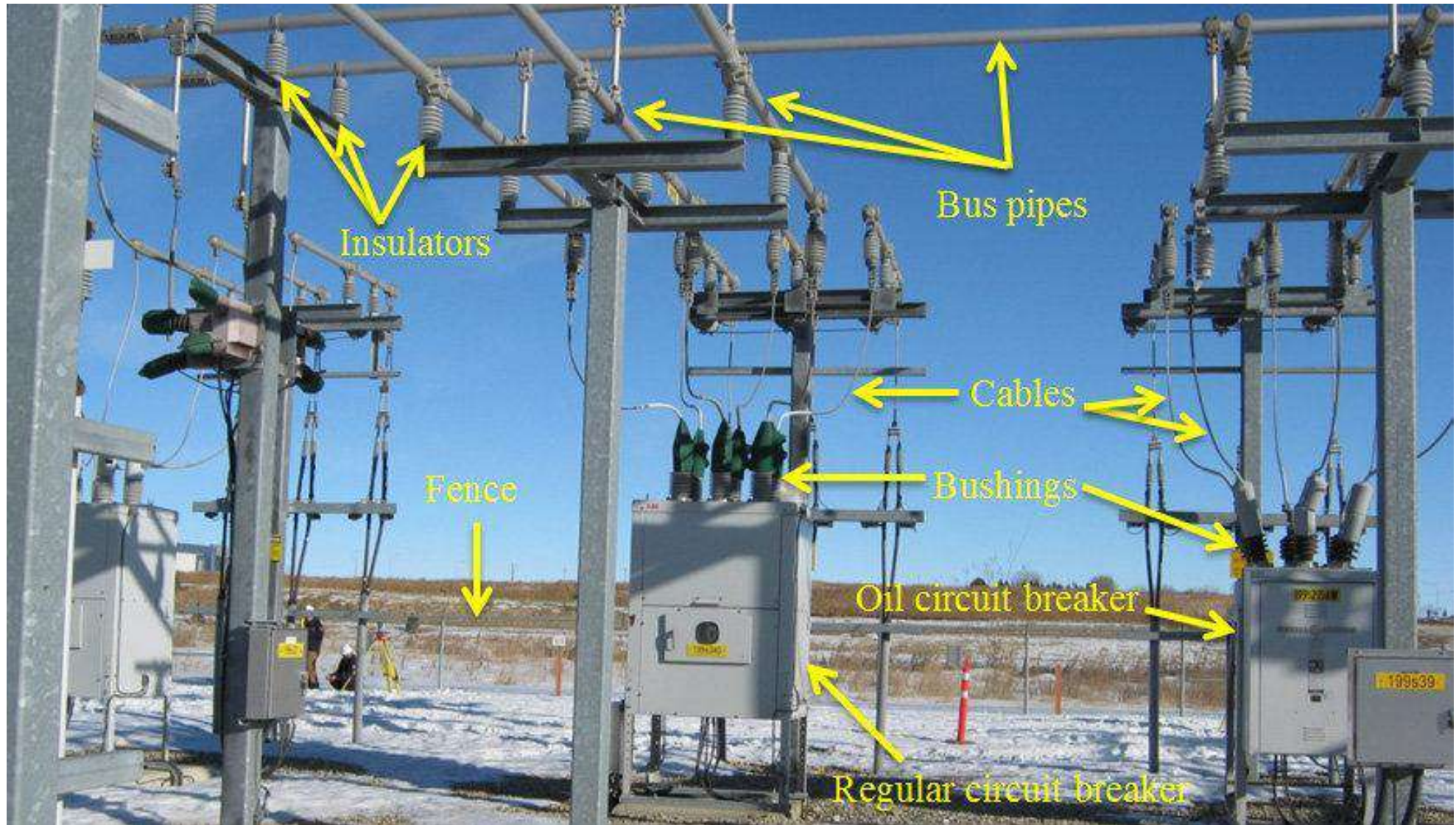
(केशव श्रेष्ठ)

आयोजना प्रमुख

Annex 2: LAYOUT MAPS OF SUBSTATION AND DISTRIBUTION LINE ALIGNMENT



Annex 3: FACILITY AND COMPONENTS**Transformer****Switch Yard****Stay/Guy Sets****Steel Tubular Pole****Insulator****Civil-Structures Supporting Electrical Components****Conductor**



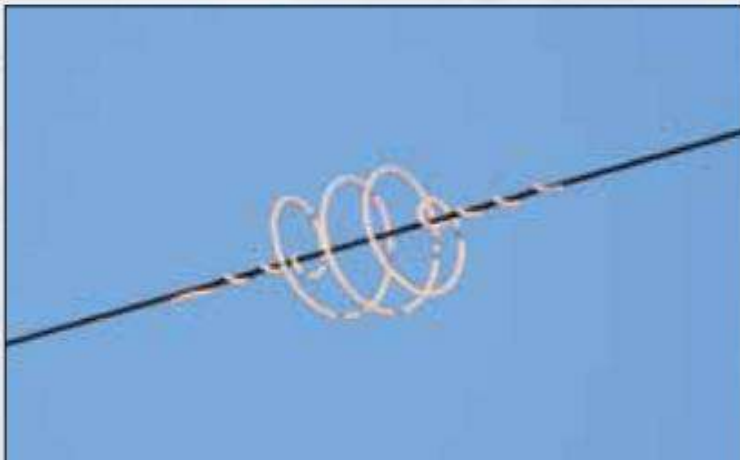
Possible components within 33 kV/11 kV Substation



Bird Diverting Reflector



Wishbone Prevents Bird Landing on Wire



White Spiral in Wire Improves Visibility of Wire



Construction of Nest at Poles also divert Bird not sitting at Wires

Annex 4: LEGISLATIVE PROVISIONS

S N	Legal Provisions	Description	Relevancy concerning Project
1.	Constitution of Nepal	<ul style="list-style-type: none"> • The Constitution of Nepal is the main legal document, which emphasizes the right to a clean environment of the people, natural resources protection, preservation, and its prudent use. Rights regarding the clean environment, under article 30: • It includes making multi-purpose development of water resources, while according priority to domestic investment based on public participation to ensure a reliable supply of energy affordably, and easily, and make proper use of energy for the fulfillment of the basic needs of citizens, by generating, and developing renewable energy in article 51 (g). 	DSUEP helps to fulfill the rights of people to live in a clean environment along with fulfilling the basic needs by providing access to sufficient energy.
2.	Environment Protection Act 2076 (2019 AD)	<ul style="list-style-type: none"> • Section 3 of the Act requires the proponent to conduct environmental studies concerning the prescribed proposals of any developmental works. Subsection 2 of this act provides the framework for the environmental study report prepared according to sub-section (1) shall, in fulfillment of the process as prescribed, be submitted to the relevant bodies of the Government of Nepal for approval. 	Environmental Studies, and approval of the report from the authorized body before construction of any project is mandatory to minimize the negative impacts in Nepal which is addressed in EPA, 2076.
3.	Environmental Protection Rule, 2077 (2020 AD) [First Amendment on 2078 (2021)]	<ul style="list-style-type: none"> • Under the Environmental Protection Rules (2077) first amendment (2078), rule (3) as mentioned in annex (1), Section (F) (Energy, Water Resources, and Irrigation Sector) sub-section (1), a proponent shall be required to carry out the Brief Environmental Studies for construction of transmission line project less than 66 kV in forest land for another purpose. • Pertaining to Rule 3(1), Environment Protection Act (EPA), 2019 describes to complete Environmental Studies as per Schedule 1(Cha) Energy, water resources and irrigation sector (1) under Environment Protection Regulation 2020 (First Amendment in 2021/05/24 on Nepal Gazette) state “use of forest area for the electricity distribution line project up to 66 KV” 	<p>This rule provides the overall guidance to what type of environmental studies is required according to the project by the Government of Nepal.</p> <p>The proposed Subproject will use the along Dasaiya Community Forest (CF), Bhadali CF, Chuketi Belkati CF, Hariyali Bisepani CF, Chulle CF, Balu Kuna Naure Pakha CF,</p>

			Thensingh Gyalbo CF and National Forest land for the purpose of 33 kV distribution line extension and substation construction. For which, BES is mandatory.
4.	Nepal Environmental Policy, and Action Plan, 2050(1993)	<p>The aims of NEPAP are:</p> <ul style="list-style-type: none"> • To manage natural, and physical resources efficiently, and sustainably • To balance the development efforts, and environmental conservation for sustainable fulfillment of basic needs • To preserve endemic, and endangered species, and their habitats; the promotion of private, and public institutions for biological resources inventory, and conservation • To safeguard national heritage • To mitigate the adverse environmental impact of development projects, and human actions • To integrate environment, and development through appropriate institutions, adequate legislation, and economic incentives, and sufficient public resources 	DSUEP should follow the aims of NEPAP to protect, and conserve the physical, biological, and social environment during the construction of a 33 kV distribution line along with a substation.
5.	Forest Act 2076 (2019)	<ul style="list-style-type: none"> • Pertaining to the chapter 12, Section 42(1), if there is no other alternative to the using of forest area for the operation of a national priority project, plan of which investment is approved by the Investment Board, project of national pride and it appears from the environment examination referred to in the prevailing law that the operation of such plan does not result in significant adverse effects on the environment, the Government of Nepal may give approval, as prescribed, to use any part of the national forest for the purpose of operating such plan, • Similarly, in providing the forest area for the operation of a plan pursuant to sub-section (1), to the extent possible, a land that is adjoining to the national forest area near the project site and situated in the same geographical and ecological belt and has such landscape where forest can be developed shall be provided for the purpose of planting trees at least in the area 	<ul style="list-style-type: none"> • About 5.35 ha of forest area occurs within RoW of the proposed 33 kV distribution line and the substation area • Estimated number of trees that need to be cleared from the Core Project Area of the proposed DL alignment are 1514 and 56 at Substation land. • Total estimation of tree and approval of tree clearance will be proceeded after the approval of BES report.

		equal to the forest area that has to be used.	
6.	Forest Regulations, 2079 (2022)	<ul style="list-style-type: none"> • Pertaining to Rule 87 (2) in case of the development project related to the use of forest land, the coordination has to be done with the concerned division forest office during the feasibility study and environmental study. • Rule 88, Application need to be submitted in case of use of national forest land from the feasibility study and application need to submitted to the Ministry of Forests and Environment through the subjective ministry • Rule 89, following the Rule 88, the Ministry of Forests and Environment direct Division Forest Office through its respective department for the detail field information and the that information should also be submitted to provincial ministry. • Rule 90, following the Rule 89, Division Forest Office should submit the information with field monitoring (if necessary) to the Ministry of Forests and Environment. The ministry will ensure the use of forest land if the applicable information and letters are received, and give permission to the respective project by binding in the rules states in the Forest Regulations. • Rule 91, following the Rule 90, after the decision made by the government of Nepal for the permission to use the forest land, development project should made the availability of the applicable land for the forest development as per the Forest Act (2076), Section 42 (2). • Rule 92, following the Rule 91, in case of failure in the availability of the applicable land, it has to go through the Land Acquisition Facilitation Committee in the district level • Rule 93, following the Rule 92, in case failure of the land acquisition through the Committee respective department should give permission to the project for the Collection of amount in the government fund as per the land purchases for development project specified in Shedule-51. <p>Rule 93 (5), the amount should base on the cost of the trees in the ratio of 1:10 and Rule 93 (5), the amount must include bi-annual production or purchase of trees, trees transportation, afforestation of 1600 trees per hectare, fencing and boundary for the protection of trees and require number of people for look after.</p>	<ul style="list-style-type: none"> • About 5.35 ha of forest area occurs within RoW of the proposed 33 kV distribution line and the substation area • Estimated number of trees that need to be cleared from the Core Project Area of the proposed DL alignment are 1514 and 56 at Substation land. • Total estimation of tree and approval of tree clearance will be proceeded after the approval of BES report.
7.	Electricity Act 1992	<ul style="list-style-type: none"> • No person shall be entitled to conduct survey, generation, transmission, or distribution of electricity without obtaining a license under 	The main goal of this project is to distribute a sufficient amount of

		<p>this act.</p> <ul style="list-style-type: none"> • The Electricity Act of 1992 has the provision of land procurement for the development of Subprojects that involve electricity generation, transmission, or distribution. The Act states that the licensee may apply to GoN to purchase the land or house of any person if it is required for the generation, transmission, or distribution of electricity. Upon the receipt of such an application, GoN may make the land or house, so requisitioned, available to any corporate body under the prevailing laws. 	<p>electricity by constructing a 33 kV line, and substation by surveying to minimize the impacts.</p>
8.	Rural Energy Policy, 2006	<p>The rationale of formulating, and implementing this policy is to create a conducive environment that will self-motivate, and mobilize local institutions, rural energy user groups, non-government organizations, cooperatives, and private sector organizations for the development, and expansion of rural energy resources. The government will facilitate, and promote to involve private development, and expansion of new technologies. It has also envisioned subsidy provision for the promotion of such renewable energy technologies.</p>	<p>This project helps to improve the distribution, and motivate use the of electricity in rural areas of western Nepal.</p>
9.	Labor Act, 2074 (2017 AD)	<p>This labor Act was made under the management of parliament under sub-clause 1 of clause 296 of the Constitution of Nepal. Sub-section 3 of Section 2 states that the employees should not be compelled to other work other than they are assigned for. In addition, Sub-section 5 of Section 2 states about the prohibition of child labor in any organization, and sub-section 6 of Section 2 states that there should not be any kind of discrimination among the employee's regard of religion, ethnicity, gender, origin, language, or intelligence or other kinds of characters.</p>	<p>The construction of a project is only possible when the rights of labor are secure. In this project, the Contractor should follow this act strictly.</p>
10.	Child Labor (Prohibition, and Regulation) Act, 2056 (2000 AD)	<p>As per section 3 of this act, no child has not attained the age of 14 years shall be engaged in works as a laborer.</p>	<p>Child labor is strictly prohibited in this project, and Contractors should follow this act.</p>
11.	Solid Waste	<p>This act has been formulated to minimize solid</p>	<p>These acts provide</p>

	Management Act, 2068 (2011 AD)	waste products from the target area by setting rules, and regulations on solid waste management (SWM) in the country to develop a better environment for the systematic, and effective management of solid waste, and to involve all the concerned stakeholders in SWM practice. The main features of this act are the discussion of the 3R principle (Reduce, Reuse, and Recycle). 3R principle seems to be very beneficial as it not only increases the life of landfill site but also saves the money which could be used for other infrastructure development. Section 4 of the act assigns the local body to manage or use the solid waste discharged or dumped in the collection center, transfer station, or treatment plant or collected during cleaning.	the overall framework to manage the solid waste generated from households to the project level. Also, the proponent should manage the waste generated during construction.
12.	Solid Waste Management Rules, 2070 (2013 AD)	The solid waste management rule was formulated as per the provision made in article 50 of the Solid Waste Management Act, 2068. This regulation has emphasized the segregation of waste at source, and mentioned that the responsibility of proper disposal, and management of source belongs to the producers themselves. Section 3 of the rule describes the segregation, and management of solid waste. It has been mentioned that it is essential to segregate degradable, and non-degradable solid waste at the source.	These rules provide the overall framework for how to reduce the volume of waste disposed of at the source during the construction of the substation.
13.	Fifteenth Plan	The vision of the 15th plan is to contribute to the prosperity of the nation through sustainable, and reliable development of hydropower by setting the goal which is to ensure energy security through intensifying hydropower generation. In addition, one of the strategies of the government of Nepal in the 15th plan is to make the distribution system effective, and reliable to increase energy efficiency, and increase power consumption by expanding access to electricity by formulating the required policies:	This 5-year interim plan sets the goal about the generation, and distribution of hydroelectricity in Nepal which is directly related to this project.
14.	United Nations Framework Convention on	UNFCCC, Signatories: 165. Parties: 195. (1), Article (4), commitment (f) states climate change considerations into account, to the	The goal of this project is to replace the traditional form of

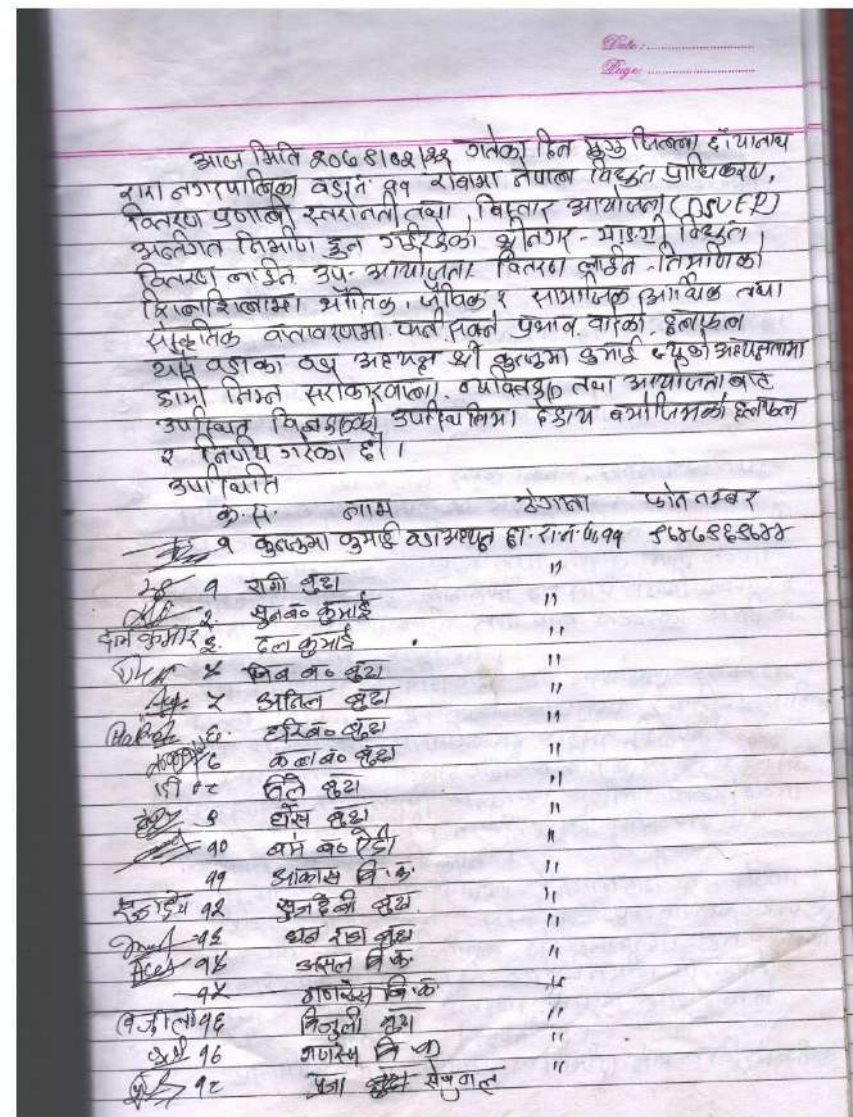
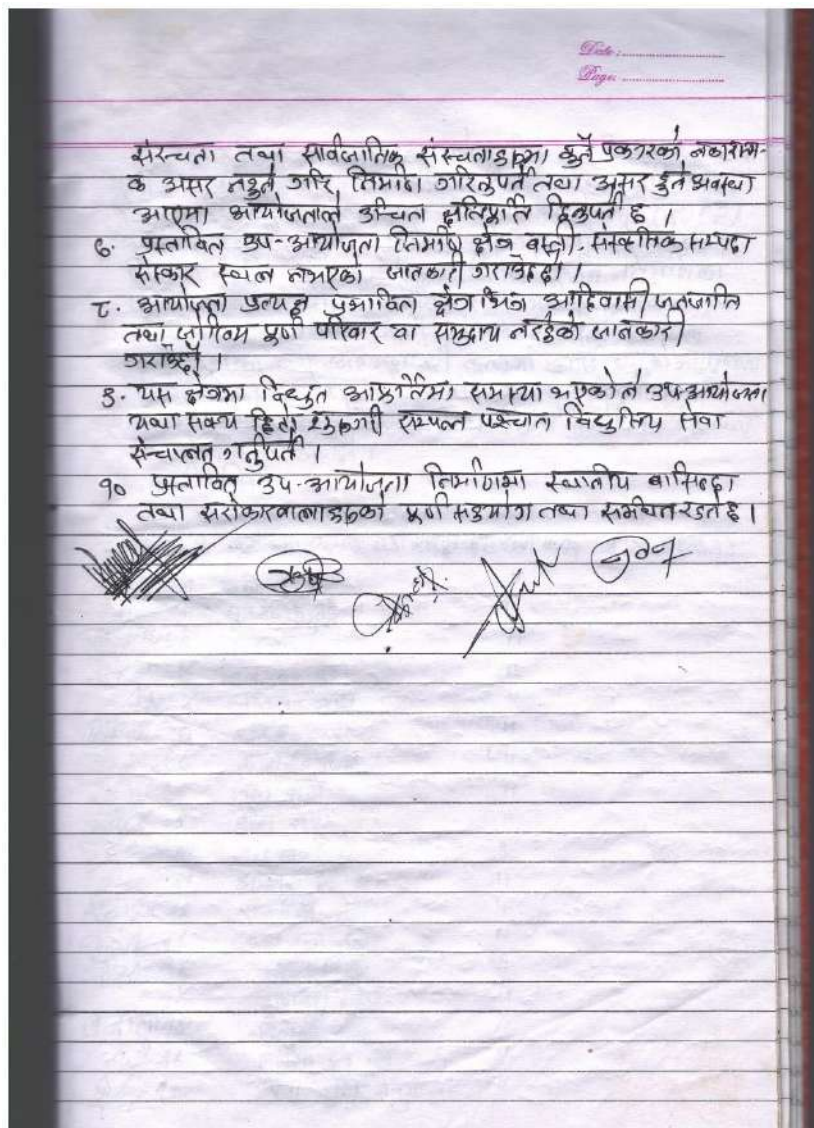
	Climate Change (UNFCCC), 1992	extent feasible, in their relevant social, economic, and environmental policies, and actions, and employ appropriate methods, for example, impact assessments, formulated, and determined nationally, to minimize adverse effects on the economy, on public health, and the quality of the environment, of Subprojects or measures undertaken by them to mitigate or adapt to climate change. After it entered into force on 21 March 1994, it mandates the individual state for prioritization of resource conservation with development.	energy with clean energy i.e. electricity which ultimately reduces air pollution, and smoke.
15.	ILO 169	<p>The main objective of this convention is to secure the rights of indigenous, and tribal people along with the gender equality, and non-discrimination of workers during work. Article 1 on the First Part of this convention mainly focused on the following points:</p> <p>(a) the social, cultural, and economic conditions of tribal peoples in independent countries differentiate from other parts of the national community, and their status is managed fully or partially by their customs or traditions or by special laws or regulations;</p> <p>(b) peoples in independent countries who are regarded as indigenous on account of their descent from the populations which inhabited the country, or a geographical region to which the country belongs, at the time of conquest or colonization or the establishment of present state boundaries, and who, irrespective of their legal status, retain some or all of their own social, economic, cultural, and political institutions.</p> <ul style="list-style-type: none"> • Self-identification as indigenous or tribal shall be regarded as a fundamental criterion for determining the groups to which the provisions of this Convention apply. • The use of the term people in this Convention shall not be construed as having any implications as regards the rights which may attach to the term under international law. 	Nepal is the part of ILO convention that's why ILO 169 should strictly follow during construction, and implementation of any types
16.	Environment and Social Management Framework	<ul style="list-style-type: none"> • ESMF is to guide DSUEP sub-projects in the area of E&S management using appropriate instruments, methodologies, procedure and responsibilities during the project cycle. NEA 	Main guiding document for E&S study to identify issues and

		and the project partners shall apply during design and development of the sub-projects in order to comply with the Government of Nepal E&S regulations and the Financiers' standards on E&S assessment and management, Involuntary Resettlement, Indigenous People, Gender, etc.).	recommending appropriate practical augmentation/mitigation measures
17.	Environmental and Social Policy (ESP)	<ul style="list-style-type: none"> This policy speaks for the mandatory E&S requirements for each Project like, screening, DDR, E&S Assessment, ESMP, ESMF, Information Disclosure, Consultation and Monitoring and Evaluation. 	Mandatory requirement for ESMP study
18.	Environmental and Social Standards of AIIB ¹¹	<ul style="list-style-type: none"> Three associated mandatory environmental and social standards (ESSs) set out more detailed environmental and social requirements relating to the ESMP 	ESMP requirement

¹¹ <https://www.aiib.org/en/policiesstrategies/download/environmentframework/20160226043633542.pdf>

आम मिति २०६९/०३/२० गतेको दिन मुगु जिल्ला हायातमा	
राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण,	
वितरण प्रणाली स्तरोन्नती तथा विस्तार आयोजना (CSUEP)	
अर्न्तगत निम्नलिखित उपखण्डको अन्तर्गत माग्री विद्युत वितरणलाइन	
अप-आयोोजना वितरण लाईन निम्नलिखित क्रिमांकमा माग्री नक,	
जेविक र सामाजिक आर्थिक तथा सांस्कृतिक वातावरणमा पानभक्त	
प्रभाव वारेको हुनफल्न यम काका वडा अखण्ड श्री पद्म बाग मन्डल	
भ्युको अखण्डमा डाभी निम्न सरोकरवाला व्यक्तिहरू तथा बाधा-	
जनाबाट उपभोक्त विद्युतको उपबिबिमा देहाय कर्णालिमको	
हुनफल्न र निषेध गरेका हो।	
उपबिबि	
क्र.सं.	नाम
१	पद्म रावल मन्डल वडाअखण्ड हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
२	सुरेन्द्र बहाल मन्डल वडाअखण्ड हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
३	रजक राय मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
४	नरक प्रसाद मन्डल वडाअखण्ड हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
५	कृष्ण बहाल मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
६	अरुण बहाल मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
७	राम रण मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
८	मि. व. व. मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
९	हंश व. व. मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१०	राम कृष्ण मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
११	बोरेसाल वडाअखण्ड हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१२	राम रण मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१३	नरक प्रसाद मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१४	राम कृष्ण मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१५	अंकित कुमार शाही हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१६	नरक प्रसाद मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१७	मि. व. व. मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१८	पद्म रावल मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
१९	राम रण मन्डल हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)
२०	विषय नपाना हायातमा राहा नगरपालिका वडा नं १ हुनफल्नबडामा नेपाल विद्युत प्राधिकरण (२०६९/०३/२०)

29	सोपिन नेपाली	हा. रा. नं. पा. 9	868599803
29	सुम्ता नेपाली	"	9868377266
29	डिमल नेपाली	"	9868343210
29	राज कुमार नेपाली	"	9864747775
राज 29	राज कुमार मल्ल	"	
29	कवि राज सिद्धवाल	हा. रा. नं. पा. 8	9868377691
29	कमल व मल्ल	हा. रा. नं. पा. 9	
29	नारायण मल्ल	"	8588392328
29	सुन्दर मल्ल	समाधानाङ्की NEAFC	8589806069
29	जोषी राज किशोरी	समाधानाङ्की NEAFC	8589948888
29	नवीन गुरुङ	वातावरणविद्	8583683999



क्र.सं.	उम्मीदवार का नाम	पंजीकृत नाम	सं.सं.
10	कुलवृत्ता कुमारी	हा 71 नं 4899	2887936333
11	त्रिवेन्द्र कुमारी	"	9864872864
12	राजपट्टी कुमारी	"	
13	दलसिद्ध कुंठा	"	
14	बाल व वृत्ता	"	
15	अमला अक्स प्रोलीपिठ		
16	जयधराम शिखर दामोदरानी	NEERC	8709948785
17	सुवीरानन्द	"	
18	इतपलका मिश्रपिठ		

१. आर्याजनाबाबत वाङ्मयग्रंथां विस्तार आर्याजनाका बरोमा लागूकारी प्राप्त अर्थाः।
२. पुस्तकित विवरण नसिते सूत्र किंवा. सार्वजनिक तथा तिथी लज्जा समुदायिक वा अदर लाहू।
३. उप-उप-आर्याजना विवरण लघु विस्तार ग्राही वरती वृत्त अर्थाः वाङ्मय वाङ्मयार्थी तथा आसक्त तिथी लज्जा समुदाय वाङ्मय वाङ्मयार्थी ह। सार्व तिथी लज्जा वाङ्मयार्थी अवस्थामा नसिते तथा पील लज्जाका आर्या वा इत्युक्त लज्जा रात्री इत।
४. उप-आर्याजना निमग्न ग्राही उप-आर्याजना सूत्रकित कथमा शिपु तथा दसताका आधारमा स्वाधीन लज्जाकित लघु रोजगारीमा प्रचामिकता अवसर दिव्यते।
५. विवरण नसिते विस्तार ग्राही वरतीतालीमा वृत्ति इत सार्व अवस्थामा वरतीताली वाङ्मय अर्थाः लज्जाकरी लज्जा वरतीताली गराइवृत्ति। वरतीतालीका वृत्ति अर्थाः उचित वृत्तिवृत्ति दिव्यते।
६. पुस्तकित उप-आर्याजना निमग्न ग्राही उप-आर्याजना सूत्रकित सूत्रका धार्मिक तथा संस्कृतिक पुरातात्विक प्रवृत्ति वरतीताली तथा सार्वजनिक सार्वजनिक इत। उक्त प्रकारका लज्जाकित असर लज्जा उचित निमग्न गराइवृत्ति तथा असर इत अवस्था आर्या आर्याजना लज्जा उचित वृत्तिवृत्ति दिव्यते ह।
७. पुस्तकित उप-आर्याजना निमग्न ग्राही वरती संस्कृतिक

- सम्पदा, संस्कार स्वातंत्र्य तथा एकता जागरूकी आदि हैं।
 ८. कार्यपालन प्रत्यक्ष प्रशासन सेवाओं में अधिकारी व्यवस्था
 तथा लोकप्रिय मूल्यों परिवार व सहायक नरडों जागरूकी
 आदि हैं।
 ९. यह योजना विद्युत् आपूर्ति तथा एकता उप-आयोजना
 विकास के लिए बुद्धिगमनी सम्पन्न प्रवृत्ति विद्युत् नियंत्रण
 संस्थागत गठित।
 १०. प्रस्तावित उप-आयोजना सिमांतरीकृत स्वामित्व लाभिक
 तथा सरकारी या अर्धसरकारी मूल निधि तथा समिति
 उक्त है ।

आज मिति २०७९/०४/०४ गतेको दिन बुद्धुपिठला
होयातावा कारा नगर पालिका वडा नं. १३ लुम्बिनी नगर
विद्युत जाँचकण, वितरण उपानाली सम्बन्धी तथा बिजुलार
आयोजना (C&EP) अर्जमेत निर्माण हुन गरीएको
आवाग-माइगो विद्युत वितरणलाई उप-आयोजना
वितरण लाईने निर्माणको शिलशिलामा आगितक,
जेठिक २ सामाजिक कार्यिक तथा संस्कृतिक कला-
करणमा पनि सुक्न पुग्दावा बार्का हलफल, याम बार्का
वडा अध्यक्षको आतिशय राकावा, व्यक्त अर्थमतामा
हामी निम्न सरकारीवाला व्यक्तिको तथा आयोजनावा
उपान्त विद्युतको उपान्तिमा देखाय कर्मालिमका
हलफल २ निर्माण गरेका हो ।
उपान्ति :

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हलफ़नका निरीक्षण

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सांस्कृतिक सम्पदा सौन्दर्य स्वच्छता लक्षणां लागू करी गराव्नेछे।
८. आयाजना प्रत्यक्ष प्रभावित क्षेत्र भित्र आसियापी जलप्रवाह तथा कोविमझुवा परिवारका समुदाय नरुका लाग्नेछे।
९- यस क्षेत्रमा विद्युत प्राप्ति नभएकोले उप-आयाजना यथासम्भव हिउँ झुल्गे गरी सम्पन्न पश्चात विद्युत सेवा दिनुपर्ने।
१० प्रस्तावित उप-आयाजना सिमरीमा स्वामीजीवासी तथा सरकारी कर्मचारीको छुट्टी सञ्चालन तथा सञ्चालन रडन छ।

(Signatures)

Date: _____
Page: _____

आज मिति २०७८।०२।१३ गतेको दिन सुनु जिल्ला सुनुम काभ्रेराई गाउँपालिका वडा नं ३ हाथल चौरमार्ग विद्युत प्राधिकरण वितरण प्रणाली स्तरावली तथा विस्तार आयोजना (DSUP) अन्तर्गत निर्माण हुन गइरहेको अतिगर्द-भोक्ती विद्युत वितरण लाईन उप-आयाजना वितरण लाईन निर्माणका शिलविलमा भौतिक, जैविक र सामाजिक दायित्व तथा सांस्कृतिक वातावरणमा पर्ने सक्ने प्रभाव बाटो हलफल यस वडाको वडा अध्यक्ष श्री सुन बहादुर बुढा लगायत सुदृष्टतामा होमो निम्न झरोकावाला व्यक्तिहरू तथा आयाजनाकार उपस्थित विरुद्धको सहभागितामा दृढाय बमोचितका हलफल र निर्णय गरियो हो।

उपस्थिति:

क्र.सं.	नाम	हेगना	फोन नम्बर
१	वडा अध्यक्ष सुन बहादुर बुढा	काभ्रेराई गाउँपालिका	९८४८६४५०६
२	वडा सदस्य बुढा	"	९८६४५२२६८८
३	मान विर बुढा	९८४८६४५०६	९८४८६४५०६
४	मान विर बुढा	"	९८४८६४५०६
५	मान विर बुढा	"	९८४८६४५०६
६	मान विर बुढा	"	९८४८६४५०६
७	मान विर बुढा	"	९८४८६४५०६
८	मान विर बुढा	"	९८४८६४५०६
९	मान विर बुढा	"	९८४८६४५०६
१०	मान विर बुढा	"	९८४८६४५०६
११	मान विर बुढा	"	९८४८६४५०६
१२	मान विर बुढा	"	९८४८६४५०६
१३	मान विर बुढा	"	९८४८६४५०६
१४	मान विर बुढा	"	९८४८६४५०६
१५	मान विर बुढा	"	९८४८६४५०६
१६	मान विर बुढा	"	९८४८६४५०६
१७	मान विर बुढा	"	९८४८६४५०६
१८	मान विर बुढा	"	९८४८६४५०६

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- १० प्रतीतिरूप-आमलता निमिषाया च्युतीय तद्ध,
स्वर्गाय वासिष्ठा, तथा सरोकारवालाड्डिका वृणी मंडाया
तथा समीप रडत ह।

~~Q1~~ ~~Q2~~ ~~Q3~~ ~~Q4~~ ~~Q5~~ ~~Q6~~ ~~Q7~~ ~~Q8~~ ~~Q9~~ ~~Q10~~ ~~Q11~~ ~~Q12~~ ~~Q13~~ ~~Q14~~ ~~Q15~~ ~~Q16~~ ~~Q17~~ ~~Q18~~ ~~Q19~~ ~~Q20~~ ~~Q21~~ ~~Q22~~ ~~Q23~~ ~~Q24~~ ~~Q25~~ ~~Q26~~ ~~Q27~~ ~~Q28~~ ~~Q29~~ ~~Q30~~ ~~Q31~~ ~~Q32~~ ~~Q33~~ ~~Q34~~ ~~Q35~~ ~~Q36~~ ~~Q37~~ ~~Q38~~ ~~Q39~~ ~~Q40~~ ~~Q41~~ ~~Q42~~ ~~Q43~~ ~~Q44~~ ~~Q45~~ ~~Q46~~ ~~Q47~~ ~~Q48~~ ~~Q49~~ ~~Q50~~ ~~Q51~~ ~~Q52~~ ~~Q53~~ ~~Q54~~ ~~Q55~~ ~~Q56~~ ~~Q57~~ ~~Q58~~ ~~Q59~~ ~~Q60~~ ~~Q61~~ ~~Q62~~ ~~Q63~~ ~~Q64~~ ~~Q65~~ ~~Q66~~ ~~Q67~~ ~~Q68~~ ~~Q69~~ ~~Q70~~ ~~Q71~~ ~~Q72~~ ~~Q73~~ ~~Q74~~ ~~Q75~~ ~~Q76~~ ~~Q77~~ ~~Q78~~ ~~Q79~~ ~~Q80~~ ~~Q81~~ ~~Q82~~ ~~Q83~~ ~~Q84~~ ~~Q85~~ ~~Q86~~ ~~Q87~~ ~~Q88~~ ~~Q89~~ ~~Q90~~ ~~Q91~~ ~~Q92~~ ~~Q93~~ ~~Q94~~ ~~Q95~~ ~~Q96~~ ~~Q97~~ ~~Q98~~ ~~Q99~~ ~~Q100~~ ~~Q101~~ ~~Q102~~ ~~Q103~~ ~~Q104~~ ~~Q105~~ ~~Q106~~ ~~Q107~~ ~~Q108~~ ~~Q109~~ ~~Q110~~ ~~Q111~~ ~~Q112~~ ~~Q113~~ ~~Q114~~ ~~Q115~~ ~~Q116~~ ~~Q117~~ ~~Q118~~ ~~Q119~~ ~~Q120~~ ~~Q121~~ ~~Q122~~ ~~Q123~~ ~~Q124~~ ~~Q125~~ ~~Q126~~ ~~Q127~~ ~~Q128~~ ~~Q129~~ ~~Q130~~ ~~Q131~~ ~~Q132~~ ~~Q133~~ ~~Q134~~ ~~Q135~~ ~~Q136~~ ~~Q137~~ ~~Q138~~ ~~Q139~~ ~~Q140~~ ~~Q141~~ ~~Q142~~ ~~Q143~~ ~~Q144~~ ~~Q145~~ ~~Q146~~ ~~Q147~~ ~~Q148~~ ~~Q149~~ ~~Q150~~ ~~Q151~~ ~~Q152~~ ~~Q153~~ ~~Q154~~ ~~Q155~~ ~~Q156~~ ~~Q157~~ ~~Q158~~ ~~Q159~~ ~~Q160~~ ~~Q161~~ ~~Q162~~ ~~Q163~~ ~~Q164~~ ~~Q165~~ ~~Q166~~ ~~Q167~~ ~~Q168~~ ~~Q169~~ ~~Q170~~ ~~Q171~~ ~~Q172~~ ~~Q173~~ ~~Q174~~ ~~Q175~~ ~~Q176~~ ~~Q177~~ ~~Q178~~ ~~Q179~~ ~~Q180~~ ~~Q181~~ ~~Q182~~ ~~Q183~~ ~~Q184~~ ~~Q185~~ ~~Q186~~ ~~Q187~~ ~~Q188~~ ~~Q189~~ ~~Q190~~ ~~Q191~~ ~~Q192~~ ~~Q193~~ ~~Q194~~ ~~Q195~~ ~~Q196~~ ~~Q197~~ ~~Q198~~ ~~Q199~~ ~~Q200~~ ~~Q201~~ ~~Q202~~ ~~Q203~~ ~~Q204~~ ~~Q205~~ ~~Q206~~ ~~Q207~~ ~~Q208~~ ~~Q209~~ ~~Q210~~ ~~Q211~~ ~~Q212~~ ~~Q213~~ ~~Q214~~ ~~Q215~~ ~~Q216~~ ~~Q217~~ ~~Q218~~ ~~Q219~~ ~~Q220~~ ~~Q221~~ ~~Q222~~ ~~Q223~~ ~~Q224~~ ~~Q225~~ ~~Q226~~ ~~Q227~~ ~~Q228~~ ~~Q229~~ ~~Q230~~ ~~Q231~~ ~~Q232~~ ~~Q233~~ ~~Q234~~ ~~Q235~~ ~~Q236~~ ~~Q237~~ ~~Q238~~ ~~Q239~~ ~~Q240~~ ~~Q241~~ ~~Q242~~ ~~Q243~~ ~~Q244~~ ~~Q245~~ ~~Q246~~ ~~Q247~~ ~~Q248~~ ~~Q249~~ ~~Q250~~ ~~Q251~~ ~~Q252~~ ~~Q253~~ ~~Q254~~ ~~Q255~~ ~~Q256~~ ~~Q257~~ ~~Q258~~ ~~Q259~~ ~~Q260~~ ~~Q261~~ ~~Q262~~ ~~Q263~~ ~~Q264~~ ~~Q265~~ ~~Q266~~ ~~Q267~~ ~~Q268~~ ~~Q269~~ ~~Q270~~ ~~Q271~~ ~~Q272~~ ~~Q273~~ ~~Q274~~ ~~Q275~~ ~~Q276~~ ~~Q277~~ ~~Q278~~ ~~Q279~~ ~~Q280~~ ~~Q281~~ ~~Q282~~ ~~Q283~~ ~~Q284~~ ~~Q285~~ ~~Q286~~ ~~Q287~~ ~~Q288~~ ~~Q289~~ ~~Q290~~ ~~Q291~~ ~~Q292~~ ~~Q293~~ ~~Q294~~ ~~Q295~~ ~~Q296~~ ~~Q297~~ ~~Q298~~ ~~Q299~~ ~~Q300~~ ~~Q301~~ ~~Q302~~ ~~Q303~~ ~~Q304~~ ~~Q305~~ ~~Q306~~ ~~Q307~~ ~~Q308~~ ~~Q309~~ ~~Q310~~ ~~Q311~~ ~~Q312~~ ~~Q313~~ ~~Q314~~ ~~Q315~~ ~~Q316~~ ~~Q317~~ ~~Q318~~ ~~Q319~~ ~~Q320~~ ~~Q321~~ ~~Q322~~ ~~Q323~~ ~~Q324~~ ~~Q325~~ ~~Q326~~ ~~Q327~~ ~~Q328~~ ~~Q329~~ ~~Q330~~ ~~Q331~~ ~~Q332~~ ~~Q333~~ ~~Q334~~ ~~Q335~~ ~~Q336~~ ~~Q337~~ ~~Q338~~ ~~Q339~~ ~~Q340~~ ~~Q341~~ ~~Q342~~ ~~Q343~~ ~~Q344~~ ~~Q345~~ ~~Q346~~ ~~Q347~~ ~~Q348~~ ~~Q349~~ ~~Q350~~ ~~Q351~~ ~~Q352~~ ~~Q353~~ ~~Q354~~ ~~Q355~~ ~~Q356~~ ~~Q357~~ ~~Q358~~ ~~Q359~~ ~~Q360~~ ~~Q361~~ ~~Q362~~ ~~Q363~~ ~~Q364~~ ~~Q365~~ ~~Q366~~ ~~Q367~~ ~~Q368~~ ~~Q369~~ ~~Q370~~ ~~Q371~~ ~~Q372~~ ~~Q373~~ ~~Q374~~ ~~Q375~~ ~~Q376~~ ~~Q377~~ ~~Q378~~ ~~Q379~~ ~~Q380~~ ~~Q381~~ ~~Q382~~ ~~Q383~~ ~~Q384~~ ~~Q385~~ ~~Q386~~ ~~Q387~~ ~~Q388~~ ~~Q389~~ ~~Q390~~ ~~Q391~~ ~~Q392~~ ~~Q393~~ ~~Q394~~ ~~Q395~~ ~~Q396~~ ~~Q397~~ ~~Q398~~ ~~Q399~~ ~~Q400~~ ~~Q401~~ ~~Q402~~ ~~Q403~~ ~~Q404~~ ~~Q405~~ ~~Q406~~ ~~Q407~~ ~~Q408~~ ~~Q409~~ ~~Q410~~ ~~Q411~~ ~~Q412~~ ~~Q413~~ ~~Q414~~ ~~Q415~~ ~~Q416~~ ~~Q417~~ ~~Q418~~ ~~Q419~~ ~~Q420~~

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आज मिति २०७३।०४।२३ गतेको दिन सुगु
जिल्ला मुख्या कार्यालय, जाँचपालिका वडा नं. ८ माथिमा
तपोका विद्युत प्राधिकरण, वितरण प्रणाली सुदुरोत्तरी
तथा विस्तार आयोजना (DSUEP) अन्तर्गत तिमोण
हुन गरिएको श्रीनगर-मंगरी विद्युत वितरण लाईन
उप-आयोजना वितरण लाईन सभसभान तिमोणको
दिल्लिखानमा अतिथि, जेपिक र सामाजिक आयुक्त
तथा समष्टिक कतावरणमा पात सक्त प्रभाव लोको
हलफल यस वडाका वडा अध्यक्ष श्री पेसा सोह्रुल्लाम
ज्यूको अध्यक्षतामा डोमो निम्न सराकारवाला व्यक्तिको
तथा आयोजनाबाट उपस्थित विषयको सङ्ग्रहितमा
होटाप समालोचको हलफल र निर्णय गरको हो।

उपस्थित

क्र.सं.	नाम	ठेगाना	फोन नम्बर
१	पेसा सोह्रुल्लाम	डा.स.का.स. ५८६४३०८६०६	
२	कुमजस. (नेजि.क.स.)	"	
३	रतन कार्की	"	
४	हनुमान. (नेजि.क.स.)	"	
५	श.ब.न.स.न.	"	९८४५६८२२८२
६	गुरु गणेश.न.न.	"	
७	अनुरा.ल.मा.स.		
८	सिद्धि लामा		
९	न.न.स.स.स.स.		
१०	लेखना.पु.स.स.स.		
११	ल.म.स.स.स.स.		
१२	अ.म.स.स.स.स.	९८४८३२९८६	
१३	नेजि.क.स.स.स.	९८४९९४३६३	
१४	सुप्री.च.स.	"	
१५	न.न.स.स.स.	९८४८३२९९९	
१६			
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हलफलका निर्णयहरू

१. आयोजनाबाट आयोजनाको विवरण आयोजनाको वार्डमा
लागूका प्रत्येक भन्ने।
२. प्रस्तावित सब स्टेशन बडन लगा वडा नं. ८ मा (डोको)
वर्तीमा. १ पाल्खा सांख्यिक कर्म, अनिवार्य सांख्यिक
लगाइने हो।
३. प्रस्तावित विवरण लाईने सांख्यिक वन. सांख्यिक लगा
२ पैल्ला बाटो अर्ध प्रस्तावित सभसभान सभसभान
होइने हो।
४. उप-आयोजना तिमोण गरी उप-आयोजना सभसभान
सिच तथा दस्तावेज आद्यामा. रोजगारीमा प्रभावका
अवसर दिनुपर्ने।
५. प्रस्तावित उप-आयोजना तिमोण गरी यस क्षेत्रमा
संस्कृतिक तथा सांख्यिक प्रस्तावित मुडलका,
संस्कृत तथा सांख्यिक संस्कृतमा. कुनै प्रकारको
नकारात्मक असर नहुन गरी तिमोण गरी हुनुपर्ने तथा
असुर हुन अवस्थाको आयोजनाको उचित सम्बन्ध
गर्नुपर्ने हो।
६. प्रस्तावित उप-आयोजना तिमोण क्षेत्र बस्ती (गोर्खा),
सांख्यिक संस्कृत, संस्कृत हुन सभसभान, सांख्यिक सांख्यिक
प्रस्तावित संस्कृत नरको लागूकारी गराइने हो।
७. आयोजना प्रस्तावित प्रस्तावित क्षेत्र अतिथि/नेजि.क.स.
तपोका बस्तीमा रडको सुगुकारी गराइने हो।
उताइको दामको सांख्यिक कुप्राख्यामा कुनै
असुर लागू लागूकारी गराइने हो।
८. यस क्षेत्रमा सिने विद्युत आयोजना आयोजनाको
उप-आयोजना तिमोण बस्तीमा. हिता.स.स.
गरी तिमोण सभसभान पञ्चायत विद्युत आयोजना
गर्नुपर्ने हो।
९. यस उप-आयोजना तिमोण, स्थानिय सराकारवाला
कोषको मुज सङ्ग्रह र सभसभान रडको हो।

कार्या

डाटा मिति २०७३/०२/२६ गतेको दिन मुगु जिल्ला
हाथौतवा २२२ नम्बर पालिका वडा नं १ वार्डमा नेपाल विद्युत
प्राधिकरण, वितरण पुर्णको स्वीकृती तथा विस्तार आयोजना
(DSUEP) अन्तर्गत निर्माण हुने गड्डिचोक जीतगाउँ-भोली
विद्युत वितरण लाईन उप-आयोजना। पितृका लाईन निर्माणको
शिलशिलामा आर्थिक, जैविक र सामाजिक, आर्थिक तथा
सांस्कृतिक जलवायुमा पनि सक्ने प्रभाव पारेको हुनाले
कम्ती तिर सरोकारवाला व्यक्तिहरू तथा आयोजनाबाट
उपनिबन्धित सिङ्गलको सहभागितामा हस्तक्षेपको
हुनाले र निम्न गरीका हुन्।
उपनिबन्धित:

क्र.सं.	नाम	ठेगाना	फोननम्बर
१	लक्ष्मी व. झाडा	हाथौतवा-१	९८६३५४४३३५
२	डोल व. मल्ल	"	९८४२३५३४२५
३	प्रम व. मल्ल	"	९८४८३४८२४५
४	आमला देवी मल्ल	"	
५	प्रात व. मल्ल	"	९८६०६२९०९५
६	ककुमा मल्ल	"	९६४८३४६६४०
७	सिम्रिता मल्ल	"	९८६३६४३६९
८	विष्णु/६ ग. री	"	९६४४३६००६६
९	सुवर्ण-मल्ल	समानाथी/NAERC	
१०	ज्योति राय विमल	"	९८२९९४३८३९
११	राजेश गुरुङ	वडावाडा/६	९८४८३४९९९

हस्तक्षेपको निम्नपद्धति

१. आयोजनाबाट आउनु भएका विज्ञबाट आयोजनाको बारेमा
जानकारी प्राप्त भयो।
२. प्रस्तावित वितरण लाईन सामाजिक तथा भौतिक अवस्था
साथमाथि वन र सडक किलार भएर जान्छ।
३. यस उप-आयोजनाको वितरण लाईन विस्तार गर्दा
बासी नैजनाई बाडेरबाट लैजा कुपती तथा अरुको
तिमी जग्गाबाट बाडेरबाट लैजा कुपती हु। साथै तिमी

जग्गा जग्गाबाट बाडेर बाट लैजा कुपती अवस्था लैजा
तथा पोल जग्गाको आली व। हड्बाट लैजा राख्नु हुने।

४. उप-आयोजना निर्माण गर्दा उप-आयोजना सञ्चालन
कायमा शिप तथा दस्ताको आधारमा दस्ताको जग्गाबाट
लाईन रोडजारीमा प्राथमिकता अवसर दिनुपर्ने।
५. वितरण लाईन विस्तार गर्दा बासीनालीमा भूमि हुने
सक्ने अवस्थामा बासीनाली बासीनाली जग्गाबाट
जग्गा बासीनाली गराउनुपर्ने। बासीनालीको भूमिअर्थात
भूमि भूमिमा दिनुपर्ने।
६. प्रस्तावित उप-आयोजना निर्माण गर्दा यस जग्गा
हड्बाट बासीनाली तथा सामाजिक प्रस्तावित प्रस्तावित
संस्था तथा सामाजिक संस्थाबाट कुनै प्रकारको
नकारात्मक अवसर नहुने गरी निर्माण गरिनुपर्ने तथा
असुर हुने अवस्थामा आयोजनाको उचित व्यवस्थापन
गर्नुपर्ने हु।
७. प्रस्तावित उप-आयोजना निर्माण हुने बासीनालीमा
सम्पदा संस्कार सम्पन्न नभएको अवस्थामा गराउनु हुने।
८. आयोजना प्रस्तावित प्रस्तावित हुने जग्गा आयोजना
जग्गाबाट तथा आयोजनामा परिवार वा संस्था
नरहेको अवस्थामा गराउनु हुने।
९. यस जग्गा विद्युत आयोजना भएतापनि अर्थात
विद्युत आयोजना नभएको अवस्थामा यथाशक्ति
हिले हुने गरी सम्पन्न पश्चात अर्थात विद्युत
आयोजना गर्नुपर्ने।
१०. प्रस्तावित उप-आयोजना निर्माणमा बासीनालीमा
सम्पदा बासीनाली तथा सरोकारवालाहरूको भूमि
सङ्गान तथा सम्पन्न रहने हु।

Annex 6: DEED OF INQUIRY (MUCHULKAS)



छायाँनाथ रारा नगरपालिका

नगर कार्यपालिकाको कार्यालय

गमगढी, मुगु

मिति : २०७९।०२।१९
कर्णाली प्रदेश, नेपाल

पत्र संख्या ०७८।०७९

च.नं. १६४२

श्री नेपाल विद्युत् प्राधिकरण वितरण तथा ग्राहक सेवा
निर्देशनालय दरबार मार्ग काठमाडौं ।

विषय : आयोजनाले आदिवासी जनजाती तथा दलितलाई असर गर्ने-नगर्ने सिफारिस सम्बन्धमा ।

उपरोक्त सम्बन्धमा तहाँ कार्यालयको च.नं.२३१ मिति २०७९।०९।१२ को प्राप्त पत्र अनुसार नेपाल विद्युत् प्राधिकरण वितरण प्रणाली स्तर उन्नती तथा विस्तार आयोजना द्वारा निमाण गर्न लागिएको श्रीनगर-मारी विद्युत् वितरण लाइन उप आयोजना निर्माण हुने क्रममा यस छायाँनाथ रारा नगरपालिकाकामा आयोजनाले आदिवासी जनजाती तथा दलितको बसोबास भएता पनि प्रतक्ष्य प्रभावित क्षेत्र भित्र नपर्ने भएकोले उक्त आयोजना कार्यान्वय गर्दा आदिवासी जनजाती तथा दलित हरूको विमर्शकलापमा कुनै नकरात्मक असर नपर्ने व्यहोरा सिफारिस साथ अनुरोध छ ।

ललितजङ्ग मल्ल

नि.प्रमुख प्रशासकीय अधिकृत

ललितजङ्ग मल्ल

नि. प्रमुख प्रशासकीय अधिकृत



छायाँनाथ रारा नगरपालिका

नगर कार्यपालिकाको कार्यालय

गमगढी, मुगु

पत्र संख्या ०७८/०७९

च.नं..... १६८९

कर्णाली प्रदेश, नेपाल

मिति: २०७९/०२/१८

श्री नेपाल विद्युत् प्राधिकरण वितरण तथा सेवा निर्देशनालय
दरबार मार्ग काठमाडौं ।

विषय : गुनासो समाधान संयन्त्र गठनको जानकारी प्राप्त भएको सिफारिस सम्बन्धमा ।

उपरोक्त सम्बन्धमा तहाँ कार्यालय च.नं.३३१ मिति २०७९/०२/१२ गतेको प्राप्त पत्र अनुसार नेपाल विद्युत् प्राधिकरण वितरण प्रणाली, स्तरवृद्धि, तथा विस्तार आयोजना अन्तर्गत निर्माण हुन गइरहेको श्रीनगर-मारी विद्युत् विस्तार उप आयोजना सम्बन्धी गुनासो समाधान संयन्त्र गठन भएको जानकारी प्राप्त भएको व्यहोरा सिफारिस साथ अनुरोध छ ।

ललितजङ्ग मल्ल

नि.प्रमुख प्रशासकीय अधिकृत

ललितजङ्ग मल्ल

नि. प्रमुख प्रशासकीय अधिकृत



छायाँनाथ रारा नगरपालिका
१ नं. वडा कार्यालय
श्रीनगर, मुगु

कर्णाली प्रदेश, नेपाल

प.सं :- ०६८/०६९
च.नं :- १०६२

मिति २०७९/०२/२०

विषय :- आयोजनाले आदिवासी जनजाति तथा दलित लाई
असर गर्ने / नगर्ने सिद्धान्त सम्बन्धमा।

श्री नेपाल विद्युत प्राधिकरण
नितरण तथा ग्राहक सेवा
निर्देशनालय, दरबारमार्ग
काठमाडौं

प्रस्तुत विषयमा त्यहाँ कार्यालयबाट -च.नं.२३१ मिति २०७९/-
-०९/१२ को प्राप्त पत्र अनुसार नेपाल विद्युत प्राधिकरण नितरण प्रणाली
स्तरोब्धी तथा निस्तार आयोजना द्वारा निर्माण गरिने लाईनहरूको श्रीनगर
- मांग्री निम्न नितरण लाईन उप- आयोजना निर्माण हुने क्रममा
यस १ नं वडामा आयोजनाले आदिवासी जनजाति तथा दलितको क्षेत्रमा
सु असरतापनि पुग्यो प्रभावित क्षेत्र भित्र नपर्ने भएकाले उक्त आयो-
जना कार्यब्ययन गर्दा आदिवासी जनजाति तथा दलितहरूको क्रिया-
कलापमा कुनै पनि नकारात्मक असर नपर्ने व्यहोरा सिद्धान्त साथ
जातकारा गरिन्छ।


पदम राज मल्ल
वडा अध्यक्ष



छायाँनाथ रारा नगरपालिका
१ नं. वडा कार्यालय
श्रीनगर, मुगु

कर्णाली प्रदेश, नेपाल

प.सं :- ०७८/०७८

च.नं :- १०७३

मिति २०७८/०७/२०

विषय :- मुनासो समुदाय संयन्त्र गठनको जानकारी प्राप्त भएको
शिफारिस सम्बन्धमा।

श्री नेपाल विद्युत प्राधिकरण
वितरण ग्राहक सेवा निदेशनालय
दरबारमार्ग, काठमाडौं

प्रस्तुत निवेदनमा तथ्यांक कार्यालयको अ. तं ३३१ मिति २०७८/०७/२०को
प्राप्त निवेदन अनुसार नेपाल विद्युत प्राधिकरण वितरण प्रणाली स्तरो-
न्ती तथा विस्तार आयोजना अन्तर्गत निर्माण हुने गड्डखेलो श्रीनगर-मंग्री
विद्युत विस्तार उप-आयोजना सम्बन्धित मुनासो समुदाय संयन्त्र गठन
भएको जानकारी प्राप्त भएको त्यसै शिफारिस साथ अनुरोध गरिदिए

०७/०७/२०

पदम राज मल्ल
वडा अध्यक्ष



छायाँनाथ रारा नगरपालिका
Chhayanaath Rara Municipality
नगरकार्यपालिकाको कार्यालय

प.सं. ०७८/०७९

च.नं. ४६९

२ नं. वडा कार्यालय (2N0.Ward Office)
गमगढी, मुगु (Gamgadhi, Mugu)
कर्णाली प्रदेश नेपाल (Karnali Province Nepal)

मिति : २०७९/०२/१८

विषय:-आयोजनाले आदिवासी जनजाती तथा दलितलाई असर गर्ने /नगर्ने सिफारीस सम्बन्धमा ।

श्री नेपाल विद्युत प्रधिकरण
वितरण तथा ग्राहक सेवा निर्देशनालय
दरबारमार्ग, कामाण्डौ ।

प्रस्तुत विषयमा त्यहाँ कार्यालयको च.नं.२३१ मिति:-२०७९/०९/१२ को प्राप्त पत्र अनुसार नेपाल विद्युत प्रधिकरण,वितरण प्रणाली स्तरोन्ती तथा विस्तार आयोजना द्वारा निर्माण गर्न लागिएको श्रीनगर -माग्री विद्युत वितरण लाईन उप-आयोजना निर्माण हुने क्रममा यस २ नं. वडामा आयोजनाले आदिवासी जनजाती तथा दलितको बसोबास भएता पनि प्रत्यक्ष प्रभावित क्षेत्र भित्र नपर्ने भएकोले उक्त आयोजना कार्यन्वयन गर्दा आदिवासी जनजाती तथा दलितहरुको क्रियाकलापमा कुनै नकारात्मक असर नपर्ने व्यहोरा सिफारीस साथ अनुरोध गरीन्छ ।

२०७९/०२/१८
परिम राज चौलागाई
वडा अध्यक्ष
नगर कार्यपालिका-२, मुगु



छायाँनाथ रारा नगरपालिका
Chhayanaath Rara Municipality
नगरकार्यपालिकाको कार्यालय

प.सं. ०७८/०७९
च.नं. ४६२

२ नं. वडा कार्यालय (2N0.Ward Office)
गमगढी, मुगु (Gamgadhi, Mugu)
कर्णाली प्रदेश नेपाल (Karnali Province Nepal)

मिति : २०७९/०२/१८

विषय :- गुनासो समाधान संयन्त्र गठनको जानकारी प्राप्त भएको सिफारीस सम्बन्धमा ।

श्री नेपाल विद्युत प्राविधिकरण
वितरण ग्राहक सेवा निर्देशनालय दरबारमार्ग, काठमाडौं ।

प्रस्तुत विषयमा त्यहाँ कार्यालयको च.न. ३३१ मिति :- २०७९/०२/१२ को प्राप्त पत्र अनुसार नेपाल विद्युत प्राविधिकरण वितरण प्रणाली स्तररोन्ती तथा विस्तार आयोजना अर्न्तगत निर्माण हुन गई रहेको श्रीनगर - माथी विद्युत विस्तार उप- आयोजना सम्बन्धी गुनासो समाधान संयन्त्र गठन भएको जानकारी प्राप्त भएको व्यहोरा सिफारीस साथ अनुरोध गरीन्छ ।

(Signature)
प्र. राज चौलागाई
वडा अध्यक्ष
छायाँनाथ रारा नगरपालिका-२, मुगु



छायाँनाथ रारा नगरपालिका

४ नम्बर वडा कार्यालय,
भामवाडा मुगु ।



प.स. : -२०७८/०७९

कर्णाली प्रदेश, नेपाल

च.नं. :- ९९०

मिति : २०७९/०२/२५

विषय : गुनासो समाधान संयन्त्र गठनको जानकारी प्राप्त भएको सिफारिस बारे ।

श्री : नेपाल विद्युत विद्युत प्रधिकरण
वितरण तथा ग्राहक सेवा निर्देशनालय
दरबारमार्ग, कामाण्डौ ।

प्रस्तुत विषयमा त्यहाँ कार्यालयको च.नं. ३३१ मिति २०७९/०२/१२ को प्राप्त पत्र अनुसार नेपाल विद्युत प्रधिकरण, वितरण प्रणाली स्तरोन्ती तथा विस्तार आयोजना अर्न्तगत निर्माण हुन गई रहेको श्रीनगर माथी विद्युत विस्तार लाईन उप आयोजना सम्बन्धी गुनासो समाधान संयन्त्र गठन भएको जानकारी प्राप्त भएको व्यहोरा सिफारिस साथ अनुरोध गरिन्छ ।

राजेन्द्र लाल श्रेष्ठ
कार्यकारी
४ नं. वडा अध्यक्ष



छायाँनाथ रारा नगरपालिका

४ नम्बर वडा कार्यालय,
भामवाडा मुगु ।



प.स. : -२०७८/०७९

च.नं. :- ४८६

कर्णाली प्रदेश, नेपाल

मिति : २०७९/०२/२५

विषय : आयोजनाले आदिवासी जनजाती तथा दलितलाई असर गर्ने / नगर्ने सम्बन्धमा ।

श्री : नेपाल विद्युत विद्युत प्रधिकरण
वितरण तथा ग्राहक सेवा निर्देशनालय
दरबारमार्ग, कामाण्डौ ।

प्रस्तुत विषयमा त्यहाँ कार्यालयको च.नं. २३९ मिति २०७९/०९/१२ को प्राप्त पत्र अनुसार नेपाल विद्युत प्रधिकरण, वितरण प्रणाली स्तरोन्ती तथा विस्तार आयोजना द्वारा निर्माण गर्न लागिएको श्रीनगर श्रीनगर मांग्री विद्युत वितरण लाईन उप आयोजना निर्माण हुने क्रममा यस ४ नं. वडामा आयोजनाले आदिवासी जनजाती तथा दलितको बसोबास भएता पनि प्रत्यक्ष प्रभावित क्षेत्र भित्र नपर्ने भएकोले उक्त आयोजना कार्यन्वयन गर्दा आपदवासी जनजाती तथा दलितहरूको क्रियाकलापमा कुनै नकरात्मक असर नपर्ने व्यहोरा सिफारिस साथ अनुरोध गरिन्छ ।

राजेन्द्र लाल श्रेष्ठ
कार्यकारी
४ नं. वडा अध्यक्ष



छायाँनाथ रारा नगरपालिका

११ नं. वडा कार्यालय

रोवा, मुगु

कर्णाली प्रदेश, नेपाल

प.सं. :- ०६८/५५९

च.नं. ६२४

मिति २०७३/१२/२२ गते

विषय :- आयोजना ले आदिवासी जनजाति तथा दलितलाई अल्लो गर्ने
नगरे सिफारिस गरिएको बारे।

श्री नेपाल विद्युत प्राधिकरण

वितरण तथा ग्राहक सेवा निर्देशनालय
दरबारमार्ग, काठमाडौं।

प्रस्तुत विषयमा लेखी कार्यालय को नं.जे.२३३ मिति २०७३/१२/२२ को प्राप्त पत्रानुसार नेपाल विद्युत प्राधिकरण, वितरण प्रणाली स्तरोन्नी तथा विद्युत आयोजना द्वारा निर्माण गर्ने लाईनेको - क्षीकरण - माथी वितरण लाईने उप-आयोजना निर्माण हुने क्रममा यस ११ नं. वडामा आयोजनाले आदिवासी जनजाति तथा दलितको नसो - बाध भएता पनि प्रत्यक्ष प्रभावित क्षेत्र भित्र नपर्ने - बराबरको कुल आयोजना दायित्वभन्दा आदिवासी जनजाति तथा दलितहरूको त्रिआडलापमा हुने नकारात्मक असर नपर्ने - बराबर सिफारिस तथा अनुरोध गरिन्छ।

(**कुसुम कुमारी**)
वडा अध्यक्ष
११ नं. वडा कार्यालय



छायाँनाथ रारा नगरपालिका ११ नं. वडा कार्यालय

रोवा, मुगु

कर्णाली प्रदेश, नेपाल

प.सं. :- १८८/५५

च.नं. :-

४२५

मिति, २०७३/१२/२२ गते

विषय :- गुनाखो समाधान क्षेत्र जलजो सम्बन्धी प्राप्त भएको सिफारिस सम्बन्धमा ।

श्री. नेपाल विद्युत प्राधिकरण

वितरण ग्राहक सेवा निर्देशनालय दरबारमार्ग, काठमाडौं

प्रस्तुत निवेदनमा तहोतको प्रमाणित श्री. के. २२९ मिति २०७३/१२/१२ को प्राप्त प्रमाणित नेपाल विद्युत प्राधिकरण वितरण प्रणाली हस्तान्तरण तथा निहत्ता आयोजना अन्तर्गत निर्माण हुन गइरहेको श्रीगण-आँक्री विद्युत निहत्ता उप-आयोजना सम्बन्धि गुनाखो समाधान क्षेत्र जलजो भएको जानकारी प्राप्त भएको छुनोरा सिफारिस लाभ अनुरोध गरिन्छ ।

२/२२

(कुम्जुमा कुम्जुमा)

वडा अध्यक्ष



छायानाथ रारा नगरपालिका १२ नं. परिवर्तन वडा कार्यालय

जम्मा, मुगु
छायानाथ रारा
१२ नं. परिवर्तन वडा
मुगु, मुगु
कर्णाली प्रदेश नेपाल

कर्णाली प्रदेश, नेपाल

मिति १०६९/११/१२ गते

प.सं :- १०८/००९

च.नं :- ४९०

विषय : आयोजना ले आदीवासी जनजाति तथा दलितलाई
अछर पर्ने । तपने विडारिस् जारिने नै ।

श्री नेपाल विद्युत प्राधिकरण

वितरण तथा ग्रहण सेवा निर्देशनालय
दरबारमार्ग, काठमाडौं

प्रस्तुत विषयमा तहोत कार्यालय को.च.ने.२३९ मिति २०६९/११/१२ गतेको पत्र प्राप्त भयो । तत्पश्चात् नेपाल विद्युत प्राधिकरण, वितरण प्रणाली स्तरोत्ती तथा विद्यालय (आयोजना) द्वारा निर्माण गर्ने लागीरहेको भीमगल - माँझी वितरण लाईन लाईन उप-आयोजना निर्माण हुने क्रममा यस १२ नं. वडामा आयोजना ले आदीवासी जनजाति तथा दलितको कसोकास गराउने प्रत्यक्ष प्रभावित क्षेत्र भित्र तपने अछरले उत्पन्न आयोजना कार्यव्यवस्था गर्दा आदीवासी जनजाति तथा दलितहरूको क्रियाकलापमा कुनै नकारात्मक अछर तपने लक्ष्य होर विडारिस् लाय अनुरोध गरिन्छ ।

आ.प. २/१२

(श्रीहरिहराम रेग्मा)

आइतम्स प्रेक्षा
वडा अध्यक्ष
१२ नं. परिवर्तन वडा कार्यालय



छायानाँथ रारा नगरपालिका १२ नं. परिवर्तन वडा कार्यालय



कैलाली प्रदेश, नेपाल

मिति २०७३/११/१२ गते

प.स. :- ०६८१०६५
च.न. :- ४८५

विषय : गुनासो समाधान संयन्त्र जडानको मातकायै प्राप्त भएको सिफारिस सम्बन्धमा ।

श्री नेपाल निधुत प्राधिकरण

वितरण ग्राहक सेवा निर्देशनालय
दरबारमार्ग, काठमाडौं ।

इत्तुत विषयमा तर्फा कार्यालय को.चि.ने.२३१ मिति २०७३/११/१२ गतेको फालत पत्रानुसार नेपाल निधुत प्राधिकरणको वितरण प्रणाली हस्तरेन्ती तथा विस्तार आयोजना अन्तर्गत त्रिगोण हुन गर्दछेको क्षीता-मंगरी विद्युत विस्तार उप-आयोजना सम्बन्धि गुनासो समाधान संयन्त्र जडान भएको मातकायै प्राप्त भएको र यही सिफारिस साथ अनुरोध गरिन्छ ।

डा. १२/१२
(डा. १२/१२) जे.ब.पा.
आईताराम रेग्मा
वडा-अध्यक्ष
१२ नं. परिवर्तन वडा कार्यालय



पत्र नं.: ०६८/०६८

चलानी नं. ६२२

मुगुम कमरोड गाउँपालिका



मिति: २०७३/०८/२४

विषय: जुगासी समाधान संयोजन गठनको
जातकारी प्राल भएको सम्बन्धमा।

श्री नेपाल विद्युत प्राधिकरण
वितरण तथा ग्राहक सेवा विभाग
दरबारमार्ग, काठमाडौं ।

प्रस्तुत विषयमा तर्को सिफल कथरील्यको

प.स.२०७८/२०७९-च.नं.२३९ र मिति २०७३/०८/१९
जतेको प्राल पत्रानुसार नेपाल विद्युत प्राधिकरण,
वितरण प्रणाली स्थापना सतरोतती तथा विस्तार
आयोजना अर्न्तगत सिमीन डुन उपरेडको श्रीनगर
मांगी विद्युत वितरण लाईने उप-आयोजना
सम्बन्धी जुगासी समाधान संयोजन गठन भएको
जातकारी प्राल भएको थपडौरा सिमीन सच
अनुरोध गरिहू ।

हिरिड. क्याते लामा
गाउँपालिका अध्यक्ष
हिरिड क्याते लामा
गाउँपालिका अध्यक्ष



प.सं ०७८/०७९

च.नं १६८४

"बहुमूल्य जडिबुटी अर्गानिक खेति तामाखानी ध्यायौलेख पर्यटन पूर्वाधार, समृद्ध समुन्नत मुगुम कार्मारोङका आधार"

मुगुम कार्मारोङ गाउँपालिका

द नं. वडा कार्यालय

देवकाशी मुकु
द नं. वडा कार्यालय
कर्णाली प्रदेश

कर्णाली प्रदेश, नेपाल

मिति : २०७९/०२/२३

विषय : आयोजनाले आदीवासी जनजाती तथा दलित लाई असर पर्ने
नपने सिफारिस गरिएको बारे ।

श्री: नेपाल विद्युत प्राधिकरण वितरण तथा
ग्राहक सेवा निर्देशनालय दरबारमार्ग, काठमाण्डौ ।

प्रस्तुत विषयमा तहाँ कार्यालयको प.सं. २०७८/०७९ च.नं. २३१ र मिति २०७८/०२/१२ गतेको पत्र प्राप्त भयो ततअनुसार नेपाल विद्युत प्राधिकरण वितरण प्रणाली स्तरोन्ती तथा विस्तार आयोजना द्वारा निर्माण गर्न लागिएको श्रीनगर, मांग्री वितरण लाईन उप.आयोजना निर्माण हुने क्रममा यस द नं. वडामा ~~आदिवासी जनजाती~~ आदीवासी जनजाती तथा दलितको बसोबास भएतापनि प्रत्यक्ष प्रभावित क्षेत्र भित्र नपर्ने भएकोले उक्त आयोजना कार्यान्वयन गर्दा आदीवासी जनजाती तथा दलित हरूको क्रियाकलापमा कुनै नकारात्मक असर नपर्ने व्याहोरा सिफारीस साथ अनुरोध गरिन्छ ।

Prithvi Bhandari
०२/२३
प्रेमा टोन्डुल लामा
द नं. वडा अध्यक्ष

टेलीफोन नं: ९८४१७५५९४ ई-मेल :- ito.mugumkarmarongmun@gmail.com,
वेब साइट:- www.mugumkarmarong.gov.np, फेसबुक:- @mugumkarmarongmun,
ट्वीटर :- @mugumkarmarong



प.स. ०७८/०७९

च.नं. १६८२

"बहुमूल्य जडिबुटी अर्गानिक खेति तामाखानी छायाक्षेत्र पर्यटन पूर्वाधार, समृद्ध समुन्नत मुगुम कार्मारोङ्का आधार"

मुगुम कार्मारोङ गाउँपालिका

८ नं. वडा कार्यालय

मुगुम कार्मारोङ
सुनसरी जिल्ला
कर्णाली प्रदेश

कर्णाली प्रदेश, नेपाल

मिति : २०७९/०२/२३

विषय : गुनासो समाधान संगन्ध गठनको जानकारी प्राप्त भएको
सिफारिस सम्बन्धमा ।

श्री: नेपाल विद्युत प्राधिकरण वितरण तथा
ग्राहक सेवा निर्देशनालय दरवारमार्ग, काठमाण्डौ ।

प्रस्तुत विषयमा तहाँ कार्यालयको प.स. २०७८/०७९ च.नं. २३१ र मिति २०७९/०२/१२ गतेको प्राप्त पत्रानुसार नेपाल विद्युत प्राधिकरण वितरण प्रणाली स्थरोन्ती तथा विस्तार आयोजना अन्तरगत निर्माण हुन गईरहेको श्रीनगर, मांग्री विद्युत विस्तार उप.आयोजना सम्बन्धि गुनासो समाधान संयन्त्र गठन भएको जानकारी प्राप्त भएको व्याहोरा सिफारिस साथ अनुरोध गरिन्छ ।

02/23
पेमा टोन्डुल लामा
८ नं. वडा अध्यक्ष

{ टेलीफोन नं: ९८४१७५५९५ ई-मेल :- ito.mugumkarmarongmun@gmail.com,
वेब साइट:- www.mugumkarmarong.gov.np, फेसबुक: @mugumkarmarongmun,
ट्वीटर : @mugumkarmarong }



मुगुम कामरीङ गाउँपालिका

९ नं. वडा कार्यालय



पत्र संख्या :- ०६८/०६९

चलानी नम्बर :- २९०

काठमाडौं प्रदेश, नेपाल

मिति : २०६९/११/२९

विषय :- आयोजनाले आदिवासी जनजाति तथा दलितलाई असर गर्ने कार्यको सम्बन्धमा

श्री. नेपाल विद्युत प्राधिकरण
वितरण तथा ग्राहक सेवा विभाग/कार्यालय
दरबारमणी, काठमाडौं

प्रस्तुत विषयमा तहसँ स्वीकृत कार्यालयको -च. नं. ९९९

मिति २०६९/११/१९ को फाल्गुन महिनाको नेपाल विद्युत प्राधिकरण, वितरण प्रणाली स्तरोन्नती तथा विस्तार आयोजनाद्वारा निर्माण गर्ने लाइनहरूको श्रीनगर-मंग्री वितरण लाईन उप-आयोजना निर्माण हुने क्रममा यस इलाकाका आयोजनाले आदिवासी जनजाति तथा दलितको बसोबास भएका पनि प्रत्यक्ष प्रभावित हुने भित्र नपर्ने भएकोले उक्त आयोजना कार्यद्वारा गरी स्वामीय आदिवासी जनजातिहरूको परम्परागत रहनसहन धर्म भाषा सांस्कृतिक तथा दलित-उहाँको हकलाभमा कुनै नकारात्मक असर नपर्ने गरी योको सिफारिस साथ अनुमोदन गरिनेछ

१०२९/११/२९
२०६९/११/२९
रतनबहादुर बुढा
वडा अध्यक्ष
मुगुम कामरीङ गाउँपालिका

श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तर उन्नति तथा विस्तार आयोजना,
दरबारमार्ग, काठमाण्डौ, नेपाल ।



विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९.१२.१२ को प्राप्त पत्रानुसार
..... जिल्ला,
..... गा.पा./न.पा. न.सं. मा नेपाल विद्युत प्राधिकरण द्वारा
प्रस्तावित "वितरण प्रणाली स्तर उन्नति तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यस प्रदेश, जिल्ला,
गाउँ/नगर पालिका कार्ड नं. मा अवस्थित यस को
सूचना पाटिमा २०७९.१२.१२.९..... गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ ।

हस्ताक्षर:

नाम: जलित जैग मल्ल
पद: प्रमुख प्रशासकीय अधिकृत

कार्यालय/संस्थाको छाप

जलित जैग मल्ल
नि. प्रमुख प्रशासकीय अधिकृत

श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना,
दरबारमार्ग, काठमाण्डौ, नेपाल ।

विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९.१२.११ को प्राप्त पत्रानुसार
.....मुगु..... प्रदेश,मुगु..... जिल्ला,
.....काठमाडौं..... गा.पा./न.पा९..... वडामा नेपाल विद्युत प्राधिकरण द्वारा
प्रस्तावित "वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यसकाठमाडौं..... प्रदेश,मुगु..... जिल्ला,
गाउँ/नगर पालिका वार्ड नं९..... मा अवस्थित यस.....काठमाडौं..... को
सूचना पाटिमा २०७९.१२.११... गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ ।

हस्ताक्षर:

नाम: पद्मराज भट्ट
पद: वरिष्ठ अभियन्ता



वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना अन्तर्गतका उप-आयोजनाहरूको
वातावरणीय तथा सामाजिक व्यवस्थापन योजना (Environmental and Social
Management Plan) प्रतिवेदन तयारी सम्बन्धी
सार्वजनिक सूचना टाँस को मुचुल्का

..... प्रदेश, जिल्ला, गापा/नपा
..... वडामा नेपाल विद्युत प्राधिकरण द्वारा प्रस्तावित "वितरण प्रणाली स्तरउन्नति
तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक व्यवस्थापन योजना (Environment and Social
Management Plan) प्रतिवेदन तयारी सम्बन्धि सार्वजनिक सूचना यस जिल्ला
..... गाउँ/नगर पालिका वार्ड नं. मा
आज २०७९.१०.०६ गते हामी तपसिलका व्यक्तिहरूको रोहवरमा टाँस गरिएको प्रमाणित गर्दै यो मुचुल्का
गरिदियौं।

तपसिल

क्र.स.	नाम	ठेगाना	पेशा	सम्पर्क नम्बर	हस्ताक्षर
१.	लक्ष्मी देवी शर्मा	डा.पा.मंगर-९	कृषि	९८३९४४९९६	
२.	सुनिल कुमार	"	"	९८३२४३४२६	
३.	श्री कृष्ण शर्मा	"	"	९८४६३०२४६	
४.	अमला शर्मा	"	"	१६	



श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना,
दरबारमार्ग, काठमाण्डौ, नेपाल ।

विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९.१०.१२ को प्राप्त पत्रानुसार
.....
.....
.....
प्रस्तावित "वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यस प्रदेश, जिल्ला,
गाउँ/नगर पालिका वार्ड नं मा अवस्थित यस को
सूचना पाटिमा २०७९.१०.१२.१९ गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ ।

हस्ताक्षर:

नाम:

पद:


परम राज चौलागाई
वडा अध्यक्ष
छापानाथ रारा नगरपालिका-२, मुगु

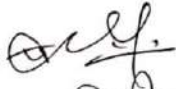


कार्यालय/संस्थाको छाप

श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना,
दरवारमार्ग, काठमाण्डौ, नेपाल ।

विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९.११.१२ को प्राप्त पत्रानुसार
..... जिल्ला,
..... प्रदेश,
..... गा.पा./न.पा. वडामा नेपाल विद्युत प्राधिकरण द्वारा
प्रस्तावित "वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यस प्रदेश, जिल्ला,
गाउँ/नगर पालिका वार्ड नं मा अवस्थित यस को
सूचना पाटिमा २०७९.११.१२ गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ ।

हस्ताक्षर: 
नाम: पद्मा देवी भाम
पद: वडा सचिव


कार्यालय रास नगरपालिका
४ नं. वडा कार्यालय
कणाली, प्रदेश
गणवाडा, रास
कार्यालय/संस्थाको छाप

सार्वजनिक सूचना टाँस को मचल्का

कपाली प्रदेश, मुगु जिल्ला, हाथौतावा राई गापा/नपा
४ नम्बर वडामा नेपाल विद्युत प्राधिकरण द्वारा प्रस्तावित "बितरण प्रणाली स्तर उन्नति
तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक व्यवस्थापन योजना (Environment and Social
Management Plan) प्रतिवेदन तयारी सम्बन्धि सार्वजनिक सूचना यस मुगु जिल्ला
हाथौतावा राई गाउँ/नगर पालिका वार्ड नं ४ को आभार मा
आज २०७९ गते हामी तपसिलका व्यक्तिहरुको रोहवरमा टाँस गरिएको प्रमाणित गर्दै यो मुचुल्का
गरिदियौं।

तपसिल

क्र.स. नाम	ठेगाना	पेशा	सम्पर्क नम्बर	हस्ताक्षर
१ प्रणव. परिशर	हाणताय रासा त.पा.४	कृषि	९६९८८८२२८२३	R.S.
२ अलग रोका	"	कृषि	९६९२९४६९८९५	
३ प्रणव. बुढा	"	कृषि	९६९९९२२५२६	
४ जिल्ला वं भाऊ	"	कृषि	९८९६९६२४२९	
५ सिलाला भाऊ	"	कृषि		
६ पंकज पंरवच प्रडतरा	"	कृषि	९८९१२९६०२९	

श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना,
दरवारमार्ग, काठमाण्डौ, नेपाल ।

विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९/०२/१२ को प्राप्त पत्रानुसार
.....काठमाडौं..... प्रदेश,सुर्खेत..... जिल्ला,
.....हनुमानगढी..... गा.पा./न.पा.११..... वडामा नेपाल विद्युत प्राधिकरण द्वारा
प्रस्तावित “वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना” को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यसकाठमाडौं..... प्रदेश,सुर्खेत..... जिल्ला,
गाउँ/नगर पालिका वार्ड नं.११..... मा अवस्थित यस.....हनुमानगढी..... को
सूचना पाटिमा २०७९/०२/१२ गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ।

हस्ताक्षर:

नाम: कृष्णमा शर्मा
पद: कार्यम कर्मचारी
वडा अध्यक्ष
११ नं. वडा कार्यालय।



श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना,
दरबारमार्ग, काठमाण्डौ, नेपाल ।

विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९.१०.२१.१२ को प्राप्त पत्रानुसार
.....
.....
..... गा.पा./न.पा. वडामा नेपाल विद्युत प्राधिकरण द्वारा
प्रस्तावित "वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यस प्रदेश, जिल्ला,
गाउँ/नगर पालिका वार्ड नं मा अवस्थित यस को
सूचना पाटिमा २०७९.१०.२१.१२ गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ ।

हस्ताक्षर:

नाम: डि. डि. वत्सल लामा
पद: नियन्त्रक अधिकारी
लेखिन्द आचार्य
निर्वाहक अधिकारी



कार्यालय/संस्थाको छाप

श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना,
दरबारमार्ग, काठमाण्डौ, नेपाल ।

विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९/०२/१२ को प्राप्त पत्रानुसार
..... जिल्ला,
..... प्रदेश, वडामा नेपाल विद्युत प्राधिकरण द्वारा
..... गा.पा./न.पा. प्रस्तावित "वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यस प्रदेश, जिल्ला,
गाउँ/नगर पालिका वार्ड नं मा अवस्थित यस को
सूचना पाटिमा २०७९/०२/१ गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ।

हस्ताक्षर: प्रेमराज खोखुल
नाम: प्रेमराज खोखुल लामा
पद: प्रमुख प्रशासकीय अधिकृत
ट नं. वडा अध्यक्ष



कार्यालय/संस्थाको छाप

श्री नेपाल विद्युत प्राधिकरण
वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना,
दरबारमार्ग, काठमाण्डौ, नेपाल ।

विषय: सूचना टाँस गरिएको सम्बन्धमा ।

उपरोक्त सम्बन्धमा त्यस कम्पनीको मिति २०७९/०२/१२ को प्राप्त पत्रानुसार
..... जिल्ला,
..... प्रदेश,
..... गा.पा./न.पा. वडामा नेपाल विद्युत प्राधिकरण द्वारा
प्रस्तावित "वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक
व्यवस्थापन योजना (Environment and Social Management Plan) प्रतिवेदन तयारी सम्बन्धि
सार्वजनिक सूचना यस प्रदेश, जिल्ला,
गाउँ/नगर पालिका वार्ड नं मा अवस्थित यस को
सूचना पाटिमा २०७९/०२/१२ गते टाँस गरिएको व्यहोरा जानकारीका लागि अनुरोध छ ।

हस्ताक्षर:

नाम: रतन बहादुर बुढा
पद: प्रमुख अभियन्ता
रतन बहादुर बुढा
५ नं. वडा अध्यक्ष
मधुवन कार्मारोङ गाउँपालिका



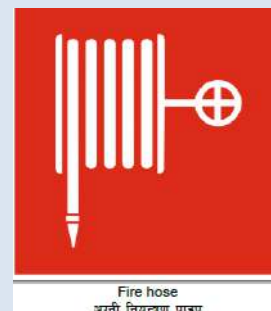
कार्यालय/संस्थाको छाप

वितरण प्रणाली स्तरउन्नति तथा विस्तार आयोजना अन्तर्गतका उप-आयोजनाहरुको
वातावरणीय तथा सामाजिक व्यवस्थापन योजना (Environmental and Social
Management Plan) प्रतिवेदन तयारी सम्बन्धी
सार्वजनिक सूचना टाँस को मुचुल्का

कोशी प्रदेश, मुगु जिल्ला, मुगु गापा/नपा
१२ वडामा नेपाल विद्युत प्राधिकरण द्वारा प्रस्तावित "वितरण प्रणाली स्तरउन्नति
तथा विस्तार आयोजना" को वातावरणीय तथा सामाजिक व्यवस्थापन योजना (Environment and Social
Management Plan) प्रतिवेदन तयारी सम्बन्धि सार्वजनिक सूचना यस मुगु जिल्ला
मुगु गाउँ/नगर पालिका वार्ड नं १, १२ मा
आज २०७९.१०.२२ गते हामी तपसिलका व्यक्तिहरुको रोहवरमा टाँस गरिएको प्रमाणित गर्दै यो मुचुल्का
गरिदियो।

तपसिल

क्र.स.	नाम	ठेगाना	पेशा	सम्पर्क नम्बर	हस्ताक्षर
१	जोशी कला बुद्ध	मुगु गापा/नपा १२	व्यापार	९८८३८८६६८	
२	लाल वंशिका	हा.रा.न.पा १२	कृषि	९६८२२४८०९८	
३	दुध कला राँका	मुगु गापा/नपा १२	व्यापार		

Annex 7: SAFETY RELATED SIGNS AND WASTE MANAGEMENT PRACTICES**SIGNAL NOTICE****DANGER SIGNS****INSTRUCTION SIGNS****SAFETY AND SAFETY INSTRUCTION SIGNS**



Annex 8: PHOTOGRAPHS



DL alignment at Chhayanath Rara Municipality



DL alignment passes through Community Forest



Tapping point (Chhayanath Rara Municipality Ward No. 4)



Notice Pasting for Public Consultation



Measuring DBH of tree at Bhadali CF



DL Alignment Passes through Community Forest



Proposed area for substation at Mangri, Mugum Karmarong Rural Municipality, Ward No. 9



Consultation Meeting at Mugum Karmrong RM, Chatyalbada



Consultation Meeting at Chhayanth Rara Municipality, Ward No. 11



Consultation Meeting at Mugum Karmarong RM, Ward No. 9

Annex 9: ENVIRONMENTAL AND SOCIAL SCREENING AND RAPID ASSESSMENT GUIDANCE FOR DISTRIBUTION LINE

9.1 Screening Guidance – to be filled up per subproject (11kV line)

Province:
District/Municipality:
Subproject Name:
Subproject Location: name of locations of distribution line (start from/ward/municipalityend to..... (ward/municipality),
Total length of distribution line:.....km/m

Environmental and Social Screening Criteria	Project Requirement
Environmental Impact Assessment Requirement EIA/IEE. As per national requirement (as per Environmental Protection Act 2019) does the subproject require assessment of BES/IEE or EIA, Please tick the requirement.	
1.	If “Yes”, the subproject needs to prepare ESMP as per AIB requirement.
Natural Habitat Defined as the type of natural environment in which a particular species of organism lives. It is characterized by both physical and biological features and that human activity has not essentially changed the main ecological functions of the area	
4. Is the subproject located in a legally protected area based on Forestry Map?	If “Yes”, please indicate what type of permission it will requires
5. Does distribution line route/poles close to any touristic view points, wetlands, and sites of cultural / religious / archeological / historic significance?	If “Yes” please indicate what impact it will entail.
6. Will the subproject significantly make impact of degradation or change of the natural known habitat/migration movement route of protected rare and endangered species and/or forest in the protected area, proposed protected area or area considered with special ecology?	If “Yes”, please indicate what impact it will entails including cutting down trees etc.
7. Does the distribution line/ route and locations of poles are falling in any landslide & erosion prone/ risk spot where geological avoidance is not feasible	If “Yes” please indicate what impact it will entail.
Indigenous Peoples (IPs) Identification of the existence IPs is aimed to guarantee that IPs would be treated as well as other community members and given opportunity to participate and get access to the benefit of the project with ways that would not threat their exclusive culture and welfare. The project has to give correct and detail information of the objective and plan (design, schedule etc) of the subproject with consultation with the IPs before any construction activity in the area started. The term IPs is used generally for an ethnic individual or group that: (i) are considered by	

<p>national or local laws or policies as well as anthropological researches/studies as belonging to ethnic minorities or Indigenous Peoples defined by Nepal Federation of Indigenous Nationalities (NEFIN); (ii) identify as being part of a distinct social and cultural group; (iii) self-identify as being part of a distinct social and cultural group; (iv) maintain collective attachments to distinct habitats or ancestral territories and/or to the natural resources in these habitats and territories; (v) maintain cultural, economic, social, and political institutions distinct from the dominant society and culture; (vi) speak a distinct language or dialect; (vii) have been historically, socially, and economically marginalized, disempowered, excluded, and/or discriminated against; (viii) represented as “Indigenous Peoples” or as “ethnic minorities” in any formal decision-making bodies at the national or local levels.</p>	
<p>7. Is the subproject area affected community:</p> <p>(i) Are considered by national or local laws or policies as well as anthropological researches/studies as belonging to ethnic minorities or Indigenous Peoples defined by Nepal Federation of Indigenous Nationalities (NEFIN)?</p> <p>(ii) Identify as being part of a distinct social and cultural group?</p> <p>(iii) Self-identify as being part of a distinct social and cultural group?</p> <p>(iv) Maintain collective attachments to distinct habitats or ancestral territories and/or to the natural resources in these habitats and territories</p> <p>(v) Maintain cultural, economic, social, and political institutions distinct from the dominant society and culture?</p> <p>(vi) Speak a distinct language or dialect?</p> <p>(vii) Have been historically, socially, and economically marginalized, disempowered, excluded, and/or discriminated against?</p> <p>(viii) Represented as “Indigenous Peoples” or as “ethnic minorities” in any formal decision-making bodies at the national or local levels?</p>	<p>If “Yes” in any of the question no 7, consultation should be conducted as described above. This should be documented as followed: (i) proof of dissemination of the notice for consultation; (ii) notes on when is the consultation being held, who attend the consultation, what is the result, and documentation of every consultation, with list of attendance segregated by gender. The form of attendance list and notes of meeting is attached in Appendix 11</p>
<p>8. Is there any adverse impact on any groups identified (by answering “Yes”) on the point 5?</p>	<p>If “Yes”, the subproject is not qualified to be included. Realign.</p>
<p>Cultural Resources</p> <p>Cultural resources include tangible culture (such as buildings, monuments, landscapes, books, works of art, and artifacts), intangible culture (such as folklore, traditions, language, and knowledge), and natural heritage (including culturally significant landscapes, and biodiversity)</p>	
<p>9. Is the subproject temporary or permanently causing relocation or any other negative impacts to cultural heritage that has important significance for local, regional or national based on provincial or national list, proposed provincial or national list, and/or just has been identified when the</p>	<p>If “Yes”, the subproject is not qualified to be included</p>

public consultation with project affected people was held?	
10. Is there any cultural heritage especially with important value for local community (eg. ancestral tomb) being negatively affected by the subproject?	If "Yes", the subproject is not qualified to be included
Land Use The development of or erection of distribution poles will require use of land. The land requirement would be optimized by using government owned land. For Right of Way, private land might be affected if there is no existing Right of Way available, and/or necessary to connect to private customers. Consent of landowners for use of their land and people whose non-land assets impacted by the project would be secured using written documentary evidences as in Appendix 11. During the construction phase, there would be land to be used temporary for construction activities. The contractor on behalf of NEA should maximise the usage of public land like roadside, and will rent private land with budget taken from the construction contract if public land is not available.	
11. Is there any land owned by individual or organisation to be affected because of the subproject?	If "Yes", the consent form has to be filled and collected. Keep all written letter request and filled consent documentation in hard copies
12. Is there any subproject activity that would restrict or close access to the community usual activities, facilities and services, productive assets and natural resources permanently or temporarily?	If "Yes", explain briefly why there would be restriction and/or closure and what would be the arrangement with the landowners and land users. Keep all written filled consent documentation in hard copies
13. Is there any crops and/or trees (fruit, timber or herb) or fixed assets, loss of business or enterprises owned by individual or organisation to be affected because of the subproject?	If "Yes", explain briefly what would be the impacts of the trees and crops, loss of business or enterprises and the arrangement with the landowners, business owners and land users. Keep all written filled consent documentation in hard copies include reference/basis for compensation.
14. Is there any adverse impact on social and economic activities arising from change in land use	If "Yes", explain briefly what would be the adverse impacts on social and economic activities arising from change in land use
15. Is there restrictions on land and resources owned communally or by the Government	If "Yes", explain briefly what would be the impacts of the restrictions on land and resources owned communally or by the Government
16. Is there any private land to be used temporary during the construction phase for any construction activities?	If "Yes", explain briefly: - location(s) of private land to be used - evidence(s) that the land would be rented under contractor's contract
Safety Distance As per Electricity Regulation 2050 (1993)	
17. Schedule 12 (Distance which ought to be from wire to the ground)	If "Yes", for any of the question, the subproject has to redirect the distribution lines plan to follow the safety distance
18. Schedule 13 (Minimum distance which	Note:

ought to be from the wire to the house of tree) a.	Keep all plan documented in print-out, any change has to be noted in the resource documents
---	---

9.2 Mitigation measures if the impact entails:

	Particulars	Mitigation measures	Responsibility	Remarks
E1.	If route passes through forest area and tree cutting is required.			
E2.	If the distribution line/ route and locations of poles are falling in any landslide & erosion prone/ risk spot where geological avoidance is not feasible.			
E3.	To maintain minimum clearance as per government/NEA standard.			
E4.	If existing transformers are replaced with new one. How to manage to those replaced one			
E5.	Occupational health and safety measures of the works during the erection/installation of poles/cables			
E6.	Issues related to influx of labor/labor camp and sanitation			
E7.	Other if any			

Note: Kindly response mitigation measures with example if any alternative option has been selected/proposed during the survey and design of route. Mitigations measures stated shall be implemented during construction and operation phase.

Each package of the proposal (distribution line) will be subject to environmental screening and environmental compliance monitoring.

9.3 Supporting Form

1	Subproject		
2	Type of Activity (<i>choose in accordance with the activity</i>)	<input type="checkbox"/> Extension of 11 kV distribution lines <input type="checkbox"/> Expansion of distribution lines on existing right of way <input type="checkbox"/> :	
3	Project Description (<i>describe briefly about the project activities from preparation to operation</i>)		
4	Project Location (<i>describe the location of the project in detail, name of sub-village, village district, regency/city and province</i>)		
	Alternatives Considered and Hierarchy of Mitigation Measures applied (for private land and/or land belonging to IPs)		
5	Work Capacity (<i>describe the capacity of the work</i>)		
6	Protected Area (<i>checking whether the project location is in protected location below</i>)		
	a. Protected Area as defined By the Department of National Parks and Wildlife and conservation and Forest Act 2076	<input type="checkbox"/> Protected forest/Types of Forest <input type="checkbox"/> Wetland <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> National Park and Wildlife	<input type="checkbox"/>
		1.	
	c. List of protected species/animals based on the International Union for Conservation of Nature (IUCN) List		
7	Land Use – provide explanation for items 12-16 if applicable		
8	IPs Area (<i>checking whether the project location is in IP location or there are presence of IP groups or ethnic minorities in the community</i>)		

* might cross (X) more than one options

Form on Consent of Private Land Owner(s)**Statement Letter**

The person signing below,

Name :

.....

:

.....

Address :

.....

Phone Number :

.....

In relation with the request for electricity distribution upgrade and expansion of NEA with the following details:

Power :

.....

Location :

.....

Geo-tagging (coordinates):

.....

Like to inform that we give permission for the electricity installation to the above location from all parties that whose land and non-land assets (like plants and crops) could be affected by the development for installing the poles, transformer and right of way. The parties on the list below agree for the usage of the land and any necessary clearance needed (e.g. trimming of branches, cutting of trees).

List of Name

No	Name	Address	Signature
1			
2			
3			
4			

.....,,202..

Witnesses	Applicant
Ward Chair or Ward Member (other authority)	(Legal stamp)
(Name and signature)	(Name and signature)

Attachment:

Map of Distribution Network Plan Drawing

For any complaints or request for information, NEA can be contacted via **123**.

Notes and List of Attendance of Community Consultations

Notes of Community Consultations

Date, time :

:

Name of the Village /Municipality and Ward:

:

Name of the Province :

:

Note of the Community Consultation:

- 1.
- 2.
- 3.

Name of the notes : taker:		Signature:
Agreed by : Position	1.	Signature:
Position :	2.	Signature:

List of Attendance of Community Consultations

Date, time :

:

Name of the Village/Municipality and Ward:

:

Name of the Province :

:

No	Name	Gender		Address or Mobile Phone	Signature
		Male (M)	Female (F)		
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Google map of 11kV distribution line

Consent letter of Community Forest User Groups (If route alignment passes through forest)

E & S Screening completed by:

Name:

Designation:

Date:

E & S Screening verified/reviewed by:

Name:

Designation:

Date: