

**Government of Nepal
Ministry of Agriculture and Livestock Development
Nepal Livestock Sector Innovation Project (NLSIP)**

**Environmental and Social Management Plan for the Construction of
Livestock Service Centre, Musikot Municipality, Gulmi District**



**Nepal Livestock Sector Innovation Project
Hariharbhawan, Lalitpur
Nepal**

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ACRONYM/ABBREVIATION

AD	Anno Domini
amsl	Above Mean Sea Level
BoQ	Bills of Quantity
CBS	Central Bureau of Statistics
COVID	Corona Virus Diseases
DHM	Department of Hydrology and Meteorology
ESMP	Environmental and Social Management Plan
GCC	General Contract Condition
GRC	Grievance Redress committee
GRM	Grievance Redress Mechanism
HHs	Households
LPG	Liquefied Petroleum Gas
LSC	Livestock Service Center
m	Metre
MT	Metric Ton
NLSIP	Nepal Livestock Sector Innovation Project
Nos	Numbers
NTC	Nepal Tele Com
PMU	Project Management Unit
PPEs	Personal Protective Equipments
RCC	Reinforced Cement Concrete

1 INTRODUCTION

1.1 Project Background

The Nepal Livestock Sector Innovation Project NLSIP is a flagship Project in Nepal's livestock sector which became effective on 28 February 2018 and will end on 30 June 2023. The Project's main objectives are to increase productivity, enhancing value addition, and improving climate resilience of smallholder farms and agro-enterprises in selected livestock value-chains in Nepal. The Project's components are: a) strengthening critical regulatory and institutional capacity, b) promoting sector innovation and modernizing service delivery, c) Promoting Inclusive Value Chains for Selected Livestock Commodities; and d) Project Management and Knowledge Generation. The project will work in 291 municipalities of 28 districts with at least 200,000 primary beneficiaries (at least 45% women) and 500 small and medium size agro-enterprises.

NLSIP's major activities are: (a) small civil works, (b) farmer institutions development; (c) dairy, meat goat and Chyangra/ Pashmina production; (d) dairy/meat/Pashmina processing; (e) establishment of slaughterhouse and livestock markets; (f) vaccination campaigns; and (g) veterinary drugs and chemicals, and laboratory operation.

1.2 Introduction to Sub-project

NLSIP targets to construct the Livestock Service Center in Musikot Municipality, Gulmidistrict of Gandaki Province. The Livestock Service Center construction works include the office room, training hall, dispensary room, store room, laboratory room, animal waiting area, post mortem area, toilets/bathroom and sedimentation tank with soak pit. The proposed construction work will be done in the land of Livestock Service Center.

1.3 Justification of Sub-Project

Gulmi has a great potential of livestock rearing. In spite of this opportunity, there is lacking of livestock service center in the area. Cow, buffalo, goat, duck and hen are major livestock in the sub-project area. Thus NLSIP has proposed to support local community by constructing Livestock Service Center (LSC) to provide basic facilities for diagnosis of livestock diseases at their doorsteps for remedies. Musikot Municipality has demanded for the construction of Livestock Service Center which will provide much needed services to the livestock raising communities. The proposed LSC will provide basic facilities like test of dung, urine, milk and blood as well as diagnosis of livestock disease at the local's doorstep. The improved services will facilitate the locals to raise more and quality livestock which will increase the productivity of different livestock products such as milk and meat. As the proposed proposal is of Musikot Municipality, approval agency for building design is also the Municipality.

1.4 Relevancy of Environmental and Social Management Plan

As per present Environment Protection Act 2019 and Environment Protection Regulations 2020, it is not mandatory for environment assessment i.e. Brief Environmental Assessment, IEE and EIA for the proposed subproject of construction of Livestock Service Center (LSC). The

proposed site does not fall in any protected area management system, buffer zone or historically/culturally importance area. The sub-project does not cause any major social impacts to the people and communities. The Environmental and Social Screening Report of this sub-project suggests the preparation of ESMP to address environmental and social impacts which will arise during construction and operation. Accordingly, ESMP identifies some potential site specific risks and impacts associated with the sub-project which will be integrated in its design and monitored during implementation and operation.

1.5 Objectives of ESMP

- Identify, predict and assess potential environmental and social impacts of the subproject activities and describe measures for their avoidance, minimization and mitigation
- Provide practical guidance on the implementation of the environmental and social management measures.
- Specify institutional arrangements, roles and responsibilities for managing, reporting and monitoring environmental and social impacts in the proposed subproject.

1.6 Methodology

1.6.1 Literature Review

Different information required for the subproject were acquired from secondary sources such as district profile, topographic map, geological maps, Centre Bureau of Statistics (CBS), Department of Hydrology and Meteorology (DHM), Detail Engineering Survey Report etc.

1.6.2 Walk Through Survey

The site was visited on 25th Sept. 2020. A walk through survey was conducted for site observation as well as for collection of environmental and social information of the sub-project site and its surrounding. A screening checklist was filled up.

1.6.3 Stakeholder Engagement and Participation

A meeting of stakeholders was organized on 25th September 2020 in presence of Chairperson of Musikot Municipality. The purpose of the consultation was to disseminate the project information and solicit the opinion of respective agencies on key issues. Thirteen people were present in the meeting (**Annex II**).

The consultation was centered on different issues such as land availability for the sub-project, land ownership paper, trace map, potential impact on environment. These different issues were the agendas that were discussed during consultation. It has been confirmed that the land of Musikot Municipality-7 would be provided for LSC building construction and there is no adverse impact on environment and society. Nobody will be displaced from the proposal. Musikot Municipality has decided to provide the land to Veterinary Service Section for construction of Livestock Service Center (LSC) (1225 Sq.m) (**Annex III**). There is no any land dispute.

2 SUB-PROJECT DESCRIPTION

2.1 Type of Subproject

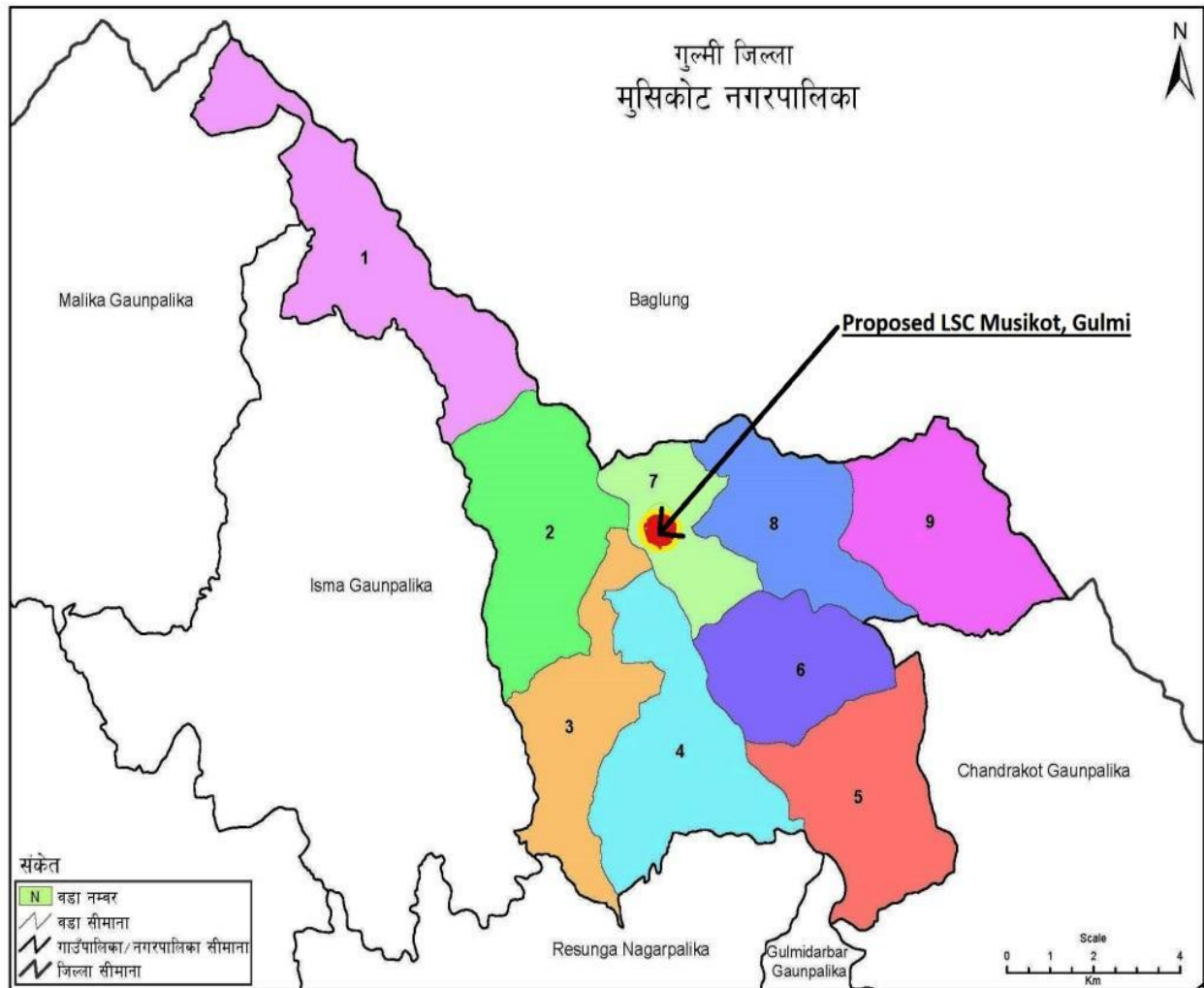
The sub-project is construction of **Livestock Service Center** at Musikot Municipality-7, Gulmi.

2.2 Location

The project area lies at Musikot Municipality-7, Gulmi, Lumbini Province. The latitude and longitude of the project area is 28°10'36.87"N and 83°16'57.93"E.

2.3 Accessibility

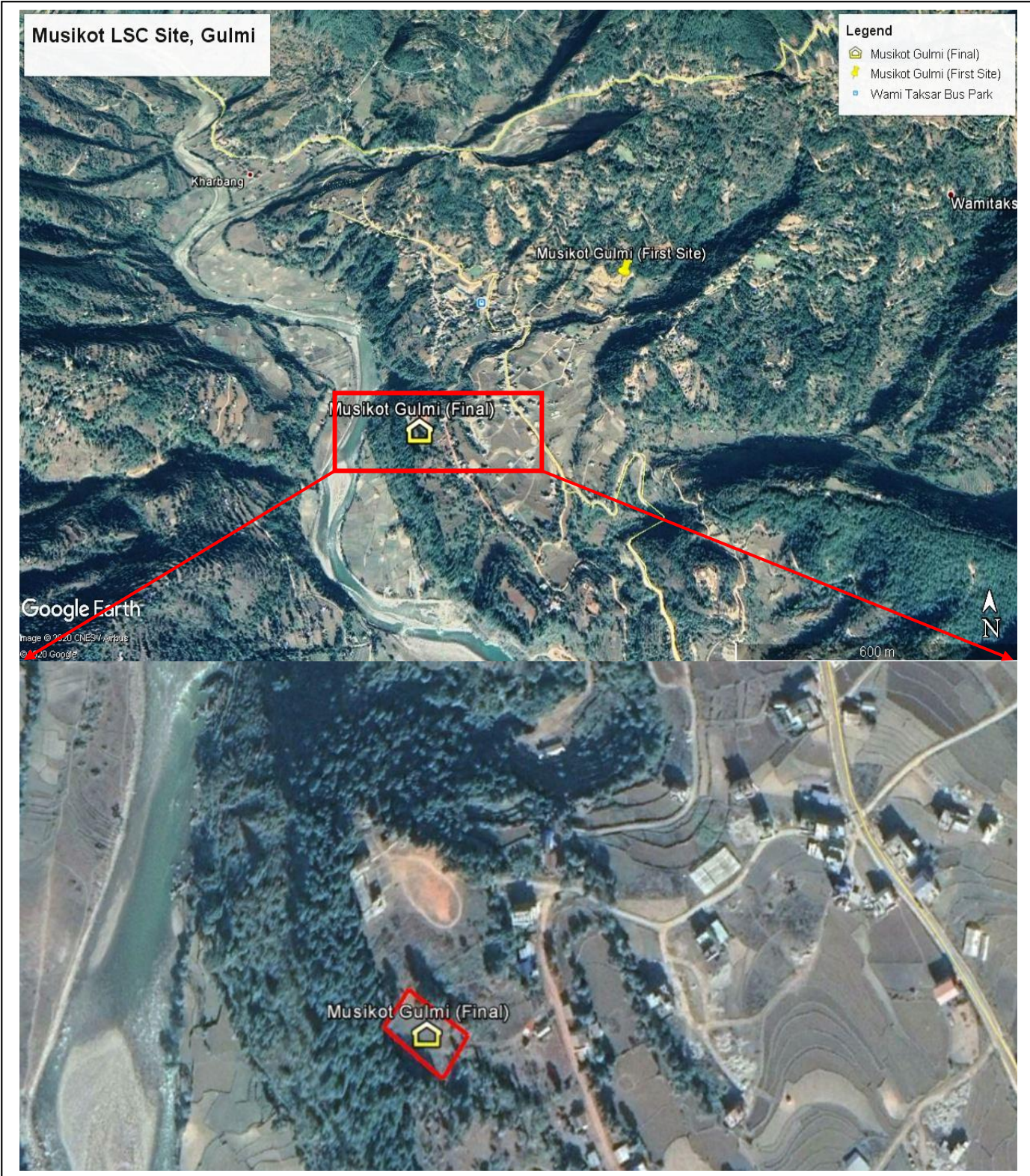
The subproject area is nearby the Pulpalal Highway. From Tari Phant (about 500 m south –ahead- from WamiTaksar Market), the proposed LSC site is about 350 m westwards in motorable road.



Map 1: Administrative Map Showing Proposed Sub-Project Site



Map 2: Proposed LSC Musikot Site on Topo Sheet



Map 3: Sub-Project Location in Google Image

2.4 Salient Features

The salient feature of the sub-project has been given in Table 1.

Table 1: Salient Features of Sub-Project

Name of Project	Construction of Livestock Service Center, Musikot
Location	
Province	Lumbini
District	Gulmi
Municipality	Musikot-7
Settlements	Paruwa
Access	0.35 Km west from Tari Phant Chowk at Puspahal Highway
Geographic Location	28°10'36.87"N; 83°16'57.93"E
Elevation	800 m amsl
Terrain	Flat at the proposed LSC site; Gentle slope towards west
Geology	Galyang Formation; Residual Soil
Climate	Sub-Tropical
Drainage and Hydrology	BadigadKhola (About 150 m west from sub-project site), JhediKhola (850 m south east) and DaramKhola (1.5 Km westwards)
Land Use	Agriculture, Forest, Open Space, Settlement, River Deposits, Water Body
Land Requirement	The land of proposed site belongs to Municipality with the area of 1,225 m ² where a building with dimension of 256.86m ² will be built.
Caste/Ethnicity	Dominated by Janajaati followed by Brahmin/Chhetri
Major Languages	Neapli, Magar, Newar, Gurung
Religion	Hindu (Dominant), Buddhist, Christian
Project components	Livestock Service Center Building with facility of laboratory, Training Hall, Store, Dispensary and Post Mortem Room; Separate Public Toilet, Septic Tank, Soak Pit, Biological Pit and Sand Pit
Type of Building	RCC
Total Cost	NPR. 21,822,116.69 (Inclusive of VAT)
ESMP Cost	NPR 3,359,983.05

2.5 Project Components/Activities

The clearance and permit for LSC Building construction has already been taken from Municipality (**Annex IV**).

2.5.1 Building Construction

A building with dimension of 256.86m² will be built. Along with the building, public toilet (13.25 m²), septic tank (10 m³), biological pit (4.15 m³), soak pit (3.14 m³) and Sand pit (16.51 m²) will be made. The sand pit is used to lay big cattle like buffalo and cow for an injection.

2.5.2 Sub-Project Requirements

2.5.2.1 Materials

For building construction, sand, cement, bricks and iron are the primary raw materials. The estimated amount of raw materials has been given in following Table 2.

Table 2: Material Requirements for Sub-Project

S.N.	Materials Required	Quantity	Unit
1	Cement	99.99	MT
2	Sand	141.00	cu.m
3	Iron/Steel/Rebar	19.10	MT
4	Bricks	110,400.00	Nos.
5	Gravel/Chips/Aggregate	171.00	cu.m
6	Stone/ Boulder	225.00	cu.m

2.5.2.2 Land

Nearly a total of 420 m² land is required for the construction of building and associated facilities. The land of proposed site belongs to Municipality with the area of 1,225 m² (**Annex III**).

Table 3: Project Component and Land Requirement

SN	Structure	Land Requirement	Ownership
1	Building	256.86m ²	Municipality
2	Toilet	13.25 m ²	
3	Septic Tank	10 m ³	
4	Soak Pit	3.14 m ²	
5	Biological Pit	4.15m ³	
6	Sand Pit	16.51m ²	

2.5.2.3 Energy

There is access of electricity in the sub-project area. LPG will be provided to workers if needed. Diesel and petrol will be used as per requirement for operation of machine.

2.5.2.4 Equipments

Majority of works will be manual. Mixers and vibrators will be used in construction activities. Excavator-1, Mixture-1, Dump truck-2 and Vibrator-1 will be used in the proposed subproject activities.

2.5.2.5 Human Resources

A total 2397persons man days skilled persons will be required while 5897persons unskilled man days will be required for proposed construction activities. Similarly, 120 persons operators man days will be required.

2.6 Project Implementation Schedule

The project is schedule for implementation after the approval of all project documents (Design and drawing, Cost estimate and ESMP) and complete within 2021.

3 EXISTING ENVIRONMENT AND SOCIAL BASELINE

3.1 Physical Environment

3.1.1 Topography and Geology

The terrain of the proposed sub-project area is flat with elevation of 800 m amsl. The project area lies in Midhillregion. Thus geologically it lies in Galyang Formation with residual soil.

3.1.2 Climate

The climate of the subproject area is sub-tropical climate with average maximumtemperature is 24.4°C and average minimum temperature 13.3 °C. Annual Precipitation here is about 1827.4 mm.

3.1.3 Drainage and Hydrology

There are many rivers and streams in the MusikotMunicipality.BadigadKhola(About 150 m west from sub-project site), JhediKhola (850 m south east) and DaramKhola (1.5 Km westwards) are the water body nearby the subproject area. There is no probability of flooding and water logging in the subproject area.

3.1.4 Air, Water and Sound Quality

There are no any significant activities or sources those may pollute air, water and sound quality. Vehicular movement is only the source of sound pollution as well air pollution.

3.2 Biological Environment

3.2.1 Forest/Vegetation

The area lies in the vegetation zone of Hill Sal Forest. The subproject site is clear. South and west boundary is covered with private sal trees. There is no need tree cutting for proposed subproject implementation.

3.2.2 Wildlife and Avian Fauna

Jackal is seen occasionally. Sometimes monkeys are also seen. Common birds such as crow, eagle, crane, dove, heron, kite, parakeet, cuckoo, owl, swift, shrike, bulbul etc. are seen in the project area.

3.3 Socio-Economic and Cultural Environment

3.3.1 Demography, Caste and Ethnicity

Total population of Musikot Municipality is 32,802 in 7,075 HHs with average family size of 4.64. Male population is 43.32%. There are 3,567 people residing in ward number 7, where LSC has been proposed to build. HHs in the ward is 747 and male population is 44.10%.

Dominant population is of indigenous group which contributes about 49.76% of total population. Dominant indigenous groups include Magar, Newar, Tamang in the ward while others include Brahmin/Chhetri, Thakuri, Musalman etc. Dalits are about 6.95% of total population. Kami, Damai and Sarki are dominant castes of Dalits.

3.3.2 Languages and Religion

All the people can speak Nepali in the Municipality. Others include Newari, Gurung, Magar and so on (Figure 1).

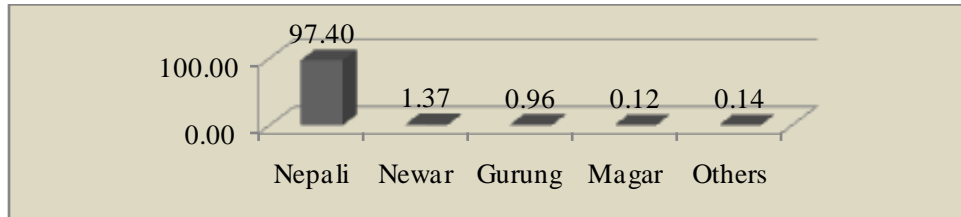


Figure 1: Population Percentage by Language in Musikot Municipality

Nearly 98% people follow Hindu religion in the Municipality. In ward number 7, nearly 90% HHs follow Hindu religion followed by Buddhist and Christian (Figure 2).

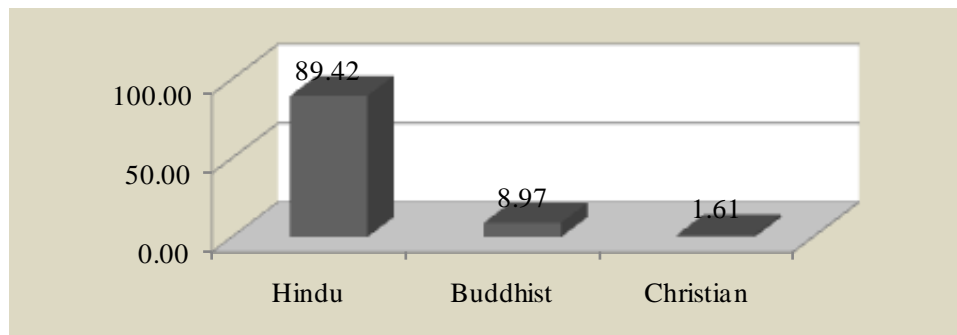


Figure 2: Population Percentage based on Religion in Musikot Municipality

3.3.3 Agriculture and Economic Activities

Major source of income in the ward number 7 of Musikot Municipality are agriculture (70%), business (5%), service (3%), daily wages (10%) and others (12%). Major food crops of the area are paddy, maize, millet and wheat. Cow, buffalo, goat, duck and hen are major livestock in the area (Table 4). The local people will get a fast service easily from the proposed LSC which helps to contribute the more production of milk and meat.

Table 4: Livestock in Ward No. -7, Musikot Municipality

SN	Livestock	Number
1	Cow	174
2	Buffalo	765
3	Bull Buffalo	7
4	Goat	830
5	Castrated Goat	390
5	Duck	5

6	Hen	3450
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3.3.4 Health and Sanitation

Nearly 88% HHs have access on piped water for drinking water, while remaining most of HHs use sprout water for drinking water, and other means of sources such as river, spring water. Similarly, nearly 19% HHs has no toilet facility in the Municipality.

3.3.5 Energy

About 70% HHs has access on electricity in the Municipality. Remaining 25% HHs uses kerosene, solar panel (4.5%) and other means of lighting. For cooking, about 96% HHs uses fuelwood followed by LPG (3%) and others such as biogas, kerosene etc.

3.3.6 Physical Facilities

Puspatal Highway passes through the Municipality. Similarly there are many rural and district roads. Low land area has irrigation facility. Majority of the land area has electricity. The area has well facility of communication with the networks of NTC and NCELL.

3.3.7 Market Centers

Wamitaksar is very old local market center which is about 1 Km west from the proposed LSC.

4 IMPACT IDENTIFICATION, MITIGATION AND MONITORING

With the support of NLSIP, Livestock Service Section, Musikot has proposed to construct LSC building. During construction period, construction activities may impacts on environment and social aspects of periphery of sub-project site. Site clearance and excavation works and construction activities may trigger environmental and social attention due to impacts on these entities while waste generation specially medical as well biodegradable waste are major concern in operation.

4.1 Impacts and Mitigation Measures

Major concerns due to proposed activities have been identified and tabulated in given Table 5 below.

Table 5: Impact Identification, Prediction and Mitigation Plan

Sub-Project Period	Project Activity	Impact		Augmentation/Mitigation Measures	Enhancement cost	Responsible Agency
Construction	Site clearance, Foundation Works and Building	Beneficial Impacts	1. Employment Generation and Skill Enhancement: Construction activities provide opportunities for employment and skill enhancement.	<ul style="list-style-type: none"> Priority for locals especially socially excluded, marginalized and out caste groups for employment as possible. 	Included in Contract document GCC 18.1(h) and does not incur cost.	Contractor/Proponent
		Adverse Impacts	1. Air/Sound Pollution: Excavation works, construction activities, and vehicular movement generate dust and noise thus affecting air and sound pollution at site specific level.	<ul style="list-style-type: none"> Haphazard excavation will not be done. Excavated earth material will be stored at designated place and reused for fillings. Construction materials will be stored in safe place. All liquid effluent will be collected in the soak pit to avoid unhygienic condition. 	Soak pit BoQ No. 2.1.1.3.36-2.1.1.3.53 cost 222,763.49	Contractor/Proponent
			2. Soil/Land pollution: The land/soil may be polluted due to spillage of fuels, lubricants, paints etc.	<ul style="list-style-type: none"> Safe handling of fuels, lubricants, paints etc. and safe storage of these materials. 	No extra cost is required.	Contractor/Proponent
			3. Solid Waste Generation: Excavated earth material (spoils), food waste from construction crew, construction wastes will be generated as wastes.	<ul style="list-style-type: none"> All the solid wastes except food stuffs are reused in land fillings. Biodegradable wastes will be composted and non-biodegradable waste will be managed in coordination with municipality. Waste will be collected in separate bins. 	BoQ item number 2.1.1.1.6 NPR 110,000.00 for Labor Camp, Toilet, Store, Waste bins, etc) BoQ item no 2.1.1.3.36-2.1.1.3.52 cost NRs 252,950.36 (Septic tank)	Contractor/Proponent

				<ul style="list-style-type: none"> • Septic waste will be managed in septic tank 		
			<p>4. Water Logging: Unmanaged spoil disposal, piling of construction material may block site specific drainage causing water logging at site.</p>	<ul style="list-style-type: none"> • Haphazard dumping of spoils will be prohibited and used for filling; • Stockpiling of construction material will be done in designated area. • The proposed construction will not damage existing drainage system. 	No extra cost is required.	Contractor/Proponent
			<p>5. Land Acquisition and Land Use Change: Land is needed for proposed sub-project. Open space will be converted to built up area.</p>	<ul style="list-style-type: none"> • Land is of LSC and no need of acquisition and displacement of people. • Greenery will be maintained to balance local microclimate. 	Tree Plantation BoQ Item 2.1.1.1.1, NPR. 2773.8	Contractor/Proponent
			<p>6. Occupation Health and Safety of Workers: Workers involved in construction activities might get injured during works. They may suffer from pollution.</p>	<ul style="list-style-type: none"> • PPEs such as gloves, helmets, boots, masks etc. will be provided to the all workers. • Insurance will be made for health injury or loss. • SOPs and provisions prescribed by GON and WB will be followed at work place. • PCR test will be done for all workers if needed. 	OSH, BoQ no. 2.1.1.1.2 cost NRs 35000. For Insurance BoQ Item 1.1 NPR. 62,034.00. For PCR, BoQ Item 1.3, NPR. 17,400.00	Contractor
			<p>7. Caste/Ethnicity/ Gender Discrimination in Work and Wages, and Work Places Workers might be</p>	<ul style="list-style-type: none"> • Priority will be given to local marginalized groups rather than caste and ethnicity. • Similarly, wages will be set as per works not on basis of gender, ethnicity and caste. 	No extra cost is required.	Contractor/Proponent

			discriminated as per caste/ethnicity/gender in works and wages in working area.	<ul style="list-style-type: none"> • Discrimination found at work place will be punished as per prevailing laws. 		
			<p>8. Social Conflict: Conflict may be due to employment opportunity among locals and outside workers, unsocial behaviors such as alcohol drinking, gambling etc., and also due to difference in culture and traditions among locals and outside workers</p>	<ul style="list-style-type: none"> • To minimize the impact, priority for employment will be given to locals. • Unsocial activities such as alcohol drinking, gambling will be prohibited in project site. • Outside workers will be informed about local tradition and culture if they will be hired. 	No extra cost is required.	Contractor/Proponent
			<p>9. Health Hazards: Poor sanitary conditions in project area, insufficient water supply, absence of waste management system and open defecation may increase the probability of occurrence of communicable diseases.</p>	<ul style="list-style-type: none"> • Provision of toilets (M/F) in the construction labor camps. • Provision of solid waste and liquid waste collection and management facilities. • Disposal of camp solid and liquid waste at the designated sites. 	<p>BoQ item number 2.1.1.1.6 NPR 110,000.00 for Labor Camp, Toilet, Store, Waste bins, etc</p> <p>Soak pit BoQ No. 2.1.1.3.36-2.1.1.3.53 cost 222,763.49</p> <p>BoQ item no 2.1.1.3.36-2.1.1.3.52 cost NRs 252,950.36 (Septic tank)</p>	Contractor/Proponent
			<p>10. Child Labour: Child labour may be used in construction related activities.</p>	<ul style="list-style-type: none"> • It will be ensured that the child labour will be strongly prohibited in the sub-project construction activities. • If found, legal action will be taken. 	No extra cost is required.	Contractor/Proponent

			<p>11. Pressure on local resources and service: There will be extra pressure on resources such as water, food etc. and services like health facility at local level if outside workers are hired.</p>	<ul style="list-style-type: none"> • Priority for employment will be given to locals to reduce extra pressure on local resources and service • Basic health facilities such as first aid kits will be provided at work place. • Thermal gun and provision of sanitizer will be made available at work site along with COVID-19 SOPs. • There is provision of municipal water supply. 	<p>BoQ item fir PPEs (Gloves, Helmets, Mask, Sanitizer, Thermal Gun, Boots, First Aid Box etc.) 2.1.1.1.2 PPEs; NPR 35,000.00 For PCR, BoQ Item 1.3, NPR. 17,400.00</p>	<p>Contractor/ Proponent</p>
			<p>12. Dispute between Proponent and Locals: Local public may have many quarries regarding the construction and operation of service centre. They might not have any idea about putting their grievances on about the sub-project.</p>	<ul style="list-style-type: none"> • Information board including information of on GRM and its focal person with contact detail will be installed at site. • A well establish Grievance Redressed Mechanism (GRM) will be established so that every grievance will be noted, discussed and addressed. • Radio jingles and Television scroll news will be broadcasted in local levels with full contact details. 	<p>For information board BoQ Item No. 2.1.1.1.4; NPR 10,000.00 and radio jingles and television scroll news (by NLSIP)</p>	<p>Contractor/ NLSIP</p>
			<p>13. Injuries and Accidents to Local Community Local people may come to visit or trespass the project activities site. Similarly, vehicular movement (due to proposed work) around</p>	<ul style="list-style-type: none"> • Unnecessary intrusions of local people in working areas will be prohibited. • Temporary fencing will be made during construction period. • Speed of vehicles used for construction activities will be 	<p>No extra cost is required except information board; For information board BoQ Item No. 2.1.1.1.4; NPR 10,000.00 and temporary fencing, BoQ Item No. 2.1.1.1.3; NPR 112,000.00</p>	

			the project area may increase the accidents.	maintained not more than 20 Km/hr to avoid accidents. • Information Board will also be kept in sub-project site.		
Operation of LSC (Lab testing and treatment of livestock)	Operation	Beneficial	1. Addition of Service Facility: Service facility will be there in operation phase thus local people can benefit from the added services.	• No augmentation measures	No cost Needed	Proponent
			2. Saving of Time and Cost: People will get livestock service at their local area which ultimately saves time and money.	• No augmentation measures	No cost Needed	Proponent
		Adverse Impacts	1. Solid Waste Generation: Biodegradable and non-biodegradable waste will be generated. Similarly, medical waste along with sharp wastes such as syringe, blade etc. will be generated. Sometimes injured or sick livestock may die at LSC	<ul style="list-style-type: none"> • Non-toxic biodegradable wastes will be composted to produce manure. • Non-toxic non-biodegradable wastes will be managed in coordination with local governments. • Toxic, medical waste and sharp wastes such as syringe, blade etc. will be initially autoclaved and managed with local governments. The proposed LSC will provide the primary level service (testing of dung, urine, milk and blood) so autoclaving, sterilization and management of waste could be undertaken by RM during its operation. 	Bio pit BoQ Item No. 2.1.1.3.36-2.1.1.3.53, NPR. 246810.25.	Proponent

				<ul style="list-style-type: none"> • Bio-pit will be made for died livestock. 		
			<p>2. Effluent Generation: Lab testing process will generate effluent in some extent.</p>	<ul style="list-style-type: none"> • The effluent generate from the lab will not possess harmful chemicals as there will have a primary level testing of dung, urine, milk and blood. So, the effluent will be collected in septic tank and then to soak pit. These structures will be constructed during construction phase. 	BoQ item no. 2.3.33-2.3.47 for septic tank and soak pit. With cost of NPR. 269,809.38and NPR. 222,763.49respectively.	Contractor
			<p>3. Water demand: Water demand will be more in operation of the facility.</p>	<ul style="list-style-type: none"> • Municipal water supply will be used during construction period and underground water tank will be made for water storage as there is a provision of municipality water supply system. 	For No separate cost for UGWT provided, included within the building below staircase; cost addressed within needed civil items (RCC, PCC, Plaster, etc)	Contractor
			<p>4. Surface Runoff and Drainage Management</p>	<ul style="list-style-type: none"> • Peripheral drain will be constructed around the apron of the structure and discharge to soak pit. • Surface water during rainy season will be managed through connecting the LSC drainage with natural drainage system. 	BoQ item no. 2.1.1.17-2.1.1.22 and cost is NPR 250,993.0159for peripheral drain.	Contractor
			<p>5. Occupational Health and Safety Working in laboratory is risk to the staffs. Accidents and other health related risk will be high.</p>	<p>PPEs such as gloves, boots, masks, etc. will be provided to the all workers.</p>	Cost will be managed by proponent during operation.	Proponent

			<p>6. Health Hazards: Poor sanitary conditions in LSC, insufficient water supply, absence of waste management system and open defecation may increase the probability of occurrence of communicable diseases. There would be chances of spread of disease from LSC (like, zoonotic diseases) to community.</p>	<ul style="list-style-type: none"> • Provision of toilets (M/F) in the LSC with septic tank and soak pit with water supply facilities. • Provision of solid waste collection and management facilities. • Disposal of solid and liquid waste at the designated sites. • Local people will not be allowed to laboratory, and since the LSC will have a primary level testing lab where dung, urine, milk and blood sample for minor test will be brought. The culturing of bacteria will not be carried in the LSC, so the chance of outbreak of zoonotic diseases is very low. • Boundary wall will be made to avoid unnecessary thoroughfare and allowing only authorized entry and isolate the area from the adjoining community to ensure community health & safety. 	<p>Cost of toilets (M/F) has been included in building cost; BoQ item no. 2.3.33-2.3.47 and Cost NPR.269,809.38. And for soak pit, BoQ no. item 2.3.33-2.3.47 and cost NPR 222,763.49.</p> <p>The BoQ item no. 2.1.1.17-2.1.1.22 and cost NPR 1,634,323.91 for boundary wall</p>	<p>Contractor/ Proponent</p>
			<p>7. Caste/Ethnicity/Gender Discrimination at service place: Beneficiary might be treated as per caste/ethnicity/gender while providing the services.</p>	<ul style="list-style-type: none"> • Service will be provided as per “First Come, First Service”, and based on seriousness of cases, not on basis of caste/ ethnicity/ gender. 	<p>No extra cost is required.</p>	<p>Proponent</p>

			8. Fire Hazards	• Fire extinguisher will be placed in the LSC	BoQ item No. 2.3.34-35 with cost NPR. 16,387.50	Contractor/ Proponent
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4.2 Safety Measures of Labour During COVID-19

The project will provide the following gear to protect the workers:

- use of PPEs,
- hygiene and sanitation including use of sanitizers during work time
- maintaining social distance while working and staying,
- restriction in movements during construction period
- daily temperature check-up of the workers
- isolation and quarantine in case of corona suspected,
- assist for PCR checking and treatment, if symptoms are seen and
- follow SOPs of GoN and WB at work place for COVID-19

The contractor will be liable to comply with the above mentioned measures and create safe working environment for the workers. The Project's team will keep constant monitoring of works through digital means such as photographs and mobile apps and provide feedback on a regular basis. The covid-19 response protocol for work force is attached in **Annex-IV**.

4.3 Grievance Redress Mechanism

The project has set up a three-tier functional GRM where all stakeholders can register their grievances or provide feedback. At the central level, a grievance redress committee (GRC) is formed which is chaired by the Joint Secretary and comprise of nine members. At cluster level, the grievance committee consists of five members and is led by the Regional Director of respective Provincial level Livestock Service Directorate. Down at district level, the GRC is led by the Chief of Veterinary Hospital and Livestock Service in respective districts comprising of following members.

- | | |
|---|------------------|
| 1. Chief of Veterinary Hospital and Livestock Service Expert Center- | Chairman |
| 2. Officer Representative of concerned District Coordination Committee Office- | Member |
| 3. Representative of District Chamber of Commerce and Industries (One person) - | Member |
| 4. One representative assigned by District Cooperative Union- | Member |
| 5. Representative of Concerned Financial Institution (One person) - | Member |
| 6. Commercial Farmer Representative One Person) - | Member |
| 7. Nodal Officer of Concerned Office- | Member Secretary |

The complainants may file their grievances at any channels of their convenience in writing, verbally or through other electronic media. The GRCs will be responsible to review the grievances received, take decisions and provide feedback on the decisions taken to the complainants within fifteen days. All GRCs have designated Nodal Officers who are liable to play key role in facilitating grievance registration and redressing procedures. In case of unresolved grievances, they will be forwarded to higher level GRC within the fifteen days.

4.4 Monitoring

NLSIP/PMU is responsible for regular monitoring and reporting of the implementation of the project. The experts from PMU will visit project site at periodic interval for the monitoring of the project and prepare the monitoring report. The detail of monitoring parameters, schedule, method and agencies to be consulted during construction and operation phases for physical, biological and social environment is given below.

4.4.1 Implementation Arrangement

The lead role in implementing the ESMP rests with the NLSIP/PMU. The PMU will be supported by livestock service center, Musikot and Musikot Municipality. Contractor/NLSIP-PMU and LSU, Musikot will be responsible for overall management of the project including implementation of safeguard requirements.

4.4.2 Environmental and Social Monitoring Plan

The project will undertake monitoring at different stages as follows.

4.4.2.1 Pre-construction Monitoring

Since there is no land dispute in this sub-project and the construction work will start immediately, preconstruction monitoring is not required for the proposed project.

4.4.2.2 Compliance Monitoring

The compliance monitoring will be conducted to monitor the compliance of the proposed mitigation measures activities. The compliance monitoring will mainly focus on the followings:

- compliance of the tender clauses;
- compliance of the mitigation measures;
- timely and adequately implementation of ESMP and
- Overall environmental and social performance of the project.

Effective monitoring at this stage is essential to avoid or minimize the potential adverse impacts and take corrective measures on time.

4.4.2.3 Impact Monitoring

Impact monitoring will be carried out to assess the post construction impacts of the livestock service center and will include mainly the followings.

- Monitoring the impacts on physical, biological and social environment of the people including changes in market operations, employment, income and livelihood of people;
- monitoring the degree of impacts i.e high, medium and low;
- monitoring of remedial measures undertaken; and
- Monitoring the effectiveness of mitigation measures implemented on the ground.

Table 6: Monitoring Indicators and Plan

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
1	Compliance	Construction	Incorporation of ESMP recommendations in project documents	Incorporation of ESMP recommendations into design document	Review detailed design. Project specification and tender documents	Following completion of tender documents	PMU
2			Site selection and preparation of construction logistics	Project's arrangement for materials storage, and construction activities	Site observation and photographic documentation	Beginning of construction period	PMU
3			Adequate technical and environmental supervision	Adequate number of technicians regularly at site	Check number and type of technicians available at site; Skill of work carried out; discussion.	Regular basis as per schedule of social mobilize but at least once a month during construction.	PMU
4			Use of local labors, particularly vulnerable groups and women	Specifications which obligate the contractors to observe certain quotas for employing local labor, especially vulnerable groups and women	Records that facilitates and coordinates the process for local people's employment, interviews	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period where labour work is contracted.	PMU
5			Compliance to Safe Storage of Chemicals and Safe handling of Chemicals and Fuels	Provision of store in construction sites.	Spot check at work sites and photos.	Regular basis as per schedule of social mobilize but at least once a month during entire construction period.	PMU

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
6			Compliance to Solid Waste Management	Separate waste collection bins; reuse of spoils and construction waste in land fillings	Spot check at work sites and photographs.	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
7	Compliance	Construction	Compliance to Water Logging	Safe Storage of spoils; not blockage of site specific drainage	Spot check at work sites and photographs.	Once a month during construction	PMU
8			Compliance to occupational health and safety measures	Health and safety regulations, first aid and medical arrangements, contingency plan, number and type of safety equipment such as mask, helmet, glove, safety belts	Spot checks at work sites, photos, accident records, interviews	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
9			Compliance to prevent Caste/Ethnicity/Gender Discrimination in Work and Wages, and Work Places	Number of workers based on Caste/Ethnicity/Gender; Wages of workers for different types of works.	Check ledger, attendance sheet, interview with workers, cases of complaint recorded at GRM regarding the issues of discrimination based on Caste/Ethnicity/Gender	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
10			Compliance to reduce social conflict	Number of local workers; cases of unsocial activities and conflicts.	Check attendance sheet, interview with workers, cases of complaint recorded at GRM regarding	Regular basis as per schedule of social mobilize but at least once a month during	PMU

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
					the issues of unsocial activities and conflicts.	the entire construction period.	
11			Compliance to Health Hazards	Availability of toilets (M/F) with provision of septic tank, soak pit and water facility; separate waste collection bins; Designated sites for waste disposal.	Spot check at work sites and photos.	At the beginning of work and Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
12	Compliance	Construction	Compliance to Child Labour Prohibition	Workers involved in the construction activities.	Spot check at work sites, Check the documents showing age of workers.	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
13			Compliance to Pressure on Local Resource	Number of local workers; availability of first aid box	Spot check at work site	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
14			Compliance to reduce dispute between proponent and locals.	Awareness and Information Dissemination through Information Board, Radio and Television.	Spot check at work site; Documentation of information dissemination materials and media;	Once a month during construction	PMU

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
					Interview with locals.		
15			Compliance to check injuries and accidents to locals.	Awareness and Information Dissemination through Information Board on Restriction to Visit Working Site; Speed limit board Installation.	Spot check at work site; Interview with locals.	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
16	Compliance	Operation	Compliance to Solid Waste Management	Separate bins for different types of waste; Provision of autoclave for medical wastes and sharp wastes such as blade and needles; Provision of bio-pit for died livestock; Provision of medical waste management with local government.	Spot check at the LSC; MoU with Local Government	Once in a month	Municipality
17	Compliance		Compliance to Effluent Management	Provision of Septic Tank and Soak Pit.	Design Document and Field Verification	Before implementation and once in a month	Municipality
18			Compliance to Water Management	Provision of Rain Water Harvesting System and Underground Water Tank	Design Document and Field Verification.	Before implementation and after completion, once in month.	Municipality
19			Compliance to water logging and surface runoff	Provision of peripheral drainage system and connection with soak pit	Design Document and Field Verification.	Before implementation and after	Municipality

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
			management	and municipal/natural drainage system		completion, once in month.	
20			Compliance to Occupational Health and Safety	PPEs to Staffs working at laboratory.	Spot observation and photographs	Once in a month	Municipality
21			Compliance to Health Hazards	Provision of M/F toilets with water facility; Separate waste collection bins; Separate waste disposal system; Prohibitory system for locals to enter in laboratory; Construction of Boundary	Design Report and Spot observation and photographs.	Before implementation and once in a month.	Municipality
22			Compliance Health Hazards	Provision of Fire Extinguisher	Spot observation and photographs	Once after the completion of subproject	PMU
23		Construction	Air quality	Dust condition in/around project sites	Site Observation and Photo	Once in a month during construction	PMU
24			Noise quality	Noise Level at subproject site	Measure with sound meter and interview with workers	Once in a month during construction	PMU
25	Impact		Disposal of spoils and construction wastes	Dust and its affect on workers , locals and nearby vegetation	Site observation and interviews, photos	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
26			Soil/Land Pollution	Spillage of fuels/paints/lubricant on construction sites	Spot observation and photographs	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
27			Solid Waste Generation	Type and amount of waste generated	Spot observation and photographs	Regular basis as per schedule of social mobilize but at least once a month during the entire construction period.	PMU
28		Construction	Water Logging	Area submerged in project area	Spot observation and photographs	Once in a month and frequently during rainy season as per need	PMU
29			Land use change	Area converted to built up	Spot observation, measurement and photographs	Once after completion of project	PMU
30			Occupational safety and health	Type and number of accident occurred during construction; Adequacy of occupational safety measures provided; Compensation provided in case of fatal accidents or invalidity	Observations, Photos, spot checks, contractors' and health center records interview with laborers	Once in a month During construction	PMU

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
31			Caste/Ethnicity/Gender Discrimination in Work and Wages, and Work Places	Number of cases of discrimination on work/wages and work places based on Caste/Ethnicity/Gender	Spot checks, cases of complaint recorded at GRM regarding the issues of discrimination based on Caste/Ethnicity/Gender, interview with workers.	Once in a month During construction	PMU
32	Impact	Construction	Social Conflict	Number of cases of conflict in working area,	Complaint recorded at GRM regarding	Once in a month During	PMU
33			Health Hazards	Number of cases of illness of workers due to communicable diseases	Checking of attendance ledger looking reason of absence of workers and interview with workers.	Once in a month During construction	PMU
34			Pressure on local resources and service	Resources availability such as water and food in local area and pressure on service centers such as health post.	Interview with workers and local vendors and service providers.	Once in a month during construction period	PMU
35			Dispute between proponent and locals	Cases of complaint registered in GRM, ward office, police station	Interview with locals and case registered in GRM, ward office and police station.	Once in a month during construction	PMU
36			Injuries to local communities	Cases of accidents/injuries to local community due to proposed sub-project activities	Interview with locals and case registered in GRM, ward office and police station.	Once in a month during construction	PMU

SN	Type	Project Phase	Parameters	Verifiable Indicators	Verification Methods	Schedule	Responsible Monitoring Agency
37	Impact	Operation	Addition of Service Facility	Completion of the sub-project and operation	Completion document and Field validation	Once after the completion of Sub-Project	Municipality
38			Saving of travel time and cost of local people	Full operation of LSC	Interview with locals	Once in a year after completion of Sub-project	Municipality
39	Impact	Operation	Solid waste generation	Type and amount of waste	Spot check, measurement and Photographs	Once in a month after completion of Sub-project	Municipality
40			Effluent Generation	Effluent generation from laboratory work	Spot check and photograph	Once in a month after completion of Sub-project	Municipality
41			Occupational Health and Safety	Health related injuries to workers at Laboratory	No. of accidents of injuries registered and interview with workers	Once in a month after completion of Sub-project	Municipality
42			Health Hazards	Workers and locals suffered from communicable and zoonotic diseases	Interview with workers and locals	Once in a six month after completion of Sub-project	Municipality
43			Caste/Ethnicity/Gender Discrimination at service place	Complaint registered against such activities in the center	Interview with locals and case registered in GRM, ward office and police station.	Once in a every six month during operation phase	Municipality
44			Caste/Ethnicity/Gender Discrimination at work place	Complaint registered against such activities in the center	Interview with staffs and case registered in GRM, ward office and police station.	Once in a year during operation phase	Municipality

4.5 Reporting

The Consulting Services for Design, Estimate, and Supervision of Civil Works—Apex-Inclusive J/V prepares monthly report based on the information provided by the field level staffs and shares it to the PMU. The PMU prepares a trimester reports with photographs depicting the incident based on the monthly reports and shares with the Bank. The project should also prepare a brief sub-project completion report after completing all the activities and shares with the bank.

4.6 Budget

Cost estimates for the proposed mitigation measures and for ensuring compliance, to be included in the budget of the project market.

Table 7: Environment and Social Management Cost

SN	Activities	Amount
1	Labor Camp, Toilet, Store, Waste bins, etc	110,000.00
2	Tree Plantation	2,773.80
3	Insurance	62,034.00
4	PCR Test	17,400.00
5	PPEs (Gloves, Helmets, Mask, Sanitizer, Thermal Gun, Boots, First Aid Box etc.)	35,000.00
6	Information Board	10,000.00
7	Temporary Fencing	112,000.00
8	Biological pit	246,810.25
9	Septic Tank	252,950.36
10	Soak Pit	222,763.49
11	Peripheral Apron drain.	250,993.02
12	Boundary wall	1,634,323.91
13	Fire Extinguisher	16,387.50
	Sub-Total	2,973,436.33
	VAT	386,546.72
	Total	3,359,983.05

Monitoring cost has not been included as NLSIP will bear the monitoring cost during construction while local government bears the monitoring cost during operation phase.

The implementation cost of Environmental and Social Management Plan is **3,359,983.05** (In words: Three Million Three Hundred Fifty Nine Thousand Nine hundred and Eighty Three Rupees and Five Paisa Only) which is 15.40% of total sub-project cost.

4.7 Institutional Arrangement

Different institutions involved in ESMP and roles of these institutions are given in table 8. The environmental management organizational structure is given below in figure 3.

Table 8: Institutions and Their Roles

Institution	Role and Responsibility
Ministry of Agriculture and Livestock	Concerned Ministry and Signatory Partner with World Bank
World Bank	Signatory partner (Fund Provider) and Monitoring and Supervision
National Livestock Sector Innovation Project (NLSIP)	Executive Agency for Project Implementation; Bidding; Monitoring and Supervision
NLSIP PMU (Consulting Services For Design, Estimate, and Supervision of Civil Works—Apex-Inclusive J/V)	Design, Estimate, and Supervision of Civil Works, and Monitoring
LSC, Musikot	Proponent, Responsible for regular monitoring and supervision of civil work at field level.
Contractors	Construction Works

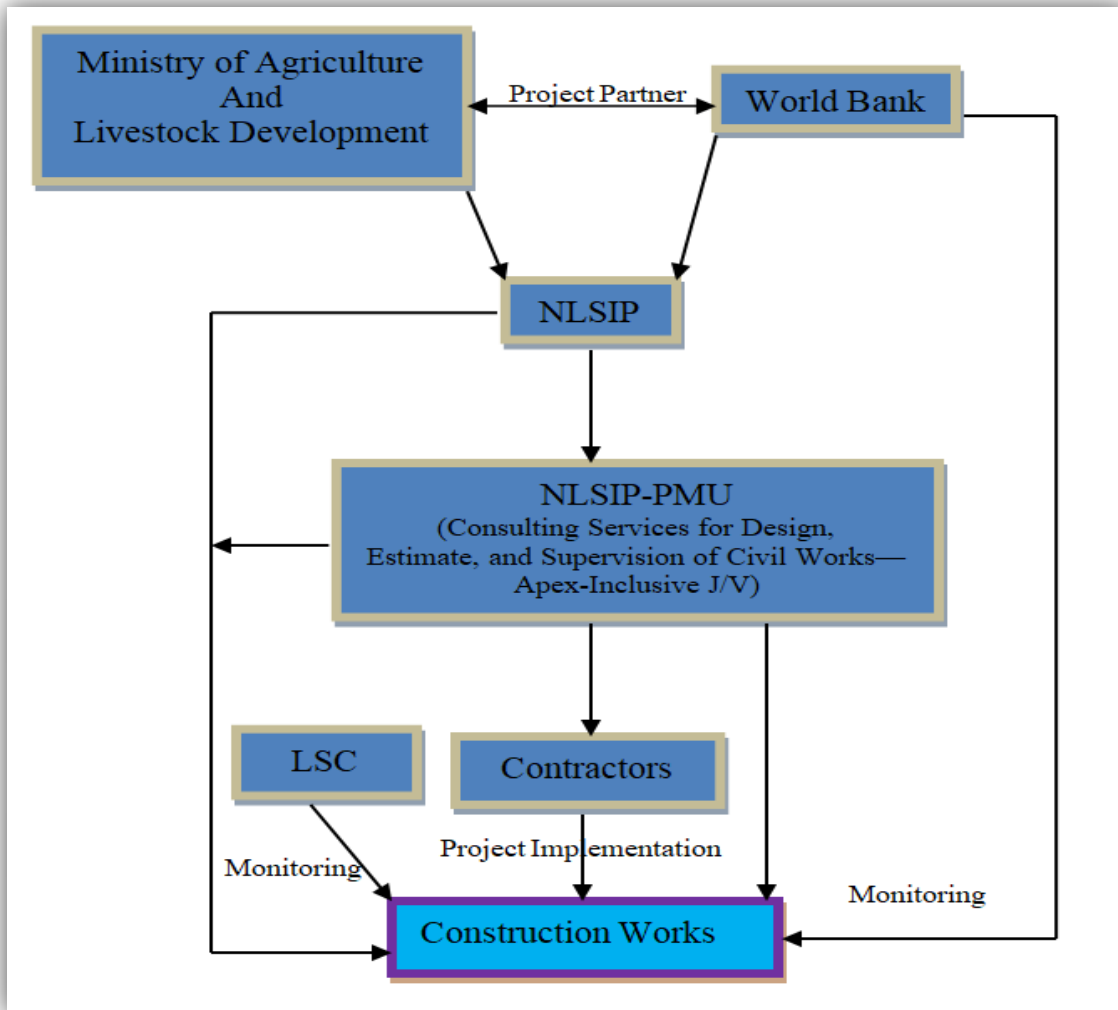


Figure 3: ESMP Organization Structure



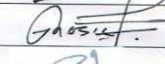



Annexes

Annex I: Meeting Minute

DATE: _____

आज मिति २०७०/०५/३० गतेका दिन मुखिको २ नगरपालिका वातावरण तथा प्राकृतिक स्रोत संरक्षण परिषद्का अध्यक्ष श्री सोमराज राणकोटाको अध्यक्षतामा तपशीलको उपस्थितिमा देहाय बमोजिमको निर्णय गरियो।

तपशील

अध्यक्ष -	श्री सोमराज राणकोटा	
सदस्य -	श्री कमला शर्मा	
सदस्य -	श्री नवराज शर्मा	
सदस्य -	श्री हरि प्रसाद इनेल	
सदस्य -	श्री सत्या कुमारी शर्मा	
सदस्य -	श्री राम व. केहोरा	
सदस्य -	श्री प्रकाश काफ्ले	
सदस्य -	श्री कोपिला घिमिरे	
सदस्य -		
सदस्य -		

प्रस्तावहरू -

१. पशु सेवा कार्यालयको शवत्र विमर्श सम्बन्धमा।
२. सम्बन्ध तथा सहयोगको प्रतिवद्धता सम्बन्धमा।


निर्णय क्र. १

प्रस्ताव क्र. १ माथि हलफत गर्दा मुखिको २ नगरपालिका अन्तर्गत वडा ७ को प्रस्तावित वडा कार्यालय शवत्रको अगमा वत्र लागेको पशु सेवा कार्यालयको अगमा रहेको क्षेत्र वातावरणीय हितवाले कुनै पनि छिरीको नबरात्मक असर पर्ने साथै सोमराज शर्मा लगाएतका क्षेत्रमा देवा पुजाको इको पशु सेवा कार्यालय शवत्र विमर्शको लागि सिफारिस गर्ने निर्णय गरियो।

DATE: _____

विषय सं. २

प्रस्ताव सं. २ माथि हलुल गरि मुसिकोट कार्यालयमा पशु सेवा कार्यालयको जवन त्रिभागी कार्यालयको लागि आवश्यक समन्वय तथा सहयोग गर्ने प्रतिवद्धताको विषयमा गरियो ।



आज मिति २०७७/६ महिना ०९ गते रोज ६ का दिन प्रदेस नंबर ५ अन्तर्गत गुल्मी जिल्ला मुसिकोट नगर पालिका वडा नंबर ७, वामीटक्सारमा नेपाल लाइभस्टक सेक्टर सपोर्ट आयोजना अन्तर्गत निर्माण हुन लागेको नेपाल लाइभस्टक सेक्टर इनोभेसन उप आयोजना सम्बन्धमा प्रमुख अतिथी श्री सोमनाथ सापकोटाज्युको अध्यक्षतामा निम्न सरोकारवालाहरू, व्यक्तिहरू र आयोजनाका पदाधिकारीहरू बीच मिटिंग बसी निम्न अनुसारको निर्णय भयो।

उपस्थिती

क्र. स.	उपस्थित व्यक्तिको नाम, थर	पद	ठेगाना	हस्ताक्षर	कैफियत
१	सोमनाथ सापकोटा	नगर प्रमुख	मुसिकोट न.पा.		
२	नवराज भण्डारी	प्रमुख प्रशासकीय अधिकृत	मुसिकोट न.पा.		
३	प्रकाश काफ्ले	वडा अध्यक्ष	मु.न.पा. ७		
४	राजेन्द्र गौतम	इन्जिनियर	मु.न.पा.		
५	महेन्द्रराज पन्थी	ना.प्रा.स.	मु.न.पा.		
६	अग्निधर लोहनी	समाजसेवी	मु.न.पा. ७		
७	अशोक सापकोटा	समाजसेवी	मु.न.पा. ७		
८	गोविन्द कडेल	स.क.अ.	मु.न.पा. ७		
९	विष्णु सापकोटा	कृषक	मु.न.पा. ७		
१०	लेम बहादुर बोहोरा	समाजसेवी	मु.न.पा. ७		
११	भुवन के.सी.	समाजसेवी	मु.न.पा. ७		
१२	मिना सापकोटा	समाजसेवी	मु.न.पा. ७		
१३	यमभक्त खरेल	समाजसेवी	मु.न.पा. ७		
१४					
१५					

प्रस्ताव नं.	प्रस्ताव
१	उत्पादक उपलब्धता सम्बन्धमा।
२	सामाजिक तथा वित्तीय प्रभाव सम्बन्धमा।
३	प्रतिष्ठाता सम्बन्धमा।

निर्णय नं. १

प्रस्ताव नं. १ माघि हलफल गर्दा नेपाल लाईभस्टक सेक्टर सपोर्ट आयोजना अर्न्तगत मुसिकोट नगरपालिका वडा नं. ७ मा निर्माण हुन लागेको पशुसेवा केन्द्रको लागि मूना-पा वडा नं. ७ को नाममा रहेको जग्गा उपलब्ध गराउनको लागि सर्वसहमतिमा यो निर्णय गरियो।

निर्णय नं. २

प्रस्ताव नं. २ माघि हलफल गर्दा प्रस्तावित पशुसेवा केन्द्रको भवन निर्माण स्थल मुख्य बस्ती र सामुदायिक संरचना छोटो अलग रहेको भवन निर्माणको लागि आंगणिक क्रममा पनि उपयोगी देखिएको साथै खानेपानी, यातयात, सञ्चार, विद्युत, विस्तारका हिसावले पनि सुगम रहेको र भवन निर्माणले कुनैपनि किसिमको सामाजिक जीवन र वातावरणीय हिसावले समेत कुनैपनि किसिमको नकारात्मक प्रभाव नपर्ने भएकाले भवन निर्माण गर्न उपयुक्त भएको सर्वसहमतिमा यो निर्णय गरियो।

निर्णय नं. ३

प्रस्ताव नं. ३ माघि हलफल गर्दा यस मुसिकोट नगरपालिका वडा नं. ७ वामिटेकसम्म निर्माण हुन लागेको पशुसेवा केन्द्रको निर्माणमा समुदाय अतरवृष्ट आवश्यक सहयोग र समन्वय गर्न सर्वसहमतिमा यो निर्णय गरियो।

Annex II: Land Ownership

नेपाल
भूमिसुधार तथा
भूमिसुधार तथा
जग्गाधनी सेवा

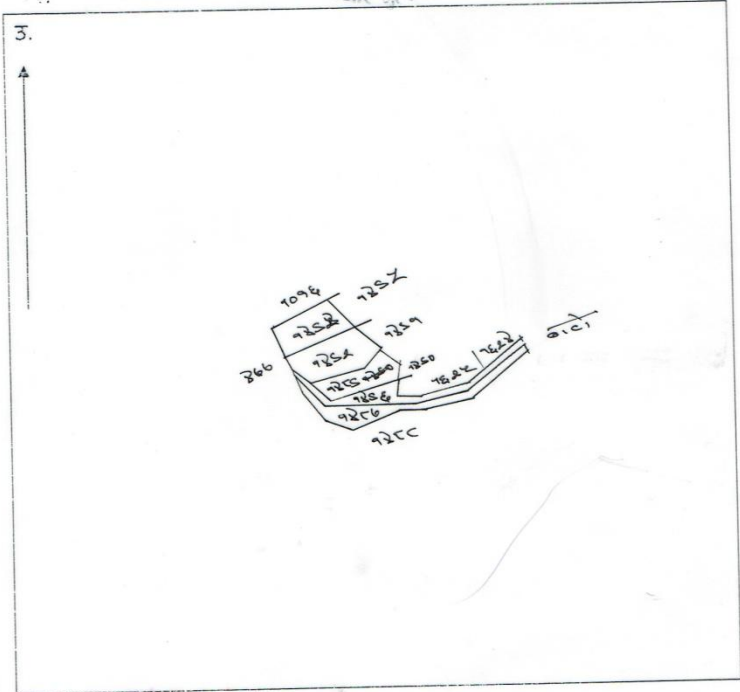
सरकार
व्यवस्था मन्त्रालय
व्यवस्थापन विभाग
प्रसाधनी पूर्जा

जग्गाधनीको नाम
मुसिकोट नं०१/०

प्रमाण संख्या/ प्रतिको अंक	जिल्ला	सम्पत्ताविका मा.वि.सं.	सुटा नम्बर	सिट नं.	किसान को नाम	जग्गाधनीको नाम अथवा सुटा नम्बर	वि.सं. वा सं.	क्षेत्रफल	सुटा नं. वा सं.	सं. नं. वा सं.
११३	जुम्ला	वार्डा	३		१४५६ आचार्य पुरा जो.ला	१४५६	०-१३-०-०	०१३१२	१६/०६/१०	१६/०६/१०
११४	"	"	३		१४८७ " " " "	१४८७	०-१२-०-०		१६/०६/१०	१६/०६/१०
११५	"	"	३		१४५९ " " " "	१४५९	१-०-३-०		१६/०६/१०	१६/०६/१०
११६	"	"	३		१४५४ " " " "	१४५४	०-१३-०-०		१६/०६/१०	१६/०६/१०
११७	"	"	३		१४५८ आचार्य पुरा बरघारी	१४५८	०-१२-१-०		१६/०६/१०	१६/०६/१०
११८	"	"	३		१४३ आचार्य पुरा जो.ला	१४३	२-०-०-०		१६/०६/१०	१६/०६/१०
११९	"	"	३		१४६ " " " "	१४६	३-६-०-०		१६/०६/१०	१६/०६/१०
१२०	"	"	३		१४४ " " " "	१४४	३-१-०-०		१६/०६/१०	१६/०६/१०
१२१	"	"	३		१४३ आचार्य पुरा जो.ला	१४३	३-०-०-०		१६/०६/१०	१६/०६/१०
१२२	"	"	३		१४५ " " " "	१४५	३-६-०-०		१६/०६/१०	१६/०६/१०
१२३	"	"	३		१४४ आचार्य पुरा जो.ला	१४४	३-१-०-०		१६/०६/१०	१६/०६/१०
१२४	"	"	३		१४६ आचार्य पुरा जो.ला	१४६	३-०-०-०		१६/०६/१०	१६/०६/१०
१२५	"	"	३		१४५ आचार्य पुरा जो.ला	१४५	३-१-०-०		१६/०६/१०	१६/०६/१०
१२६	"	"	३		१४६ आचार्य पुरा जो.ला	१४६	३-०-०-०		१६/०६/१०	१६/०६/१०
१२७	"	"	३		१४५ आचार्य पुरा जो.ला	१४५	३-१-०-०		१६/०६/१०	१६/०६/१०
१२८	"	"	३		१४६ आचार्य पुरा जो.ला	१४६	३-०-०-०		१६/०६/१०	१६/०६/१०
१२९	"	"	३		१४५ आचार्य पुरा जो.ला	१४५	३-१-०-०		१६/०६/१०	१६/०६/१०
१३०	"	"	३		१४६ आचार्य पुरा जो.ला	१४६	३-०-०-०		१६/०६/१०	१६/०६/१०

नेपाल सरकार
 भूमि व्यवस्था, शहकारी तथा गरीबी निवारण मन्त्रालय
 नापी विभाग
 नापी कार्यालय मजुदाबजार, गुल्मी
 ईक. टेश

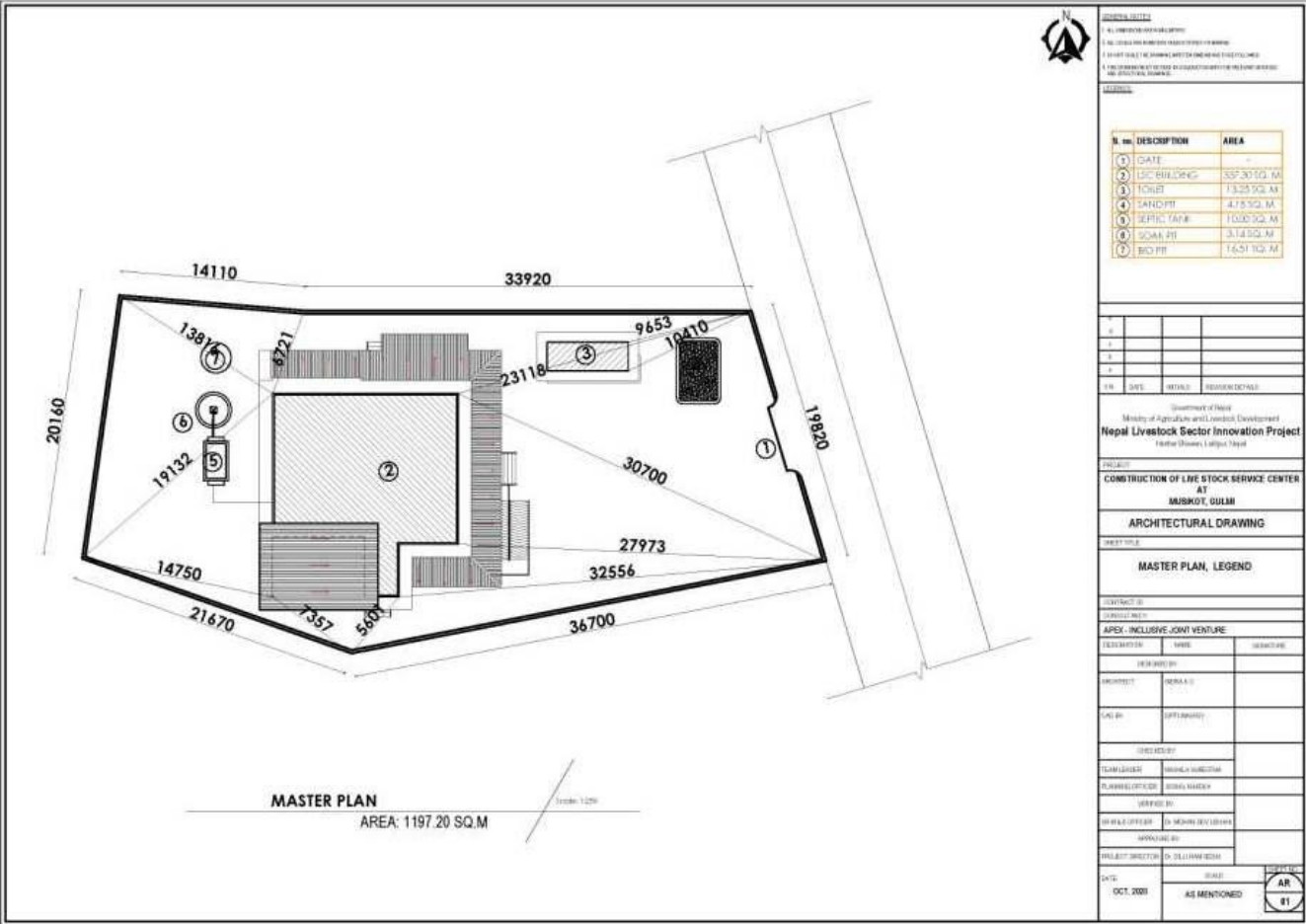
जिल्ला: गुल्मी
 गा.वि.स. : वामा
 वडा नं. : ३
 नक्सा सिट नं. : १५२-१०२४
 मान माप :- १:२५००



श्री मुसिकोट नगरपालिका को व.नं. २७१ मिला २०६६ को पत्र अनुसार र.नं. २६६३ बाट लाग्ने राजस्वलिई कि.नं. १२६४, १२६५, १२६६, १२६७, १२६८ को लागि मात्र पत्रार मरोपण !

दृष्टिकर्ता: राज्य खराल
 देखा गर्ने: राज्य खराल
 प्रमाणित गर्ने: राज्य खराल
 दिनांक: २०७३/०५/१९
 कार्यालय प्रमुख: दिनेश बखुन्द

Annex I: Sketch Plan



Annex IV: Clearance and Permit from Musikot Municipality



“कृषि, पर्यटन, पूर्वाधार र रोजगार समृद्ध मुसिकोट नगरपालिकाको आधार”

मुसिकोट नगरपालिका Musikot Municipality

नगरकार्यपालिकाका कार्यालय Office of the Municipal Executive

वामीटक्सार, कमाटक्सार, गुल्मी Baksar, Gulmi

५ नं. प्रदेश, नेपाल।

Province No-5, Nepal

च.नं./Ref. No. : ४८८

प.सं./Des. No. : २०७७/७८

मिति २०७७/०६/०४

विषय:- Drawing, Design स्वीकृती सम्बन्धमा।

श्री नेपाल लाइभस्टक सेक्टर इनोभेसन आयोजना
हरिहरभवन, ललितपुर।

प्रस्तुत विषयमा यस नगरपालिका वडा नं. ७ वामीटक्सारमा निर्माण हुन लागेको पुश सेवा केन्द्रको लागि तयार गरी पठाइएको Drawing, Design अनुसार नै भवन निर्माण गर्न स्वीकृती दिइएको छ साथै सो सम्बन्धी अन्य कागजातहरू यसै साथ संलग्न गरी पठाइएको व्यहोरा अनुरोध छ।

सोमनाथ सापकोटा

नगर प्रमुख
सोमनाथ सापकोटा

प्रमुख

Annex II: Photographs



Proposed site for Construction of LSC



Proposed site for Construction of LSC