



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

**Environmental and Social Screening Report  
Construction of Livestock Service Center  
Bethanchowk Rural Municipality-2, Kavre**

**November 2020**

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## **1. Introduction**

NLSIP is a flagship Project in Nepal's livestock sector where 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. Thus, NLSIP has proposed the construction of livestock service center in Bethanchowk Rural Municipality-2, Kavre. The proposed site is the center of Rural Municipality having transportation access. The highest proportion i.e. (69.3%) of people is involved in livestock farming.

## **2. Objectives**

Environmental and Social Screening of the proposed sub-project is undertaken in order to justify and suggest the level of environmental and social assessment to be carried out for the sub-project. Environmental Screening is carried out with reference to Schedule 1, 2 and 3 of Environmental Protection Rule (EPR 2020) and guidance provided by ESMF of NLSIP. The objectives of Environmental and Social Screenings are:

- To establish the level of environmental and social assessment required
- To help stakeholders of project make aware about the environmental and social settings of the project area
- To assist in decision making process

## **3. Methodology**

The environmental and social screening checklist has been prepared after desk study, study of sub-project related documents, filing of different parameters and matters outlined in environmental and social screening checklist present in ESMF, consultation with NLSIP consultants and authority.

A walk over survey was conducted on 22<sup>nd</sup> September 2020 for carrying out environmental and social screening of the proposed sub-project. Features at the location were documented, measured and recorded. The environment and social screening checklist was attached (Annex I).

## **4. Existing Environment**

The proposed sub-project lies in the midhills with the latitude and longitude as 27<sup>o</sup>31'26.4"N and 85<sup>o</sup>28'48.0"E within a sub-tropical climatic zone.

The available land for the proposed sub-project is 794.91 m<sup>2</sup> where the sub-project components consist of a main building covering an area of 337.30 m<sup>2</sup>. Besides building, there consists of

public toilet of size having 13.25m<sup>2</sup>, sand pit of size 4.15 m<sup>2</sup>, septic tank of size 10 m<sup>2</sup>, soak pit having size of 3.14 m<sup>2</sup> and bio pit of 16.51 m<sup>2</sup> respectively.

The land belongs to Health Post, Government of Nepal. Executive Body of Rural Municipality based on Local Government Operation Act made the decision that the ownership will remain on Livestock Service Center after its construction. The available land area of Health Post is 763.11 m<sup>2</sup>. Health Post is access by road and has its own surrounding boundary wall. The available land for the proposed sub-project is an open land. There is no any expansion plan of health post or quarantine or isolation center etc. at the available land for the construction of livestock service center. The road access to the Health Post will not be used by the proposed sub-project. The proposed sub-project has the access of road at the south part.

The nearest settlements of the proposed sub-project area at Bethanchowk Rural Municipality-2 are Dhungharka, Thalagaon and Chyamrangbensi. Tamang are major caste throughout the villages except in Ward No. 2 where Brahmins and Chhetries have the highest proportion. Field survey (2020) showed that the Others (Brahmin, Chhetri etc.) has the highest proportion i.e. 66.6% followed by Adivasi/Janajati (Tamang, Newar, Magar etc.) is 32.1% and Dalit (Kami, Damai, Sarki etc.) as 1.3%.



**Figure 1: Google Map of Sub-project Site**

There is no any forest near the sub-project area. The proposed sub-project site is located at 6m corridor road at the south part while at the north side there is a Health Post, at east there is a

cultivated land (Non-irrigated land) and west there is a cultivated land (Non-irrigated land) with a road of 11ft access to Health Post. A perennial river named Ladku Khola is at a distance of 25m from the site. There is no history of flash flood as informed by the locals. There is no flooding and water logging issues in the proposed site. The proposed site is not at a sloppy land which does not trigger any chances of land instability.

The area is well facilitated with road, electricity and water supply. Currently, the biodegradable waste is composted while the effluent was managed through soak pit. There is no drainage facility at the proposed site so peripheral drain will be constructed around the structure of sub-project and discharge to soak pit. Moreover, the barren land near the site will aid natural infiltration that avails to manage the rain water and overland surface flow.

## **5. Findings**

1. The proposed site does not fall within any kind of protected area system, historical and cultural sites or any critical aquatic and terrestrial habitats area.
2. The proposed sub-project does not lie in environmentally sensitive or high risk zone.
3. The land belongs to Health Post, Government of Nepal and does not have any land dispute.
4. The available land for the proposed sub-project is 794.91 m<sup>2</sup> (0.0794 ha) where the sub-project components consist of a main building covering an area of 337.30 m<sup>2</sup>. The available land is enough for the required facilities of the livestock service center so no any land acquisition is required.
5. The land was free from encroachers/squatters and used solely for use of livestock service center.
6. The proposed sub-project does not impact to indigenous communities, women, marginalized and vulnerable groups.
7. The proposed sub-project does not displace anybody.
8. The area is facilitated with basic facilities like road, electricity and water supply.
9. No cases of relocation/rehabilitation of community infrastructure are needed.

## **6. Conclusion and Recommendations**

The construction/operation of sub-project has no adverse environmental and social impacts and also does not attract any clauses of Environmental Act (2019) and Rule (2020) for further environmental assessment and study. However, some preventive measures through Site-specific Environmental and Social Management Plan (ESMP) will address nominal environmental and social impacts induced during construction and operation.

Thus, ESMP has been suggested for the proposed sub-project and further study is not required. Based on the findings of the Environmental and Social Screening, the sub-project is found to be environmentally and socially feasible for implementation.

## Annex- I: Environmental and Social Screening Checklist

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

### Environment and Social Screening Checklist

Date: 4<sup>th</sup> August 2020 (2077/4/20)

1	Name of the Sub-project	Construction of Livestock Service Center	
2	Sub-project Location	Bethanchowk Rural Municipality, Ward no. 2, Kavrepalanchowk District, Bagmati Province	
3	Coordinate	27 <sup>o</sup> 31'26.4"N and 85 <sup>o</sup> 28'48.0"E	
4	Access to the Sub-project Area	The sub-project site is about 100m south form Dhungkharka Bus Park where Dhungkharka Bus Park is at the distance of about 7.07 km south from Khopasi Bus Park. The site is accessed by local bus, jeep and motorbike.	
5	Benefitted Settlements (Name)	Dhungkharka, Thalagaon, Chyamrangbensi	
6	Nearby markets (name with distance and direction)	Dhungkhark itself is a small market for consumable goods. Banepa is about 25 km north from this Rural Municipality.	
7	Land users / Ownership	Health Post, Government of Nepal. The available land for the proposed sub-project is 794.91 m <sup>2</sup> (0.0794 ha) where the sub-project components consist of a main building covering an area of 337.30 m <sup>2</sup> .	
S.N.	Questions	Response (Yes/No)	Remarks
1	Is the proposed sub-project lie within Protected Areas (PA)?	No	
2	Does the proposed sub-project intend to use or depend on any resources of national parks and protected areas or any critical aquatic and terrestrial habitat area?	No	
3	Mention the name and distance of nearest PA	No	
4	Are there any Forests nearby the location? If any, Mention the distance, name and direction.	No	
5	Will the proposed sub-project endanger indigenous plant / animal species of ecological significance? If yes mention them.	No	

6	Is the sub-project falls in any high risk zone (Landslides / Erosion Prone/Frazil areas/steep slope/highly degraded land/flooding/Water logging/river cutting)?	No	
7	Will the proposed sub-project involve land clearance on very steep slopes?	No	
8	a. Mention the name and distance of nearest Water Sources/ Water bodies (pond, lakes, streams, rivers, springs etc.)?	Yes	Ladku Khola is at a distance of 25m south from the site.
	b. Will the proposed sub-project intend to use or depend on them for the implementation?	No	
9	a. Are there any Historical /Religious/Cultural/ Archeological Sites (such as temple, mosque, Church, palaces/ Grave yard etc.) within 500m from the Location?	No	
	b. Do the construction/Operation of sub-project impact on them?	No	
10	Is there any source of Air, Water, Soil and Noise pollution in and around the area?	No	
11	Is the sub-project accessed by road facility?	Yes	The proposed site is located at 6m corridor road at south.
12	Is the sub-project location facilitated with electricity supply?	Yes	There is a national grid line for electricity supply.
13	What is the availability of water source/supply in the proposed area at present?	Yes	There is a provision of Rural Municipal Water Supply (Tap Water).
14	Is there any municipal drainage system, natural drainage or road side drain at the location? If yes how far?	No	
15	Is the available land enough for the implementation of sub-project? If Yes, how? Specify	Yes	The total available land is 794.91 m <sup>2</sup> (0.0794 ha) and enough for the required facilities of the livestock service center.
16	Are there any Community Infrastructure (Irrigation canal, water supply pipeline, foot trails, trails bridges, electricity poles, telephone poles, Chautara etc.) to be rehabilitated/relocated in the location?	No	
17	Are there any Open Public Spaces/property within the sub-project area that might be affected/encroached during construction and operation?	No	
18	Does the sub-project require land acquisition?	No	
19	Does the land acquisition cause displacement of households?		
20	Does the implementation of sub-project lose	No	

	livelihood of any families?		
21	Do indigenous people (Adivasi/Janajati) reside in the sub-project area/location?	Yes	The sub-project area has the Tamang communities. The proportion of the Adivasi/Janajati is 32.1%
22	Will the sub-project involve activities that are likely to make irreversible adverse impact on indigenous communities, women and vulnerable groups?	No	
23	Will the proposed sub-project benefit Indigenous People (Adivasi/Janajati) living in the surrounding of the sub-project?	Yes	The Adivasi/Janajati community will be benefitted by service provided by the service centre. The proposed LSC will provide basic facilities like test of dung, urine, milk and blood as well as diagnosis of livestock disease.

**Name of Surveyors**

- Tshering Dolma Lama (ES)
- Basudev Baskota (SS)
- Er. Benish Maharjan



Annex II: Land Ownership

**पुरानो खिची नयां ]**

मि.नं १३९ १९९४को सुदूर टिप्पणी र आदेश बमोजिम उपस्वास्थ्य चौकी दुबर्क लाई शंसोधन गरि दुबर्क स्वास्थ्य चौकी कक्षाभरि पुरानो खिची नया दिइएको छ।

११/११/९४

नेपाल सरकार  
भूमिसुधार तथा व्यवस्थापन कार्यालय  
भूमिसुधार तथा व्यवस्थापन विभाग  
सालपोत कार्यालय  
धुलिखेल काभ्रेपलान्चोक  
**जग्गाधनी दर्ता प्रमाण पत्र**

जग्गाधनीको नाम :- दुबर्क स्वास्थ्य चौकी  
ठेगाना :- जिल्ला:- काभ्रेपलान्चोक गा.वि.स./न.पा.:- दुबर्क वडा नं.:- ८ (अ/ब)  
नागरीकता/वर्ता नं. :- १  
कार्यालय :- नेपाल सरकार, काभ्रेपलान्चोक

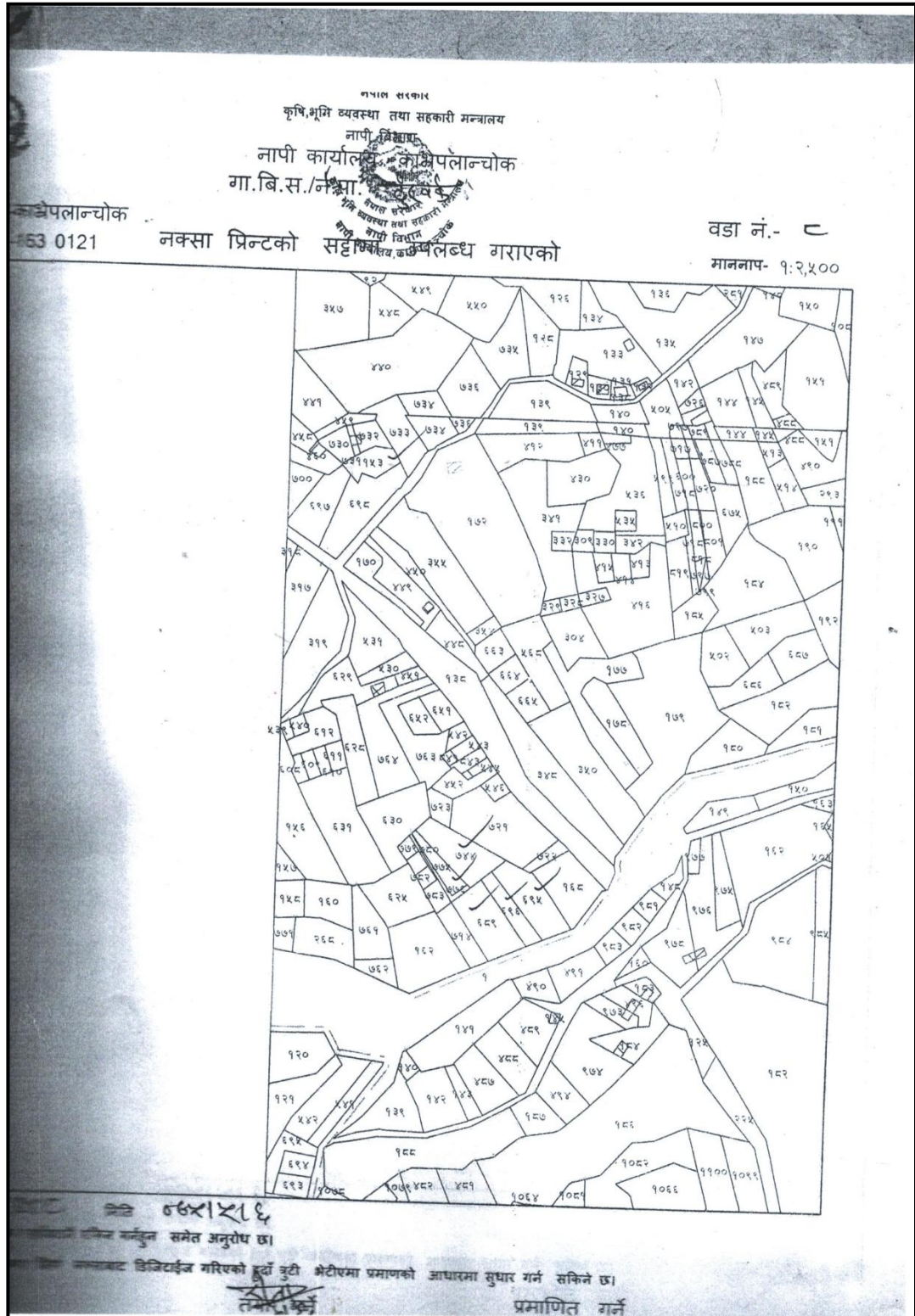
जम्मा क्षेत्रफल (व.मी.) १,१९६.११

फोटो प्रमाणित गर्नेको दस्तखत

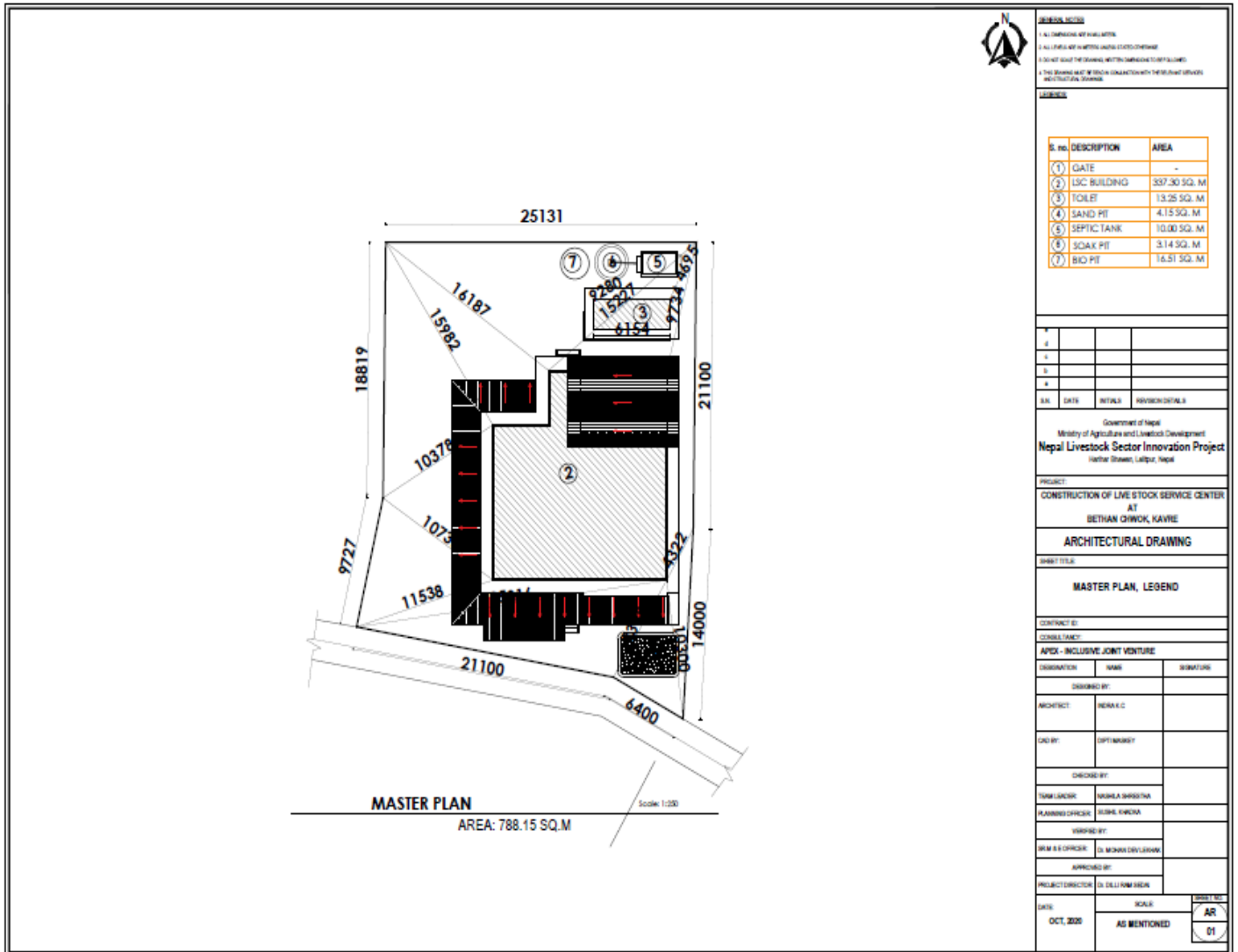
जग्गाधनीको दस्तखत

सा.कि.नं.	कारोबार ट्यहोरा	गा.वि.स./न.पा.	वडा नं./नक्सा सिट	कित्ता नं.	विवरण (घर, आवादी, इत्याद)	ज.ध.को हकहिससा	मोहीको नाम धर	विराम वा वर्ग	क्षेत्रफल रोपनी/व.मी	मोठ/पाना नं.	कैफियत विवरण	प्रमाणित गर्नेको दस्तखत
१५३	१२२९४ २०३०/०६/१४	दुबर्क	८	१५३	आवादी	पुरा	जोताहा खाली	वारी	०-११-०-३	२४		
	राजिनामा	दुबर्क	८	७४४	रेकर निजि	पुरा	जोताहा खाली	वारी	३५५.७२	४५		
	राजिनामा	दुबर्क	८	६९५	अन्य	पू. कोठा	जोताहा खाली	वारी	१-८-०-०	२४		
६९५	१२२२४ २०३०/०६/१४	दुबर्क	८	६९५	आवादी	पुरा	जोताहा खाली	चाहार	७६३.११	४५		
	राजिनामा	दुबर्क	८	७३५	रेकर निजि	पुरा	जोताहा खाली	वारी	१-९-०-०	२४		
	राजिनामा	दुबर्क	८	७३५	वगर	पू. कोठा	जोताहा खाली	चाहार	७९४.९१	४५		
७४५	१२२१४ २०३०/०६/१४	दुबर्क	८	७३५	रेकर निजि	पुरा	जोताहा खाली	चाहार	०-८-०-०	२४		
	राजिनामा	दुबर्क	८		रेकर निजि	पुरा	जोताहा खाली	चाहार	२५४.३७	४५		


### Annex III: Trace Map



# Annex IV: Site Plan




Annex V: Consent Letter from Health Post

  
पत्र संख्या : ०७७/७८  
चलानी नं. २३

**बेथानचोक गाउँपालिका**  
गाउँ कार्यपालिकाको कार्यालय  
दुखर्क स्वास्थ्य चौकी  
बेथानचोक-२, काभ्रेपलान्चोक  
बागमती प्रदेश, नेपाल

२०७७/०८/१४




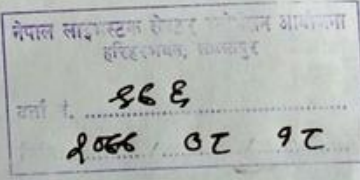
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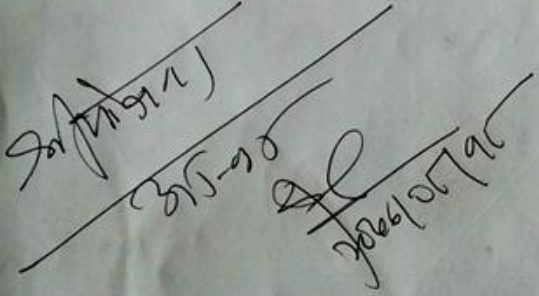
श्री नेपाल लाइभस्टक सेक्टर इनोभेसन आयोजना  
हरिहरभवन पुल्चोक, ललितपुर

पस्तुत विषयमा यम कार्यालयको नाम मा रहेको कि.नं. ९६५को जग्गा मध्येबाट यम बेथानचोक गाउँपालिका ले प्रस्ताव गरेको र नेपाल लाइभस्टक सेक्टर इनोभेसन आयोजना अन्तर्गत निर्माण गरिने पशु सेवा केन्द्र भवन को लागि आवश्यक पर्ने ७९४.९१ वर्ग मिटर (१ रोपनी ०९ आना) जग्गा उपलब्ध गराउन यम कार्यालय को सहमति छ। यम सहमति विरुद्ध यम कार्यालय बाट भविष्यमा कुनै किसिमको बाधा विरोध गरिने छैन भनि प्रतिबद्धता जाहेर गरिएको व्यहोरा अवगत गर्नु हुन अनुरोध गरिन्छ।

बोधार्थ  
श्री बेथानचोक गाउँपालिका  
दुखर्क, काभ्रेपलान्चोक

  
दुर्गा प्रसाद पोखरेल  
सि.अ.हे.व. अधिकृत टोटा  
स्वास्थ्य संस्था प्रमुख

  
नेपाल लाइभस्टक सेक्टर इनोभेसन आयोजना  
हरिहरभवन, ललितपुर  
वर्ता नं. ४६६  
१०७७ / ०८ / १८



**Annex VI: Commitment Minute of the Executive Body of Bethanchowk Rural Municipality**

आ.व. २०७७/७८ सालको  
कार्यपालिका बैठक नं. ०२  
समय : बिहान ८:०० बजे ।

आज मिति २०७७ आश्विन २१ गते बेथानचोक गाउँपालिकाका अध्यक्ष श्री प्रेम बहादुर तिमल्सिनाको अध्यक्षतामा देहाय बमोजिमको सदस्यहरूको उपस्थितिमा गाउँकार्यपालिकाको बैठक बसी देहाय बमोजिमको निर्णयहरू गरियो ।

**उपस्थिति:**

१.	प्रेमबहादुर तिमल्सिना	गा.पा. अध्यक्ष	..... <i>[Signature]</i>
२.	सरिता लामिछाने	गा.पा. उपाध्यक्ष	..... <i>[Signature]</i>
३.	सोमनाथ घिमिरे	वडा अध्यक्ष	..... <i>[Signature]</i>
४.	भगवान घिमिरे	वडा अध्यक्ष	..... <i>[Signature]</i>
५.	दिलबहादुर श्रेष्ठ	वडा अध्यक्ष	..... <i>[Signature]</i>
६.	लालबहादुर श्रेष्ठ	वडा अध्यक्ष	..... <i>[Signature]</i>
७.	खजेन्चीबहादुर लामा	वडा अध्यक्ष	..... <i>[Signature]</i>
८.	विष्णु तामाङ	वडा अध्यक्ष	..... <i>[Signature]</i>
९.	चन्द्रमाया वि.क.	का.पा. सदस्य	.....
१०.	सञ्चमाया तामाङ	का.पा. सदस्य	.....
११.	ज्ञानबहादुर वि.क.	का.पा. सदस्य	..... <i>[Signature]</i>
१२.	भगवती देवी तिमल्सिना	का.पा. सदस्य	..... <i>[Signature]</i>
१३.	दिलकुमारी तामाङ	का.पा. सदस्य	.....
१४.	ध्रुव नगर्ची	का.पा. सदस्य	..... <i>[Signature]</i>
१५.	कृष्णप्रसाद सापकोटा, प्र.प्र.अ., सचिव		..... <i>[Signature]</i>

**प्रस्तावहरू:** विविध


*[Signature]*  
 २०७७/११/२१  
 कृष्ण प्रसाद सापकोटा  
 प्र.प्र.अ. अधिकृत

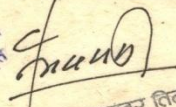
*[Signature]*  
 प्रेम बहादुर तिमल्सिना  
 अध्यक्ष

निर्णय  
रख्ने

कर्म भएको छ

३. नेपाल लाइभस्टक सेक्टर सपोर्ट आयोजना अन्तर्गत निर्माण हुने पशु सेवा केन्द्र भवनका लागि जग्गा व्यवस्थापनको सम्बन्धमा ढुङ्खर्क स्वास्थ्यचौकीको नाममा रहेको साविक ढुङ्खर्क गा.वि.स. ८, कि.नं. ६९५, क्षेत्रफल १ रोपनी ९ आना जग्गा उक्त भवन निर्माणका लागि स्वीकृति दिने निर्णय गरियो । प्रचलित कानूनले सरकारी तथा सार्वजनिक जग्गाको रेखदेख, संरक्षण तथा व्यवस्थापन गर्ने जिम्मेवारी स्थानीय तहको भएको तथा स्थानीय सरकार सञ्चालन ऐनको दफा ११,ण,४ ले तोकेको जिम्मेवारी पुरा गर्नुपर्ने भएकोले भवन निर्माण पश्चात सोको स्वामित्व पशु सेवा केन्द्रमा रहने समेत सर्वसम्मत निर्णय गरियो ।

  
कृष्ण प्रसाद सापकोटा  
प्रमुख प्रशासकीय अधिकृत

  
प्रेम बहादुर तिमल्सेना  
अध्यक्ष

**Annex VII: Photographs (Proposed Site)**

