



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
Chandragiri Municipality-12, Kathmandu

November 2020

Content

| | |
|---|----|
| 1. Introduction | 1 |
| 2. Objectives | 1 |
| 3. Methodology | 1 |
| 4. Existing Environment | 1 |
| 5. Findings | 3 |
| 6. Conclusion and Recommendations | 3 |
| Annex- I: Environmental Screening Checklist | 4 |
| Annex II: Four Boundary Wall Certified Document | 7 |
| Annex III: Trace Map..... | 8 |
| Annex IV: Site Plan | 9 |
| Annex V: Photographs | 10 |
| Annex VI: Photographs (Proposed Site) | 11 |

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 Chandragiri Municipality-12, Kathmandu.

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 21st 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^o41'29"N and 85^o14'39"E within a sub-tropical climatic zone.

The available land for the proposed sub-project is 332.28m² where the sub-project components consist of a main building covering an area of 118.40 m². Besides building, there consists of public toilet of size having 11.21m², septic tank of size 10 m², soak pit having size of 3.14 m² and bio pit of 6.38m² respectively.

The land belongs to Chandragiri Municipality, Government of Nepal. The proposed site has an existing LSC office building and toilet. The office building is old and dilapidated as well as toilet. So, an office building and toilet will be demolished and construction will be carried. The demolition of office building does not hamper in the continuation of official work. The office will be rented at the nearby building through where service will be accessed.

The nearest settlements of the proposed sub-project area at Chandragiri Municipality-12 are Balambu, Naikap Purano Bhanjyang. Field survey (2020) showed that the Adivasi/Janajati (Newar, Magar, Tamang etc.) has the highest proportion i.e. 59.8% followed by Others (Brahmin, Chhetri etc.) is 37.6% and Dalit (Kami, Damai, Sarki etc.) as 2.5%.

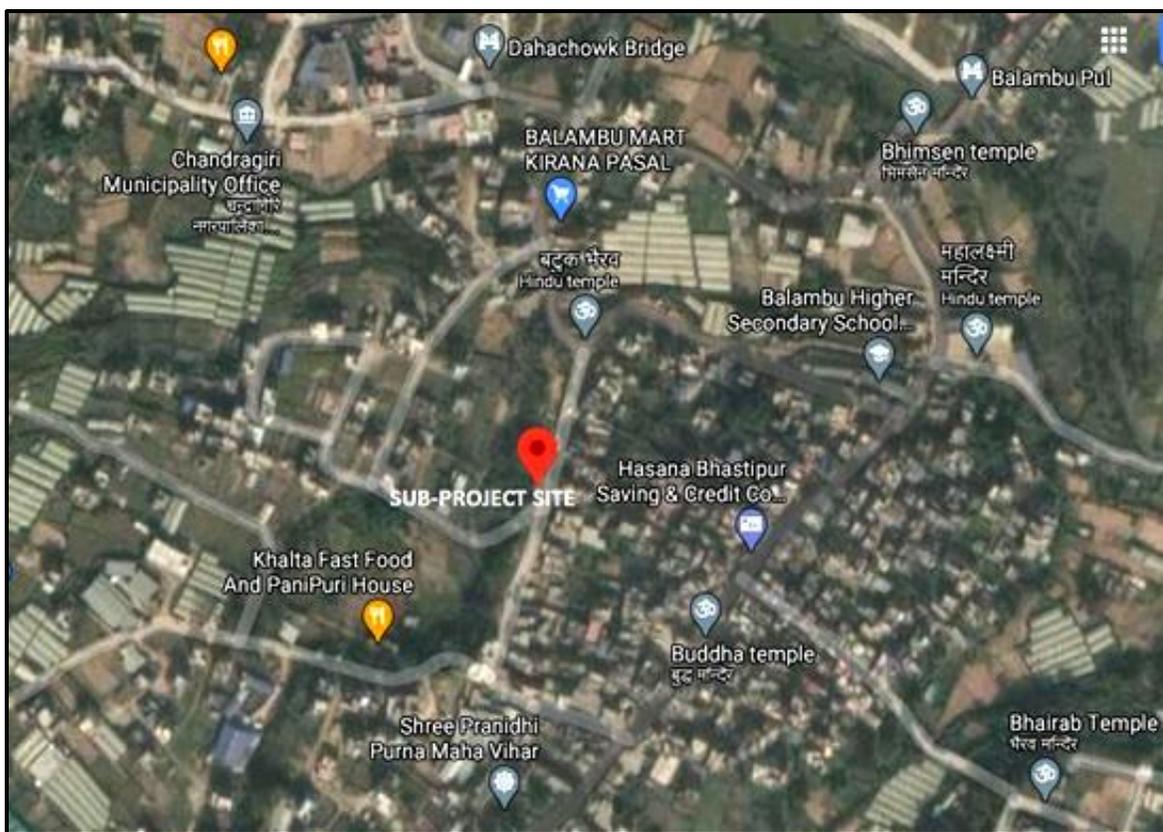


Figure 1: Google Map of Sub-project Site

There is no any forest near the sub-project area. Tree species named Bakaino, Tanki and Avacado lies at the side of a proposed site. The standing tree within the site is preserved. No any trees will be felled down during construction. A seasonal Balambu Kholso is at a distance of 20m 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 area is not at a sloppy land. There is a very gentle slope which does not trigger any chances of land instability.

The proposed sub-project site is located at 20ft. of constructing motorable road. The area is well facilitated with road, electricity, water supply and municipal drain. Currently, the biodegradable waste is composted at the open backyard of existing office building and non-biodegradable waste are collected and sold to the scrap collectors while the effluent was managed through municipal drain. Moreover, the natural drainage 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 Chandragiri Municipality, Government of Nepal and does not have any land dispute.
4. The available land for the proposed sub-project is 332.28 m² where the sub-project components consist of a main building covering an area of 118.40 m². 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, water supply and municipal drainage.
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 and corrective 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 Screening Checklist

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

Environment and Social Screening Checklist

Date: 21st September 2020 (2077/6/5)

| 1 | Name of the Sub-project | Construction of Livestock Service Center | |
|------|--|---|---------|
| 2 | Sub-project Location | Chandragiri Municipality, Ward no. 12, Kathmandu District, Bagmati Province | |
| 3 | Coordinate | 27 ^o 41'29"N and 85 ^o 14'39"E | |
| 4 | Access to the Sub-project Area | The sub-project site is about 400m north from Ganesh Mandir where Ganesh Mandir is at a distance of about 3.94km west from Kalanki Chowk. The sub-project site is easily accessed by bus, micro-bus or by private vehicles. | |
| 5 | Benefitted Settlements (Name) | Balambu, Naikap Purano Bhanjyang, Dahachok | |
| 6 | Nearby markets (name with distance and direction) | Balambu, Kalanki, Tinthana and Satungal are the local markets of the site whereas Kathmandu is the main market center. | |
| 7 | Land users / Ownership | Chandragiri Municipality, Government of Nepal. The available land for the proposed sub-project is 332.28 m ² where the sub-project components consist of a main building covering an area of 118.40 m ² . | |
| 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 | No | |

| | | | |
|----|---|-----|--|
| | (Landslides / Erosion Prone/Frazil areas/steep slope/highly degraded land/flooding/Water logging/river cutting)? | | |
| 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 | Balambu Kholso is at a distance of 20m 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 sub-project site is located at 20ft. of constructing motorable road. |
| 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 Municipal Water Supply. |
| 14 | Is there any municipal drainage system, natural drainage or road side drain at the location? If yes how far? | Yes | Natural drainage is at a distance of 20m from the site. |
| 15 | Is the available land enough for the implementation of sub-project? If Yes, how? Specify | Yes | The total available land is 332.28 m ² (0.0332ha) 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 livelihood of any families? | No | |

| | | | |
|----|---|-----|--|
| 21 | Do indigenous people (Adivasi/Janajati) reside in the sub-project area/location? | Yes | The sub-project area has the Newar communities. |
| 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. |

Name of Surveyors

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

Annex II: Four Boundary Wall Certified Document



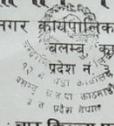
चन्द्रागिरि नगरपालिका

वडागावि नगव्याविका

नगर कार्यपालिकाको कार्यालय

प.सं.:- २०६३/०६०

च.नं.:- १०१४



बलम्बु काठमाडौं
प्रदेश नं. १
नेपाल

मिति २०६३/१०/२१

विषय : चार किल्ला प्रमाणित गरेको बारे ।

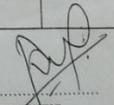
श्री चन्द्रागिरि नगरपालिका
बलम्बु काठमाडौं

उपरोक्त सम्बन्धमा, काठमाडौं जिल्ला चन्द्रागिरि न.पा./गा.वि.स. १२
नं. वडा बस्ने श्री पद्म खेपा शारदा ले मेरो/हाम्रो नाममा रहेको जग्गाधनी
प्रमाणपुर्जा भएको काठमाडौं जिल्ला चन्द्रागिरि नगरपालिका वडा नं. १२ साविक ७/१५ गा.वि.स.
२/१९ नं. वडा १३१ कि.नं क्षेत्रफल ०-१२-०-०

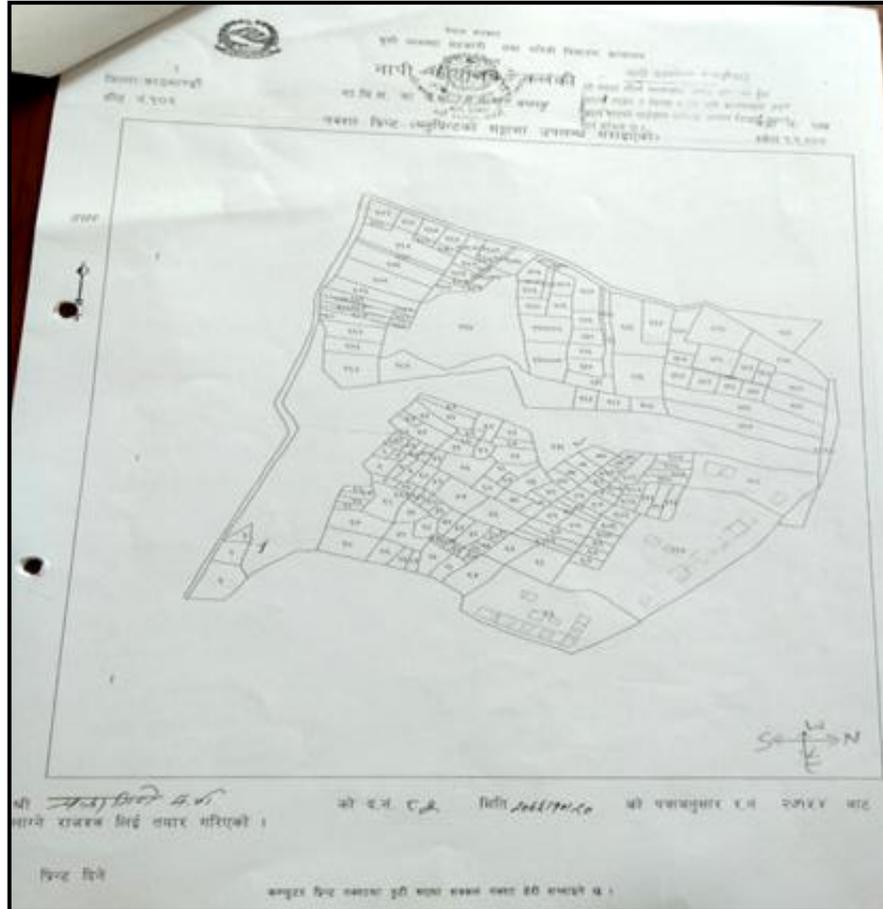
जग्गाको चार किल्ला प्रमाणित गरी पाउँ भनि दिनु भएको निवेदन व्यहोरा अनुसार उल्लेखित जग्गाको चार किल्ला
तपसिल बमोजिम प्रमाणित गरि पठाइएको व्यहोरा अनुरोध गरिन्छ ।

चार किल्ला विवरण

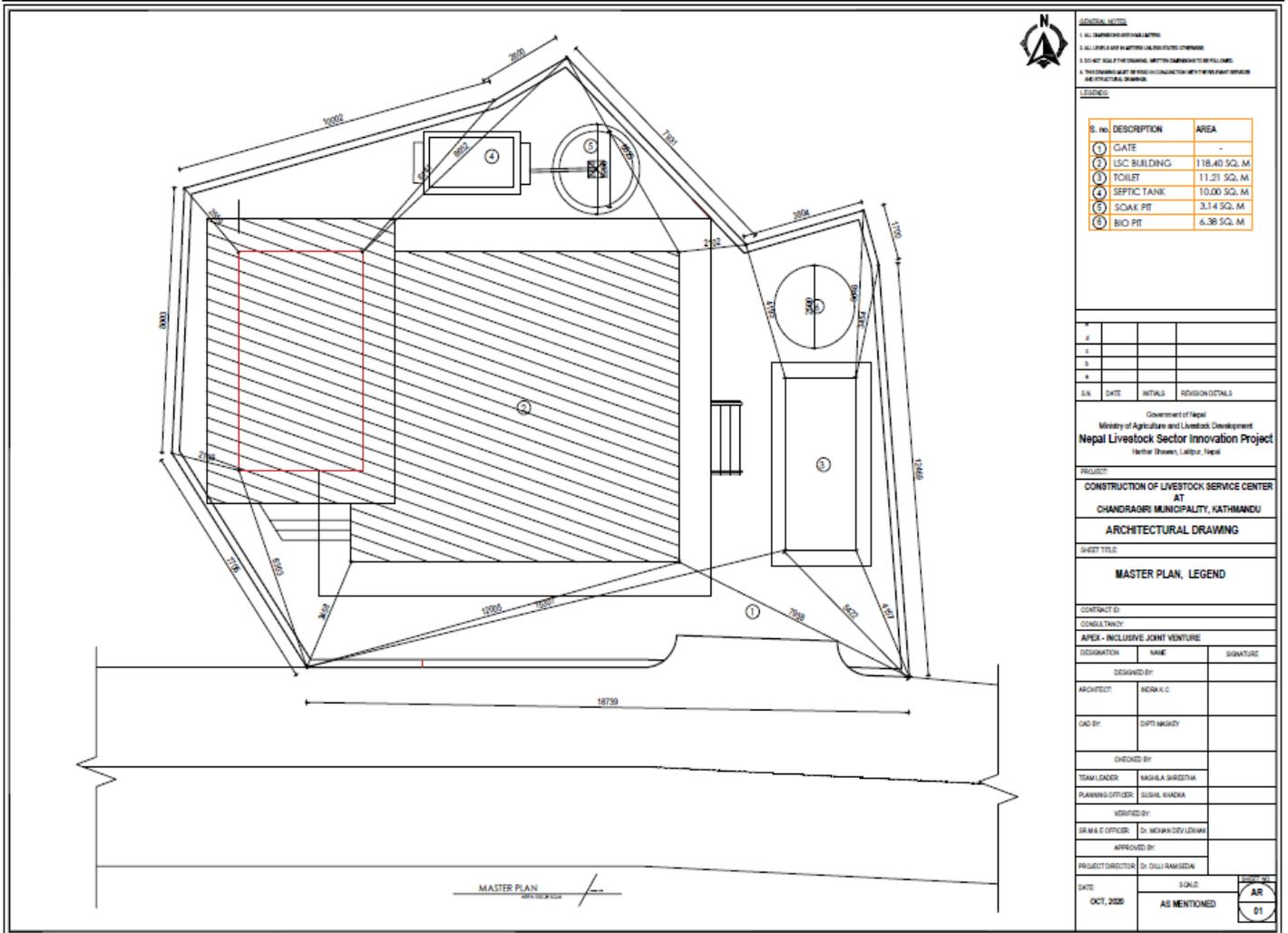
| जग्गाको विवरण | | | | | चार किल्ला विवरण | | | |
|---------------|-----------------|----------------------------|------------|-----------------|--------------------|---------------------------|---|---------------|
| सि.नं | न.पा.को वडा नं. | साविक गा.वि.स./वडा नं. | कि.नं. | क्षेत्रफल | पूर्व कि.नं. | पश्चिम कि.नं. | उत्तर कि.नं. | दक्षिण कि.नं. |
| १ | १२ | <u>७/१५</u> <u>२/१९</u> | <u>१३१</u> | <u>०-१२-०-०</u> | <u>वडा रि-माना</u> | <u>१३५२</u> <u>१०४</u> | <u>१८.१६</u> <u>१३.१६</u> <u>१५.१३</u> <u>१२.५.५</u> <u>३.५०</u> <u>५</u> <u>२१</u> | <u>१८</u> |



Annex III: Trace Map



Annex IV: Site Plan



Annex V: Photographs



Existing Office Building to be Demolished



Existing Toilet to be Demolished

Annex VI: Photographs (Proposed Site)

