



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

**Environmental and Social Screening Report**  
**Construction of Bull Shed, NLBO, Pokhara**

**October 2020**

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## **1. Introduction**

One of the Project Development Objective of the NLSIP is to enhance milk productivity. Thus, NLSIP has proposed to support The National Livestock Breeding Office, Pokhara by constructing one additional bull shed for 8 bulls. The proposed construction work will be done within the premises of The National Livestock Breeding Office (NLBO), Pokhara.

The NLBO Pokhara established way back in 1958 is a government owned entity spread over an area of 100 ha. It is located in ward number 14 of Pokhara Metropolitan City. The NLBO has buffalo (more than 400 heads), sheep (150 heads), pigs (160 heads), goats (205) and bulls for semen production (25 heads). In addition, there is model dairy established with FAO assistance and a feed plant.

There are more than 50 buildings (office and residential) and 30 sheds for buffalo, sheep, goat, pig, poultry and cattle constructed over last six decades. The NLBO has been serving as a major resource center for livestock and forage genetic materials in the country and is responsible for national livestock breeding program.

## **2. Objectives**

Environmental Screening (ES) of the proposed subproject is undertaken in order to justify and suggest the level of environmental Assessment to be carried out for the project. This ES is carried out with reference to Schedule 1, 2 and 3 of Environmental Protection Regulation (EPR 2020) and guidance provided by ESMF of NLSIP. The objectives of Environmental Screenings are:

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

## **3. Methodology**

This environmental screening has been prepared after desk study, study of project related documents, walkthrough survey at the sub-project area, filling of different parameters and matters outlined in environmental and social screening checklist present in ESMF, consultation with key stakeholders and discussion among NLSIP Consultants and authority.

A walk over survey was conducted on 23<sup>rd</sup> September 2020 for carrying out environmental screening of the proposed subproject. Features at the location were documented, measured and recorded. Informal consultations were held with and among locals, teachers, and local leaders to identify potential impacts due to sub-project activities.

#### **4. Existing Environment**

The subproject site lies in ward number 14 of Pokhara Municipality within the premise of NLBO Pokhara with more than 100 ha of land. The human settlements are far from the subproject area. The NLBO has fodder plantation area, sheds for livestock, office building and residential buildings.

The subproject site is with flat terrain. It has humid sub-tropical climate. There is no forest area nearby the subproject site. There is Bijaypur River in south-east direction (about 3.5 Km away) and Seti River in southwest direction (about 1 Km away) from sub- project implementation area. There is no flooding and water logging issues in the proposed subproject area. There are no any cultural and religious sites nearby the subproject sites. The implementation of subproject does not require relocation or rehabilitation of community infrastructures or households of indigenous people.

The area is well facilitated with water supply, road access and electricity. The area is out reach of flooding and water logging. Natural drainage is avail to manage the rain water and overland surface flow. Dung has been managed through biogas generation, and composting. Effluent especially urine has been used as manure. There is no need of additional facility for waste and effluent management.

#### **5. Findings of Screening**

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 NLBO Pokhara and does not have any land dispute.
4. The proposed sub-project does not impact to indigenous communities, women and vulnerable groups.
5. The proposed sub-project does not displace anybody.
6. The area is facilitated with basic facilities like access road, water supply, electricity
7. No cases of relocation / rehabilitation of community infrastructure is needed

#### **6. Conclusions and Recommendations**

The construction/operation of sub-project has no adverse environmental and social impacts and also does not attract any clauses of environmental acts and rules for further environmental assessment and study. However, some preventive and corrective measures such as occupational health and safety during construction and operation, waste management, drainage management, issue of child labour during construction phase etc. through Site-specific Environmental and Social Management Plan (ESMP) will address minor 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 Environment and Social Screening, the sub-project is found to be environmentally and socially feasible for implementation.

**Annex- I: Environmental Screening Checklist**

SITE - BULL SHED CONSTRUCTION, NLBO, POKHARA

**E&S Screening Checklist**

S.N.	Questions	Response (Yes/No)	Remarks
<b>A</b>	<b>Environmental Screening</b>		
1	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?	N	
2	Will the proposed sub-project be implemented in areas surrounding national parks or protected areas?	N	
3	Will the proposed sub-project be implemented in areas surrounding forest or wildlife areas other than national parks and protected areas?	N	
4	Will the proposed sub-project be implemented in the areas surrounding water bodies, lakes and ponds and intend to use or depend on them for the implementation?	N	
5	Will the proposed sub-project be implemented in areas located in high risk zone such as landslide prone area, steep slopes, highly degraded land in hills, riverine area susceptible to annually flooding, or in areas causing large-scale soil erosion?	N	
6	Will the proposed sub-project involve land clearance on very steep slopes?	N	
7	Will the proposed sub-project involve logging?	N	
8	Will the proposed sub-project endanger indigenous plant species of ecological significance?	N	
9	Solid waste management	N	
10	Waste water treatment	N	
11	Availability of drinking water	N	
12	Availability of toilet for male and female	N	
<b>B</b>	<b>Social Screening Checklists</b>		
1	Does the sub-project require land acquisition?	N	
2	Has sub-project managed enough land for sub-project implementation? If Yes, how? Specify	Y	NLBO has about 100 ha land.

3	Does the land acquisition cause displacement of households?	N	
4	Will the proposed sub-project be implemented in the areas surrounding heritage site/religious temple/religious site/grave yard?	N	
5	Will the sub-project involve activities that are likely to make irreversible adverse impact on indigenous communities, women and vulnerable groups?	N	
6	Will the proposed sub-project include any activity that promotes or involves incidence of child labour?	N	
7	Will the sub-project require some families losing their farmland and assets on the land?	N	
8	Will the proposed sub-project cause displacement of families due to implementation or construction of infrastructure?	N	
9	Will the proposed sub-project benefit ethnic groups living in the surrounding of the service centre?	N	

Findings: The proposed site does not fall within any kind of protected area system, historical or cultural sites or any critical aquatic and terrestrial habitat areas. The land belongs to NLBO, Pokhara and does not have any land dispute. The proposed sub-project does not impact to indigenous communities, women and vulnerable groups. The proposed sub-project does not displace anybody. Thus it has not adverse environmental and social impacts and also does not attract any environmental acts and rules for environmental assessment study. So ESMP has been suggested for the proposed sub-project and further study is not required.

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