



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, Lahan

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, Lahan by constructing one additional bull shed for 10 bulls with the dimension of 20.3x12 m². The proposed construction work will be done within the premises of The National Livestock Breeding Office (NLBO), Lahan.

The NLBO Lahan established a long way back and is a government owned entity spread over an area of 10 ha. It is located in ward number 10 of Lahan Municipality. The NLBO has 17 bulls for Semen collection.

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 NLSIP Consultants and authority.

A walk over survey was conducted on 26th September 2020 for carrying out environmental and social screening of the proposed subproject. Features at the location were documented, measured and recorded.

4. Existing Environment

The subproject site lies in ward number 10 of Lahan Municipality within the premise of NLBO Lahan with more than 10 ha of land. The human settlements are nearly half a km far from the subproject area in western side.

There are both side faced 2 bull sheds, one hay storage building and one office building cum semen collection laboratory and semen collection yard. 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.

The subproject site is with flat terrain. It has humid sub-tropical climate. There is no forest area nearby the subproject site. There is Khutti River in east direction (about 500 m arial distance) 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. Natural drainage is avail to manage the rain water and overland surface flow.

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 Lahan and does not have any land dispute.
4. The proposed sub-project does not impact to indigenous communities, women, marginalized 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 (2019) and rules (2020) for further environmental assessment and study. However, some preventive and corrective measures 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

Environment and Social Screening for the Construction of Bull Shed

Location: Lahan Metropolitan City, ward no-10, Siraha, Province no 2.

S.N.	Questions	Response (Yes/No)	Remarks
A	Environmental Screening		
1	Does the proposed bull mother shed intend to use or depend on any resources of national parks and protected areas or any critical aquatic and terrestrial habitat area?	No	
2	Will the proposed bull mother shed be implemented in areas surrounding national parks or protected areas?	No	
3	Will the proposed bull mother shed be implemented in areas surrounding forest or wildlife areas other than national parks and protected areas?	No	
4	Will the proposed bull mother shed be implemented in the areas surrounding water bodies, lakes and ponds and intend to use or depend on them for the implementation?	No	
5	Will the proposed bull mother shed 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?	No	
6	Will the proposed bull mother shed involve land clearance on very steep slopes?	No	
7	Will the proposed bull mother shed involve logging?	No	
8	Will the proposed bull mother shed endanger indigenous plant species of ecological significance?	No	
9	Solid waste management	Yes	There is a dung collection pit
10	Waste water treatment	Yes	The urine and the waste water generated from the existing shed is collected in urine collection chamber
11	Availability of drinking water	Yes	There is the provision Municipal water supply system.
12	Availability of toilet for male and female	Yes	The office has the facility
B	Social Screening Checklists		
1	Does the bull mother shed require land acquisition?	No	
2	Has bull mother shed managed enough land for bull mother shed implementation? If Yes, how? Specify	Yes	The land belongs to Government of Nepal.
3	Does the land acquisition cause displacement of households?	No	
4	Will the proposed bull mother shed be implemented in the areas surrounding heritage site/religious temple/religious site/grave yard?	No	
5	Will the bull mother shed involve activities that are likely to	No	

	make irreversible adverse impact on indigenous communities, women and vulnerable groups?		
6	Will the proposed bull mother shed include any activity that promotes or involves incidence of child labour?	No	
7	Will the bull mother shed require some families losing their farmland and assets on the land?	No	
8	Will the proposed bull mother shed cause displacement of families due to implementation or construction of infrastructure?	No	
9	Will the proposed bull mother shed benefit ethnic groups living in the surrounding of the service centre?	Yes	Indirectly they are benefited by AI

Findings

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.

The land belongs to NLBO Lahan 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 no adverse environmental and social impacts and also does not attract any clauses of environmental acts and rules for further environmental assessment and study. Thus, ESMP has been suggested for the proposed sub-project and further study is not required.

Name of Surveyors

1. Bishal Rijal

Environment and Social Safeguard Specialist (TA, NLSIP)

2. Raman Maharjan

Civil Engineer (Apex-Inclusive JV, NLSIP)