

Environmental & Social Management Plan (ESMP)

Livestock Sector



Balochistan Livelihood and Entrepreneurship Project (BLEP)

June 2022



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Executive Summary

Background

Being one of the most populated (208 million) lower middle-income countries in the world, Pakistan has sustained its GDP growth rates from 3.7 percent in 2013 to 5.3 percent in 2017. This growth has been translated in the form of 22 percent raise in GDP per capita from approximately US\$ 1,333 in 2013 to US\$ 1,629 in 2017. However, the accelerated growth rates of the country do not commensurate in the province of Balochistan. According to 2014 poverty index estimation, 30 percent of the population lived below the poverty line as compared to 37 percent in 2010. Balochistan has been ranked highest with 71.2 percent of population living below the poverty line. The proportion of poor in rural areas (84.6 %) is significantly higher than urban areas (37.7 %). Major districts of Balochistan exhibit significantly low social development and extremely high levels of poverty and deprivation. Over 90 percent of the individuals in the age cohort of 15-49 are unemployed and over 60 percent of those unemployed are illiterate. In the absence of the basic facilities, the province has further dropped in terms of sustainability. In addition to these challenges related to poverty and low access to jobs and skills training, parts of Balochistan are defined by their disproportionately high concentration of refugee populations. According to a study by ILO and UNHCR, almost 23 percent of Afghan refugees (approximately 318,000) in Pakistan are concentrated in six districts in Northern Balochistan. While originally concentrated in refugee camps, these refugees have, over the last decade, spread across the province and integrated with the non-refugee populations.

Balochistan Livelihood and Entrepreneurship Project (BLEP)

In response to the priorities of the Government of Pakistan on poverty reduction, the World Bank in close consultation with Government of Balochistan (GoB) and relevant stakeholders have designed the Balochistan Livelihoods and Entrepreneurship Project (BLEP) focusing on improving livelihoods of rural communities by promoting employment opportunities and sustainability of enterprises in project Districts. The project will be implemented in eight districts in the north of Balochistan, including Killa Abdullah, Killa Saifullah, Chagai, Sherani, Pishin, Mastung, Zhob and Nushki and will benefit rural households to promote livelihoods through enterprise development and job creation. The project will predominantly target communities based in areas affected by a protracted refugee situation. These districts are also affected by a protracted refugee situation. The project is likely to gain benefits for the communities in selected districts, having reliance on enterprises related to various sectors, with a priority on Agriculture, Livestock, Mines & Minerals, Handicrafts and Small Industries, Ecotourism and Forestry.

Construction and Rehabilitation of Livestock Facilities

Balochistan has an enormous potential in livestock sector which provides livelihood to a significant population of poor families. The sector is not only useful in providing nutritious food like meat, milk and eggs, but also produce raw material such as manure, offal, trotters, hides and skins, wool and blood for various industries. However, the district lacks processing units and marketing system for dairy products and other industries. A Project Facilitation Committee (PFC), headed by the Secretary Planning and Development Department (P&DD) has been established comprising representatives from relevant line departments to provide sector-specific expertise, depending upon local priorities and as required to BLEP. The PFC has approved 11 sites identified by the Livestock department for the construction and rehabilitation of Dairy, Poultry facilities. These facilities are proposed to be established within the premises of Livestock departments at the District level. Pishin, Mastung, Nushki, Zhob, and Qilla Saifullah. The BLEP interventions will help the Livestock department in constructing new sheds (dairy and poultry), rehabilitating the existing facilities, provision of High Milk yielding new exotic genome, mature pullets, equipment and training of the staff. The ultimate beneficiary of all the facilities will be community having access to subsidized products (milk, eggs).

Environmental Social and Management Plan (ESMP)

This sector specific ESMP was prepared for the sub-projects that envisaged the construction and rehabilitation of Dairy and Poultry facilities for the Livestock department, located in Pishin, Zhob, Noshki, Mastung and Muslim Bagh. The measures in this ESMP are based on the guidelines provided in the Environmental and Social Management Framework (ESMF) prepared for BLEP. The ESMF helped as a guidance material for the development of this sector specific ESMP for Livestock. Environmental and Social Management Plan (ESMP) is in accordance with World Bank OP 4.01 and prepared by the Project Management and Implementation Unit (PMIU) for livestock sector. This study examined the potential negative and positive environmental and social impacts and recommend measures needed to prevent, minimize, mitigate the adverse impacts and improve environmental and social performance. The ESMP included the description of activities their adverse effects, a description of mitigation measures, and portrayal of management and monitoring plan. Cost estimates for the implementation of ESMP are also included. This ESMP will be made part of the bidding and contract documents to ensure its effective implementation at all stages as per requirements.

1. Introduction

1.1 Background

In response to the priorities of the Government of Pakistan on poverty reduction, the World Bank in close consultation with Government of Balochistan (GoB) and relevant stakeholders has designed the Balochistan Livelihoods and Entrepreneurship Project (BLEP) focusing on improving the livelihoods of rural communities by promoting employment opportunities and sustainability of enterprises in project Districts. The project will be implemented in eight districts in the north of Balochistan, including Killa Abdullah, Killa Saifullah, Chagai, Sherani, Pishin, Mastung, Zhob and Nushki, and will benefit rural households to promote livelihoods through enterprise development and job creation. The project will predominantly target communities based in areas affected by a protracted refugee situation. The project is likely to gain benefits for the communities in selected districts, having reliance on enterprises related to various sectors, with a priority on Agriculture, Livestock, Mines & Minerals, Handicrafts and Small Industries, Ecotourism, and Forestry. The Project has three main components and will be implemented during the course of 5 years.

1.2 Project Components

Component 1: Economic Mobilization:

The objective of this component is to support both the refugees and host communities in rural and peri-urban areas of selected districts in Balochistan to collectively access technical and financial resources while converting location disadvantage into location advantage, thereby addressing issues related to low population density and high cost of delivery in an inclusive manner. This component has two sub-components, including community facilitation and citizen's engagement. The first sub-component will leverage existing social capital to identify those entrepreneurs who can become potential project beneficiaries and create a cadre of Local Facilitators (LFs) and Technical Resources Persons (TRPs) who will be remunerated based on deliverables and will support the Project Management and Implementation Unit (PMIU) in project implementation. The second sub-component aims to develop adequate methods of citizens' engagement given the intra and inter district diversity within Balochistan.

Component 2: Promoting Enterprise Development and Livelihoods:

This component will support local entrepreneurs and individuals to enhance profitability and income through the provision of matching grants, business development support and vocational training. This component has three sub-components. **Enterprise facilitation** is aimed at supporting groups of entrepreneurs and individual entrepreneurs having common economic interests and individual entrepreneurs to prepare Enterprise Development Plans (EDPs), which will broadly outline requirements for Business Development Services (BDS), issues related to access to finance, skills gap, market linkages and the need for Business Support Facilities (BSFs). The second sub-component will support individuals engaged in subsistence activities in the **development and implementation of Livelihoods Investment Plans (LIPs)**. This sub-component will help the beneficiaries of LIPs to graduate from subsistence towards more structured and semi-formal economic activities. The third sub-component is aimed at **developing a vocational training and skills programme** in rural parts of Balochistan to not only improve employability of individuals but also to create a skilled workforce that can be utilized by the enterprises supported through provision of matching grants.

Component 3: Project Management:

This component is aimed at addressing the challenge of weak public-sector capacity for delivery of services and inculcating an efficient approach towards service delivery. The interventions proposed in this section are aimed at building capacity within the Government of Balochistan to develop a corporate and more ‘private-sector’ approach towards service delivery, to increase transparency and efficiency.

1.3 Construction and Rehabilitation of Livestock Facilities

The herdsmen of Balochistan are among the best breeders of sheep, goat, cattle, horse and camel in Pakistan. Animal husbandry is the mainstay of Balochistan’s rural economy. It not only engages and provides sustenance to a large rural population in the province but also contributes substantially to the national economy in the form of export earnings. Balochistan has an enormous potential in livestock sector which provides livelihood to a significant population of poor families. The sector is not only useful in providing nutritious food like meat, milk and eggs, but also produce raw material such as manure, offal, trotters, hides and skins, wool and blood for various industries. However, the district lacks processing units and marketing system for dairy products and other industries.

A Project Facilitation Committee (PFC), headed by the Secretary Planning and Development Department (P&DD) has been established comprising representatives from relevant line departments to provide sector-specific expertise, depending upon local priorities and as required to BLEP. These focal points will also provide operational support and facilitate day-to-day operations specific to the departments they represent. The Project Facilitation Committee has approved 11 sites identified by the Livestock department for the construction and rehabilitation of Dairy, Poultry facilities. These facilities are proposed to be established within the premises of Livestock departments at the District level. Pishin, Mastung, Noshki, Zhob, and Qilla Saifullah. The interventions approved by Project Facilitation Committee (PFC) are:

1. Construction of Government Dairy Farm and Poultry Farm at District Nushki
2. Construction of Government Dairy Farm and Poultry Farm at District Mastung
3. Construction of Government Dairy Farm and Poultry Farm at District Pishin
4. Construction of Government Dairy Farm and Poultry Farm at District Killa Saifullah
5. Construction of Government Dairy Farm and Poultry Farm at District Zhob
6. Installation of Milk Pasteurization at Government Dairy Farm, Quetta

The civil works for the construction and rehabilitation of Livestock facilities will be carried out in three packages and each package will be referred to as a “sub-project” in this ESMP report. The construction/rehabilitation works will be carried out at 11 locations in District Livestock Departments at Pishin (Pishin & Khanozai), Mastung, Noshki, Zhob and Killa Saifullah (Muslim Bagh). The specific components of the sub-projects are:

1.3.1 Construction/Rehabilitation of Poultry Farm

Under this component, small Poultry units (NOs 5) are proposed to be constructed at Pishin, Killa Saifullah (Tehsil Muslim Bagh), Zhob, Nushki, and Mastung. Minor civil work is proposed for the rehabilitation of the existing shed at Livestock office District Pishin.

1.3.2 Construction/Rehabilitation of Dairy Farm

Rehabilitation of existing Dairy units (NOs 4) is proposed one in each district at Mastung, Pishin, Zhob, and Nushki. Civil work for the construction of One (1) Small Dairy farm is proposed at Tehsil Khanozai, District

Pishin. For the improved Dairy production BLEP will install a Milk pasteurization plant (1) at Livestock department in District Quetta.

1.4 Justification and Need of the Sub-Project

The subprojects have been included by the Livestock and Dairy Development Department, Government of Balochistan on the recommendation of Project Facilitation Committee (PFC). The Government Farms will be strengthened by BLEP through introduction of new High Milk Producing Genome and thus increase their production and profitability benefiting the community who are the end users supported by the subsidized rates of milk and eggs

The BLEP activities will help the LS&DD by constructing new sheds (dairy and poultry), rehabilitating the existing facilities, provision of High Milk yielding new exotic genome, equipment and training of the staff. The ultimate beneficiary of all the facilities will be community in the form of subsidized products (milk, eggs and male calves for breeding purpose) as have been observed at dairy and poultry farms which currently are unable to meet the supply need of the community who buy the same from local market costing them higher prices. The same facilities will also help in changing the perception of local community and introduce investing in dairy and poultry sector.

1.5 Project Area

This ESMP is for Livestock facilities proposed to be constructed/rehabilitated at Killa Saifullah, Pishin, Mastung, Zhob and Nushki. The district map of Balochistan is shown in figure 1.

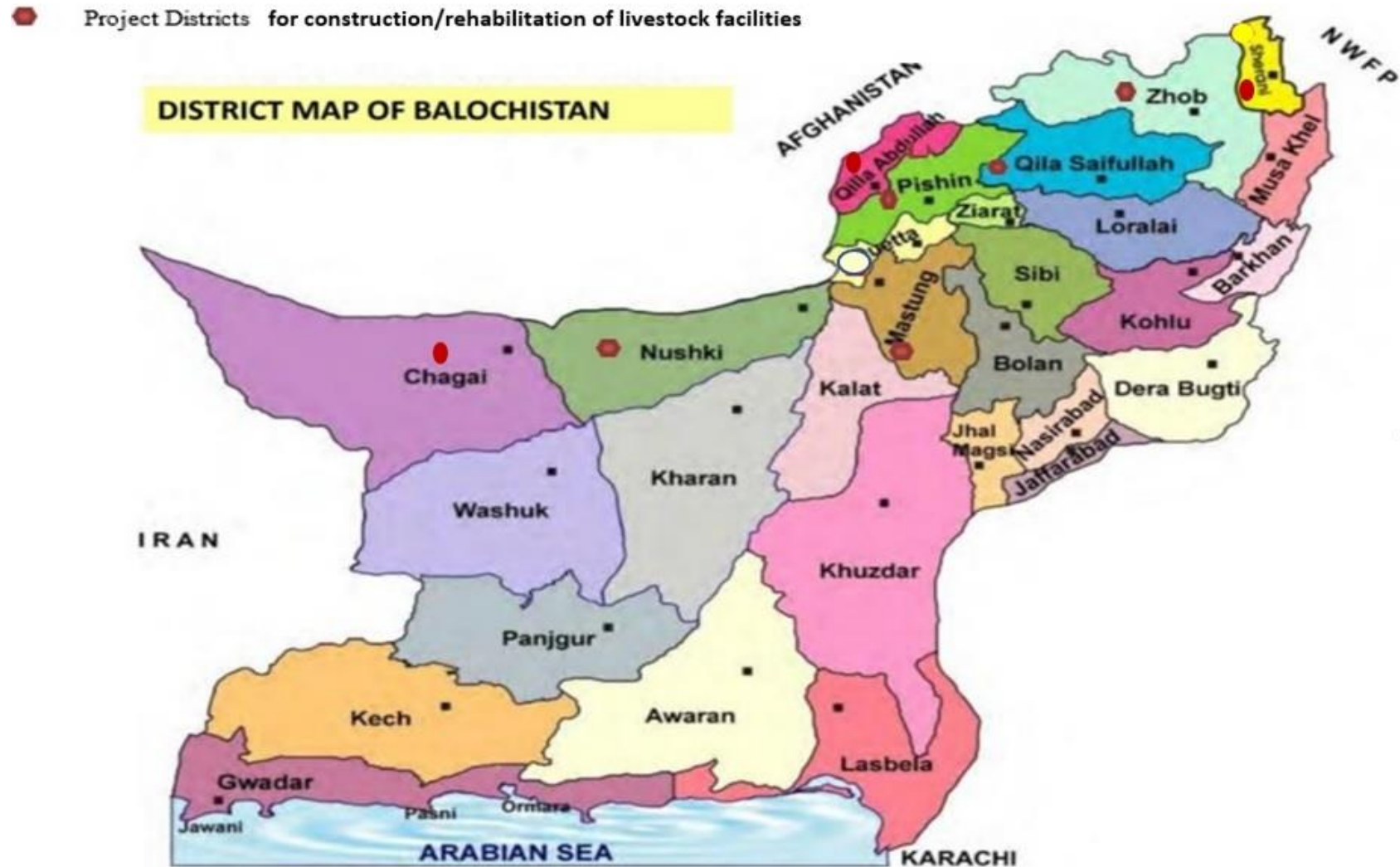


Figure 1. District Map of Balochistan

1.6 Environment and Social Management Plan

BLEP plans to finance interventions specifically under Component 2: Promoting Enterprise Development and Livelihoods including agricultural reforms, handicraft augmentation, mines and minerals trade, livestock expansion, ecotourism and forestry extension. In addition, small scale infrastructure development is also planned in these sectors to improve the livelihood of the target districts. Component 2 will enable communities to establish business enterprises in the five sectors of the economy. Development linked to establishment of these business enterprises may envisage potential negative impacts on physical, ecological and socioeconomic conditions of the project districts. To address the potential negative environmental and social impacts of the development projects at an early stage, a range of environmental assessment instruments are used by the World Bank. For BLEP, specific sites, category of business enterprises and level of development has not been identified at project design stage; therefore, a framework approach was adopted to prepare an the environmental and social management tools. The environmental and Social Management Framework (The ESMF has outlined the prerequisite environmental and social screening that would lead to development of necessary E&S instruments (document).

Accordingly, this ESMP was prepared for the sub-projects that envisaged for the construction and rehabilitation of Dairy and Poultry facilities for the Livestock department, located in Pishin, Zhob, Noshki, Mastung, Muslim Bagh and Quetta. The measures in this ESMP are based on the guidelines provided in the Environmental and Social Management Framework (ESMF). . Environmental and Social Management Plan (ESMP) is in accordance with World Bank OP 4.01 and is prepared by the Project Management and Implementation Unit (PMIU) for livestock sector. This study examined the potential negative and positive environmental and social impacts and recommend measures needed to prevent, minimize, mitigate the adverse impacts and improve environmental and social performance. The ESMP included the description of activities their adverse effects, a description of mitigation measures, and portrayal of management and monitoring plan. Cost estimates for the implementation of ESMP are also included. This ESMP will be made part of the bidding and contract documents to ensure its effective implementation at all stages as per requirements.

1.6.1 Objectives of Environmental and Social Management Plan (ESMP)

The following are the objectives of the ESMP.

- I. Identify the social and environmental impacts of the sub-projects and related activities.
- II. Suggest suitable measures for mitigation of identified impacts at planning and implementation stages of subproject and to avoid, eliminate, or reduce adverse impacts if any.
- III. Propose an environmental and social monitoring plan to ensure that mitigation measures are implemented during the subproject execution and timely corrective actions are taken where required.
- IV. To carry out monthly social and environmental monitoring and ensure compliance and reporting non-compliance in accordance with this ESMP.
- V. Capacity building of contractor and project staff.

The ESMP shall be kept with the Contractor and Livestock department so that they may comply with its requirements. During the construction phase, any work executed by the Contractor, or on behalf of the Contractor (including sub-contractors), shall be in accordance with the ESMP.

1.7 Study Team

The details of the team members involved during the preparation of this ESMP and in various activities is provided in **Annex-1**.

2. Description of Sub-Project

This section provides the details of the engineering activities, construction quantities, required human resource, and various construction phase activities to be executed for the construction/rehabilitation of Livestock facilities.

2.1 Proposed Intervention & Engineering Activities

The work activities under this ESMP will be carried out in three (03) packages. The civil works include the construction and rehabilitation of eleven (11) livestock facilities (Dairy & Poultry Farm) in districts Zhob, Mastung, Noshki, Pishin, Muslim Bagh.. The details of engineering activities to be carried out under the sub-project in the respective package are provided in table 1.

Construction Activities Table 1.

S. No	Location	Construction Activities	
1	Pre-Construction Activities	<ul style="list-style-type: none">Joint visit of the sites with Livestock Expert, Senior Engineers, Environment and Social Expert of PMIU for Environment and Social Screening (Given in annexure-6).Deputation of relevant staffs for the start of WorkMobilization of Machinery and Equipment	
Work Proposed Under Package 1			
(Construction/Rehabilitation Dairy and Poultry Facilities at Mastung and Noshki			
1	Mastung	Major activities/components of poultry unit.	Major activities/components of Dairy unit.
		<ul style="list-style-type: none">Provision of 5000 Mature PulletsProvision of laying cages for 5000 birdsInstallation of exhaust fans and cooling padsConstruction of poultry shed (141'x31').Construction of poultry Admin Room with washrooms 22'x17'Construction of poultry Store/Feed Room 12'x 16'Construction of poultry Laborer Room with wash rooms 15'x20'	<ul style="list-style-type: none">Provision of 10 Holstein Friesian Heifers (Mature, 3-5 months pregnant with female calf).Rehabilitation of Dairy Shed 71'x32'Rehabilitation of Dry Cows Sheds (40'x20').Rehabilitation of one Calves Sheds (20'x20').Construction of Milking Room 14'x 20'Rehabilitation of existing Laborer Rooms admin Rooms and other allied facilities 25'x32'Rehabilitation/Construction of Open Paddock 75'x50'Construction of Open Shed 70'x20'

2	Noshki	Major activities/components of poultry unit.	Major activities/components of Dairy unit.
		<ul style="list-style-type: none"> Provision of 5000Mature Pullets Provision of laying cages for 5000 birds Installation of exhaust fans and cooling pads Rehabilitation of poultry shed (75'x28'). Rehabilitation of Store/Feed Room 12'x 16' Rehabilitation of Laborer Room 15'x32' 	<ul style="list-style-type: none"> Provision of 10 Holstein Friesian Heifers (Mature, 3-5 months pregnant with female calf). Rehabilitation of Dairy Shed 80'x32' Rehabilitation of Store/Feed Room 25'x 16' Rehabilitation of existing Laborer Room 15'x20' Extension of Open Paddock 75'x50' Construction of Open Shed 70'x20'
Work Proposed Under Package 2 (Construction/Rehabilitation Dairy and Poultry Facilities at Pishin (Bazar), Khanozai and Quetta)			
1	Pishin (Pishin Bazar)	Major activities/components of poultry unit.	Major activities/components of Dairy unit.
		<ul style="list-style-type: none"> Provision of 5000 Mature Pullets Provision of laying cages for 5000 birds Installation of exhaust fans and cooling pads Construction of poultry shed (141'x31'). Rehabilitation of existing shed 70'x25' Construction of poultry Admin Room with washrooms 22'x17' Construction of poultry Store/Feed Room 12'x 16' Construction of poultry Laborer Room with wash rooms 15'x20' 	<ul style="list-style-type: none"> Provision of 10 Holstein Friesian Heifers (Mature, 3-5 months pregnant with female calf). Provision of movable Milking machines (as per need) Construction of Dairy Shed 60'x60' Construction of one Admin Room (15'x17') with washroom Construction of Store/Feed Room 16'x 20' Construction of Milking Room 20'x19' Construction of Open Paddock 65'x60' Construction of Open Paddock 65'x80'
2	Pishin (Khanozai)	Major activities/components of Dairy unit.	
		<ul style="list-style-type: none"> Provision of 10 Holstein Friesian Heifers (Mature, 3-5 months pregnant with female calf). 	

		<ul style="list-style-type: none">• Provision of movable Milking machines (as per need)• Construction of Dairy Shed 60'x60'• Construction of one Admin Room (15'x17') with washroom• Construction of Store/Feed Room 16'x 20'• Construction of Milking Room 20'x19'• Construction of Open Paddock 65'x60'• Construction of Open Paddock 65'x80'				
Work Proposed Under Package 3						
(Construction/Rehabilitation Dairy and Poultry Facilities at Zhob and Muslim Bagh						
1	Zhob	<table><tr><th>Major activities/components of poultry unit.</th><th>Major activities/components of Dairy unit.</th></tr><tr><td><ul style="list-style-type: none">• Provision of 5000 Mature Pullets• Provision of laying cages for 5000 birds• Installation of exhaust fans and cooling pads• Construction of poultry shed (141'x31').• Construction of poultry Admin Room with washrooms 22'x17'• Construction of poultry Store/Feed Room 12'x 16'• Construction of poultry Laborer Room with wash rooms 15'x20'</td><td><ul style="list-style-type: none">• Provision of 10 Holstein Friesian Heifers (Mature, 3-5 months pregnant with female calf).• Provision of movable Milking machines (as per need)• Rehabilitation of Dairy Shed 100'x30'• Rehabilitation of one Admin Room (22'x17') with two washrooms• Rehabilitation of Store/Feed Room 18'x 32'• Rehabilitation of existing Laborer Room 25'x32'• Extension of Open Paddock 65'x60'• Rehabilitation of Milking Room 20'x29'• Rehabilitation of Extra two Rooms 20'x10' and 10'x33.5'• Rehabilitation of Calves Shed 20'x25.25'• Construction of open shed 70'x20'</td></tr></table>	Major activities/components of poultry unit.	Major activities/components of Dairy unit.	<ul style="list-style-type: none">• Provision of 5000 Mature Pullets• Provision of laying cages for 5000 birds• Installation of exhaust fans and cooling pads• Construction of poultry shed (141'x31').• Construction of poultry Admin Room with washrooms 22'x17'• Construction of poultry Store/Feed Room 12'x 16'• Construction of poultry Laborer Room with wash rooms 15'x20'	<ul style="list-style-type: none">• Provision of 10 Holstein Friesian Heifers (Mature, 3-5 months pregnant with female calf).• Provision of movable Milking machines (as per need)• Rehabilitation of Dairy Shed 100'x30'• Rehabilitation of one Admin Room (22'x17') with two washrooms• Rehabilitation of Store/Feed Room 18'x 32'• Rehabilitation of existing Laborer Room 25'x32'• Extension of Open Paddock 65'x60'• Rehabilitation of Milking Room 20'x29'• Rehabilitation of Extra two Rooms 20'x10' and 10'x33.5'• Rehabilitation of Calves Shed 20'x25.25'• Construction of open shed 70'x20'
Major activities/components of poultry unit.	Major activities/components of Dairy unit.					
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2	Muslim Bagh	Major activities/components of poultry unit.				

		<ul style="list-style-type: none"> • Provision of 5000 Mature Pullets • Provision of laying cages for 5000 birds • Installation of exhaust fans and cooling pads • Rehabilitation of two poultry sheds (65'x28') and (25'x20') . • Rehabilitation of Store/Feed Room 12'x 16' • Rehabilitation of office/kitchen 25'x18' • Construction of poultry Brooder Room 20'x25'
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Figure 2: Location Map for the Construction/Rehabilitation of Livestock Facilities

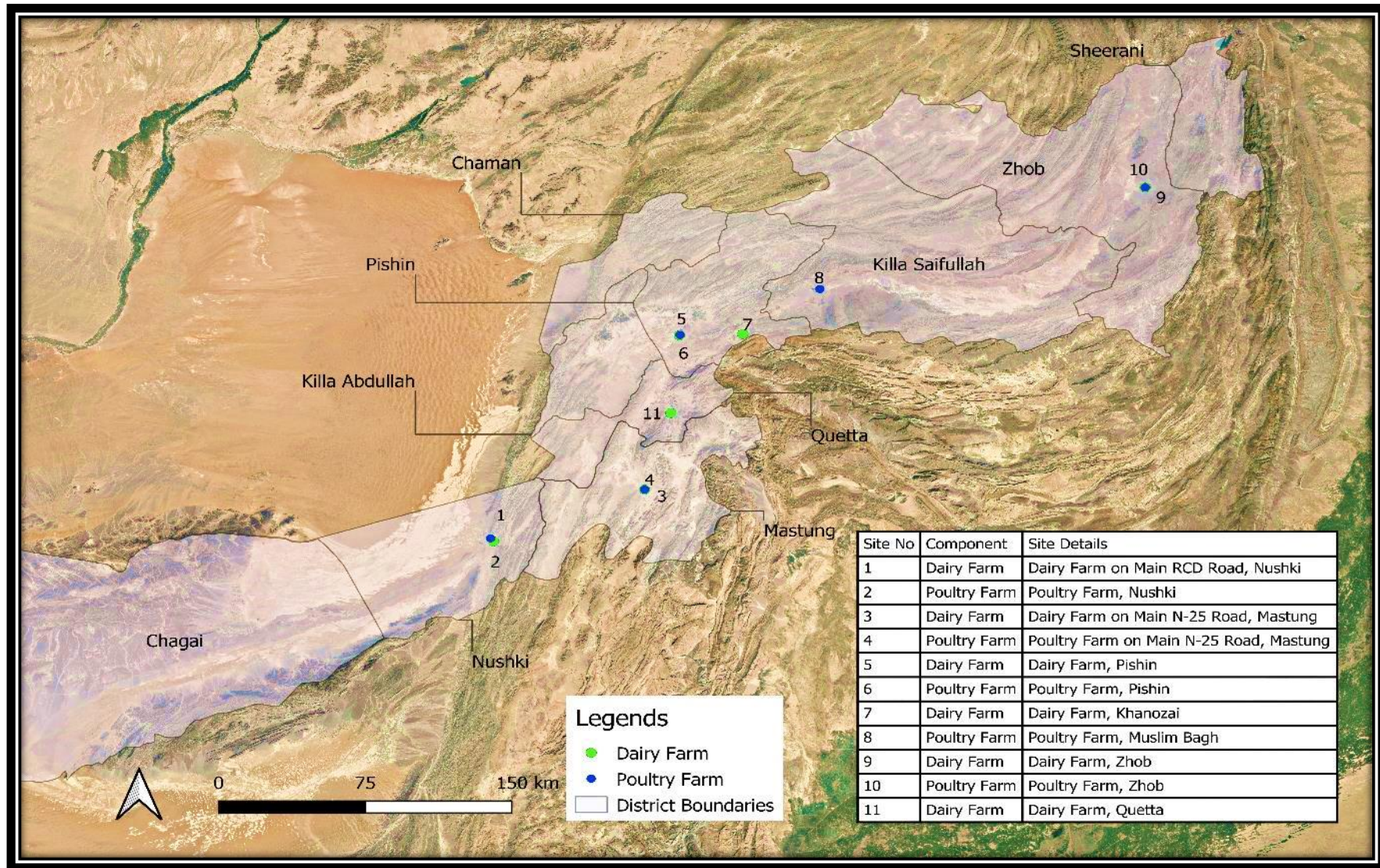


Figure 3. Standard Layout plan for Dairy farm

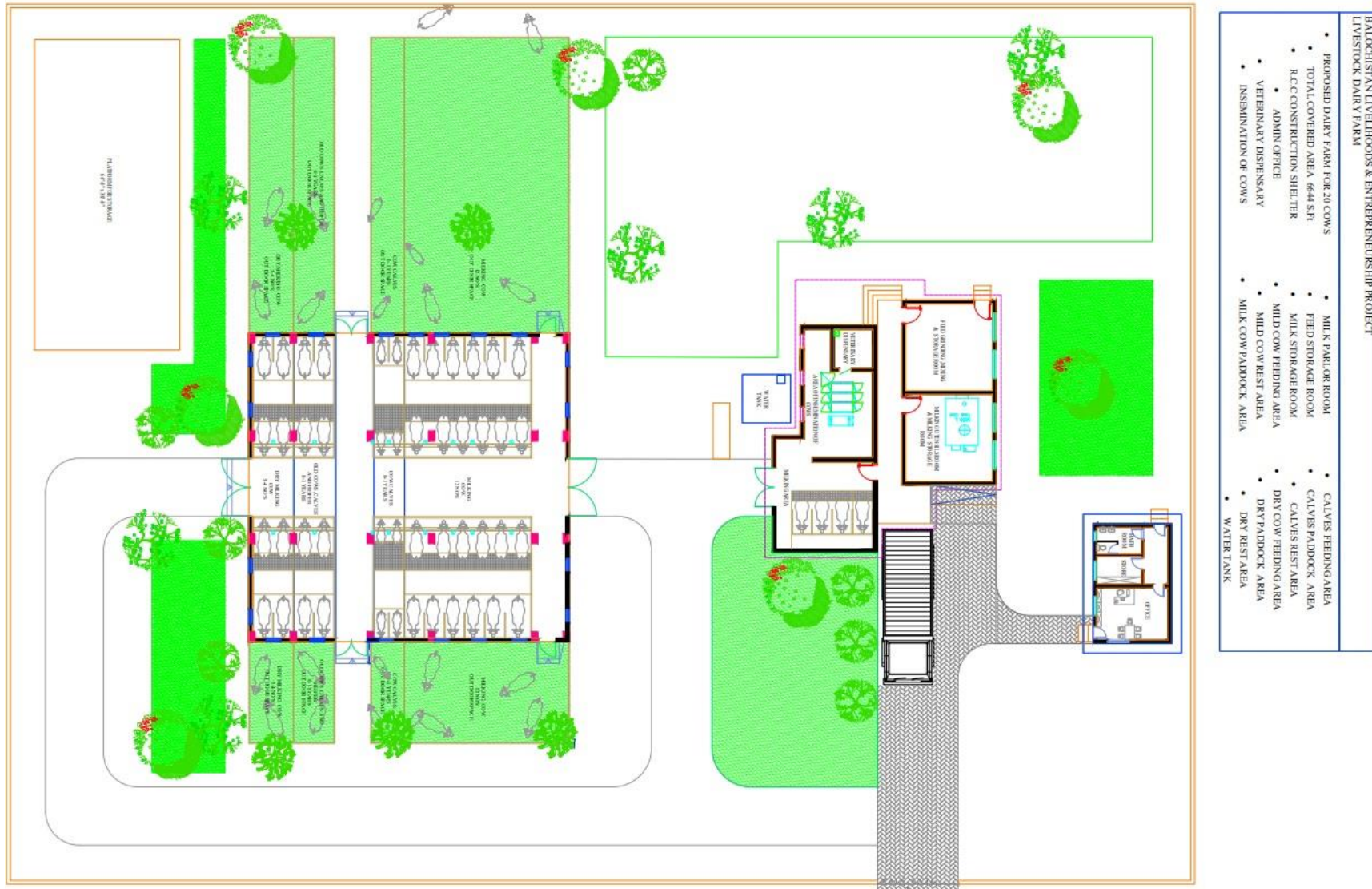
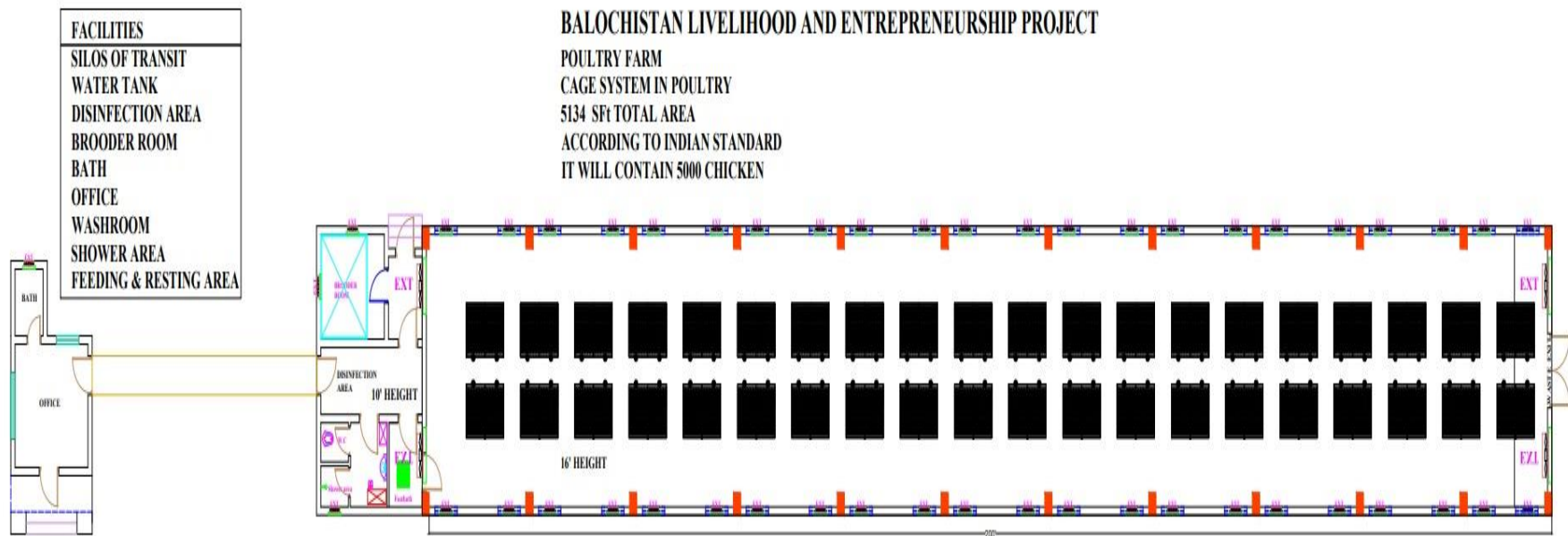


Figure 4. Standard Layout plan for Poultry farm



2.2 Construction Material

The following construction materials are foreseen to be used in construction/rehabilitation of Livestock facilities:

- a) Earth Work
- b) Concrete Work
- c) Brickwork
- d) Plastering

Estimated quantities of construction material required are given in Table-2.

Table 2: Estimated Quantities of Construction Materials

Location	Earth work (cft)		Cement Concrete (cft)		Reinforcement (Tones)		Brickwork (cft)		Plastering (sft)	
	Poultry	Dairy	Poultry	Dairy	Poultry	Dairy	Poultry	Dairy	Poultry	Dairy
Package-1										
Mastung	12000	-	20000	10000	15	-	11000	-	14000	9000
Noshki	-	-	8000	8600	-	-	-	-	8000	7500
Package -2										
Pishin	13000	27000	21000	20000	15	50	12000	24000	14000	44000
Package -3										
Muslim Bagh	-	-	8500	-	-	-	-	-	8500	-
Zhob	12000	-	20000	18000	15	-	11000	-	14000	10500
Total	37000	27000	77500	56600	45	50	34000	24000	58500	71000

2.3 Use of Excavated Material

It is estimated that 64,000 cubic feet (cft) of earth material will be excavated during the construction of the structures (foundation excavation for the construction of Dairy and Poultry Facilities). All the excavated material acquired during excavation shall be reused for the backfill.

2.4 Cement, Steel and quarry material

The cement, steel and quarry material will be purchased from commercial sources.

2.5 Machinery and Equipment

The construction work includes Earth Work (foundation excavation), brickwork, plastering and concrete work. These works will require labor for foundation excavation, dumpers, concrete mixtures and small compactor etc. All this equipment will be directly managed by the contractors. The estimated machinery and equipment required is given in Table-3.

Table 3: Machinery and Tools/Equipment Required for Construction Works

Machinery Equipment (Estimated Quantity)	Package 1	Package 2	Package 3
Concrete Mixture	02	03	02
Dumper	02	02	02
Concrete vibrator	02	02	02
Wheel Barrow	16	16	16

2.6 Manpower Requirement

At the peak of construction activity, up to 165 workers (15 in each site) are likely to be employed for the works to be carried out at each package. Workforce will be hired from the local area.

3. Environmental and Social Impacts and Mitigation

This Chapter assesses the impacts on the environment and social aspects of the construction and rehabilitation of Livestock facilities in the targeted districts. It determines the significance of impacts and recommends mitigation measures to be implemented during execution phase of the sub-project.

3.1 Screening of Environmental & Social Impacts

A sector specific screening checklist focusing on environmental and social impacts is developed specifically for the livestock sector. The screening checklist as given in annexure-6 assessed the interaction of project activities with various components of the environment and society. The impacts were broadly classified as environmental, and social. The reconnaissance field visit was carried out to assess social and environmental impacts. It reveals that the project activities will not cause significant disturbance and inconvenience to local community and the natural environment of the area. All the impacts which have been identified during the screening, are associated with the construction and operation phase, are minor to moderate in severity; and can easily be mitigated through planning or adopting appropriate management measures that are included in this ESMP. The nature and scope of the construction activities would bring a number of the associated potential social and environmental impacts. The laborers for construction are expected to be hired from local areas which will enhance economic opportunities for them. Moreover, the environmental and social safeguards screening depicts that: (i) the sub-project will not require land acquisition; and (ii) the sub-project will not involve any involuntary resettlement.

3.2 Impact of Construction Activities

The project will support construction and rehabilitation of 11 livestock facilities for small dairy and poultry units. There are numerous sources of water, soil and air pollution at construction sites. However, the project is not likely to finance large scale construction activities. Small scale construction and rehabilitation of livestock facilities will have low impacts on the environment if mitigation and monitoring plan is adequately implemented. The impacts may include effluent and liquid waste from diesel and other fossil fuels, paints, solvents, and toxic chemicals. Similarly, there may be gaseous and dust emissions from construction equipment and civil works, as well as noise and solid waste generation. The assessment also envisaged the positive impacts such as: the proposed interventions will help the Livestock department in increased productivity through constructing new sheds (dairy and poultry), rehabilitating the existing facilities, provision of animals, birds, and equipment. The ultimate beneficiary of all the facilities will be community in the form of subsidized products (milk, eggs). Further, the interventions will also help in changing the perception of local community and introduce investing in dairy and poultry sector. Overall the negative impacts associated with construction activities are of temporary nature, local (site specific) and not wide-spread; and easily reversible through simple mitigation measures. Some of these impacts and relevant mitigation measures are described below.

3.2.1 Impact on Air Quality and Mitigation Measures

During the construction phase, pollutants on ambient air mainly include dusts from surface levelling, excavation of foundation at the construction site, movements of transportation vehicles and their loading/unloading of construction materials, earthwork by construction machinery and temporary piling of spoils. Construction activities may increase dust content in the air at certain parts within the area, and may also be transported to neighboring areas by wind, thus affecting livelihood and working of employees of adjacent entities. In addition, exhaust gas from construction machinery and transportation vehicles may increase concentration of carbon monoxide and other pollutants in the air of certain parts of the area. Measures to be taken during the construction period include the following:

1. The vehicles will avoid passing through the communities and cultivation fields as far as possible. If unavoidable, speed will be reduced to 15 km/h to avoid excessive dust emissions.
2. Partition sheets/fence will be installed at construction in areas close to the residing communities;
3. On-site mixing shall be carried out at enclosed space, cement, lime powder and other construction materials shall be stored at storage yard or tightly covered. Discrete materials such as sand and soil

must be covered, the building materials to be loaded, unloaded and/or handled shall be covered, closed or sprinkled with water, and none of them shall be thrown or spread into the air;

4. The equipment and construction vehicles shall be regularly maintained to avoid gas emissions;
5. The contractor shall be required to submit a traffic management plan which identifies the proposed access and haulage routes and shall be prohibited from using any routes other than those specified in the traffic management plan.
6. Water sprinkling shall be carried out at material stockpiles where dust is generated.

All the above measures will help to reduce impacts of dust during construction period to its minimum.

3.2.2 Impacts on Water and Mitigation Measures

Wastewater from the proposed intervention during construction period mainly includes cleaning water for engineering equipment and water from concrete mixing. Water availability is limited in all project districts and Mastung, Chagai, Noshki are suffering from water scarcity. During the construction period, on-site activities and workers may use certain amount domestic wastewater, of which the main part is washing water and construction water.

Following mitigations are proposed:

1. The Contractor will develop soaking pond in order to reuse the waste water produced during construction (if any) for soaking the bricks and curing of plaster.
2. Within the construction site, all solid wastes will be stored in the designated waste points/bins and waste disposed of regularly. The waste will be transported to municipal disposal points by the contractor(s), if so needed..
3. Site locations very close to drainage ditches/ culverts shall not be used for construction material storage and temporary accumulation of construction waste.
4. Machinery and equipment will only be washed in designated areas within each construction site.

3.2.3 Impact on Noise Pollution and Mitigation Measures

During Construction stage, Noise will be created as a result of the works. The main impact will be from traffic along haulage routes and the operation of construction machinery like (Tractors, Compactors and Concrete Mixing Plant). The moderate impact shall be to the settlements within or close to the site. However, construction noise is temporary and will disappear upon completion of the sub-project. The following measures are to be taken during construction work to reduce impacts of noise pollution:

1. To the extent possible, route heavy-truck traffic away from residences and other sensitive receptors
2. The use of high noise generating equipment such as a percussion piling machine or pneumatic hammer shall be prohibited;
3. The working time and construction schedule must be arranged rationally, construction contractor shall make reasonable arrangements to ensure machinery is not used during night time near residential areas.
4. Workers in the vicinity of sources of high noise shall wear necessary personnel protective equipment (PPE).
5. The Contractor shall notify affected people and communities before undertaking, especially noisy work activities.
6. The pressure horns will not be allowed while passing through or near communities.
7. The contractor shall train the operators of construction equipment on potential noise problems and the techniques to minimize noise levels.
8. In the case of concrete pouring, if it is inevitable to work in the night or late hours, the contractor will seek special permission from PMIU before carrying concrete.

9. The relevant ECOPs guideline will be annexed in the general conditions of all the contracts.

3.2.4 Impact of Solid Waste and Mitigation Measures

During the construction period, small scale construction may generate construction refuse/waste from the civil works and domestic waste from the workers. Small scale construction activities are not expected to generate high amounts of solid waste. Project areas where solid waste disposal system is not in place will suffer a higher impact. Hazardous material if used requires segregation and proper disposal. The following mitigation measures are proposed:

1. Excess construction material waste shall be minimized through careful planning by the contractor;
2. Construction waste could be reused as fill material to the extent possible with the prior permission of the engineer in-charge.
3. Domestic waste will be collected and transported to designated site(s) . Ensure domestic waste is not burnt or dumped into forests, streams or natural water bodies.
4. In absence of disposal system, the waste will be segregated at source into kitchen waste, plastic, glass, paper and metal separately. The kitchen waste will be composted with and all other dry waste shall be given to the local dealers for reuse and recycling;
5. Construction workers will be trained on segregation, storage and disposal of domestic and hazardous waste;
6. Hazardous material listed in the World Bank Guidelines and Hazardous Substances Rules 2000 shall not be used in construction. It will be ensured through contractual binding with the construction contractor.

3.2.5 Impact of Resource Consumption and Mitigation

Increase in Water /Electricity/ Fuel Consumption due to construction work may limit the available resources in the area. Following mitigation measures are proposed:

1. The workers will be trained on optimal/ sustainable use of water.
2. Visual inspections will be carried out for leaks and water usage.
3. Installation of solar panels is recommended, if recommended by the project for electricity the considering terrain of Balochistan;
4. Provision of Low Voltage electrical appliances will be preferred and accordingly will be included in the procurement procedures;

3.2.6 Impact of Natural Hazards and Mitigation

The project areas are prone to natural disasters including earthquakes. Following mitigation measures are proposed:

1. Building Codes of Pakistan with Seismic provision and international bestpractices will be made part of construction contractors' agreement for designing buildings according to earthquake zones;
2. Provision of structural engineering measures like shear walls, braced frames, moment resisting frames shall be ensured, if required, at the sub-project design level.
3. Inclusion of emergency exits and alarm system in building design.
4. Siting the project interventions appropriately to avoid flood prone areas/routes.

3.2.7 Impact on Biodiversity/Ecosystem and Mitigation

None of the sub-project activities will be carried out within the sensitive areas as per Balochistan Environmental Protection Act and Forest and Wildlife Protection Act. The business enterprises are expected to be established at a reasonable distance from critical and sensitive receptors including reserve forests, national parks, wetlands, marine protected areas and wildlife sanctuaries. Similarly,

The livestock facilities are proposed to be constructed and rehabilitated within the premises of Livestock departments at targeted districts. The selected sites are away from sensitive habitats present within the

project districts. The construction activities do not require tree cutting and vegetative clearing. The following mitigation measures are proposed to minimize adverse impact to the biodiversity/ecosystem:

1. Ensure construction activities do not take place in protected areas or notified forests;
2. Ensure wood used for construction has not been sourced illegally from protected areas and notified forests;
3. Incorporate technical design measures to minimize unnecessary removal of trees and vegetative cover;
4. Compensatory planting of eight trees shall be planted against each fallen tree of similar floral function.
5. Use of invasive/ exotic species for shall be disallowed and native species will be recommended for plantation.

3.2.8 Occupational Health & Safety

The construction phase will include various activities such as; construction and rehabilitation of Livestock facilities (Small Dairy & Poultry units), which includes earth work, plastering, concrete work, bricks work, steel work, paint work, and manual handling during loading and unloading operations. The use of machinery and handling of hazardous waste and chemicals may result in health impacts for workers on the construction site. Physical injuries and biological hazards related to the site may impact the workers. The potential impacts that can occur during the construction activities are presented below:

Activity	Potential Impact (<i>in Worst Case</i>)
Earthworks	Ill health due to dust or injury following an accident caused due to poor visibility
Use of hazardous substances	Ill health/injury from improper handling
Manual handling	Injury from improper lifting
General site works	Injury from slips and trips
Working at height	Injury/death from fall during the construction, installation works.
Operation of construction plant/machinery	Injury

The following mitigation measures are proposed:

- 1.
2. Health kits, first aid kits and emergency medical supplies shall be made available at construction sites. Identification of location of the nearest medical facility to the construction sites and accessibility will be ensured;
3. Provision of clean drinking water will be ensured for the construction crew;
4. Toilets for workers (separate for men and women if required) will be established at each construction site with provision of water and proper mechanisms of wastewater disposal.
5. Hygiene inspections will be carried out to avoid disease epidemic;
6. Provision of security and tracking of workers shall be ensured by the Contractor
7. The provision of the supply of personal protective equipment shall also be mandatory for all staff and visitors.
8. In case of unlikely incidents (fire, vandalism) the workers will be evacuated, and emergency response and law enforcement agencies will be engaged;
9. Fire extinguishers/ fire fighting arrangements (sand buckets/ water availability etc.) will be placed at

construction sites, whereas, fire safety and emergency response training will be conducted;

10. The construction crew shall be trained by the Contractor on important aspects of workplace/confined space safety;
11. Flammables and other toxic materials will be marked and stored at the secured location;
12. Contractors' staff/workers shall be sensitised through awareness sessions and trainings on health, occupational safety and hygiene issues.

3.2.9 Impacts on Community Health and Safety and Mitigation

The construction activities and movement of heavy vehicles may impact public safety. Similarly, emissions and noise from the construction site may impact the residing communities. There might be conflict among the workers and residing communities. Child labour is likely to interfere with the child's education; be harmful to the child's health or physical, mental, spiritual, moral, or social development. Exploitative forms of forced labor can negatively impact the social fabric of the community. Activities in or near a site that has historic, religious or cultural importance may offend the local population, damage local social fabric, and generate conflict with the local community. Following mitigation measures are proposed:

1. The Contractor shall sensitize drivers operating heavy vehicles on road and pedestrian safety. Set appropriate speed limits to avoid accidents;
2. If schools, hospital and communities are present near construction sites, use of heavy vehicles on public roads will be avoided during school hours and busy hours of hospital operations. Provision of alternate routes for use by the public will be provided;
3. Placement of construction and diversion signage, particularly at urban areas and at sensitive/accident-prone spots;
4. Local labour will be hired. Local norms and customs shall be practiced for social interaction;
5. It should be ensured that there is no use of exploitative forms of forced labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation;
6. The project will ensure that no child under the age of 18 is hired to work in hazardous conditions (pesticide sprays, industrial activity); and no child under that age of 15 is hired to do any sort of physical exertive labour (general farm labour, mechanic, etc.); and no child under the age of 12 is hired for any type of labour;
7. Contractors and workers will sign a Workers Code of Conduct and will be trained on the same. This will include clauses on sexual harassment, exploitation, and abuse.
- 8.
9. For project staff and interventions, locals shall be given preferences.

3.2.10 Physical Cultural Resources and Mitigation

The location of construction activities is not close to religiously and culturally important sites. Therefore, the sub-project interventions have no impact on cultural resources.

3.2.11 Impacts on Land Acquisition and Resettlement

The proposed subprojects interventions would be executed on available land owned by the Government (Livestock Department Government of Balochistan); and as such does not have any land dispute. The land was bound by boundary wall. No land acquisition and resettlement required for the construction and rehabilitation of livestock facilities.

3.3 Impact of Operation Phase

This part of the report defines the potential environmental and social impacts associated with the operation phase of the livestock facilities. The proposed sub-projects include extension services, introduction of techniques to improve productivity. Potential environmental impacts of Livestock sector are low. Cumulative potential impacts of many livestock sub-projects in one area may include primarily include, loss of habitat, solid waste and hazardous waste generation, animal/vector-borne diseases. Following are the potential impacts with necessary mitigation measures.

3.3.1 Impacts on Land/ Ecosystems and Mitigation

The Environmental & Social Management Framework (ESMF) of the project have mentioned a number of notified forests, protected areas, and rangelands identified in the baseline of the project districts. The proposed interventions shall be carried out in Government Livestock facilities and have no impact on the land/ecosystem, protected areas, and notified forests. The livestock department manages to purchase Feed for Dairy animals from the market. No grazing activity is involved in the livestock facilities the animals will be fed through Stall-feeding. The Livestock department will ensure that livestock feed is not sourced or produced from Protected Areas and Notified Forest by the vendor.

3.3.2 Impacts on Water Resources and Mitigation

Water will be used during operation of the livestock facilities for operations such as drinking for the dairy and poultry, cleaning of the buildings and equipment, other associated facilities (toilets, storage etc.), vehicle washing and steam generation for use in the rendering process. Grease traps will be installed at the discharge points where grease can form including car washes. Waste from livestock has the potential to contaminate surface water and groundwater with nutrients, ammonia, sediment, pesticides and pathogens.

Following mitigation measures are proposed:

1. Livestock department will adopt best practices for efficient water use.
2. Reduce water use and spills from animal watering by preventing overflow of watering devices and using calibrated, well-maintained self-watering devices;
3. Potential sources of contamination from livestock waste must be located at a safe distance from groundwater and freshwater sources (hand pumps, wells, ponds, karez etc.)
4. Implement buffer zones to threatened surface water bodies, located relatively nearer to construction areas; to avoiding land spreading of manure within these areas.
5. To reduce the likelihood of oil spillage from machinery and equipment, and contamination with wastewater from facilities, proper technical condition of machinery and equipment shall be ensured.
6. All vehicles must be regularly checked, and their normal operational technical conditions shall be ensured. In case any leakage of oil or other liquid is observed, the vehicle must be moved to a paved impermeable area and be immediately fixed;
7. Regularly inspect and clean drainage ditches/ gullies;

3.3.3 Impact on Solid Waste and Mitigation

The project will provide 50 cattle (10 for each dairy unit) and 25000 layers (5000 for each poultry unit) to livestock department in all three packages. The increase in livestock will increase solid waste generated which includes waste feed, animal waste, and carcasses. Other wastes include various kinds of packaging (e.g. for feed and pesticides), unused / spoilt medications, used cleaning materials, and sludge from wastewater treatment if present (which may contain residual amounts of growth enhancers and antibiotics, among other hazardous constituents). Animal waste also contain large amount of nitrogen, phosphorus and other substances which may result in air emissions of ammonia and other gases and may pose a potential risk of contamination to surface or groundwater resources through leaching and runoff. Manure also contains disease-causing agents such as bacteria, pathogens, viruses, parasites, and prions which may also potentially

affect soil, water, and plant resources (for human, livestock, or wildlife consumption). Most of the animal waste is generated at housing, feeding, and watering locations. Solid waste and runoff from livestock can contaminate groundwater and freshwater sources. Following mitigations are proposed for compliance by the contractor(s)

- 1.
2. Where no authorized collection of carcasses is available, on-site burial may be one of the only viable alternatives, if allowed by the competent authorities. Whether onsite or offsite, the burial area has stable, low-permeability soils with sufficient physical separation from houses and water resources to avoid contamination by vapors or leachate from buried, decaying materials.
3. Design, construct, operate, and maintain waste management and storage facilities to contain all manure, litter, and process wastewater including runoff and direct precipitation;
4. Ensure that manure is applied to agricultural land only during periods that are appropriate for its use as plant nutrient (generally just before the start of the growing season).
5. Minimize travel through residential areas in order to minimize the risk of odor and noise nuisance impacts.
6. Covered vehicles will be used for the transportation of litter and hatchery waste.

3.3.4 Impacts on Ambient Air Quality and Mitigation

Ammonia gas and other sources of odour are generated primarily from animal manure and can be released directly into the atmosphere at any stage of the manure handling process, including through ventilation of buildings and manure storage areas. Ammonia gas deposition into surface waters may contribute to their eutrophication.

The follow mitigation measures are proposed:

1. Consider the siting of new facilities taking into account distances to neighbouring communities and the propagation of odours;
2. The dairy manure shall be stored temporarily at elevated open space (PCC structure 1.5 ft above ground level) and will be sold to willing local farmers for agriculture purposes.
3. Consider composting of manure to reduce odour emissions;
4. Consider installing biogas plants to make use of waste for power production;
5. Maintain proper exhaust system conditions within windows to minimise odour production during composting;
6. Ensure sheds are thoroughly cleaned, maintain a clean and tidy site, cleaning up spillages rapidly;
7. Maintain and clean/covered vehicles to reduce road vehicle odour;

3.3.5 Impact of Hazardous Substances and Mitigation

Pesticides may be applied directly to livestock or to structures (e.g. barns and housing units), and to control pests (e.g. parasites and vectors) using dipping vats, sprayers, and forgers. Pesticides and their degradation products may enter groundwater and surface water and may cause health hazards for humans as well as adverse ecological impacts. The Livestock department will ensure the implement Pest Management Plan (already in practice) for the Livestock proposed facilities. The pest management plan is attached as Annex-3.

3.3.6 Community and Beneficiary Health and Safety & Mitigation

Social impacts related to livestock-based enterprises include physical injury, biological infections and chemical hazards, use of exploitative labour and child labour, and spread of diseases. Workers may be exposed to disease-agents such as bacteria, fungi, mites, and viruses transmitted from live animals, manure, animal carcasses, and parasites. It can potentially infect communities on or in the vicinity of the farm. Potential exposures to chemicals used include dermal contact and inhalation during their preparation and application as well as ingestion due to consumption of contaminated water.

Activities in or near a site that has historic, religious or cultural importance may offend the local population, damage local social fabric, and generate conflict with the local community. Sale of unhygienic milk may have a negative impact on the health of consumers.

Mitigation measures include:

1. Safety equipment and trainings shall be given to workers by livestock department on physical hazards associated with livestock sector;
2. Facilities involved in livestock production should use a veterinary service on an annual or more frequent basis to review and assess the health of the stock and employees' competence and training;
3. Livestock experts will inform workers of potential risks of exposure to biological agents and provide training in recognizing and mitigating those risks;
4. Chemical exposures to the communities and workers should be prevented and controlled;
5. Recommended vaccination protocols, parasite controls; and medication shall be used as specified by the livestock department;
6. Provision of safe drinking water shall be made available to the workers;
7. If antibiotics are recommended, apply approved antibiotics in strict accordance with the manufacturer's and qualified professional's instructions to ensure responsible and correct use;
8. Prohibit the use of banned booster medicines to improve meat growth and milk production;
9. Ensure disposal of animal waste and effluents does not contaminate community water resources;
10. Install signage and provide communications materials on mitigation measures and best practices;
11. Beneficiaries shall be trained on and provided training materials on food safety practices and handling of dairy/poultry products that shall be consumed by communities;
12. Beneficiaries shall be trained on community health and safety mitigation measures including forced labor and child labor, and best practices on hand over of facility.

3.3.7 Impacts on Animal Health and Mitigation

Inadequate methods of livestock rearing, and irregular vaccinations may result in a loss for the beneficiary. Animal disease-causing agents can spread rapidly, especially in intensive livestock operations. Animal diseases can enter a facility with new animals, on equipment, and on people. Some diseases can weaken or kill large numbers of animals at an infected facility. In some cases, the only remedy available to an operation is to sacrifice an entire group of animals to prevent the spread of the disease to other parts of the facility or to other facilities. The procedures to protect against the spread of animal diseases will depend on the type of animal at a facility, the way diseases spread to and infect animals, and the vulnerability of the animals to specific disease. The key to developing adequate disease-prevention procedures is to find accurate information about animal diseases and how to prevent them. Some of the recommended general types of management methods to reduce the potential for the spread of animal pathogens include the following:

1. Ensure preparation of an animal vaccination and veterinary care plan for the livestock as guided by the livestock department,
2. Control farm animals, equipment, personnel, and wild or domestic animals entering the facility;
3. Sanitize animal housing areas on regular basis;
4. Identify and segregate sick animals and develop management procedures for adequate removal and disposal of dead animals;
5. Conduct trainings on the above and provide communications materials for display at the facilities and use by the beneficiaries

4. Environment and Social Management and Monitoring Plan

4.1 General

The Environmental and Social Management and Monitoring Plan (ESMMP) will safeguard environmental degradation and adverse social impacts through implementation and monitoring of identified mitigation measures. The ESMP will help ensuring to protect the environment and social situations and to comply with

country environmental and social legislation and applicable World Bank operational Policies. The Project Management and Implementation Unit (PMIU) are responsible for the screening and preparation of any safeguards instrument required in line with the project ESMF, including this ESMP. The PMIU will submit sector specific ESMP and related safeguard documents to the World Bank prior to implementation of sub projects for approval and clearance to maintain the quality control and consistency. After conducting the general and site specific screening (checklist given in annexure-6) the PMIU have out-lined sector specific ESMP for the contractor and sub-project executing agency. The Contractor of respective package (1,2 & 3) is responsible for the implementation of this ESMP.

Before the implementation of construction work, the contractor will ensure the environmental and social safeguard requirements as mentioned in this Environmental and Social Management Plan (ESMP). Each contractor will address all risks related social, environmental and health & safety. The Contracts shall ensure that civil works are operating satisfactorily and that problems are being dealt with swiftly. These will be submitted to the PMIU.

This will include the following:

- The format of a monthly report which reviews the Contractor's compliance with the environmental and social requirements of this ESMP.
- Details of the records to be kept demonstrating compliance with safeguards.
- Monitoring checklists as given in annexure-2 for day-to-day monitoring with safeguards.
- A plan for day-to-day monitoring of the site and identification of staff responsible for this
- Proposed actions to be taken to correct non-compliances noted by the PMIU.
- Internal reporting channels for non-compliances

To ensure the successful implementation of an ESMP, monitoring and supervision are considered effective tools. The level of monitoring and supervision must be appropriate. These measures are mean to reduce the risks and impacts and ensure compliances with the requirements and the procedures for documentation, reporting, and feedback on the outcomes of corrective and preventive action.

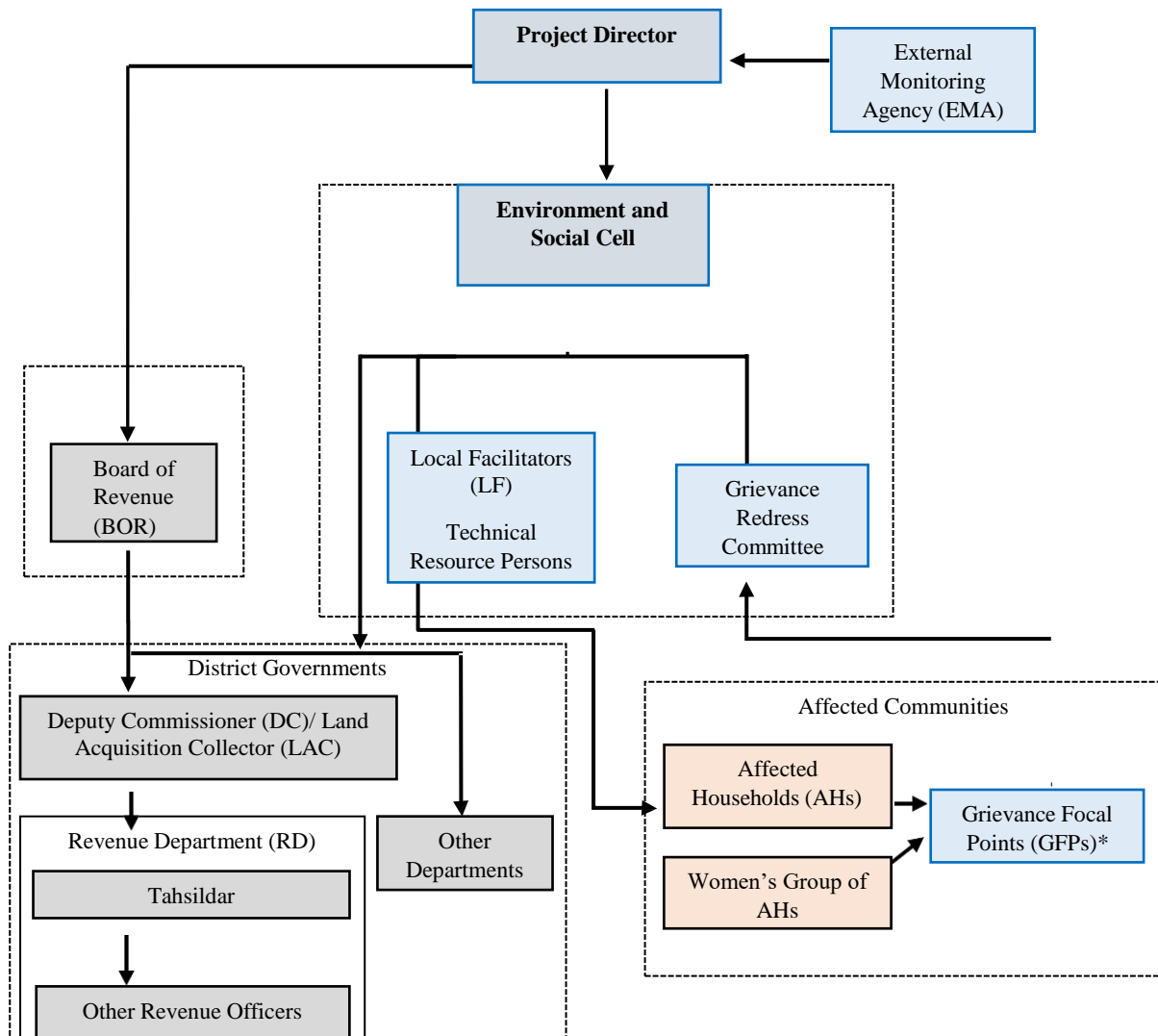
4.2 ESMP Review and Approval

PMIU has prepared this sector specific ESPM in accordance with the guidelines mentioned in the project ESMF. The ESMP and related safeguard documents will be submitted to the World Bank prior to implementation of sub projects for approval and clearance to maintain the quality control and consistency. The implementing agency will implement the projects in close coordination with the relevant line departments, local governments, and political agents. The implementing agency will be responsible for applying the safeguard screening and mitigation requirements to its own sub-projects. It should also be ensured that other necessary NOCs (PHED, EPA etc,) should also be obtained from all other departments before commencing works of any sub-project. This section defines the organizational roles and responsibilities of the key players in the project and provides a mechanism for implementation of the ESMP.

4.3 Institutional Arrangements for the ESMP

The ESMP will be implemented under the overall supervision of PMIU. The designated Head of Office (HoP) and Project Coordinator will be the overall in-charge of the Project. The HoP and PC is supported by the sector experts in the overall project activities and also supported during Environmental and Social Management Plan (ESMP) implementation by Environmental and Social Cell (ESC) established within PMIU. The Environment and Social Cell will be accountable and responsible for the implementation of the ESMF and sector specific ESMP. The Cell will implement, monitor and report ESMP through the Environmental specialist, Social Safeguards Specialists and the Gender Specialist. An organogram of institutional arrangements is presented in Figure 5.

Figure 5: Institutional Arrangement for ESMF/ESMP Implementation



4.3.1 Role of Environmental and Social Cell

Environment Safeguards Specialist will ensure the implementation of mitigation related to environmental impacts in ESMP. The Social Safeguards Specialist will ensure implementation of social safeguards related measures defined in ESMP. The Gender Specialist will ensure gender mainstreaming and implementation of the Gender Action Plan at the PMIU, contractor and community level. The specialists will be assisted by Local Facilitators and Technical Resource Persons for continuous monitoring of activities on field. PMIU will be responsible for hiring of Construction Contractor and supervision of contractors work on the sites in accordance with ESMPs. Roles and responsibilities of the designated Specialists and project team have been detailed in **Table 4** on next page.

Table 4. Roles and Responsibilities

Organization	Position	Responsibility
PMIU	Project Director	Ensure ESMF/ESMP Implementation
PMIU	Environment Safeguards Specialist	<ul style="list-style-type: none"> • Carry out environmental screening (checklist given in annexure-6) of enterprises and facilities as defined in ESMF/ESMP; • Coordinate preparation of sector specific ESMPs; • Ensure that the construction contracts include clauses for ESMP implementation; • Ensure implementation of the ESMPs during various stages of design and construction; • Certify timely and robust environmental monitoring in the field by local facilitators and technical resource persons; • Ensure that environmental trainings are planned and implemented; • Overall monitoring and reporting of environmental impacts; • Commission annual third-party validations of the project; • Prepare Environmental Bi-Annual Progress Reports for the project.
PMIU	Social Safeguards Specialist	<ul style="list-style-type: none"> • To carry out the screening of the enterprises and facilities with respect to the social aspects as defined in the ESMF; • Monitor and check the proper implementation of all social mitigation measures as suggested in ESMF/ESMPs; • Monitoring and evaluation of social related matters of the project and maintain a social complaint register to document social issues; • Certify timely and robust social monitoring in the field by local facilitators and technical resource persons • Ensure inclusion of ESMP guidelines in project designs. • Screen sub-projects for Involuntary Resettlement, gender focus and citizen engagement • Ensure Resettlement Policy Framework (RPF) is implemented and RAP is prepared if required • Remain the focal point for managing the project GRM, and maintain analysis and reports on types of complaints received, resolved, time taken to action, etc.

		<ul style="list-style-type: none"> • Prepare Required Reports biannually.
PMIU	Gender Specialist	<ul style="list-style-type: none"> • Ensure implementation of all gender related mitigation measures within the Environmental and Social Management Framework (ESMF) of the Project at the PMIU, consultants, contractor and community level • Ensure a relevant, practical and easy to implement Gender Action Plan and structure is in place and applied • Ensure gender-based inclusion of beneficiaries in the project interventions • Provide technical lead to the field teams regarding gender mainstreaming activities of the project • Monitor and report the implementation of responsibilities of respective stockholders based on Gender Action Plan. • Prepare training plans for staff and stockholders regarding fundamental concepts of Gender Action Plan. • Train the Local Facilitators in gender mainstreaming for project interventions. • Coordinate and monitor the beneficiary selection process for various project activities under a developed gender criterion. • Linkages development with NGOS and public-sector entities working on empowerment of women and marginalized segments of society. • Ensure the grievance redressal mechanism (GRM) is gender friendly • Keep track of gender related grievances reported by M&E consultants for resolution. • Provide assistance and advice to field staff for resolving grievances related to gender arising on account of project implementation • Collect analyses and interpret field data regarding gender aspect of the project initiatives.
PMIU	Role of Local Facilitators and Technical Resource Persons	<p>The project will rely heavily on local facilitators and technical resource persons who will be representing the project at the community level. While LFs will provide communities with overall support, the TRPs will provide specialized business development support to entrepreneurs supported through the project.</p> <ul style="list-style-type: none"> • The roles and responsibilities will include; • Formation of new groups and revitalization/reactivation of existing groups;

		<ul style="list-style-type: none"> • Attending meetings in order to help beneficiaries and the project in monitoring performance; • Monthly reporting to PMIU; • The Local Facilitators and Technical Resource Persons will collect data from the field on a monthly basis, including compliance with environmental and social safeguards. These facilitators will be trained by the PMIU staff to perform these duties.
PMIU	Third Party Monitoring consultants	<ul style="list-style-type: none"> • Evaluation of ESMF/ESMP implementation

4.3.2 Role of Livestock Department (Owner of the Livestock Facilities)

With the assistance of PMIU, Livestock department will ensure compliance with mitigation measures that have been proposed in the ESMP in all operations related to livestock facilities.

4.3.3 Role of Construction Contractor

The Contractor of each respective package will be overall responsible for the implementation of the ESMP. The Contractor will be responsible for environmental protection liabilities under the Balochistan Environmental Protection Act (2012), World Bank's Environmental and Social safeguard policies, and relevant ESMF/ESMP provisions. The Contractor will also be responsible for better communication and training of his crews for the implementation of the ESMP.

The Contractors specific responsibilities will include the following:

- Implement mitigation measures given in this ESMP.
- Monitoring their compliance with environmental and social requirements.
- Produce a monthly report to the PMIU, which reviews the Contractor's compliance with this ESMP and identifies any problems related to E&S safeguards.
- Provision of security to the Contractor's staff will be responsibility of respective Contractor.
- Provide access of E&S record to PMIU for compliance monitoring.

4.4 Contractor's Staff for Implementation of ESMP

The contractor will provide a curriculum Vitae to PMIU (for approval) for staff appointed/notified to the position of E&S supervisor. The candidate must have 3 to 5 years of work experience in the implementation, monitoring and reporting of E&S compliances.

4.5 Environmental Code of Practices

The objective of preparation of the Environmental Code of Practices (ECoP) as given in annexure-5 is to address less significant environmental impacts and all general construction related impacts for the proposed sub-project. The ECoPs will provide guidelines for best operating practices and environmental management guidelines to be followed by the contractors for sustainable management of all environmental issues. This ECoP will be annexed in the general conditions of all the contracts to be carried out under the sub-project.

4.6 Training Plan

The Contractor shall implement training plan as mentioned in this ESMP. The training plan details the program for the delivery of training, demonstrating the training shall be carried out initially at the induction of staff and repeated intermittently throughout the project.

Details are given in Table-5 given below.

Areas of Training	Key Aspects to be Covered	Target Group	Frequency	Budget.
Trainings to be conducted by PMIU				
Environment, Social and Involuntary Resettlement	<p>a. Environmental and social awareness;</p> <p>b. Key environmental and social issues associated with the project and subprojects ESMPs findings;</p> <p>c. Subproject monitoring and reporting;</p> <p>d. Occupational Health and Safety Issues associated with Construction.</p> <p>e. Grievance Redress. Mechanism implementation</p> <p>f. Sexual Exploitation, Abuse and Harassment (SEAH) and Gender Based Violence (GBV)</p> <p>g. Workers Code of Conduct</p>	Contractor and PMIU staff and other stakeholders	Before project/physical works commencement, during construction and after construction.	Total eight trainings are to be conducted throughout the life of sub-projects. Each training will cost about 50,000 rupees. Total Budget is 400,000.
Trainings to be conducted by the Contractor				
E & S Safeguards	<p>h. Implementation of ESMP</p> <p>i. OHS, Emergency response and waste management</p> <p>j. Code of conduct for Contractor's personal</p>	Contractor's staff Sub-contractors	Before and during construction	Total 18 sessions in all 3 packages. Each session will cost 10,000 PKR. Total Budget is

Areas of Training	Key Aspects to be Covered	Target Group	Frequency	Budget.
				180,000 PKR

4.7 Monitoring & Reporting

This section presents the monitoring and reporting (M&R) system which is a continuous process of collecting, collating and analyzing information about the progress of ESMP implementation and a tool for identifying strengths and weaknesses of the process.

5.8.1 Internal Monitoring

Implementation of ESMP activities will be internally monitored by the Environmental and Social Safeguards Specialists at PMIU, Local Facilitators and Technical Resource Persons on a regular basis. Project Director will ensure that mitigation measures which require administrative approval remain under his/her direct reporting. In addition, Monitoring and Evaluation Officer can also be requested to conduct random monitoring of supported enterprises during visits. Monitoring reports by M&E Officer, Local Facilitators and Technical Resource Persons will be submitted to the Environmental and Social Safeguard Specialists in PMIU for necessary corrective action. The objectives of the internal monitoring will be to:

- Monitor the timely progress of key activities;
- Verify the compliance with safeguard measures proposed in the /ESMP.;
- Document and disclose the monitoring results and identify necessary corrective and preventive actions in the periodic monitoring reports (format of monthly progress report given in annexure-3);
- Follow up on the corrective and preventive actions to ensure progress toward the desired outcomes.

Monitoring will be divided into Compliance monitoring and Effect monitoring.

Compliance monitoring represents the majority of the monitoring during the construction and handing over. PMIU staff will be responsible for monitoring of the contractor's compliance with this ESMP and will monitor the implementation of the mitigation measures. PMIU will complete monitoring within the scheme area using sector specific monitoring checklist (given in annexure-2) and will engage BLEP district teams present on-site for daily monitoring who will report directly to the environmental & Social safeguards specialists at PMIU.

Effects Monitoring will be carried out by PMIU staff and M&E consultants of various environmental and social parameters quarterly to evaluate the performance of this ESMP. The following parameters are to be monitored mostly through visual observations:

- Monitoring of Noise levels at fixed locations during the construction phase
- Monitoring of ambient air quality during the construction phase;
- Health and safety of Contractors personnel.
- Monitoring for waste management and sanitary waste disposal.
- Monitoring labor management in the project area such as the process of hiring skilled and unskilled labor from the local community or other areas, no labor rights are affected, contractor's training plan is implemented accordingly, no GBV or sexual exploitations are taken place, rights of women and children or any vulnerable groups are not affected.
- Monitoring of community health and safety measures
- Monitoring of overall GRM mechanism developed in the project such as their functional committees, a database of grievances received from the communities in soft and recorded in hard in database register in writing or verbally and follow-ups status.

Monitoring responsibility and frequency are given in the below Table. 6

Monitoring Responsibility		Frequency
1	LF/TRP	Monthly
2	Environmental Safeguards Expert	Quarterly
3	M&E Officer	Quarterly

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5.8.2 External Monitoring

As guided by the ESMF, the external monitoring will be used to ensure that project activities are being conducted while complying this ESMP. This will be done through ESMP as a Third Party Validation (TPV) exercises, conducted through an independent monitoring agency will be carried out on annual basis to evaluate the overall compliance of the ESMF and ESMPs, implementation progress, and to ensure that the mitigation measures are implemented as per the mitigation plan. In case of any deviation, corrective actions will be taken where necessary. For the TPV, environmental and social consultants with relevant expertise and previous experience will be engaged. The PMIU may hire the services of environmental or social experts (consultants), if required, to address issues related to environmental and social impact mitigation or non-conformity that emerge from monitoring activities.

5.9 Noncompliance and Corrective Measures

The Contractor will be notified of any violations with this ESMP, as well as any corrective actions required. The payment of the mobilization bill item will not be paid to the contractor until the following conditions have been met.

- Provision of contractor's staff CV for review and approval of PMIU.
- The availability of the Contractor's nominated ESMP staff will be made full time on site.

Where the contractor fails to comply with this ESMP, payments will be deducted from the relevant bill item each month. The percentage deduction from these bill items will be based on the percentage compliance as measured through monthly monitoring checklists given in annexure-2.

The following stages will be performed, relating to the increasing severity of ESMP non-compliances.

Stage 1 PMIU discusses the problem with Contractor to work out mitigations together and record the facts and the decision implemented.

Stage 2: A more serious infringement is observed and PMIU notifies the Contractor of the issues in writing, with a deadline by which the problem must be rectified. All costs will be borne by the Contractor.

Stage 3: PMIU will order the Contractor to suspend part, or all, of the works. The suspension will be enforced until the offending party, procedure, or equipment is corrected and/or remedial measures put in place if required. No extension of time will be granted for such delays and all costs will be borne by the Contractor.

Stage 4: Breach of contract - One of the possible consequences of this is the removal of a Contractor and/or equipment and/or the termination of the contract. Such measures will not replace any legal proceedings that PMIU may institute against the Contractor.

5.10 Reporting Requirements

5.10.1 Meetings

An initial meeting will be held to set out the format for the regular meetings. This meeting will be held before the commencement of the works, following the contract award. The meeting will be attended by

PMIU, M&E, and the contractor. In addition to the meetings above, PMIU will monitor or check the compliance status of contractor commitment on social, environmental, health, and safety-related issues.

5.10.2 Communications

Most communications between PMIU and the contractor will be verbal on site. Where such verbal communication proves to be ineffective for an issue, the environmental team of PMIU will issue a formal instruction to the contractor under the civil works contract.

5.10.3 Reporting Frequency

The Contractor and PMIU will produce monthly reports, based on the daily progress and compliance monitoring; while detailing the compliance level and non-compliance with this ESMP. The distribution list of reports is given in the below table.

Table 6: Distribution of Periodic Reports

S#	Report	Prepared by	Frequency	Reviewed by	Distribution
1.	Monthly Contractor's ES Mitigation and Management Compliance Report ¹	Contractor's Environmental Coordinator /Officer	Monthly	ES PMIU	PMIU
2.	Monthly M&E ESMP Monitoring Report	PMIU	Monthly	ES PMIU	HoP/PC PMIU
3.	Quarterly ESMP Progress Report	PMIU	Quarterly	ES PMIU	PMIU and World Bank by PMU

¹ The contractor of each respective package

5.11 Environment and Social Management and Monitoring Plan

The following table includes details of the mitigation and monitoring activities with relative agencies responsible for those actions during the implementation of this ESMP.

Table. 7 Environmental and Social Management and Monitoring Plan (Construction Phase)

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
Construction Phase					
Air Quality	Decline in ambient air quality and increase in noise levels and vehicular emissions due to construction activities in project district	<ol style="list-style-type: none"> 1. Partition sheet/fence (Barricade tape) will be installed at construction site, as per advise of the PMIU Environment Specialist . 2. On-site mixing shall be carried out at enclosed space, cement, lime powder and other construction materials shall be stored at storage yard or tightly covered. Discrete materials such as sand and soil must be covered, the building materials to be loaded, unloaded and/or handled shall be covered, closed or sprinkled with water, and none of them shall be thrown or spread into the air; 3. Water sprinkling will be ensured where required to avoid dust. 4. Materials to be transported shall be covered or transported by enclosed vehicles, routes of transportation vehicles shall avoid residential areas 	<p>Physical and visual inspections.</p> <p>Monitoring report</p>	Monthly	<p>Project Management Implementation Unit (PMIU)</p> <p>Construction Contractor</p>

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
		<p>and other environmentally sensitive areas, and vehicle speed shall also be limited;</p> <p>5. The contractor should use well maintained vehicles and equipment for construction activities to avoid gas emissions.</p>			
Water Quality	Deterioration of water bodies due to sewerage and effluent disposal	<ol style="list-style-type: none"> 1. The contractor will develop soaking pond in order to re-use the waste water produced during construction (if any) for soaking the bricks and curing of plaster. 2. The domestic waste water produced by (if any) will be discharged into the existing wastewater pipelines or septic tanks; 3. Within the construction site, all solid wastes will be stored in the designated waste points/bins and waste disposed of regularly. The waste will be transported to municipal disposal points, as and when required. 4. Site locations very close to drainage ditches/ culverts shall not be used for construction material storage and temporary accumulation of construction waste. 	<p>Physical and visual inspections.</p> <p>Monitoring report</p>	Monthly	<p>Project Management Implementation Unit (PMIU)</p> <p>Construction Contractor</p>

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
		5. Machinery and equipment will only be washed in designated areas within each construction site.			
Noise	Increase in noise level is expected due to construction activities	<ol style="list-style-type: none"> 1. The use of high noise generating equipment such as a percussion piling machine or pneumatic hammer shall be prohibited; 2. The working time and construction schedule must be arranged rationally, construction contractor shall make reasonable arrangements to ensure machinery is not used during night time near residential areas 3. To the extent possible, route heavy-truck traffic away from residences and other sensitive receptors 4. The pressure horns will not be allowed while passing through or near communities. 5. The contractor shall train the operators of construction equipment on potential noise problems and the techniques to minimize noise levels. 6. In the case of concrete pouring, if it is inevitable to work in the night or late hours, the contractor will seek special permission from engineer before carrying concrete. 7. The ECOPs (given in annexure-5) 	<p>Physical and visual inspections.</p> <p>Monitoring report</p>	Monthly	<p>Project Management Implementation Unit (PMIU)</p> <p>Construction Contractor</p>

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
		guideline will be annexed in the general conditions of all the contracts for compliance during implementation			
Solid Waste	Improper solid waste disposal can result in increased air pollution through burning of waste, vector borne diseases, contamination of water sources and ambient aesthetics for surrounding communities. The impacts are likely to be high.	<ol style="list-style-type: none"> 1. Excess construction material waste (if any) shall be minimized through careful planning by the contractor; 2. Construction waste could be reused as fill material.. 3. Any waste produced by the construction workers (Domestic waste) may be collected and transported to the municipal disposal sites . 4. The Contractor will ensure domestic waste is not burnt or dumped into forests, streams or natural water bodies. 5. In absence of disposal system, the waste will be segregated at source into kitchen waste, plastic, glass, paper and metal separately. The kitchen waste will be composted with and all other dry waste shall be given to the local dealers for reuse and recycling; 6. Construction workers will be trained on segregation, storage and disposal of domestic and hazardous waste; 7. Hazardous material listed in the World Bank Guidelines and 	<p>Physical and visual inspection by the the site engineer and BLEP staff.</p> <p>Monitoring Report</p> <p>List of hazardous substance</p>	Monthly	<p>Project Management Implementation Unit (PMIU)</p> <p>Construction Contractor</p>

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
		Hazardous Substances Rules 2000 shall not be used in construction. It will be ensured through contractual binding with the construction contractor.			
Resource Consumption	Increase in Water /Electricity / Fuel Consumption due to project activities promoting businesses	<ol style="list-style-type: none"> 1. The workers will be trained on efficient use of water; 2. Visual inspections will be carried out for leaks and water usage. 3. Installation of solar panels is recommended for electricity considering terrain of Balochistan; 4. Provision of Low Voltage electrical appliances will be ensured. 5. 	Physical and visual inspection by the the site engineer and BLEP staff. Monitoring Report	Monthly	Project Management Implementation Unit (PMIU) Construction Contractor
Natural Hazards		<ol style="list-style-type: none"> 1. Building Codes of Pakistan with Seismic provision and international best practices will be used for design purposes. 2. Provision of structural engineering measures like shear walls, braced frames, moment resisting frames. Inclusion of emergency exits and alarm system in building design. 	Earthquake resistant building design certificate.	At design stage	Project Management Implementation Unit (PMIU) Design firm
Biodiversity/Ecosystem	There are number of biodiversity sensitive areas, endangered	<ol style="list-style-type: none"> 1. Ensure construction activities do not take place in protected areas or notified forests; 2. Ensure wood used for construction has not been sourced illegally from protected areas and notified forests; 	Monitoring Report	Monthly	Project Management Implementation Unit (PMIU) Construction

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
	species and habitats in the project districts	<ol style="list-style-type: none"> 3. Incorporate technical design measures to minimize unnecessary removal of trees and vegetative cover; 4. Compensatory planting of eight trees shall be practices against each fallen tree of similar floral function; 5. Use of invasive/ exotic species for shall be disallowed and native species will be recommended for compensatory plantation. 6. 			Contractor
Workers Health and Safety	Use of heavy machinery and handling of chemicals by workers can result in health impacts and accidents.	<ol style="list-style-type: none"> 1. Health kits, first aid kits and emergency medical supplies shall be made available at construction sites. Identification of location of the nearest medical facility to the construction sites and accessibility will be ensured; 2. Provision of clean drinking water will be ensured for the construction crew; 3. Hygiene inspections will be carried out to avoid disease epidemic; 4. Toilets for workers (separate for men and women if required) will be established at each construction site with provision of water and proper mechanisms of wastewater disposal. 5. Fire extinguisher will be placed at construction sites, whereas, fire safety and emergency response 	<p>Physical and visual inspection by the site engineer and BLEP staff.</p> <p>Monitoring Report</p> <p>Complaint/Accident Record</p>	Monthly	<p>Project Management Implementation Unit (PMIU)</p> <p>Construction Contractor</p>

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
		<p>trainings will be conducted;</p> <p>6. The construction crew shall be trained on important aspects of workplace/confined space safety;</p> <p>7. Construction machinery operators and drivers shall be trained to avoid associated accidents with inappropriate use of machines and vehicles;</p> <p>8. Flammables and other toxic materials will be marked and stored at secured location;</p> <p>9. First aid kits will be kept at randomly moving vehicles\machinery;</p> <p>10. Provision of useful Personal Protective Equipment (PPE) will be given to workers such as gloves, vests, hard-hats, masks etc.</p>			
Community health and safety	<p>The project is not going to finance large scale infrastructure. However the construction activities and movement of heavy vehicles may impact public safety.</p>	<p>1. Sensitize drivers operating heavy vehicles on road and pedestrian safety. Set appropriate speed limits to avoid accidents;</p> <p>2. If schools, hospital and communities are present near construction sites, use of heavy vehicles on public roads will be avoided. Provision of alternate routes for use by the public;</p> <p>3. Placement of construction and diversion signage, particularly at</p>	<p>Physical and visual inspection by the the site engineer and BLEP staff.</p> <p>Monitoring Report Complaint/Accident Record</p>	Monthly	<p>Project Management Implementation Unit (PMIU)</p> <p>Construction Contractor</p>

Activity/Aspect	Impacts	Mitigation Measures	Monitoring Indicators	Frequency	Responsibility
	Similarly emissions and noise from the site may impact the health of residing communities	<p>urban areas and at sensitive/accident-prone spots, in accordance to a Public Safety Plan;</p> <p>4. For project staff and interventions, locals shall be given preferences.</p> <p>5. Contractors and workers will sign a Workers Code of Conduct and will be trained on the same. This will include clauses on sexual harassment, exploitation, and abuse.</p>			

Table. 8 Environmental and Social Management and Monitoring Plan (Operation Phase)

Aspect/Impact	Mitigation Measures	Responsibility	Monitoring Indicators	Frequency
Operational Phase				

Aspect/Impact	Mitigation Measures	Responsibility	Monitoring Indicators	Frequency
Land/Ecosystem	<ol style="list-style-type: none"> 1. Before converting land for livestock production ensure that it is not located in a Protected Area or Notified Forest; 2. It should be ensured that any natural or modified habitat to be converted for livestock production does not contain critical habitat, including known habitat of critically endangered or endangered species, or important wildlife breeding, feeding, and staging areas; 3. The use of fences, buffer strips or other physical barriers shall be practiced to prevent animals' access to surface water bodies; 4. Ensure livestock feed is not sourced or produced from Protected Areas and Notified Forest. 5. Open grazing and browsing of livestock shall only be allowed using the principles of Rotational Grazing. This is an exercise to divide rangeland/grasslands/pastures into rotation zones based on abundance of vegetation, to restrict overuse of one particular rangeland/grassland/pasture. 6. Livestock trails shall be used for movement to reduce soil trampling and gully formation / erosion near streams; 7. There should be minimum disturbance to surrounding areas when managing livestock. 	Livestock department	Monitoring reports visual inspection	Monthly
Water Resources	<ol style="list-style-type: none"> 1. Best practices will be adopted by Livestock department for efficient and optimal use of water. ; 2. Reduce water use and spills from animal watering by preventing overflow of watering devices and using calibrated, well-maintained watering devices; 3. Potential sources of contamination from livestock waste must be located at a safe distance from groundwater and freshwater sources (hand pumps, wells, ponds, karez etc.) 4. Implement buffer zones, if required for relatively nearer surface water bodies to the construction sites, for avoiding land spreading of manure within these areas. 	Livestock department	Monitoring reports visual inspection	Monthly

Aspect/Impact	Mitigation Measures	Responsibility	Monitoring Indicators	Frequency
Solid Waste	<ol style="list-style-type: none"> 1. Livestock will adopt best practices for Solid Waste Management. 2. Where no authorized collection of carcasses is available, on- site burial may be one of the only viable alternatives, if allowed by the competent authorities. Whether onsite or offsite, the burial area have stable, low-permeability soils with sufficient physical separation from houses and water resources to avoid contamination by vapours or leachate from buried, decaying materials. 3. Design, construct, operate, and maintain waste management and storage facilities to contain all manure, litter, and process wastewater including runoff and direct precipitation; 4. Ensure that manure is applied to agricultural land only during periods that are appropriate for its use as plant nutrient (generally just before the start of the growing season) 	Livestock department	Monitoring reports visual inspection	Monthly
Air Quality	<ol style="list-style-type: none"> 1. Consider the siting of new facilities taking into account distances to neighbours and the propagation of odours; 2. The dairy manure shall be stored temporarily at elevated open space (PCC structure 1.5 ft above ground level) and will be sold to local farmers for agriculture purposes; 3. Consider composting of manure to reduce odour emissions; 4. Consider installing biogas plants to make use of waste for power production 	Livestock department	Monitoring reports visual inspection	Monthly
Hazardous Substances	<ol style="list-style-type: none"> 1. If pesticides are used, implement Integrated Pest Management Plan (already developed by Livestock department and given in annexure-4 in this document). 2. Avoid the use of pesticides that fall under national Hazardous Substances Rules 2000, World Health Organization Recommended Classification of Pesticides by Hazard Classes 	Livestock department	Monitoring reports visual inspection	Monthly

Aspect/Impact	Mitigation Measures	Responsibility	Monitoring Indicators	Frequency
	1a and 1b, Pesticides by Hazard Class II and Annexes A and B of the Stockholm Convention, except under the conditions noted in the convention			
Social Impact: Community health and safety, Workers Health and Safety	<ol style="list-style-type: none"> 1. Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector; 2. Facilities involved in livestock production should use a veterinary service on frequent basis to review and assess the health of the stock and employees' competence and training; 3. Inform workers of potential risks of exposure to biological agents and provide training in recognizing and mitigating those risks; 4. Chemical exposures to the communities and workers should be prevented and controlled; 5. Recommended vaccination protocols, parasite controls; and, medication shall be used; 6. Provision of safe drinking water shall be made available to the workers; 7. Prohibit the use of banned booster medicines to improve meat growth and milk production 8. Ensure production and storage areas for milk and egg follow quality standards used by Balochistan Food Authority; 9. Ensure disposal of animal waste and effluents does not contaminate community water resources; 10. Install signage and provide communications materials on mitigation measures and best practices; 11. Beneficiaries shall be trained on and provided training materials on food safety practices and handling of dairy/poultry products that shall be consumed by communities; 12. Beneficiaries shall be trained on community health and safety mitigation measures including forced labor and child labor, and best practices on hand over of facility. 	Livestock department PMIU will support Livestock department for OHS trainings (if required)	Monitoring reports visual inspection	Monthly

Aspect/Impact	Mitigation Measures	Responsibility	Monitoring Indicators	Frequency
Animal Health	<ol style="list-style-type: none"> 1. Ensure preparation of an animal vaccination and veterinary care plan for the livestock 2. Control farm animals, equipment, personnel, and wild or domestic animals entering the facility; 3. Sanitize animal housing areas; 4. Identify and segregate sick animals and develop management procedures for adequate removal and disposal of dead animals. 5. Conduct trainings on the above and provide communications materials for display at the facilities and use by the beneficiaries 	Livestock department	Monitoring reports visual inspection	Monthly

5.12 Grievance Redress Mechanism

Timely and effective redress of stakeholder grievances will contribute to bringing sustainability in the operations of a project. In particular, it will help advocate the process of forming and strengthening relationships between project management and the stakeholder community and bridge any gaps to create a common understanding, helping the project management to efficiently operate in the area. To register and resolve the grievances of the public in this process, a Grievance Redress Mechanism (GRM) will be established for the project as per the requirements of the ESMF. The proposed mechanism will be based on three-tier grievance redress committees—one at district, at PMIU and the final appellate forum is secretary P&DD level. The proposed GRM will help achieve the objectives of sustainability by dealing with the environmental and social issues of the Project in a timely manner. Details of the Project GRM are provided below and will be followed to lodge and resolve all grievances related to these packages.

The district-level GRC will be established to engage community members), officials of the livestock department (Co-opted) and district staff of PMIU to participate in the decision-making processes and to have “voices” of the aggrieved person in the grievance redress procedures. This will also enhance local ownership of the Project. Having members based in the district-level GRC will be helpful in resolving the grievances quickly often without going into lengthy documentation. The local participation () will further build local capacity in dispute resolution and decision-making. Cases which are not satisfactorily resolved or affected persons remain aggrieved, the case will then be forwarded to the Project-level GRC as the second forum for resolution of the grievances. The purpose of the GRM is to facilitate the resolving of disputes without going into litigation. In this regard, the decision of the Project level GRC can be challenged to appellate forum that is Secretary Planning & Development Department Government of Balochistan.

5.12.1 Grievance Redress Committees

The Grievance Redress Committees (GRCs) are to ensure accessibility, fairness and independence of the procedures. The GRCs will be established at two-levels:

1. District GRC, with the scope limited within the District; and
2. Project GRC, covering all the project affected districts.
3. Secretary,

The composition of the two committees is shown in the table below.

Table 9: Members of GRC

District GRC	Project GRC	Appellate Forum
District Coordinator	HOP-PMIU	Secretary P&DD
Representative of Livestock Department at District level (Co Opted member)	Focal Person GHR (M&E Specialist PMIU)	
Technical Resource Person (Female and Male)	PMIU Experts (Male and Female).	
	Member from relevant Line Department (As and when required) (Co-Opted)	

5.12.2 GRC's Scope of Work

The scope of work of the GRC shall include:

1. The District GRC will ensure that all grievances related to social and environmental issues are registered, formally recorded, reviewed, resolved and the concerned person is informed in a timely manner.
2. The Project GRC will monitor the working of the District GRC and will work as a forum for appeal against the decision of the District GRC.

3. GRC will not consider complaints related to the procurements or with any matters pending in the court of law.
4. In resolving the disputes, the GRCs would take into consideration the following:
 - Merit of the complaints/case received for consideration;
 - Evidences to take a decision on the complaint;
 - Witness statements;
 - Plausibility of the case in the light of related project activity;
 - Applicable laws, environmental guidelines of Pakistan, initial environmental examination and environmental review document of the project, and WB environmental guidelines;
 - Observations made on the field; and
 - Available information on previous complaints of similar nature.

5.12.3 Decision of GRCs

- After the decision of the GRC, the aggrieved will be informed accordingly.

5.13 Grievances Redress Procedure

The Grievance Redress Mechanism proposed here spans the entire project implementation and will cater to both the directly and indirectly affected population/beneficiaries. Though the GRM proposed here has been designed to address environmental and social problems identified during implementation, it will also cater to manage any disconnects that emerge from the field level and that has significant implications for effective implementation of the sub-project interventions. The Project Management and Implementation Unit's (PMIU) office will serve as the secretariat for the Grievance Redress Committee (GRC-Project) that will be responsible for providing oversight on the entire GRM process at a strategic level and monitoring of complaints management. Following procedure will be adopted to resolve grievances received by the GRCs. The grievance mechanism will be made public through public consultations by the concerned PMIU and Consultant.

5.13.1 Filing of Grievances to District GRC

For grievances related to environmental and social safeguards, the aggrieved person (or their authorized representatives) may file a grievance with the District-level GRC in one of the following ways:

1. Submit a written complaint to any member of the district GRC.
2. Submit a verbal complaint to any member of the district GRC with documentary proof that a complaint has been filed.
3. Given the local cultural context, any aggrieved women may submit complaints to GRCs directly.
4. For complaints registration Complaint Registration Forms will be available with the members of the district level GRC and complaints will be registered on Grievance Log.

5.13.2 Hearing and Resolution of the Cases by District GRC

The procedure for hearing and resolution of the complaint will be as follows:

1. On receipt of a complaint:
 - Focal Person of district GRC will log the complaint in a register called Complaint Register.
 - GRC have to resolve the case within 30 calendar days of the logging of the complaint.
 - If needed, request the complainant or his representative to meet the district GRC on the appointed date to discuss his complaint.
 - Prepare all the relevant information and document relevant to the complaint prior to the meeting and provide copies to all members.
2. The GRC will meet on the appointed date during which it may:

- Deliberate on the nature and circumstances of the complaint;
 - Investigate the complaint;
 - Meet with the complainant and other persons;
 - Visit the site; and
 - Take a decision.
3. If the GRC needs extra time to investigate or deliberate on the complaint, the secretary will inform the complainant of the time when a decision is expected. In any case, all complaints shall be resolved within 30 calendar days of logging.
 4. Once the complaint is resolved the focal person will document the decision and prepare full documentation on the process including minutes of meeting, photographs of visits, documents reviewed, and reasons of the decision.
 5. The GRC will ensure that the complainant is fully informed of the decision and is also informed about his/her right to appeal to the Project GRC and to the court of law.
 6. In case follow-up action is required, the chairperson of the district GRC will ensure that the actions are taken and are documented.

5.13.3 Hearing and Resolution of the Cases by Project GRC

The procedure for hearing and resolution of the complaint by the Project GRC will be as follows:

1. On receipt of a complaint from:
 - Focal person of Project GRC will request all the concerned documentation from the focal person of the concerned district GRC.
 - Contact other members of the Project GRC to conduct a meeting within 15 calendar days of the logging of the complaint to the Project GRC.
 - If needed, request the complainant or his representative to meet the Project GRC on the appointed date and place to discuss his complaint.
 - If needed, request the members of the district GRC to meet the Project GRC on the appointed date and place.
 - Prepare all the relevant information and document relevant to the complaint prior to the meeting and provide copies to all members.
2. The Project GRC will meet on the appointed date during which it may:
 - Deliberate on the nature and circumstances of the complaint;
 - Investigate the complaint;
 - Meet with the complainant and other persons;
 - Visit the site; and
 - Take a decision.
3. If the GRC needs extra time to investigate or deliberate on the complaint, the secretary will inform the complainant of the time when a decision is expected. In any case, all complaints shall be resolved within 45 calendar days of logging with the Project GRC. Once the complaint is resolved the focal person will document the decision and prepare full documentation on the process including minutes of meeting, photographs of visits, documents reviewed, and reasons of the decision.
4. The GRC will ensure that the complainant is fully informed of the decision and is also informed about his/her right to appeal to the court of law.
5. In case follow-up action is required, the chairperson of the Project GRC will ensure that the actions are taken and are documented.

5.14 Resolution of the Cases by Court of Law

GRC will make efforts to resolve the cases within their own jurisdiction. It will be discouraged to take the sub-project matters to the law courts. The complainant(s) may enter the reference in the Court of law if the PAPs are not satisfied with the decision of GRC. GRC will be responsible to cooperate with the law enforcement agencies and abide by law in case of launch of complaint in the court. GRC will also implement

the decision of courts and ensure that the procedures are revised to resolve the similar complaints through GRC in future.

5.15 Grievance Closure

The complaint shall be considered as disposed-off and closed when:

- The designated officer/authority has acceded to the request of the complainant fully;
- Where the complainant has indicated acceptance of the response in writing;
- Where the complainant has not responded to the concerned officer PMIU within one month of being intimated about the final decision of the grievance officer on his grievance/complaint;
- Where the complainant fails to attend the proceedings of the concerned officer at PMIU within the stipulated period of the disposal of the complaint; and
- Where the complainant withdraws his/her complaint.

5.16 ESMP Implementation Budget

#	Description	Unit	Quantity	Unit RatePKR	Total PKR
Package-1					
1	Implementation of Environmental and Social Management Plan (implementation of Mitigation measures for Air/Noise/Waste Management, OHS and Community health & Safety plan etc y		LS	200,000	1,800,000
2	Provision of PPEs,	PPEs	35	12,000	420,000
3	E&S Trainings to be conducted by PMIU and Contractors	Training/Orientation Sessions	8	LS	300,000
4	E&S supervisor for implementation of ESMP.	Salary	9	50000	450,000
6	Trainings of GRM committees, contractor, and PMIU staff.		LS	350,000	350,000
7	Signage and Communication material	Printing	LS	200,000	200,000
8	Contingency			150000	150,000
.	Total (Package -1)				305,000,0
Package -2					
1	Implementation of Environmental and Social Management Plan (implementation of Mitigation measures for Air/Noise/Waste Management, OHS and Community health & Safety plan		LS	200,000	1,800,000

#	Description	Unit	Quantity	Unit RatePKR	Total PKR
	etc y				
2	Provision of PPEs,	PPE set	35	12,000	420,000
3	E&S Trainings to be conducted by PMIU and Contractors	Training/Orientation Sessions	8	LS	300,000
4	E&S supervisor for implementation of ESMP.	Salary	9	50000	450,000
5	Baseline Ambient Air/Water/Noise Monitoring Tests(on the recommendation of E&S Specialist)	Test Reports		100,000,0	100,000,0
6	Trainings of GRM committees, contractor, and PMIU staff.		LS	350,000	350,000
7	Signage and Communication material	Printing	LS	200,000	200,000
8	Contingency			150000	150,000
.	Total (Package-2)				305,000,0
Package -3					
1	Implementation of Environmental and Social Management Plan (implementation of Mitigation measures for Air/Noise/Waste Management, OHS and Community health & Safety plan etc y		LS	200,000	1,800,000
2	Provision of PPEs,	PPE set	50	12,000	420,000
3	E&S Trainings to be conducted by PMIU and Contractors	Training/Orientation Sessions	8	LS	300,000
4	E&S supervisor for implementation of ESMP.	Salary	9	50000	450,000
5	Baseline Ambient Air/Water/Noise Monitoring Tests(on the recommendation of E&S Specialist)	Reports		100,000,0	100,000,0
6	Trainings of GRM committees, contractor, and PMIU staff.		LS	350,000	350,000
7	Signage and Communication material	Printing	LS	200,000	500,000
8	Contingency			150000	200,000
.	Total (Package -3)				305,000,0
	Grand Total (All Three Packages)				9,150,000

Annexes: 1 Study Team

S. No	Name of members	Responsibilities
1	Mr. Kaleemullah Khan (Environmental Safeguard Expert-PMU)	Originating ESMP. Walkthrough survey to the scheme area for screening environmental aspects Preparation of ESMP
2	Haji Abdul Wahid (Social and Agriculture Expert PMU)	Review social data of the scheme Review the social component of ESMP Origination social component of the ESMP. Field survey for social screening
3	Dr. Muhammad Iqbal (Livestock Expert PMU)	Field survey Provision of sector specific data Review the project components
4	Mr. Abdul Tariq Mr. Farrukh Ellahi (Senior Engineers - PMU)	Provision of data related to Engineering Activities Field Survey

Annexes: 2 E&S Monthly Monitoring Checklist for Livestock Facilities Monthly E&S Monitoring/Inspection Checklist (For Construction/Rehabilitation of Livestock Facilities)

Name of the Sub-Project:				Village/UC:	
				District:	
Site Location:				Weather: <i>Dry/ Wet/ Hot/ Cold</i>	
Project start date:				Project end date:	
Stage of Subproject: <i>Construction / Operation</i>				Visit/Inspection Date:	
Name of the Contractor:				Package Number:	
Sub-Project Coordinates:					
#	Environmental Impacts	Implementation?		N/A	Remarks (specify location, good practices, problem observed, possible cause of nonconformity and/or proposed corrective/preventative actions)
		Yes	No		
1.0	HEALTH & SAFETY				
1.1	Drinking water availability for laborers/employees?				
1.2	Personnel Protection Equipment (PPE) available for workers?				
1.3	Check on engaging/ employing child labor?				
1.4	Are fire extinguishers valuable and properly maintained ?				
1.5	Any accident(s) happened and incidents reported and reviewed, and corrective & preventive actions identified and recorded?				
1.6	Is any fatality recorded during the last month?				
1.7	Proper security arrangements done at work sites?				
1.8	Availability of first aid kits at work sites?				
1.9	Awareness regarding HIV/AIDS and other infectious diseases?				
1.10	Are Warning notices and signage in place?				
1.11	Are separate washrooms for men and women available?				

#	Environmental Impacts	Implementation?	N/A	Remarks (specify location, good practices, problem observed, possible cause
---	-----------------------	-----------------	-----	--

		Yes	No *		<i>of nonconformity and/or proposed corrective/ preventative actions)</i>
2.0	ENVIRONMENTAL				
2.1	<i>Air Pollution Control</i>				
2.1.1	Are the construction sites watered to minimize dust generated?				
2.1.2	Are stockpiles of dusty materials covered?				
2.1.3	Are partition sheet/fence installed around the construction site in areas close to the residing communities?				
2.1.4	Are speed control measures applied? (e.g. speed limit signs and instructions to drivers)				
2.1.5	Others (please specify)				
2.2	<i>Water Pollution Control</i>				
2.2.1	Is the domestic wastewater (if any) directed to on-site soak pit and/or septic tank?				
2.2.2	Are there any wastewater discharged to the storm drains?				
2.2.3	Is the public road/area around the site entrance and site hoarding kept clean and free of muddy water?				
2.2.4	Others (please specify)				

#	Environmental Impacts	Implementation?		N/A	Remarks <i>(specify location, good practices, problem observed, possible cause of nonconformity and/or proposed corrective/ preventative actions)</i>
		Yes	No *		
2.3	Noise Control				
2.3.1	Restriction on playing loud music at work sites?				
2.3.2	Use of pressure horn?				
2.3.3	Are training provided to the operators of construction equipment on potential noise problems and the techniques to minimize noise levels.				
2.3.4	Others (please specify)				
2.4	Waste Management				

2.4.1	Are the work sites kept clean and tidy? (e.g., litter free)?				
2.4.2	Is waste being stored onsite temporarily within a designated area?				
2.4.4	Are construction wastes and general refuse removed off site regularly?				
2.4.5	Is any type of waste being disposed-off in the open fields?				
2.4.6	Are fuels, oils and lubricants stored and labelled properly?				
2.4.7	Are proper measures to control oil spillage during maintenance of vehicles and construction machinery? (e.g., use of drip trays)				
2.4.8	Others (please specify)				

#	Environmental Impacts	Implementation?		N/A	Remarks <i>(specify location, good practices, problem observed, possible cause of nonconformity and/or proposed corrective/preventative actions)</i>
		Yes	No [*]		
2.5	Protection of Flora, Fauna and Historical Heritage				
2.5.1	Do the cutting of trees noticed at construction site ?				
2.5.2	Any hunting of animals/ birds?				
2.5.3	Any historical heritage exists on site?				
2.5.4	Others (please specify)				
3.0	Traffic Management				
3.1	Do vehicles observe speed limit?				
3.2	Does movement of all vehicles to and from construction sites restricted to designated roads only?				
3.3	Are drivers awarded careful/watchful for wild and domestic animals?				
3.4	Others (please specify)				

Monitored/Inspected by the LF/TRP or Field Engineer of BLEP:

Name _____ : _____
Designation: _____

Signature: _____ Date: _____

Reviewed by the E&S Safeguard Specialist (ESSS):

Signature: _____ Date: _____

Annexes: 3 Format of Monthly Monitoring Report

1. Introduction

2. Scope of Work

(Detail of engineering activities/progress)

3. Summary of the Non-Compliance

(This section summarizes the findings of Environmental Management Plan (ESMP) compliance monitoring completed by the PSIA under this project. Also include specific social, Environmental Health and Safety Non-Compliances observed during the monitoring month)

4. Actions Required

S#	Non-Compliance	Action Required	Pending Since	Status of Previous Month (Non-Compliance)
1	Include Particular NonCompliance Observed	Include Action Require, as per ESMP	Include Number of Months	Include so far progress made from previous month

5.Include filled monthly monitoring checklists

6.Include photographs of non-compliance during site monitoring

Annexes:4 Pest Management Plan (Livestock Department)

PEST MANAGEMENT PLAN

Pests in all forms have always been problem in Livestock causing damages due to loss in production, weight gain and spreading diseases. Some of the pests cause direct damage to health of the animals causing blood loss, hide damage and the diseases transmitted. The Livestock and Dairy Development Department, Government of Balochistan adopted various Pest Management (PM) Tools for the control of pests at their sheep/goat, dairy and poultry farms based on international best practices to improve the general living conditions, which can directly affect farm profitability.

The following PM protocols are adopted at all Dairy, Poultry and Sheep/Goat Farms of the livestock department:

Sanitation: Most of the pests need humid and moist areas for the breeding and growth. Moist manure, silage, feed, spillage of products like milk, broken eggs and others are common at farm. Therefore, proper sanitization of all the equipment, sheds and protective gear of handlers is regularly followed. Any dump and moisture is properly taken care and any such material is spread in the sun even the dung to lessen moisture thus control any breeding of pest.

Trapping: Most of the arthropods, rodents and reptiles cause damage and irritate animals at farm and the practice of placing traps in shape of sticking tapes, mouse trap at locations considered potential source of entrance to premises always work. Care is taken that animals don't have access to these traps and ropes are placed to avoid direct contact or ingestion by animals. Screens are used to avoid entrance of flies and other insects.

Organic Sprays/Repellents: Flies and insects (especially biting ones like lice) sometimes cross the barriers and irritate animals during feeding, production and rest. Sheds and animals are regularly sprayed with organic repellents approved from Drug Regulatory Authority Pakistan (DRAP) and Environment Protection Agency (EPA). All these repellents cause no damage to both handlers and animals.

Chemical Control: Sometimes, in the peak breeding, rainy and humid season other management tools and practices do not provide adequate control measures and the management must use chemical agents, approved from Drug Regulatory Authority Pakistan (DRAP) and Environment Protection Agency (EPA), with extreme care. All the animals are removed from the area for a period of 48 hours, handlers properly equipped with protective gear and the area is sprayed. It is left unoccupied till the period recommended by the manufacturer. The debris after use of any chemicals is removed to avoid any direct contact and contamination and buried under soil for proper disposal.

Annexure:5 Environmental Code of Practices (ECOP)

The Environmental Code of Practices (ECOP) has been developed for minor impact and small scale civil works interventions, such as construction and rehabilitation of livestock facilities. The ECOP ensures compliance with World Bank OP 4.01 safeguard policy and provides guidance to the planning and implementation of the mitigation measures to be carried out by the contractor during the civil works activities. The objectives of these ECoPs are to provide best guideline practices on environmental, health, and safety during the operation phase of the sub-project.

The following ECoPs be followed best practices:

- Water resource management
- Waste Management
- Management of soil quality
- Management of air quality
- Management of Noise Level
- Worker's Health and Safety

(applicable to small-scale construction/rehabilitation activities)

Activities	Environmental Management Guidelines
Noise during construction	<p>Notify affected people if/when noisy activities will be undertaken Plan activities on-site and deliveries to and from site to minimize the impact</p> <p>Plan activities in consultation with communities/stakeholders so that noisiest activities are undertaken during periods that will result in least disturbance;</p> <p>Educate the operators of construction equipment on potential noise problems and the techniques to minimize noise level.</p> <p>noise levels should be maintained within the national permissible limits/standards and limited to restricted times agreed to in the permit;</p> <p>Use noise-control methods such as fences, barriers or deflectors</p> <p>Minimize transportation of construction materials through community areas during regular working time;</p> <p>Maintain a buffer zone (such as open spaces, row of trees or vegetated areas) between the project site and residential areas to lessen the impact of noise to the living quarters</p> <p>Employ the best available work practices on-site to minimize occupational noise levels</p> <p>Avoid undertaking the noisiest activities at night near the residential areas</p>

Air Quality	<p>Minimize dust from exposed work sites by applying water on the ground regularly</p> <p>do not burn site clearance debris (trees, undergrowth) or construction waste materials</p> <p>keep stockpile of aggregate materials covered to avoid suspension or dispersal of fine soil particles during windy days or disturbance from stray animals</p>
Water quality	<p>Activities should not affect the availability of water for drinking and hygienic purposes</p> <p>Minimize the generation of sediment, oil and grease, litter, debris and any form of waste. These substances must not enter waterways, stormwater systems or underground water tables.</p> <p>No construction materials, solid wastes, toxic or hazardous materials should be poured or thrown into water bodies for dilution or disposal</p> <p>Do not discharge cement and water curing used for cement concrete directly into watercourses and drainage inlets.</p> <p>The flow of natural waters should not be obstructed or diverted to another direction, which may lead to drying up of river beds or flooding of settlements</p>
Solid and hazardous waste	<p>Collect and transport construction waste to appropriately designated/hazardous waste controlled dump sites</p> <p>Maintain waste (including soil for foundations) at least 500 meters from rivers, streams, lakes and wetlands</p> <p>Train workers on correct transfer and handling of fuels and other substances and require the use of gloves, boots, aprons, eyewear and other protective equipment for protection in handling highly hazardous materials</p> <p>Maintain all construction sites in a clean, tidy and safe condition and provide and maintain appropriate facilities for the temporary storage of all wastes before transportation and final disposal</p>
Workers Health and safety	<p>Train all construction workers in basic sanitation and health care issues (e.g. How to avoid malaria and transmission of sexually transmitted infections (STI) HIV/AIDS).</p> <p>Provide personal protective gear for workers as necessary (gloves, dust masks, hard hats, boots, goggles)</p> <p>Keep worksite clean and free of debris on daily basis</p> <p>The contractor should provide drinking water facilities to the construction workers at all the construction sites.</p> <p>Keep corrosive fluids and other toxic materials in properly sealed containers for collection and disposal in properly secured areas</p> <p>Ensure adequate toilet facilities for workers from outside of the community</p> <p>Rope off construction area and secure materials stockpiles/ storage areas from the</p>

	<p>public and display warning signs. Do not allow children to play in construction areas</p> <p>Fill in all earth borrow-pits once construction is completed to avoid standing water, water-borne diseases and possible drowning</p> <p>Each construction sub-project to have a basic first-aid kit.</p> <p>Document and report occupational accidents, diseases, and incidents.</p> <p>Provide awareness to the construction drivers to strictly follow the driving rules</p> <p>Provide adequate lighting in the construction area</p>
Soil Erosion	<p>Implement suitable design (e.g., establish appropriate erosion and sediment control measures)</p> <p>Use mulch, grasses or compacted soil to stabilize exposed areas cover with topsoil and re-vegetate (plant grass, fast-growing plants/bushes/trees) construction areas once work is completed</p>
Other	<p>No cutting of trees or destruction of vegetation other than on construction site.</p> <p>No hunting, fishing, capture of wildlife or collection of plants</p> <p>No use of unapproved toxic materials including lead-based paints, un-bonded asbestos, etc.</p> <p>No disturbance of cultural or historic sites</p>

Annexure:6 Environment & Social Screening Checklist (for Livestock Facilities)

Screening Checklist-Livestock Sector (Pishin)

Sub-projectTitle:	Construction of Layer Farm		
Sub-projectlocation(area/district/site):	Band Kushdil Khan Road District Pishin		
Coordinates:	E 30.590924 N 67.013511		
Sub-project decsription	<ul style="list-style-type: none"> • Construction of Layer Farm, Provision of Equipment (provision of 5000 Mature Pullets and laying cages for 5000 birds) • Installation of exhaust fans and cooling pads • Construction of poultry shed (141'x31'). • Rehabilitation of existing shed 70'x25' 		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	30/3/2022		
#	Screening Criteria	YES 2/N	Explanation/Remarks
A. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunitions?	No	
6	Gambling, casinos, and equivalent enterprises	No	
7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment and any equipment where the	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	

² If the response is "Yes", please provide brief explanation in next column

10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and its amendments?	No	
11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's health, or physical, mental, spiritual,	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ un-avoidable environmental and social impacts on the physical,	No	

If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.

B. Screening for Environmental Impacts

#	Screening Criteria	Yes 3/N o	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	Environmentally Controlled Layer Farm.

³ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and	No	
24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Temporary noise pollution is expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	Potential sources of contamination from livestock waste must be located at a safe distance from groundwater and freshwater sources (hand pumps, wells, ponds, karez etc.). Adequate mitigation measures for livestock waste will be prepared as part of the Livestock Sector ESMP. Ensure that manure is applied to agricultural land only during periods that are appropriate for its use as plant nutrient (generally just before the start of the growing season)
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protected area, forests, national parks or wetlands)?	No	

31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
C. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local community?	No	
37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Integrated Pest Management Plan (already developed/praticed by Livestock Department) shall be made part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected.
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonatic diseases?	Yes	Location of the proposed intervention is located in the existing facility of Livestock department. To safeguards health issues, doable mitigation measures for Occupational and Community Health and Safety shall be made part of ESMP. Recommended vaccination protocols, parasite controls; and , medication shall be used by the livestock department.

41	Will there be application of any pests for controlling vectors in animals?	Yes	Integrated Pest Management Plan (already developed/praticed by Livestock Department) shall be made part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected.
D. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as <u>women, children and disabled etc?</u>	No	
44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation. ESMP will provide simple monitoring mechanism to avoid such eventuality during sub-project execution.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Preparation of Occupational and Community Health And Safety Plan; Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in	No	

53	Are there members of community located close to project area who could benefit from this project?		Local communities of Pishin will be benefited through proposed intervention
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If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF

E. Subproject Environmental Category			
Based on the above site specific "E&S Screening"; Following is conclude:			
1. Subproject fall under the Negative List (Yes/No) No			
2. The Subproject is assigned the following Environmental Category as explained in Table:1 below:			
(Pl tick one):			
<ul style="list-style-type: none"> Category A: _____ Category B: <u> B </u> Category C: _____ 			
Table-1: Subproject Category with explanation and SG Document required to be prepared			
Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	<p>If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects.</p> <p>These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects</p>	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site-specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert: *Live Stock*

Signature: _____

Screening Checklist-Livestock Sector (Pishin)

Sub-projectTitle:	Construction of new Dairy Farm		
Sub-projectlocation(area/district/site):	Band Kushdil Khan Road District Pishin		
Coordinates:	E 30.589221 N 67.01017		
Sub-project decsription	Construction of Dairy Farm, Provision of Equipment and High Yielding Pedigreed Milking Cows.		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	30/3/2022		
#	Screening Criteria	YES ⁴ /NO	Explanation/Remarks
A. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and agreements?	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls (PCBs)	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunities?	No	
6	Gambling, casinos, and equivalent enterprises	No	
7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the radioactive source is	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and the underlying	No	

⁴ If the response is "Yes", please provide brief explanation in next column

11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified Forests?	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ un-avoidable environmental and social impacts on the physical, socioeconomic and ecological	No	

If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.

B. Screening for Environmental Impacts

#	Screening Criteria	Yes ⁵ / No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	Construction of Dairy Farm with provision of cows and latest equipment for milking.
21	Will the activity result in overgrazing of rangelands and pastures?	No	

⁵ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	
24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Noise pollution expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protect area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
C. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local	No	

37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Use of pests for controlling vectors in animals, Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected.
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonatic diseases?		Location of the proposed intervention is located with in the boundry of Livestock department, to safeguards health issues prepartion of Occupational and Community Health And Safety Plan is recomended; Recommended vaccination protocols, parasite controls; and , medication shall be used by Livestock Department.
41	Will there be application of any pests for controlling vectors in animals?	Yes	Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no
D. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	

44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Proper mitigation measure will be recommended in ESMP to minimize/mitigate risks related to Occupational and Community Health And Safety; Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had regular access?	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in the area?	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of Pishin will be benifited through proposed intervention
If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF			

J. Subproject Environmental Category

Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below:

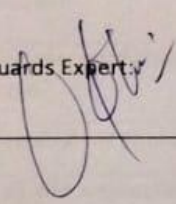
(Pl tick one):

- Category A: _____
- Category B: B
- Category C: _____

Table-1: Subproject Category with explanation and SG Document required to be prepared

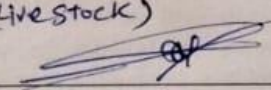
Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	<p>If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects.</p> <p>These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects</p>	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert: 

Signature: _____

Sector Expert: (LIVE STOCK)

Signature:  _____

Screening Checklist-Livestock Sector (Khanozai)

Sub-projectTitle:	Construction of Dairy Farm		
Sub-projectlocation(area/district/site):	Livestock department UC Khanozai District Pishin		
Coordinates:	E 30.597545 N 67.337916		
Sub-project decription	Construction of Dairy Farm, Provision of Equipment and High Yielding Pedigreed Milking Cows.		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	30/3/2022		
#	Screening Criteria	YES ⁶ /NO	Explanation/Remarks
A. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and agreements?	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example, heroin, hashish, opium,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls (PCBs) subject to international phase outs or bans?	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunitions?	No	
6	Gambling, casinos, and equivalent enterprises	No	
7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the radioactive source is considered to be trivial	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and the underlying regulations?	No	

⁶ If the response is "Yes", please provide brief explanation in next column

11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's health, or physical, mental, spiritual,	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified Forests?	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ unavoidable environmental and social impacts on the physical, socioeconomic and ecological environment?	No	

If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.

B. Screening for Environmental Impacts

#	Screening Criteria	Yes ⁷ /No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	New Dairy Farm will be built
21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	

⁷ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	
24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Noise pollution expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protect area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
C. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local	No	

37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Use of pests for controlling vectors in animals, Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no leachable pesticides).
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including children?	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonatic diseases?		Location of the proposed dary faom will be constructed in the existing building of the Livestock department. To safeguards health issues preparation of Occupational and Community Health And Safety Plan is recomended; Recommended vaccination protocols, parasite controls; and , medication shall be used by the Livestock department.
41	Will there be application of any pests for controlling vectors in animals?	Yes	Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no leachable pesticides).
D. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	

44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had regular access?	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in the area?	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of Pishin will be benefited through proposed intervention
If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF			

O. Subproject Environmental Category

Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below:

(Pl tick one):

- Category A: _____
- Category B: B
- Category C: _____

Table-1: Subproject Category with explanation and SG Document required to be prepared

Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects. These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert: *Live Six K*

Signature: _____

Screening Checklist-Livestock Sector (Zhob)

Sub-projectTitle:	Rehabilitation of Existing Dairy Farm		
Sub-projectlocation(area/district/site):	Livestock Dairy farm near circuit house appozai area District Zhob		
Coordinates:	E 69° 26'11" N 30°20'18"		
Sub-project decsription	Rehabilitation of Dairy Farm, Provision of Equipment and High Yielding Pedigreed Milking Cows.		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	02/6/2022		
#	Screening Criteria	YES ⁸ /NO	Explanation/Remarks
A. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and agreements?	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls (PCBs)	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunities?	No	
6	Gambling, casinos, and equivalent enterprises	No	
7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the radioactive source is	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and the underlying	No	

⁸ If the response is "Yes", please provide brief explanation in next column

11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified Forests?	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ un-avoidable environmental and social impacts on the physical, socioeconomic and ecological	No	

If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.

B. Screening for Environmental Impacts

#	Screening Criteria	Yes ⁹ / No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	Rehabilitation of Dairy Farm with provision of cows and latest equipment for milking.
21	Will the activity result in overgrazing of rangelands and pastures?	No	

⁹ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	
24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Noise pollution expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protect area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
C. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local	No	

37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Use of pests for controlling vectors in animals, Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected.
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonatic diseases?		Location of the proposed intervention is located with in the boundry of Livestock department, to safeguards health issues prepartion of Occupational and Community Health And Safety Plan is recomended; Recommended vaccination protocols, parasite controls; and , medication shall be used by Livestock Department.
41	Will there be application of any pests for controlling vectors in animals?	Yes	Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no
D. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	

44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Proper mitigation measure will be recommended in ESMP to minimize/mitigate risks related to Occupational and Community Health And Safety; Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had regular access?	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in the area?	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of Pishin will be benifited through proposed intervention
If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF			

O. Subproject Environmental Category

Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below:

(Pl tick one):

- Category A: _____
- Category B: B
- Category C: _____

Table-1: Subproject Category with explanation and SG Document required to be prepared

Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects. These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert:

Signature: _____

Screening Checklist-Livestock Sector (Zhob)

Sub-projectTitle:	Construction of New Layer Farm		
Sub-projectlocation(area/district/site):	Livestock Dairy farm near circuit house appozai area District Zhob		
Coordinates:	E 69° 25'50" N 30°20'21"		
Sub-project decription	Construction of New Layer Farm; <ul style="list-style-type: none"> • Provision of 5000 Mature Pullets • Provision of laying cages for 5000 birds • Installation of exhaust fans and cooling pads • Construction of poultry shed (141'x31'). • Construction of poultry Admin Room with washrooms 22'x17' • Construction of poultry Store/Feed Room 12'x 16' 		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	02/6/2022		
#	Screening Criteria	YES ¹⁰ /NO	Explanation/Remarks
A. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and agreements?	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls (PCBs)	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunitions?	No	
6	Gambling, casinos, and equivalent enterprises	No	
7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the radioactive source is	No	

¹⁰ If the response is "Yes", please provide brief explanation in next column

8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and the underlying	No	
11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified Forests?	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ un-avoidable environmental and social impacts on the physical, socioeconomic and ecological	No	
If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.			
B. Screening for Environmental Impacts			
#	Screening Criteria	Yes ¹¹ /No	Explanation/ Remarks

¹¹ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	Construction of Layer Farm with provision of 5000 Mature Pullets .
21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	
24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Noise pollution expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protect area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
C. Screening for Community and Beneficiary Health and Safety Impacts			

34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local	No	
37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Use of pests for controlling vectors in animals, Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected.
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonotic diseases?		Location of the proposed intervention is located with in the boundry of Livestock department, to safeguards health issues prepartion of Occupational and Community Health And Safety Plan is recomended; Recommended vaccination protocols, parasite controls; and , medication shall be used by Livestock Department.
41	Will there be application of any pests for controlling vectors in animals?	Yes	Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no leachable pesticides).
D. Screening for Social Impacts			

42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	
44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Proper mitigation measure will be recommended in ESMP to minimize/mitigate risks related to Occupational and Community Health And Safety; Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had regular access?	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in the area?	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of Pishin will be benefited through proposed intervention
If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF			

O. Subproject Environmental Category			
Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below: (Pl tick one):			
<ul style="list-style-type: none"> Category A: _____ Category B: <u> B </u> Category C: _____ 			
Table-1: Subproject Category with explanation and SG Document required to be prepared			
Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	<p>If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects.</p> <p>These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects</p>	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert:

Signature: _____

Screening Checklist-Livestock Sector (Poultry Unit-Noshki)

Sub-projectTitle:	Rehabilitation/Construction of Layer Farm		
Sub-projectlocation(area/district/site):	Office of Deputy Director Livestock, District Noshki.		
Coordinates:	E 29.33 06 N 66.01 45		
Sub-project decription	Rehabilitation/Construction of Layer Farm, Provision of Equipment, Layers.		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	18/5/2022		
#	Screening Criteria	YES ¹² /NO	Explanation/Remarks
A. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and agreements?	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example, heroin,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls (PCBs) subject to international phase outs or bans?	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunitions?	No	
6	Gambling, casinos, and equivalent enterprises	No	
7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the radioactive source is considered to be	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and the underlying	No	

¹² If the response is "Yes", please provide brief explanation in next column

11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's health,	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified Forests?	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ unavoidable environmental and social impacts on the physical, socioeconomic and ecological	No	

If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.

B. Screening for Environmental Impacts

#	Screening Criteria	Yes ¹³ /No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	
21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	

¹³ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Temporary noise pollution is expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	Solid Waste Management Plan for livestock waste will be prepared as part of the Livestock Sector ESMP to guide farmers on properly managing animal waste. Ensure that manure is applied to agricultural land only during periods that are appropriate for its use as plant nutrient (generally just before the start of the growing season)
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protected area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
C. Screening for Community and Beneficiary Health and Safety Impacts			

34	Will the activity engage in exploitative and forced labour?	No	The ESMP will however provide monitoring mechanism to avoid such eventuality during execution.
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local	No	
37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Use of pesticides for controlling vectors in animals, Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no leachable pesticides).
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including children?	No	
40	Will the activities/rearing animals be close to human settlements and can cause health issues particularly zoonotic diseases?	Yes	Location of the proposed intervention is within the boundary of Livestock Department, to safeguard health issues preparation of Occupational and Community Health and Safety Plan is recommended; Recommended vaccination protocols, parasite controls; and, medication shall be used by Livestock Department.
41	Will there be application of any pesticides for controlling vectors in animals?	Yes	Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no leachable pesticides).

D. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	
44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation. ESMP will provide simple monitoring mechanism to avoid such eventuality during sub-project execution.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Preparation of Occupational and Community Health And Safety Plan; Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had regular access?	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in the area?	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of Mastung will be benefited through proposed intervention
If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF			

O. Subproject Environmental Category

Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below:

(Pl tick one):

- Category A: _____
- Category B: B
- Category C: _____

Table-1: Subproject Category with explanation and SG Document required to be prepared

Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	<p>If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects.</p> <p>These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects</p>	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert:

Signature: _____

Screening Checklist-Livestock Sector (Dairy Farm-Noshki)

Sub-projectTitle:	Rehabilitation of Small Dairy Farm		
Sub-projectlocation(area/district/site):	Office of Deputy Director Livestock, District Noshki.		
Coordinates:	E 29.32 05 N 66.02 33		
Sub-project decsription	Rehabilitation of Dairy Farm, Provision of Equipment and High Yielding Pedigreed Milking Cows.		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	18/5/2022		
#	Screening Criteria	YES ¹⁴ /NO	Explanation/Remarks
A. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and agreements?	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example, heroin, hashish, opium,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls (PCBs) subject to international phase outs or bans?	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunitions?	No	
6	Gambling, casinos, and equivalent enterprises	No	
7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the radioactive source is considered to be trivial	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and the underlying regulations?	No	
11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	

¹⁴ If the response is "Yes", please provide brief explanation in next column

12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's health, or physical, mental, spiritual,	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified Forests?	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ unavoidable environmental and social impacts on the physical, socioeconomic and ecological environment?	No	

If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.

B. Screening for Environmental Impacts

#	Screening Criteria	Yes ¹⁵ /No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	
21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	

¹⁵ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Noise pollution expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protect area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
C. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local	No	

37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Use of pests for controlling vectors in animals, Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no leachable pesticides).
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including children?	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonatic diseases?		Location of the proposed intervention is located near the human settlements, to safeguards health issues preparation of Occupational and Community Health And Safety Plan is recomended; Recommended vaccination protocols, parasite controls; and , medication shall be used;

41	Will there be application of any pests for controlling vectors in animals?	Yes	Development of Integrated Pest Management Plan as part of the Livestock Sector ESMP to evaluate the need and effectiveness of the pesticide, as well as potential environmental impacts, to ensure that the pesticide with the least adverse impact is selected (e.g. no leachable pesticides).
D. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	
44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Preparation of Occupational and Community Health And Safety Plan; Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	

50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had regular access?	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in the area?	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of District Mastung will be benefited through proposed intervention

If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF

O. Subproject Environmental Category			
Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below: (Pl tick one):			
<ul style="list-style-type: none"> Category A: _____ Category B: <u> B </u> Category C: _____ 			
Table-1: Subproject Category with explanation and SG Document required to be prepared			
Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects. These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert:

Signature: _____

Screening Checklist-Livestock Sector (Poultry Unit-Mastung)

Sub-projectTitle:	Rehabilitation/Construction of Layer Farm		
Sub-projectlocation(area/district/site):	Office of Deputy Director Livestock, Main RCD Road District Mastung.		
Coordinates:	E 29.801245 N 66.829203		
Sub-project decription	<p>Rehabilitation/Construction of Layer Farm with allied facilities. Following are the details of construction and rehabilitation activities.</p> <ol style="list-style-type: none"> 1. Provision of 5000 Mature Pullets 2. Provision of laying cages for 5000 birds 3. Installation of exhaust fans and cooling pads 4. Construction of poultry shed (141'x31'). 5. Construction of poultry Admin Room with washrooms 22'x17' 6. Construction of poultry Store/Feed Room 12'x 16' 		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	10/5/2022		
#	Screening Criteria	YES ¹⁶ /NO	Explanation/Remarks
E. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunities?	No	
6	Gambling, casinos, and equivalent enterprises	No	

¹⁶ If the response is "Yes", please provide brief explanation in next column

7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment and any equipment where the	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and	No	
11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to	No	
19	Will the project result in irreversible/ drastic/ un-avoidable environmental and social impacts on the physical, socioeconomic and ecological environment?	No	
If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.			
F. Screening for Environmental Impacts			

#	Screening Criteria	Yes ¹⁷ /No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in “remarks” column.	Yes	Construction of Poultry shed with allied facilities.
21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	
24	Does the activity cause air pollution?	Yes	<p>During the construction phase, pollutants on ambient air mainly include dusts from surface levelling, excavation of foundation at the construction site, movements of transportation vehicles and their loading/unloading of construction materials, earthwork by construction machinery and temporary piling of spoils.</p> <p>The Dust emission can be minimized through implementation of adequate mitigation measures.</p> <p>The vehicles will avoid passing through the communities and cultivation fields as far as possible. If unavoidable, speed will be reduced to 15 km/h to avoid excessive dust emissions.</p> <p>PartitionEnclosure sheets/fence walls will be installed around the construction site.</p> <p>On-site mixing shall be carried out at enclosed space, cement, lime powder</p>

¹⁷ If the response is “Yes”, please explain and categorize the subproject impacts as per Section “E”

25	Does the activity cause sound pollution?	Yes	<p>Temporaty noise polution is expected during construction phase. Following minitgation measures can minimize Noise level.</p> <p>The use of high noise generating equipment shall be prohibited;</p> <p>The working time and construction schedule must be arranged rationally, construction contractor shall make reasonable arrangements to ensure machinery is not used during night</p>
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	Yes	<p>Small scale construction/rehabilitation works may genrate solid and liquid waste and can be managed through adequate mitigation measures.</p> <p>Potential sources of contamination from livestock waste must be located at a safe distance from groundwater and freshwater sources (hand pumps, wells, ponds, karez etc.).</p>
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protect area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
G. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local community?	No	

37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Livestock department have approved plan for Integrated Pest Management.
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including children?	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonatic diseases?	No	Construction/rehabilitation work shall be carried out in the existing facility of Livestock department.
H. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	
44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Safety equipment and trainings shall be given to workers on physical hazards associated with construction activities.
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	

52	Can the project adversely affect communities or vulnerable people living in	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of Mastung will be benifited through proposed intervention

If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF

O. Subproject Environmental Category

Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below:

(Pl tick one):

- Category A: _____
- Category B: B
- Category C: _____

Table-1: Subproject Category with explanation and SG Document required to be prepared

Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	If the potential adverse environmental impacts on human populations or environmentally important areas—including wetlands, forests, grasslands, and other natural habitats—are less adverse than those of Category A projects. These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert:

Signature: _____

Screening Checklist-Livestock Sector (Dairy Farm-Mastung)

Sub-projectTitle:	Rehabilitation of Small Dairy Farm		
Sub-projectlocation(area/district/site):	Office of Deputy Director Livestock, Main RCD Road District Mastung.		
Coordinates:	E 29.801245 N 66.829203		
Sub-project decription	<p>The rehabilitation work is proposed at existing dairy farm facility of Livestock department District Mastung. Rehabilitation work includes following activities;</p> <ol style="list-style-type: none"> 1. Provision of 10 Holstein Friesian Heifers (Mature, 3-5 months pregnant with female calf). 2. Rehabilitation of Dairy Shed 71'x32' 3. Rehabilitation of Dry Cows Sheds (40'x20'). 4. Rehabilitation of one Calves Sheds (20'x20'). 5. Construction of Milking Room 14'x 20' 		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	30/3/2022		
#	Screening Criteria	YES ¹⁸ / NO	Explanation/Remarks
I. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and agreements?	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for example,	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls (PCBs)	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunitions?	No	
6	Gambling, casinos, and equivalent enterprises	No	

¹⁸ If the response is "Yes", please provide brief explanation in next column

7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the radioactive source is	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and the underlying	No	
11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the child's	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified Forests?	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to persons under the age of 18?	No	
19	Will the project result in irreversible/ drastic/ un-avoidable environmental and social impacts on the physical, socioeconomic and ecological	No	
If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.			

J. Screening for Environmental Impacts			
#	Screening Criteria	Yes¹⁹/ No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	Rehabilitation of Dairy Farm and allied facilities.
21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater	No	
24	Does the activity cause air pollution?	Yes	Control the temperature, humidity, and other environmental factors of manure storage to reduce emissions Minimal level of dust pollution expected during construction phase. Mitigation measures shall be included in the sector specific ESMP study.
25	Does the activity cause sound pollution?	Yes	Noise pollution expected during construction phase. Mitigation measures shall be included in ESMP study.
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	
27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	No	
28	Will the project cause substantial changes to water quality and quantity?	No	

¹⁹ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protect area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
K. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local	No	
37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Use of pests for controlling vectors in animals, Livestock department have approved plan for Integrated Pest Management.
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including	No	
40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonotic diseases?		Rehabilitation works are proposed in the existing dairy facility owned by Government Livestock Department District Mastung. Livestock department implemented adequate practices/mitigation to safeguards Occupational and Community Health And Safety. Department already ensured vaccination protocols, parasite controls; and , medication.

41	Will there be application of any pests for controlling vectors in animals?	Yes	Implementation of Integrated Pest Management Plan will be ensured by Livestock department.
L. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	
44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Preparation of Occupational and Community Health And Safety mitigation measures; Safety equipment and trainings shall be given to workers on physical hazards associated with livestock sector;
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had regular access?	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in the area?	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of District Mastung will be benifited through proposed intervention
If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF			

O. Subproject Environmental Category			
Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below:			
(PI tick one):			
<ul style="list-style-type: none"> Category A: _____ Category B: <u> B </u> Category C: _____ 			
Table-1: Subproject Category with explanation and SG Document required to be prepared			
Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	<p>If the potential adverse environmental impacts on human populations or environmentally important areas--including wetlands, forests, grasslands, and other natural habitats--are less adverse than those of Category A projects.</p> <p>These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects</p>	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert:

Signature: _____

Screening Checklist-Livestock Sector (Poultry Unit-Muslim Bagh)

Sub-projectTitle:	Rehabilitation/Construction of Layer Farm		
Sub-projectlocation(area/district/site):	Livestock Department Muslim Bagh Bazar District Killa Saifullah.		
Coordinates:	E 67.44'24" N 30.49'28"		
Sub-project decription	<p>Rehabilitation/Construction of Layer Farm with allied facilities. Following are the details of construction and rehabilitation activities.</p> <ul style="list-style-type: none"> • Provision of 50000 Mature Pullets • Provision of laying cages for 5000 birds • Installation of exhaust fans and cooling pads • Rehabilitation of two poultry sheds (65'x28') and (25'x20') . • Rehabilitation of Store/Feed Room 12'x 16' • Rehabilitation of office/kitchen 25'x18' • Construction of poultry Brooder Room 20'x25' 		
Implementing Agency:	Balochistan Liveihood and Entrepreneurship Project (BLEP)		
Date of screening:	08/6/2022		
#	Screening Criteria	YES ²⁰ /NO	Explanation/Remarks
M. NEGATIVE LIST			
1	Will the project result in the production or trade in any product or activity deemed illegal under Pakistan's laws or regulations or international conventions and	No	
2	Will the project result in the cultivation, processing, and sale of poppy and/ or other illegal addictive substances (for	No	
3	Will the project result in the production or trade in pharmaceuticals, pesticides/herbicides, ozone depleting substances, polychlorinated biphenyls	No	
4	Will the project result in the trade in wildlife or wildlife products regulated under Convention on International Trade in Endangered Species?	No	
5	Will the project result in the production or trade in weapons and ammunities?	No	
6	Gambling, casinos, and equivalent enterprises	No	

²⁰ If the response is "Yes", please provide brief explanation in next column

7	Will the project result in the production or trade in radioactive materials (this does not apply to the purchase of medical equipment, quality control measurement equipment, and any equipment where the	No	
8	Will the project result in Informal cross-border trade?	No	
9	Will the project result in the smuggling or sale and handling of smuggled goods?	No	
10	Will the project result in cross-border trade in waste and waste products, unless compliant with the Basel Convention and	No	
11	Will the project result in the production or trade in or use of unbounded asbestos fibers?	No	
12	Will the project result in the production or trade in illegal wood extraction or other forestry products from Protected Areas?	No	
13	Will the project result in the hunting, poaching or fishing in Protected Areas?	No	
14	Will the project result in production or activities involving harmful or exploitative forms of forced labor?	No	
15	Will the project result in the production or activities involving harmful child labor, that is economically exploitive, or is likely to be hazardous to, or to interfere with, the child's education; or to be harmful to the	No	
16	Will the project result in the any activities involving significant degradation or conversion of Protected Areas or Notified	No	
17	Will the project result in activities involving significant adverse impacts on critical cultural heritage?	No	
18	Will the project result in the sale of addictive substances such as tobacco, gutka, niswar, cigarettes, beeri, hukka, paan parag, sheesha and any other products containing such substances to	No	
19	Will the project result in irreversible/ drastic/ un-avoidable environmental and social impacts on the physical, socioeconomic and ecological environment?	No	
If the answer to any of the above questions is 'YES', the project/activity CANNOT be supported; as it fall under the "Negative List" as suggested by the ESMF.			
N. Screening for Environmental Impacts			

#	Screening Criteria	Yes ²¹ /No	Explanation/ Remarks
20	Does the activity involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in "remarks" column.	Yes	Rehabilitation/Construction of Poultry Farm with allied facilities.
21	Will the activity result in overgrazing of rangelands and pastures?	No	
22	Will livestock feed be sourced or produced in Protected Areas and Notified Forests?	No	
23	Are livestock sheds and livestock waste collection areas located close to and likely to contaminate groundwater and freshwater sources?	No	
24	Does the activity cause air pollution?	Yes	<p>During the construction phase, pollutants on ambient air mainly include dusts from surface levelling, excavation of foundation at the construction site, movements of transportation vehicles and their loading/unloading of construction materials, earthwork by construction machinery and temporary piling of spoils.</p> <p>The Dust emission can be minimized through implementation of adequate mitigation measures.</p> <p>PartitionEnclosure sheets/fence walls will be installed around the construction site.</p>
25	Does the activity cause sound pollution?	Yes	<p>Temporaty noise polution is expected during construction phase. Following minitgation measures can minimize Noise level.</p> <p>The use of high noise generating equipment shall be prohibited;</p>
26	Does the activity cause the cutting of hill slope and earth removal from borrow areas that would cause soil erosion?	No	

²¹ If the response is "Yes", please explain and categorize the subproject impacts as per Section "E"

27	Will the activity create solid or liquid wastes that would cause potential contamination of surface water and ground water supplies?	Yes	Small scale construction/rehabilitation works may generate solid and liquid waste and can be managed through adequate mitigation measures. Potential sources of contamination from livestock waste must be located at a safe distance from groundwater and freshwater sources (hand pumps, wells, ponds, karez etc.).
28	Will the project cause substantial changes to water quality and quantity?	No	
29	Does the activity cause the alteration of water flow?	No	
30	Are there environmentally sensitive areas (protected area, forests, national parks or wetlands)?	No	
31	Would the project cause vegetation and tree removing?	No	
32	Can the activity be a threat to the endangered and threatened species or cause potential hunting or the collection?	No	
33	Can the activity cause livestock reduction?	No	
O. Screening for Community and Beneficiary Health and Safety Impacts			
34	Will the activity engage in exploitative and forced labour?	No	
35	Will the activity engage in harmful child labour?	No	
36	Will the activity take place in or near a site that has historic, or cultural importance for the local community?	No	
37	Will the activity result in production of hazardous liquid and solid waste (e.g. mercury, biomedical, heavy metals, CFLs (energy savers), tires, oil, batteries, paint, solvents, acidic solutions, etc.)?	No	
38	Will the activity involve the use of chemicals and tools by the beneficiary and workers?	Yes	Livestock department have approved plan for Integrated Pest Management.
39	Will production take place in or near living areas, giving easy access of machines, tools and chemicals to family members including children?	No	

40	Will the activities/raring animals be close to human settlements and can cause health issues particularly zoonatic diseases?	No	Construction/rehabilitation work shall be carried out in the existing facility of Livestock department.
P. Screening for Social Impacts			
42	Will the project activity result in any resettlement or displacement (economic and physical) of the local communities?	No	
43	Will the project activity result in adverse impacts on vulnerable groups such as women, children and disabled etc?	No	
44	Will the project activity result in child labour, forced labour or gender based violence (GBV)?	No	It should be ensured that there is no use of exploitative forms of forced labour. Labour for the business enterprise will be hired according to labour law and the contractual binding will be added in the agreement documentation.
45	Does the activity have human health and safety risks, during construction or later?	Yes	Safety equipment and trainings shall be given to workers on physical hazards associated with construction activities
46	Will the activity create the conflict among the people?	No	
47	Will the activity cause loss of livelihood?	No	
48	Are there any Important cultural or archeological sites nearby?	No	
49	Will the project require the acquisition of land (public or private, temporarily or permanently) for its development?	No	
50	Will anyone be prevented from using economic resources (e.g. pasture, fishing locations, forests) to which they have had	No	
51	Will the project result in the involuntary resettlement of individuals or families?	No	
52	Can the project adversely affect communities or vulnerable people living in	No	
53	Are there members of community located close to project area who could benefit from this project?		Local communities of Mastung will be benifited through proposed intervention
If the answer to any of the questions for Environment, Cultural Heritage or Social is 'YES', alternate activities must be considered or mitigation measures proposed in accordance with the guidelines provided in this ESMF			

O. Subproject Environmental Category

Based on the above site specific "E&S Screening"; the Subproject is assigned the following Environmental Category as explained in Table:1 below:

(Pl tick one):

- Category A:
- Category B:
- Category C:

B

Table-1: Subproject Category with explanation and SG Document required to be prepared

Subproject Category	Adverse Impacts	Explanation	SG document Required
A	Significant	If the proposes subproject is likely to have significant adverse environmental impacts that are sensitive (irreversible), diverse, or unprecedented.	ESIA
B	Less than impacts for category A	<p>If the potential adverse environmental impacts on human populations or environmentally important areas—including wetlands, forests, grasslands, and other natural habitats—are less adverse than those of Category A projects.</p> <p>These impacts are site-specific; few if any of them are irreversible; and in most cases mitigatory measures can be designed more readily than for Category A projects</p>	ESMPs
C	Minimal or no adverse impacts	If the subproject is likely to have minimal or no adverse environmental impacts.	Checklists with simple site specific measures, if required.

Checklist Filled Out by the ESS & SSS and of PMIU-BLEP:

Environmental and Social Safeguards Expert:

Signature: _____

Sector Expert:

Signature: _____