## **Environmental and Social Safeguards**

**1.0 Introduction**

The section describes in detail the potential environmental and social impacts associated with the proposed sub project under **Masangano School block construction** and outline mitigation measures required to address the identified impacts

Ntchisi district council will construct a two classromm school block under GESD project at Masangano school, in Traditional Authority Kalumo.

In respect to the interventions highlighted above, an assessment was undertakento identify environmental and social issues that could arise from the sub project. The assessment was conducted on 15th July,2021 by the district team led by the Environmental District Officer. A screening form was used to guide the assessment of the planned activities. The screening form was adapted from EIA guidelines of Malawi (1997). The assessment revealed that, the proposed project activities have the potential to cause some minor, short-term and localized environmental and social impacts. Therefore, Environmental Affairs Department recommended that a site specific Environmental and Social Management Plan (ESMP) be prepared (as presented in Table 1 below

**2.0 Environmental and Social Management Plan for Masangano School Block**

The ESMP outlines environmental and social impacts, mitigation measures to be undertaken, designates responsibilities, schedules of tasks and allocates costs for measures that may require financial support.

**Table 1: ESMP for Masangano School Block**

| **Environmental Component/ Aspect** | **Expected Impacts** | **Mitigation/Enhancement Measures** | **Output Indicator** | **Target** | **Responsible persons** | **Time Frame** | **Estimated Cost (MK)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Negative impacts during warehouse construction** | | | | | | | |
| Trees | Loss of 20 trees | Plant trees | No of trees planted | 200 trees of Acacia | EDO (Council) | During or after the construction | 50,000 |
| Soils | Loss of soils and siltation | Plant grass | Ha of land planted | 2 tonnes of grass | EDO/ VDC | During the constriction |  |
| Land | Creation of borrow pits arising from mining/ extraction of construction materials such as quarry and sand | 1. The contractor shall obtain construction materials from licenced dealers. 2. Refill the pits | No of licensed dealers supplying construction materials | 1 | Contractor | During construction | - |
| Land | Rubble or heaps of excavated soils | Use the soils to re-fill the borrow pits | No of heaps of soil used |  | Contractor | Before completion of construction of the warehouse |  |
| Waste | Increase generation of domestic and construction waste and refuse around the site | The contractor shall (i) develop a waste management plan, | No of WMP developed and implemented | 1 | Contractor | During construction | - |
| (ii) Dig a rubbish pit | No of rubbish pit constructed |  | Contractor | During construction | - |
| Occupational Health and safety | Occupational safety and health risks such as accidents around the construction area for the warehouse |  |  |  |  |  |  |
| (i) Develop and implement an OHS Plan; | No of plans developed and implemented | 1 | Contractor | During construction |  |
| (ii) train workers in health and safety measures; | No of workers trained in OHS |  | Contractor | During construction | 300,000 |
| (iii)   provide First Aid kit at the site office | No of First Aid kits | 2 | Contractor | During construction |  |
| (iv)   service equipment regularly to maintain it in safe condition. | No of vehicles maintained |  | Contractor | During construction |  |
| (v)     Provide workers with the necessary PPE; | Percentage of workers using PPE | 100% | Contractor | During construction | 1,500,000 |
| (iii) Undertake sensitization meetings of workers and surrounding communities on issues of HIV/AIDS and GBV. | No of sensitisation meetings conducted | 3 | Contractor | Before and during construction | 750,000 |
| **ESMP total cost** |  |  |  |  |  |  | **2,600,000** |