##  **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 construction of **staff house at Mzandu health centre** and outline mitigation measures required to address the identified impacts.

Ntchisi district intends to construct a staff house at Mzandu health centre.

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 19th July, 2020 by the district team led by the Land resource 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 Mzandu staff House**

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 Mzandu staff House**

| **Environmental Component/ Aspect** | **Expected Impacts** | **Mitigation/Enhancement Measures** | **Output Indicator** | **Target** | **Responsible persons** | **Time Frame** |  **Estimated Cost (MK)**  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Negative impacts during warehouse construction** |
|  | Generation of solid waste | Construction of refuse pit | No of pits constructed | 1 | Contractor | Before commencement of rehabilitation work |  |
| Soil | Creation of borrow pits arising from extracting materials from construction | Re-fill the borrow pits | No of pits refilled |  | Contractor | After construction of the warehouse |  |
| Land | Rubble or heaps of excavated soils | Used to refill the borrow pits |  |  | Contractor | After construction |  |
| Occupational Health and safety | Occupational safety and health risks such as accidents/injuries, nuisance from dust around the construction area for the warehouseRisk of HIV/AIDS and other STI’s |  |   |   |   |   |   |
| (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 |   |
| (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 |
| (ii) Conduct sensitisation meetings targeting the surrounding communities and workers on HIV/AIDS, GBV  | No of awareness meetings conducted | 3 | Contracto, EDO and DEHO | Before and during construction |  750,000 |
|  **Total budget for the ESMP** |   |   |   |   |   |   | **2,250,000** |