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15. Incident Prevention and Hazard Communication Plan

This section describes the framework for managing incidents and near misses as well as communication of hazards associated with the proposed project.

It is therefore essential that the project is constructed and operated in a safe and incident free manner in compliance with the Occupational Safety and Health Act, 2007 and its subsidiary legislation particularly Legal Notice No. 40: Building Operations and Works of Engineering Construction Rules, 1984.

This section outlines an incident prevention and hazard communication action plan for the EPC contractor to consider prior to the construction phase of the project.

15.1 Incident Prevention – Construction Phase

Contractor health and safety is an essential component of incident prevention during the construction phase of the project. It is recommended that the EPC contractor's HSE management system be implemented for the project and containing some of the elements described below.

15.1.1 Responsibilities with regard to safety

The responsibilities with regard to safety must be documented by the EPC contractor for all their sub-contractors to follow while working at the project site. The EPC contractor's responsibility is to issue procedures, safety rules and safety induction training for all sub-contractors working on site. It is the responsibility of all sub-contractors to strictly adhere to the EPC contractor's HSE standards and to ensure that every person in the sub-contractor's employment observes the requirements of the EPC contractor's regulations.

Each sub-contractor will be required to nominate a contractor supervisor for their specific discipline of the project. This person will be responsible for all HSE compliance requirements of subordinates and will issue instructions regarding HSE which have to be carried out by all contract employees.

The contractor supervisor will be responsible for training all new contractor personnel in HSE as well as the dangers inherent to the area where work is to be performed.

15.1.2 Designation of First Aiders

Each sub-contractor shall ensure that an adequate number of certified first aiders are available at the project site with properly equipped first aid boxes. At least one approved first aider for every 50 employees is recommended.

15.1.3 Contractor Employee Responsibility with regard to Safety

Any sub-contractor employee who observes or is involved in an accident will immediately report such incident to the contractor supervisor who will record the details in a General Register as stipulated under the Occupational Safety and Health Act, 2007. The Contractor's Supervisor on site shall fill out an Accident Report Form known as DOSH 1 which is available for free from the local DOHSS office and submit it to the nearest provincial DOHSS office within 24-hours of the accident.

15.1.4 Temporary Buildings

During the construction phase the sub-contractors may erect temporary buildings for use during the construction period. The design of the buildings shall be approved by the EPC contractor before erection of them commences.

15.1.5 Safety Induction Training

The EPC contractor will arrange for HSE induction training of their sub-contractors prior to the ground breaking at the project site. All new employees shall undergo such training prior to being allowed to work on the project site. The EPC contractor's nominated sub-contractor(s) shall also provide HSE induction training to all their workers including frequent tool box talks.

15.1.6 Personal Conduct

It will be the responsibility of each sub-contractor to ensure that their employees do not engage in any of the following practices during the construction phase of the project:

- Horseplay;
- Personal business; and
- Misconduct.

15.1.7 Personal Protective Equipment (PPE)

Each sub-contractor working at the project site shall ensure that all their employees are provided with appropriate and adequate PPE. The sub-contractor will be required to maintain a register indicating the issuance, control and use of PPE which includes the following:

- Safety shoes;
- Safety helmets (hard hats);
- Hand protection (gloves);
- Eye and face protection (safety glasses);
- Hearing protection (ear plugs, ear defenders); and
- Clothing (overalls).

15.1.8 Safety Procedures

The EPC contractor will be required to issue the Proponent with a comprehensive Safety Method Statement for carrying out each phase of the construction works. The EPC contractor will further be required to comply with the safety procedures of the Proponent.

15.1.9 Fire and Emergency Procedures

The EPC contractor, their nominated sub-contractors and all the employees working for them shall be required to be familiar with the Proponent's fire and emergency procedures. The HSE induction training to be provided by the EPC contractor for all their nominated sub-contractors working at the project site will include emergency and evacuation procedures.

15.1.10 Security Procedures

The EPC contractor's nominated sub-contractors and their employees will be required to familiarize themselves with the EPC contractor's security procedures and shall ensure that all employees comply with those security procedures.

15.1.11 Working Tools and Equipment

Each nominated sub-contractor will ensure that no unsafe tools are used at the project site. The sub-contractor will further ensure that all scaffolding and ladders, cranes, welding machines, compressors, etc. are in good serviceable condition at all times during the construction phase of the project and have been certified by DOHSS approved persons.

15.2 Incident Prevention – Operational Phase

15.2.1 Proponent's HSE Management System

Wärtsilä Finland Oy has been selected by the Proponent for the operational phase of the project. Subsequently Wärtsilä will develop, rollout and implement a detailed HSE management system for operating the proposed project incorporating Kenyan HSE laws and regulations and the lenders HSE requirements within the system.

15.2.2 Emergency Response Plan

In the event of an emergency at the project site, the Proponent's Emergency Response Plan will be activated in accordance with the procedures laid out in it. It will therefore be necessary for the Proponent to develop, rollout and implement their documented emergency response plan prior to the construction phase.

The emergency response plan should as a minimum include the headings given below.

- Introduction;
- Purpose;
- Scope;
- Abbreviations;
- Definitions;
- Emergency response organization;
- Emergency notification system;
- Evacuation procedures;
- Emergency response plan activation;
- Contingency plans;
- Emergency management resources and logistics;
- Crisis control center;
- Deactivation and recovery plan;
- Training;
- Emergency response plan maintenance; and
- Emergency response plan distribution.