Appendix D Chance Finds Procedure

Cabeolica Expansion Project – Cabo Verde

Cabeolica SA

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Abbreviations

Abbreviation	Definition
BESS	Battery Energy Storage System
MESA	Manager of Environmental, Social and Administration
WTG	Wind turbine generators

1 General

1.1 Cabeolica Expansion Project

Cabeolica, a Private-Public-Partnership between the Government of Cabo Verde, Electra S.A. and Infraco Limited, is a wind energy company in Cabo Verde that owns and operates four (4) independent windfarms, each on one of four islands of the Cabo Verde Archipelago: Sal, São Vicente, Boa Vista, and Santiago. These windfarms, which began producing energy commercially by May 2012 and have operated continuously, shed considerable levels of produced energy due to insufficient demand loads on the islands.

Currently, Cabeolica plans to maximize the delivery of all available energy and reduce the risk of losing potential revenue through the Cabeolica Expansion Project, which will reduce diesel spinning reserve operation by incorporating Battery Energy Storage Systems (BESS) to maximize renewable energy penetration in each of the islands and increase existing production capacity with the addition of three new wind turbines at the Santiago windfarm. The Expansion Project will improve the decarbonization and diversification of the country's energy matrix and will allow for a more stable grid system to reduce the frequency of blackouts in the country.

The Cabeolica Expansion Project, to be implemented on the four islands, comprises the following:

- **Component 1:** Expansion of the Cabeolica Santiago Wind Farm with three (3) wind turbines with a total net additional power capacity of about 13.5 MW.
- **Component 2:** Battery Energy Storage System (BESS) of approximately 6 MW / 6 MWh storage capacity for spinning reserve and control, and short-term storage to be installed at the Cabeolica Santiago wind farm.
- **Component 3:** BESS of approximately 6 MW / 6 MWh storage capacity for grid stability control and short-term storage to be installed at the Cabeolica Sal windfarm.
- **Component 4:** BESS of approximately 8 MW / 8 MWh storage capacity for grid stability control and short-term storage at São Vicente Island, located close to the Lazareto Power Station approximately 3.7 km from the São Vicente windfarm.
- **Component 5:** BESS of approximately 6 MW / 6 MWh storage capacity for grid stability control and short-term storage at Boa Vista Island, located close to the Parcela Power Plant in an industrial area approximately 8.5 km from the Boa Vista windfarm.

Additional, associated facilities, are to be installed at Santiago (Component 1) to transfer of the additional energy produced by the Santiago windfarm to the Electra-owned substation (São Filipe) **requires an additional transmission line** consisting of underground cables (2,270 m) and overhead conductors (350 m) to be installed parallel to the existing line for a total approximate length of 2,620 m

1.2 Purpose and scope

The purpose of this Chance Finds Procedure is to provide guidelines to ensure an effective and efficient response if previously unknown tangible cultural heritage finds or artefacts are encountered during the construction phase of Cabeolica Expansion Project.

The objectives of this procedure are:

- To describe the methodology to be followed should potential heritage finds discoveries occur.

- To avoid adverse impacts to potential heritage finds resources discovered during project activities associated with the construction phase of Cabeolica Expansion Project.

This document applies to all workers of Cabeolica, its Contractors, Subcontractors and Vendors working on Cabeolica Expansion Project during construction phase.

2 Roles and Responsibilities

Cabeolica has the following responsibilities regarding this Chance Finds Procedure:

Management of Environment, Social and Administration (MESA):

- Prepare and impart training to all personnel involved in the construction phase on chance finds procedures before start of works and as a part of employee induction training.
- Keep all documents regarding change finds updated.

Site Managers (Cabeolica, Contractors and Subcontractors):

- Ensure that all resources required for this procedure are available, and all site personnel are aware of their responsibilities in case of any chance finds.
- Issue the formal "stop work" order immediately on discovery of suspected cultural heritage finds or artefacts.
- Secure the site perimeter and the location of the chance find.
- Ensure that appropriate corrective actions are implemented as a result of any identified chance finds.
- Ensure that appropriate inspections by recognised and approved experts are carried out on site before issuing the re-start works order.
- Liaise with MESA in the implementation of proposed actions.

All personnel working in Cabeolica Expansion Project:

Follow this procedure when undertaking site work.

- When a suspected cultural heritage site is encountered during earthmoving operations, cease work immediately according to the Contractor's "stop work" procedure and secure the site area safely.
- When the site is secured and the requisite HS measures in place, inform the site manager of any chance finds identified in Cabeolica Expansion Project sites.
- Respect any "stop work" order given by the site managers issued on encountering suspected cultural heritage.
- Do not enter into areas demarcated for the protection of cultural heritage.
- Do not remove any object, soil or vegetation from any cultural heritage site, confirmed or suspected.

3 Methodology

According to *EIB Standard 10 – Cultural heritage*, cultural heritage includes both tangible and intangible heritage.

- Tangible cultural heritage refers to monuments, individual buildings, groups or buildings and sites.
- Intangible cultural heritage refers to practices, representations, expressions, knowledge and skills - as well as the instruments, objects, resources, artefacts and cultural spaces associated therewith – that rights-holders (communities, groups and, in some cases, individuals) recognise as part of their cultural heritage and which are transmitted from generation to generation.

The *AfDB's Environmental and Social Safeguard 8 "Cultural heritage*" exposes that "cultural heritage" encompasses tangible and intangible heritage, which may be recognized and valued at a local, regional, national or global level, as follows:

- Tangible cultural heritage includes movable or immovable objects, sites, structures, groups of structures, and natural features and landscapes that have archaeological, paleontological, historical, architectural, religious, aesthetic, or other cultural significance. Tangible cultural heritage may be located in urban or rural settings and may be above or below land or under the water.
- Intangible cultural heritage includes practices, representations, expressions, knowledge, skills, as well as the instruments, objects, artifacts, and cultural spaces associated therewith, that communities and groups recognize as part of their cultural heritage, as transmitted from generation to generation and constantly recreated by them in response to their environment, their interaction with nature, and their history.

In the event of a chance finding during the construction phase of Cabeolica Expansion Project, the following actions shall be implemented:

- Cease immediately all construction activities in vicinity of the find/ feature / site.
- Notify Site Manager immediately and the Cabeolica MESA
- Establish a perimeter around the area of the find with suitable barriers, lighting and signage to prevent any further ingress into the area on foot or by vehicle by installing temporary fencing or barriers.
- Post a site monitor or security personnel.
- Record, using visual indications only from outside of the cultural heritage site perimeter, the following information regarding the item / site: its precise location, the date and time of its discovery, the description of the item, its estimated site / weight / dimensions, and photograph the site area and its approaches.
- In no circumstances are artefacts to be disturbed further or removed from the site. Only personnel authorised by the Cabeolica MESA may enter the site.
- Consider arranging a night guard if deemed necessary while this information is being processed and the mitigation measures are taking place.
- Contact with the municipality and/or cultural local authorities to decide the further actions to be taken.

The following decisions on how to handle the finding shall be taken by the responsible authorities.

Permanent mitigation measures to protect the cultural or archaeological heritage finds shall be defined and implemented in consultation with the competent regulatory authorities A site specific Cultural Heritage Management Plan will be drawn up by Cabeolica's MESA and implemented by the site manager.

4 Training, Monitoring and Reporting

All site personnel shall be aware of their roles and responsibilities to ensure a respond in a timely manner to any change finds. Thus, Cabeolica, its contractors and subcontractors will train all site workers, especially those working on civil works (excavations and earthmoving), in identifying any archaeological and/or cultural heritage items, features or sites and the procedures to follow when encountering a suspected cultural heritage site or artefact.

Monitoring inspections related to chance finds will be undertaken on regular basis and daily during civil works. The inspections will be carried out by the Site Manager, with the aim of supervise construction and excavation works to ensure that should a chance find be identified, the procedure is implemented, and the site is protected and monitored until the completion of the required actions.

During the construction phase of Cabeolica Expansion Project, the following records will be available kept on the Cabeolica Sharepoint:

- Summary report of any chance finds identified and confirmed.
- A record of the implementation of this procedure and the close out of the chance find incident.
- Summary of any issues from site inspection reports and/or complaints (if any) received to this procedure.
- Documents and contacts of any third-party experts or regulatory authorities that intervened at the discovered cultural heritage site.