


 MEDCOENERGI Geothermal	HSE (Health Safety Environmental System of Medco Cahaya Geothermal)		No. Doc: HSE-2023-005	
	PROCEDURE		Rev. 01	#Pages : 9
			Date: Jun 8 th , 2023	
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HSE-2023-005 CHANCE FINDS PROCEDURE

1. INTRODUCTION

PT Medco Cahaya Geothermal (“MCG”) is one of subsidiaries from Medco Power Indonesia, developing a geothermal power plant and transmission line project (“Project”) located at Blawan Ijen, Bondowoso East Java. The Project consist of 2 x 55 MW Geothermal Power Plant, 28 km long transmission line to Banyuwangi substation, 19 km water pipeline of Water Intake and its supporting facilities.

MCG prepares this chance finds the procedure which a project-specific procedure that outlines the actions required if previously unknown heritage resources, particularly archaeological and/or cultural finds are encountered during project construction or operation.

2. PURPOSE

The objective of change finds procedure are:

- a. To provide a framework for potential archeological and/or cultural finds during construction and operation phase;
- b. To avoid or reduce adverse impacts to potential archeological or heritage resources discovered during earth-moving and ground-altering activities associated with the construction and operation of a Geothermal Power Plant, transmission line, water intake, water pipe line, and its supporting facilities; and
- c. To identified roles and responsibilities of key personnel.

3. SCOPE

This is a standard procedure for Information Documented System, which applied within the scope of MCG, which include:

- a. Construction and Operation of Geothermal Power Plant;
- b. Construction of Transmission Line;
- c. Water intake operation; and
- d. Other activities conducted by MCG.

This procedure is applicable to all activities conducted by the personnel, including contractors that have the potential to uncover a heritage item/site.

This procedure covers the find/feature/site such as:

- a. Human remains from burials (of any kind);
- b. Ancient hearth features, assess as burnt wood, ash, and red sediments larger than 50 cm in diameters;
- c. Ancient posts/postholes assessed in the field as yielding preserved wood vertically truncating the soil;
- d. Buried megalithic structures assessed as unnatural to alluvial and or tidal environments; and archaeological artefacts such as ancient waste middens, pottery or ancient village foundations.

The Worker's Code of Conduct will include a section on cultural heritage and respect of local beliefs and traditions in the local communities. All workers will be made aware of the Worker's Code of Conduct and awareness sessions will be organized for all new recruits.

If any elements of cultural heritage or archaeological artefacts is discovered during construction phase, mitigation measures to protect them and to ensure that the local population can access them will be defined and implemented. These measures will be defined in a participatory manner with the affected communities and relevant stakeholders.

4. RESPONSIBILITIES

This procedure is the responsibility of MCG, Contractors and subcontractors. Key personnel responsible for managing chance finds are detailed below.

General Manager

- a. Overall responsibility for overall management of Project and Contractors; and
- b. Overall responsibility to ensure sufficient resource are available for the implementation of this chance finds procedure.

Project / Site Manager

- a. Ensure and manage the implementation of chance finds procedure;
- b. Ensure appropriate corrective actions are implemented as a result of any identified chance finds;
- c. Liaise with HSESS Manager and Contractor Project Manager in implementation of proposed action;
- d. Engage with relevant government agencies for appropriate course of action to take for any identified chance finds; and
- e. Review (and update as necessary) of suitable and effectiveness of this procedure.

HSESS Manager

- a. Ensure the chance finds procedure complies with Indonesia regulation and international requirements;
- b. Ensure performance reporting in regards to chance finds to management and external parties such as Project lenders and government bodies;
- c. Ensure inspection and verification process in accordance with all Project health and safety protocols;
- d. Engage with local authorities and communities in the event of chance find; and
- e. Develop and maintain chance find documents and records

External Relations Personnel

- a. Support HSESS Manager to ensure the chance finds procedure complies with Indonesia regulations and international requirements;
- b. Support HSESS Manager to ensure performance reporting in regards to chance finds to external parties such as community, relevant stakeholder, lenders and government bodies;
- c. Support HSESS Manager to engage with local authorities and communities in the event of chance finds; and
- d. Support HSESS Manager to develop and maintain chance finds documents and records.

All Personnel

- a. Following procedures and actions listed in this procedure when undertaking site work; and
- b. Inform HSESS Manager and/or Project/Site Manager of any chance finds identified in the Project and Operation area.

Local Government

- a. MCG will coordinate with PIC from Tourism, Culture, Youth and Sports Office of Bondowoso, and/or Culture and Tourism Office of Banyuwangi as well as local police both Bondowoso and Banyuwangi, should any heritage resource found. This PIC will be responsible for conducting all investigations and will complete a report of the findings;
- b. Any findings will be communicated immediately to head of village, local police and Tourism, Culture, Youth and Sports Office of Bondowoso and/or Culture and Tourism Office of Banyuwangi. The relevant local government will then provide an appropriate course of action to take; and
- c. Given the regular change in government bodies, detail contacts of local government will be provided separately and updated regularly by MCG.

5. DEFINITION

Company

Company means Medco Cahaya Geothermal or **MCG**.

Contractor

Any person or company that undertakes a contract with MCG to provide materials or labor in order to perform a service or job.

Project Lenders

Project Lenders means:

- a. US International Development Finance Corporation Or **DFC**;
- b. Sarana Multi Infrastruktur or **SMI**; and
- c. Any new senior Lender which becomes a party by assuming the rights and/or obligations of DFC and SMI with respect to the Finance Documents.

Management System

A management system is a set of processes and practices to consistently implement MCG's policies to meet business objectives

Environmental and Social Management System

Environmental and Social Management System or ESMS means an environmental, social, health, and safety management system including policies, management programs, and plans, procedures, requirements, performance indicators, responsibilities, training, and periodic audits and inspections with respect to those environmental and social aspects identified in the national (AMDAL) and international ESIA (which are considered relevant to the Project components) designed to identify, assess and manage risk in respect to the Project on an ongoing basis.

Cultural Heritage

Cultural heritage is the heritage of tangible and intangible heritage assets of a group or society that is inherited from past generations. In accordance to Indonesia Law no 11 of 2010, it is stated that cultural heritage in the form of Cultural Conservation Objects, Cultural Conservation Buildings, Cultural Conservation Structures, Cultural Heritage Sites, and Cultural Conservation Areas on land and / or in water that need to be preserved due to its importance to history, science, education, religion, and/or culture through a determination process.

6. ACTIONS

During the project induction meeting, all workers will be informed of this procedure by MCG and Contractor

6.1. Procedure

In the event of a chance finding during excavation works and construction at the power plant site area and along the transmission line route the following actions should be implemented:

- 6.1.1. Cease immediately all construction activity in vicinity of the find/feature/site;
- 6.1.2. Rope off the immediate area surrounding the find to prevent further damage and limit access to find location;
- 6.1.3. Notify HSESS and Site / Project Manager;
- 6.1.4. Hire immediately a professional archaeologist to ensure the following action carried out:

- Delineate the discovered find/feature/site;
- Record the find location that includes
 - Date and time of discovery
 - Precise location of discovery
 - Description of the discovered item/site
 - Estimate size/weight/dimensions
- Ensure all remains are to be left in place;
- Secure the area to prevent any damage or loss of removable objects;
- Assess, record and photograph the find/feature/site
- Undertake the inspection process in accordance with all Project health and safety protocols under direction of the HSESS;
- Consider a night guard if deemed necessary;
- External relations to contact and inform immediately the Tourism, Culture, Youth and Sports Office of Bondowoso, and/or Culture and Tourism Office of Banyuwangi, village authority as well as local police; and
- For non-critical cultural heritage, coordinate and consult with the head of village and/or cultural figures as well as local police to decide the action to take.

6.1.5. Implement the following strategy for finds retrieval:

- Conduct investigation of archaeological soils by hand;
- Keep all finds, osteological remains and samples and submit to the related stakeholder as required;
- In the event that any artefacts need to be conserved, secure approval from the Tourism, Culture, Youth and Sports Office of Bondowoso; and/or Culture and Tourism Office of Banyuwangi;
- Provide an on-site working space and finds storage area to allow storage of any artefacts or other archaeological material recovered;
- In the case of human remains, in addition to the above, contact the Tourism, Culture, Youth and Sports Office of Bondowoso; and/or Culture and Tourism Office of Banyuwangi, and adhere to the guidelines for the treatment of human remains as well as the local police department; and
- If skeletal remains are identified, contact an osteo-archaeologist to examine the remains

6.1.6. Implement the following process for conservation:

- Hire a conservator (if required);

- HSESS and PIC of Tourism, Culture, Youth and Sports Office of Bondowoso; and/or Culture and Tourism Office of Banyuwangi completes a report on the findings and submits to relevant government or local museum;
- The relevant government or local museum reviews the report and informs when works can resume.

6.2. Duration

All change find will be acknowledged immediately after findings. However, the processing time to come up with the proposed actions depends on finding category as follow:

- Critical cultural heritage, which involve resorting to government level, should take \pm 30 days from finding to implementation of appropriate action;
- Less critical heritage should require shorter time than the above category (\pm 7 days) to avoid further delay of construction, however still deemed sufficient for taking actions of consultation with nearby local communities and/or cultural figure.

7. TRAINING

MCG and contractor will train all worker, especially those working on excavations and earthmoving, in identifying cultural and archaeological artifacts, features, or sites.

Training effectiveness will be validate by checking that worker understand and can apply the knowledge gained. The method used for validation could, depending on the nature of the work, range from written and practical test to simply observing the task performed.

A training record should be maintained by MCG and Contractor in respect to chance finds. This will allow for scheduling of training/refreshment as required.

8. MONITORING

8.1. Monitoring

Monitoring inspections in relation to chance finds will be undertaken on regular basis and daily during excavation works. The inspections will be carried out by supervisor that is responsible for the ongoing works. The following will be monitored:

- Supervise construction and excavation works and ensure that should a chance finds be identified; the procedure is implemented; and

- Monitor the appropriate actions are being implemented as a result of any identified noncompliance.

8.2. Auditing

Audits will be conducted annually by HSESS with the support of Site Manager / Project Manager in relation to the chance finds.

8.3. Non-Compliance Management

In the event that the implementation of the chance find procedure is failed to meet the regulation, HSESS will conduct an investigation into the issue.

If the investigations conclude there were no external influences and the non-compliance was solely due to construction activities, a review of appropriate remedial actions (e.g. further training) and/or changes to procedure will be investigated.

Details of all non-compliances and corrective actions taken will be included in the annual reports to Project Lenders.

9. REPORTING

9.1. Internal

HSESS will ensure that the following requirements to be reported to MCG Management as required:

- Summary of chance finds identified, procedure implemented and implementation result.
- Summary of any issues from site inspection reports and/or complaints (if any) received from local community relevant to this procedure

9.2. External

MCG will be responsible for commenting on the chance finds performance in their annual monitoring reports to the Project lenders

10. REFERENCES

- IFC Performance Standard 8 – Cultural Heritage (IFC, 2012)
- SMI International and Social Safeguard 8 – Cultural Heritage
- Indonesian Law no. 11 of 2010 regarding Cultural Heritage

11. ATTACHMENTS

Contact detail for chance find:

No	Local authorities / Position	Address	Telephone
1	Head of Village	-	MCG representative will maintain the contact number
2	Head of Tourism, Culture, Youth and Sports Office of Bondowoso	[REDACTED] No.33, Badean, Lumbung, Badean, Kec. Bondowoso	-
3	Head of Culture and Tourism Office of Banyuwangi	[REDACTED] No. 78 - Banyuwangi, 68416	[REDACTED]

12. FORMS

None