

GRMF E&S Requirements

Kick-off of the 5th Application Round & Programme Evaluation
10 Oct 2017, Nairobi



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The business of sustainability



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- Environmental, Social, Health and Safety (E&S) Requirements: Studies, Reporting and Timelines
 - Surface Studies
 - Exploration Drilling
- Additional Guidance, Links and Tools

GEOHERMAL RISK MITIGATION FACILITY FOR EASTERN AFRICA (GRMF) Developer Manual (Seventh Edition) 31 October 2016



GEOHERMAL RISK MITIGATION FACILITY
FOR EASTERN AFRICA (GRMF)



Developer Manual
(Seventh Edition)
31 October 2016

Project funded by:



BMZ

Bundesministerium für
wirtschaftliche Zusammenarbeit
und Entwicklung

KFW



TECHNICAL CONSULTANT

Rödl & Partner



- Chapter 11: Outlines requirements on management of Environmental, Social and Health & Safety risks

Grounds for Rejection (p. 29):

“They do not demonstrate that they will comply with relevant local and national environmental and social legislation as well as with the Applicable International Standards as explained in Chapter 11.”

E&S Requirements as per Developer Manual

Surface Studies

- Inception Report;
- Draft and Updated Stakeholder Engagement Plan (SEP);
- Scoping Report for Environmental and Social Impact Assessment report (ESIA);
- Any other E&S documentation required by national legislation.

Exploration Drilling

- ESIA;
- Environmental and Social Management Plan (ESMP) as result of ESIA process;
- SEP covering all project phases;
- Any other E&S management plans as identified as required and applicable (e.g. Resettlement Action Plan, - RAP
Livelihood Restoration Plan - LRP, etc.);
- Any other E&S documentation required by national legislation.

Application & Completion

Surface Studies

Surface Studies (Application)

- Inception Report (Screening)
 - Project description
 - Categorization of the Project as per IFC
 - Key E&S information on the area
 - Work plan for acquisition of further E&S Data and related activities during surface study phase
 - **NOTE:** E&S risk screening/ Categorisation as part of the Inception Report is key task within the ESIA process and also required by national environmental legislation
- Draft SEP
 - Overall approach for stakeholder engagement and corresponding activities to be undertaken (consider FPIC)
- ✓ **Reviewed by GRMF and subject to No Objection**
- ✓ **Approved documentation becomes part of the Grant Agreement**

Surface Studies

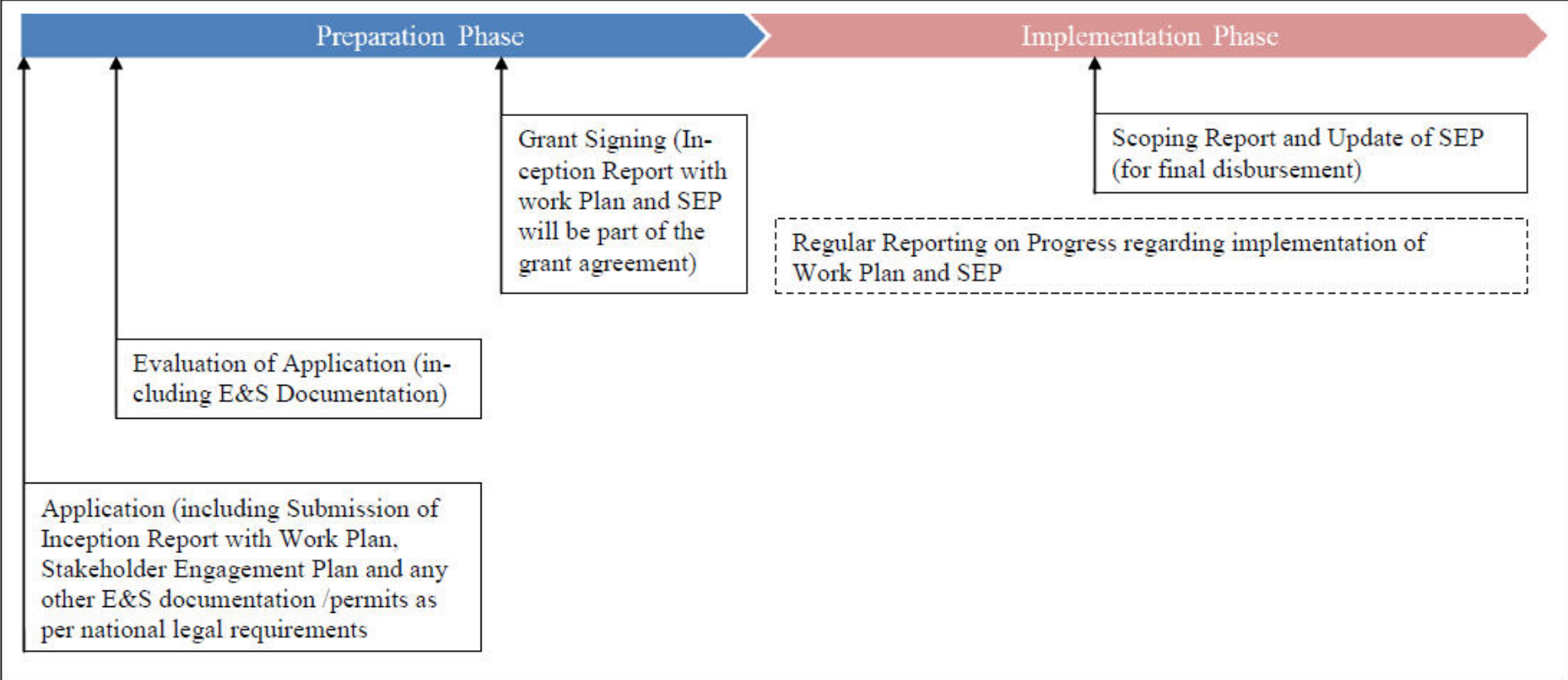
Surface Studies (Completion)

- Scoping Report
 - Objective is to identify those potential impact areas that need further investigation in the ESIA phase for Exploration Drilling
 - Define Area of Influence and ESIA Terms of Reference
- Updated SEP
 - Implementation of SEP/ consultation must have started during surface studies
- Any other E&S documentation required by national legislation
- ✓ Reviewed by GRMF and subject to “No Objection”
- ✓ Approved documentation becomes part of the Grant Agreement



Monthly Status Reporting during Surface Study phase (on stakeholder engagement and progress of studies)

Surface Studies



Exploration Drilling

Exploration Drilling (Application)

- ESIA (based on Screening and Scoping)
- ESMP
- SEP covering all project phases
- Any other E&S management plans as identified as required and applicable (Resettlement Action Plan, Livelihood Restoration Plan, Indigenous Peoples Plan, Community Investment Plan etc.)
- Any other E&S documentation required by national legislation

Exploration Drilling

Exploration Drilling (Application) (continued)

- ✓ GRMF Evaluation of Application: Environmental and Social Due Diligence (ESDD), comprising a Gap Analysis against the Applicable Standards
- ✓ Any gaps and respective actions to close these gaps become part of the Environmental and Social Action Plan (ESAP)
- ✓ ESAP will become integral part of the Grant Agreement
- ✓ Disbursements will require due implementation of the ESAP actions (Independent Review of Developer's E&S reports and "No Objection" from GRMF)



Monthly Status Reporting (on stakeholder engagement and progress of studies), review and approval by GRMF. In addition site visits will be conducted to observe ESAP alignment and progress

Exploration Drilling

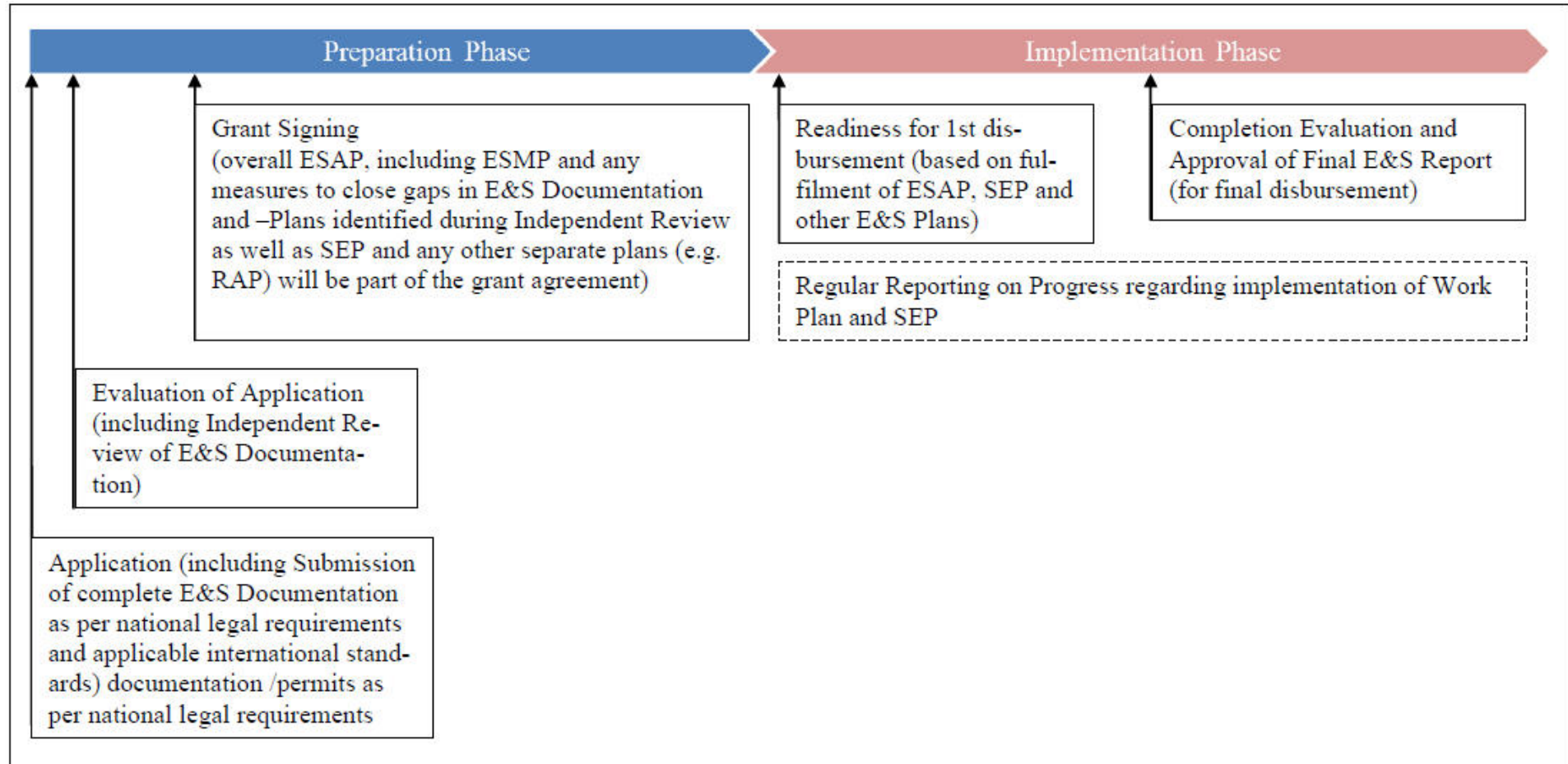
Exploration Drilling (Completion)

- Final E&S Report/ Completion Report, referring to full implementation of the ESAP including all sub-plans

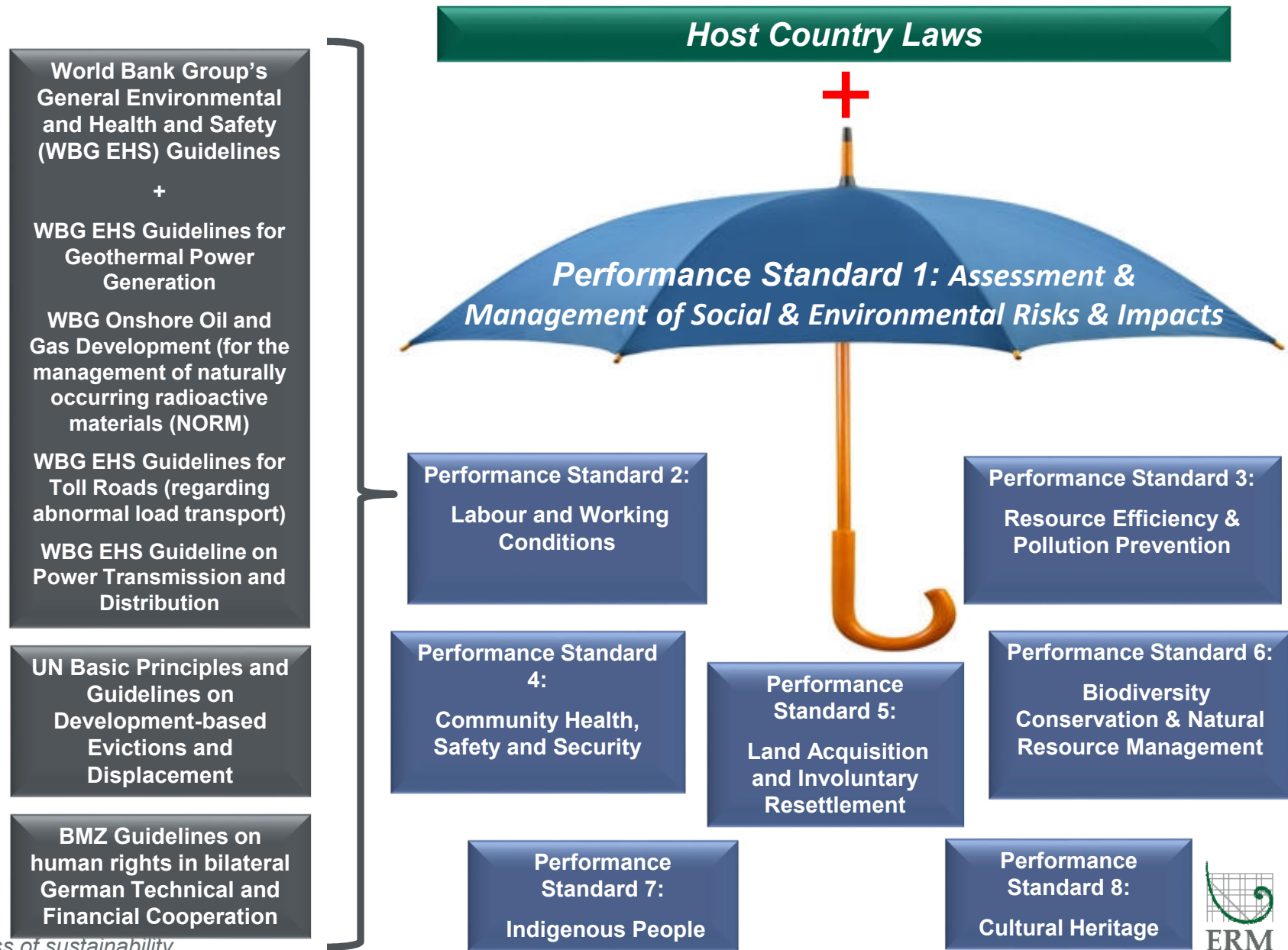


Final E&S Report. The Final E&S Report will be subject to independent Review and to “No Objection” by GRMF

Exploration Drilling



Applicable Standards



Applicable Standards and Further Guidance

- Previous Slide: IFC (2012): Sustainability Framework, including Performance Standards and WBG EHS Guidelines

Further Guidance

- SEP and Scoping Report Guidance and exemplary content provided in GRMF Developer Manual Annex
- IFC (2007): Stakeholder Engagement: A Good Practice Handbook for Companies Doing Business in Emerging Markets
- IFC (2009): Good Practice Note Addressing Grievances from Project-Affected Communities
- World Bank (2004): Involuntary Resettlement Sourcebook
- IFC (2002): Resettlement Handbook
- UN Basic Principles and Guidelines on Development-based Evictions and Displacement, namely §§ 42, 49, 52, 54 and 60
- BMZ Guidelines on Incorporating Human Rights Standards and Principles, Including Gender, in Programme Proposals for Bilateral German Technical and Financial Cooperation

E&S Reporting

Template for E&S Reporting will be attached to the grant contract

Environment	Regulatory Compliance	Energy and Resou	Environmental Mon	Human Resources M	Stakeholder Engagement and CSR/Community Development Activities
<p>Project Name and Location</p> <p>Date (Day/Month/Year):</p>	<p>Permits</p> <p>List the permits that are needed:</p>	<p>Source and volume of water (for the reporting period):</p>	<p>Parameter¹</p>	<p>(18) employment during the reporting period:</p>	
<p>To be filled out by the Please use as much as possible Attach any relevant documents</p>	<p>Permit: Permit Conditions:</p>	<p>Waste water volume (for reporting period):</p>	<p>Waste Water</p>	<p>Have there been any changes in terms and conditions (contract level, normal, overtime etc) during the reporting period?</p>	Land Acquisition and Involuntary Resettlement (If Applicable)
Details on the Project	<p>Permit: Permit Conditions:</p>	<p>Electricity use (per month):</p>	<p>Parameter 1</p>	<p>Have there been any changes in terms and conditions (contract recognition or negotiation) during reporting period?</p>	<p>Please summarize any progress made during the reporting period in the implementation of the Resettlement Action Plan/Livelihood Restoration Framework (LRF). Please provide copy of updated RAF/LRF.</p>
<p>Developer Name:</p>	<p>Permit: Permit Conditions:</p>	<p>If applicable, use of fire (per month for the reporting period):</p>	<p>Air Emissions</p>	<p>Were there any collective actions during the reporting period?</p>	<p>Have all the affected persons been fully compensated for their physical displacement and, if applicable, any economic losses resulting from the project?</p>
<p>Country:</p>	<p>Permit: Permit Conditions:</p>	<p>Geothermal fluids (per month):</p>	<p>Parameter 1</p>	<p>Are there any planned road additions to the workforce?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>City/Location:</p>	<p>Permit: Permit Conditions:</p>	<p>Environmental Monitoring</p>	<p>Solid Waste</p>	<p>Please provide any details on the reporting period.</p>	<p>If no, specify how many compensation payments are outstanding (in terms of number and percentage of payment amounts) and state when these payments are expected.</p>
<p>Company authorized representative I certify that the data on this report is true and correct.</p>	<p>How many inspections did you receive from the local authorities during reporting period (environment and safety/ labour)?</p>	<p>Have there been any soil pollution of water, soil or air?</p>	<p>Please provide volume of waste management plan if available where wastes are classified.</p>	<p>Occupational Health</p>	<p>Please provide a status update of the implementation of livelihood restoration activities as stipulated within the RAF.</p>
<p>Name:</p>	<p>Have there been any visits from the local authorities during reporting period (environment and safety/ labour)?</p>	<p>Are materials and equipment up of spills and emergency available onsite?</p>	<p>If applicable, is waste management compliance with national standards?</p>	<p>In addition to the data file, implementation:</p>	<p>Has there been any new land acquired during the reporting period for this project?</p>
<p>Signature:</p>	<p>Is the project compliant with environmental and social laws/regulations?</p>	<p>Has there been any soil sediment loads, storm water or other pollutants?</p>	<p>Have any Naturally Occurring Materials (NORM) been detected during the drilling?</p>	<p>Fatalities²:</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, explain the extent of the land acquisition and diligence conducted.</p>
<p>Title:</p>	<p>Have any operations been temporarily suspended or closed due to environmental, health or labour reasons?</p>	<p>Has there been any impact process efficiency, waste or other schemes (energy conservation)?</p>	<p>Other Parameters</p>	<p>Total number of lost workdays³:</p>	<p>Please provide copy of RAF/LRF, including compensation and details on compensation rates.</p>
<p>Contact details of responsible person</p>	<p>Please describe any third party involvement.</p>	<p>Has there been any vegetation during the breeding season reporting period?</p>	<p>Noise - at the project fence line</p>	<p>Incidence⁴ during this reporting period:</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, please summarize and provide a copy of the IPP.</p>
Project Description	Implementation Status	<p>If applicable, please summarize any other relevant information.</p>	<p>Noise - at the closest sensitive receptor</p>	<p>Have there been any changes in safety policies during the reporting period?</p>	Indigenous Peoples (If Applicable)
<p>Short Project Description</p>	<p>The following listed Environmental Monitoring Report (one-time):</p>	<p>Has there been any habitat mortality of wildlife due to project activities (please specify traffic routes)?</p>	<p>(Other)</p>	<p>Has there been any work on safety during the reporting period?</p>	<p>Have there been any changes to the Indigenous Peoples Plan (IPP) or Framework (IPF)?</p>
<ul style="list-style-type: none"> Project phase Project location Size/area (m²) Special case Number of employees Any related projects Known social impacts 	<p>Document Name</p>	<p>Has there been any vegetation during the breeding season reporting period?</p>	<p>How many permanent workers at the site?</p>	<p>Have there been any traffic project vehicles outside of the reporting period?</p>	<p>Please highlight which stakeholder engagement activities detailed above related specifically to indigenous peoples.</p>
<p>Activities completed as of:</p>	<p>Start</p>	<p>Is soil erosion or landslides at the project area?</p>	<p>How many temporary workers at the site?</p>	<p>Have there been any work on safety during the reporting period?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, please summarize and provide a copy of the IPP.</p>
<p>Activities planned next:</p>	<p>End</p>	<p>Has there been any water degradation of surface or quality due to accidental or geothermal fluids?</p>	<p>Did numbers change in compliance reporting period?</p>	<p>Have there been any work on safety during the reporting period?</p>	<p>Please summarize any stakeholder engagement activities detailed above related specifically to indigenous peoples.</p>
<p>Engaged start of gender:</p>	<p>Start</p>	<p>Has there been any dam, disturbance, or removal of previously undiscovered heritage resources, paleontological sites?</p>	<p>Have there been any changes in terms and conditions (contract discrimination and equal opportunities) during the reporting period?</p>	<p>Please summarize any work on safety during the reporting period?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, please summarize below and provide copies of disputes.</p>
<p>Have there been any environmental or social impacts caused damage, injuries or fatalities, effects on labour or local community property, or on the company?</p>	<p>End</p>	<p>Has there been any dam, disturbance, or removal of previously undiscovered heritage resources, paleontological sites?</p>	<p>Have there been any changes in terms and conditions (contract) during the reporting period?</p>	<p>Please summarize any work on safety during the reporting period?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, please describe:</p>
<p>Changes in compensation:</p>	<p>End</p>	<p>Has there been any dam, disturbance, or removal of previously undiscovered heritage resources, paleontological sites?</p>	<p>How many permanent workers at the site?</p>	<p>Please summarize any work on safety during the reporting period?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, please summarize below and provide copies of disputes.</p>
EHS&S Monitoring	EHS&S Monitoring	EHS&S Monitoring	EHS&S Monitoring	EHS&S Monitoring	EHS&S Monitoring

Categorisation as part of Inception Report

Category A: Business activities with potential significant adverse environmental or social risks and/or impacts that are diverse, irreversible, or unprecedented.

Category B: Business activities with potential limited adverse environmental or social risks and/or impacts that are few in number, generally site-specific, largely reversible, and readily addressed through mitigation measures.

Category C: Business activities with minimal or no adverse environmental or social risks and/or impacts.

Questions to Screen E&S Categorisation of Projects

Can you exclude that the Project will have a high consumption of natural resources (e.g. timber, water, land, etc.)?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Can you exclude that land acquisition based on expropriation and/or resettlement of people will be required for the Project (during preparation, construction or operation).	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Can you exclude any impacts on protected areas (such as Nature Reserve, National Park), natural habitats (such as forests, wetlands) or species of concern (e.g. Red List species, endemic species, species of spiritual or economic value to neighboring communities)?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Can you exclude that indigenous groups live in or close to the Project area (permanent or temporarily)?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Can you exclude any impact on cultural heritage (e.g. places of worship, temple, graves etc.)?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Can you exclude negative long term impacts on the human environment e.g. through air pollution , water pollution , noise generation, odour , etc.?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Can you exclude that neighbouring countries are affected by environmental or social impacts of the Project (transboundary impact), e.g. water scarcity of downstream countries due to hydropower project?	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>

Asante Sana - Thank You

Vielen Dank- Þakka þér



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