

## ENVIRONMENTAL AND SOCIAL COMMITMENT PLAN

ACCELERATING RENEWABLE ENERGY INTEGRATION AND SUSTAINABLE ENERGY (ARISE) PROJECT (P172788)

## The Republic of Maldives Accelerating Renewable Energy Integration and Sustainable Energy

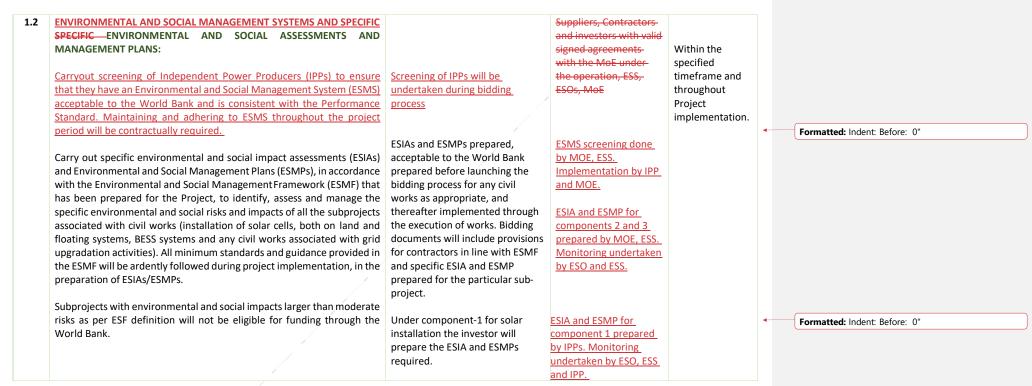
## ENVIRONMENTAL AND SOCIAL COMMITMENT PLAN

- The Republic of Maldives is planning to implement the Accelerating Renewable Energy Integration and Sustainable Energy (ARISE) (the *Project*), with the involvement of the following Ministries/agencies/units: The Ministry of Environment, State Electric Company Limited (STELCO) and Fenaka Corporation Limited (incase the electricity service provider within the project implementation area changes during project implementation stage the new party will become a project implementation partner). The International Development Association (IDA), hereinafter the Bank/the Association, has agreed to provide financing for the Project.
- The Republic of Maldives will implement material measures and actions so that the Project is implemented in accordance with the World Bank Environmental and Social Standards (*ESSs*). This Environmental and Social Commitment Plan (*ESCP*) sets out a summary of the material measures and actions.
- 3. Where the ESCP refers to specific plans or other documents, whether they have already been prepared or are to be developed, the ESCP requires compliance with all provisions of such plans or other documents. In particular, the ESCP requires compliance with the provisions set out in the Stakeholder Engagement Plan and Labor Management procedures that have been developed for the Project.
- 4. The table below summarizes the material measures and actions that are required as well as the timing of the material measures and actions. The Republic of Maldives is responsible for compliance with all requirements of the ESCP even when implementation of specific measures and actions is conducted by the Ministry, agency or unit referenced in 1. above.
- 5. Implementation of the material measures and actions set out in this ESCP will be monitored and reported to the Bank by Republic of Maldives as required by the ESCP and the conditions of the legal agreement, and the Bank will monitor and assess progress and completion of the material measures and actions throughout implementation of the Project.
- 6. As agreed by the Bank and Republic of Maldives, this ESCP may be revised from time to time during Project implementation, to reflect adaptive management of Project changes and unforeseen circumstances or in response to assessment of Project performance conducted under the ESCP itself. In such circumstances, Republic of Maldives will agree to the changes with the Bank and will update the ESCP to reflect such changes. Agreement on changes to the ESCP will be documented through the exchange of letters signed between the Bank and the Republic of Maldives. The Republic of Maldives will promptly disclose the updated ESCP. Depending on the project, the ESCP may also specify the funding necessary for completion of a measure or action.
- 7. Where Project changes, unforeseen circumstances, or Project performance result in changes to the risks and impacts during Project implementation, the Republic of Maldives shall provide additional funds, if needed, to implement actions and measures to address such risks and impacts.

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| Accelerating Renewable Energy Integration and Sustainable Energy   |   |   |   |  |  |  |
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| ENVIRONMENTAL AND SOCIAL COMMITMENT PLAN   |   |   |   |  |  |  |
| Summary of the Material Measures and Actions to Mitigate the<br>Project's Potential Environmental and Social Risks and Impacts   | Timeframe   | Responsibility /<br>Authority and<br>Resources/Funding<br>Committed   | Date of<br>Completion                   |  |  |  |
| ESCP Monitoring and Reporting  |   |   |   |  |  |  |
| <ul> <li>REGULAR REPORTING: Prepare &amp; submit to the Bank regular monitoring reports on the environmental, social, health and safety issues &amp; performance of the Project, including but not limited to the implementation of the ESCP, status of preparation and implementation of E&amp;S documents required under the ESCP, stakeholder engagement activities, functioning of the grievance mechanism(s).</li> <li>Collaborate with other agencies and third parties, such as the Island Councils, STELCO and FENAKA, who are responsible for managing specific risks and impacts and implementing mitigation measures to establish such mitigation measures to gather inputs for reporting.</li> </ul> |   | Environmental and<br>Social Specialist of the<br>PMU (ESS),<br>Environmental and<br>Social Officers (ESSOs),<br>Communications<br>Specialist (CS) and<br>Project Management<br>Specialist (PMS) of the<br>PMU, Ministry of<br>Environment (MOE) | Throughout<br>Project<br>implementatio  |  |  |  |
| Ensure that adequate institutional arrangements, systems, resources<br>and personnel are in place to carry out monitoring of E&S issues including<br>Environmental/field officers.   | Within 1 month of project effectiveness                 | PMS, MoE  | Throughout<br>Project<br>implementatio  |  |  |  |
| <b>INCIDENTS AND ACCIDENTS NOTIFICATION</b> : Promptly notify the Bank of any incident, including GBV, or accident related to the Project which has, or is likely to have, a significant adverse effect on the environment, the affected communities, the public or workers.   | Within 24 hours of the incident taking place            | ESS, ESOs, PMS, MoE   | Throughout<br>Project<br>implementation |  |  |  |
| Provide sufficient detail regarding the incident or accident, indicating immediate measures taken or that are planned to be taken to address it, and any information provided by any contractor and supervising entity, as appropriate.  | Within three days of the incident/accident taking place | ESS, ESOs, PMS, MoE   | Throughout<br>Project<br>implementatio  |  |  |  |

|       | Prepare a report on the incident or accident and propose any measures to prevent its recurrence.   | Within 7 days of the incident/accident taking place | ESS, ESOs, PMS, MoE  | Throughout<br>Project<br>implementation. |
|-------|--|---|--|--|
|       | SUPPLIERS/ CONTRACTOR'S MONTHLY REPORTS Ensure that<br>supplier/contractors/investors who have signed agreements on suppling<br>BESS systems/ solar systems/ grid infrastructure submit their monthly<br>performance reports, including implementation of their respective<br>ESMP, to the PMU.  | Monthly, within 5 days of the end<br>of the month   | Suppliers,<br>Contractors and<br>investors with valid<br>signed agreements<br>with the MoE under<br>the operation, ESS,<br>ESOs, MoE | Throughout<br>Project<br>implementation. |
|       | Submit the contractor's monthly reports to the Bank, upon request.   | Upon Request by the World Bank                      | ESS, ESOs, MoE   | Throughout<br>Project<br>implementation. |
| SUM   | MARY ASSESSMENT  |   |  |  |
| ESS 1 | : ASSESSMENT AND MANAGEMENT OF ENVIRONMENTAL AND SOCI  | AL RISKS AND IMPACTS                                |  |  |
| 1.1   | ORGANIZATIONAL STRUCTURE:<br>Establish an organizational structure with qualified staff to support<br>management of E&S risks of the Project. One (1) Environment and<br>Social Specialist (ESS) and Communications Specialist (CS) to assist with<br>social safeguards and awareness to be recruited at PMU level.<br>Environmental and Social Officers/Focal points (ESSO) need to be<br>identified from each project location by the electricity service provider<br>(at the moment STELCO or Fenaka) should be assigned/ recruited to<br>assist the team in environmental screening and monitoring activities. | Within 90 days of the project effectiveness date.   | PMS, MoE, Stelco,<br>Fenaka  | Throughout<br>Project<br>implementation. |



| 1.3 | MANAGEMENT TOOLS AND INSTRUMENTS:<br>The following tools will be developed and implemented for each<br>subproject site where civil works will be undertaken as part of the ESMP:<br>OHS management plan<br>Site rehabilitation plan   | Before the commencement of civil works.   | Suppliers, Contractors<br>and investors with valid<br>signed agreements<br>with the MoE under<br>the operation, ESS,<br>ESOs, MoE | July 1 <sup>st</sup> 2020 for<br>the first set of<br>construction<br>works.<br>The rest of the<br>construction<br>activities will be<br>preceded by<br>approved plans. |
|-----|---|---|---|--|
| 1.4 | MANAGEMENT OF CONTRACTORS:<br>For All Contracts Management by the PMU<br>Ensure that all suppliers/contractors have the necessary capacity to<br>comply with the corresponding ESIAs/ESMPs in accordance with the<br>ESMF and the Project's Labor Management Procedures throughout_<br>their contract. This includes ensuring that the procurement documents<br>include the necessary technical specifications for the adequate handling<br>of issues contained in the specific ESIAs/ESMPs and Labor Management<br>Procedures. MINEDUC will also ensure that;<br>a) All implementing partners to have Environment and Social Staff | Development of procedures:<br>August 2020_<br>Implementation: whole life<br>of the project. | MoE, ESS, ESOs,   | August 2020  |
|     | b) Ensure that GBV code of conduct are included in service providers<br>tender documents in accordance with national laws and the bank ESF<br>requirements.   |   |   |  |

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|     | their contract. This includes ensuring that the procurement documents<br>include the necessary technical specifications for the adequate handling<br>of issues contained in the specific ESIAs/ESMPs and Labor Management-<br>Procedures. MINEDUC will also ensure that;   | Implementation: whole life of the project.   |   |  |
|-----|--|--|---|--|
|     | a) All implementing partners to have Environment and Social Staff<br>Ensure that GBV code of conduct are included in service providers<br>tender documents in accordance with national laws and the bank<br>ESF requirements.  |  |   |  |
| 1.5 | <ul> <li>PERMIT, CONSENTS AND AUTHORIZATIONS:</li> <li>Obtain or assist in obtaining, as appropriate, the permits, consents and authorizations that are applicable to the Project from relevant national authorities.</li> <li>MoE shall obtain environmental certification and building permits, from the respective authorizing agencies, prior to the commencement of any construction activities.</li> <li>All construction materials shall be sourced from authorized sites.</li> </ul> | ESIA/ESMP Clearance from the<br>EPA and World Bank Clearance:<br>before the commencement of<br>construction works subject to<br>ESIA;<br>Other permits, consents and<br>authorizations: before<br>commencement of related<br>project activities; | Suppliers, Contractors<br>and investors with valid<br>signed agreements<br>with the MoE under<br>the operation, ESS,<br>ESOs, MoE | Throughout<br>Project<br>implementation. |
| 1.6 | LEASE AGREEMENTS:<br>MOU will be signed with landowner confirming space for rooftop solar  | Implementation and compliance:<br>throughout the project life<br>Prior to commencement of civil  | MoE, ESOs, ESS, Legal   | Throughout                               |
|     | PV.<br>A Space Lease Agreement will be signed between the roof owner and<br>the investor confirming the space.<br>Purchase land on a willing-buyer-willing-seller approach (i.e., as a<br>private transaction with no involuntary resettlement impacts) for<br>ground-mounted PV installations   | works  | Specialist (LS)   | project<br>implementation                |
| 1.7 | <b>TECHNICAL ASSISTANCE</b> :<br>Ensure that terms of reference for studies, capacity building, training<br>and any outputs of technical assistance provided under the Project, are<br>acceptable to the Association and duly incorporate and take into<br>consideration the requirements of the ESSs.   | Throughout Project implementation.   | MoE, ESS  | Throughout<br>Project<br>implementation. |

## ESS 2: LABOUR AND WORKING CONDITIONS 2.1 LABOR MANAGEMENT PROCEDURES: Throughout the project period Throughout Implement the labor management procedures (LMP) prepared in MoE, ESOs, ESS accordance with the requirements of national law and ESS2, which Project clearly spells out the (i) terms and conditions of employment; (ii) implementation. measures to ensure nondiscrimination and equal opportunity; (iii) provisions to form workers' organizations; and (iv) prevention of child and forced labor **GRIEVANCE MECHANISM FOR PROJECT WORKERS:** 2.2 The project will establish and operationalize a Grievance Mechanism for Before start of civil works MoE, ESOs, CS, ESS Throughout the workers as per the Labor Laws of the Government of Maldives and project stipulated in the LMP. implementation 2.3 OHS MEASURES: Prepare and implement appropriate occupational health and safety Before commencement of civil Suppliers, Contractors Throughout the measures (OHS), including emergency preparedness and response works. and investors with valid execution of the measures, as part of the development and implementation process of signed agreements project the corresponding ESMPs, in accordance with the guidelines contained with the MoE under in the ESMF and the Labor Management Procedures the operation, ESS, ESOs, MoE Applicability and Approach: a) Employers and supervisors are obliged to implement all reasonable precautions to protect the health and safety of workers. b) The contractor will hire a technical staff capable to manage the occupational health and safety issues of their employees.

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| 2.4 | EMERGENCY PREPAREDNESS AND RESPONSE:   |  |  |  |  |
|-----|--|--|--|--|--|
| 2.4 | <ul> <li>EMERGENCY PREPAREDNESS AND RESPONSE:</li> <li>Prepare and implement appropriate Emergency Preparedness and<br/>Response (EPR), as part of the development and implementation process<br/>of the corresponding ESMPs, in accordance with the guidelines contained<br/>in the ESMF and the Labor Management Procedures</li> <li>The emergence Preparedness and Response will include:</li> <li>a) engineering controls (such as containment, automatic alarms, and<br/>shut-off systems) commensurate with the nature and scale of the<br/>hazard;</li> <li>b) identification of and secure access to emergency equipment<br/>available on-site and nearby;</li> <li>c) notification procedures for designated emergency responders;</li> </ul> | Maintained throughout Project  | Suppliers, Contractors<br>and investors with valid<br>signed agreements<br>with the MoE under<br>the operation, ESS,<br>ESOs, MoE        | Throughout the<br>execution of the<br>project  |  |
|     | <ul> <li><u>c)</u> notification procedures for designated emergency responders;</li> <li><u>d)</u> Training program for emergency responders including drills at regular intervals;</li> <li><u>e)</u> Public evacuation procedures;</li> <li><u>f)</u> Designated coordinator for ERP implementation;</li> <li><u>g)</u> Measures for restoration and clean-up of the environment following any major accident;</li> <li><u>c)</u><u>h)</u> Documentation of emergency preparedness and response activities, resources, and responsibilities.</li> </ul>  |  |  |  |  |
| 2.5 | PROJECT WORKERS TRAINING:<br>Training will be provided to workers in hygiene, health and safety, sexual<br>transmitted diseases, Gender based violence/exploitation and sexual<br>abuse.   | August 2019, prior to<br>commencement of construction,<br>with regular site training sessions. | Suppliers, Contractors<br>and investors with<br>valid signed<br>agreements with the<br>MoE under the<br>operation, ESS, CS,<br>ESOS, MOE | Within the<br>specified<br>timeframe and<br>throughout<br>Project<br>implementatio<br>n. | Formatted: Indent: Before: 0.12"         Formatted: Indent: Before: 0.1", After: 0.09"         Formatted: Indent: Before: 0.1", After: 0.13"         Formatted: After: 0.07" |

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| 4.1                  | <b>TRAFFIC AND ROAD SAFETY</b> :<br>Appropriate measures will be identified, and plans prepared to ensure<br>road safety and minimize traffic accidents. These will be part of the site<br>specific ESMPs/ESIAs.   | Throughout project implementation  | MoE, ESOs, CS, ESS   | Throughout<br>project<br>implementation  |   |
| ESS 4:               | COMMUNITY HEALTH AND SAFETY  |                                    |  |  |   |
| 3.2                  | <b>Resource Efficiency:</b> Feasible measures (financial and technical) for improving efficiency in consumption of energy and water, as well as other resources and material inputs will be identified through the specific ESIAs and ESMPs to be prepared under action 1.2.   | Throughout project implementation. | MoE, ESOs, ESS   | Throughout<br>project<br>implementation.   |   |
| 2.5<br>ESS 3:<br>3.1 | <ul> <li>f) Designated coordinator for ERP implementation;</li> <li>g) Measures for restoration and clean up of the environment<br/>following any major accident;</li> <li>h) Documentation of emergency preparedness and response<br/>activities, resources, and responsibilities.</li> <li>PROJECT WORKERS TRAINING:<br/>Training will be provided to workers in hygiene, health and safety, sexual<br/>transmitted diseases, Gender based violence/exploitation and sexual<br/>abuse.</li> <li>RESOURCE EFFICIENCY AND POLLUTION PREVENTION AND MANAGE<br/>MANAGEMENT OF WASTE AND HAZARDOUS MATERIALS:<br/>Measures to effectively manage wastes and hazardous materials will be<br/>identified and included as part of the specific ESIAs/ESMPs to be<br/>prepared under action 1.2, managed as per the minimum standards<br/>stipulated in the project ESMF and also stipulated as cradle to grave<br/>management conditions in the Power Purchase Agreements and MOUs<br/>signed with suppliers/investors of solar cells and BESS operating systems.</li> </ul> | Throughout project                 | Suppliers, Contractors-<br>and investors with valid<br>signed agreements-<br>with the MoE under-<br>the operation, ESS, CS,<br>ESOs, MoE<br>MoE, ESOs, ESS | Within the<br>specified<br>timeframe and<br>throughout<br>Project<br>implementation. | Formatted: Font 12 pt, Complex Script Font 12 |
|                      | <ul> <li>d) Training program for emergency responders including drills at<br/>regular intervals;</li> <li>e) Public evacuation procedures;</li> </ul>  |                                    |  |  |   |

| 4.2    | <b>COMMUNITY HEALTH AND SAFETY:</b><br>The site specific ESMPs/ESIAs will incorporate appropriate measures to effectively mitigate potential risks and impacts of the project to the community and ecosystems.  | Throughout project implementation   | MoE, ESOs, CS, ESS | Throughout<br>project<br>implementation  |  |
|--------|---|---|--------------------|--|--|
| 4.3    | <b>GBV AND SEA RISKS</b> :<br>The site specific ESMPs/ESIAs will assess the risks of gender-based violence ( <i>GBV</i> ) and sexual exploitation and abuse ( <i>SEA</i> ); and incorporate appropriate measures mange these risks.<br>The plans will also include awareness raising sessions to educate workers and local communities on GBV/SEA issues.   | Throughout project implementation   | MoE, ESOs, CS, ESS | Throughout<br>project<br>implementation  |  |
| 4.4    | GBV AND SEA RISKS DURING PROJECT IMPLEMENTATION:<br>Part 2.3 aimed at addressing GBV/SEA issues under this Project, which<br>will support gender sensitive consultations and awareness activities and<br>trainings.   | Throughout Project implementation.  | MoE, ESOs,CS, ESS  | Throughout<br>Project<br>implementation. |  |
| 4.5    | <b>EMERGENCY RESPONSE MEASURES</b> :<br>Throughout the life cycle of the project, there will be continuous<br>assessment of possible risks to the communities as it relates to<br>emergency incidents such as the uncontrolled release of pollutants and<br>fire, accidents, etc. Emergency plans shall be prepared and<br>operationalized. The plans shall entail response procedures;<br>communication protocols; and staffing and training requirements for<br>their effective implementation. | November 2019 prior to<br>commencement of construction<br>and maintain during the project<br>timeline | MoE, ESOs, CS, ESS | September 2025                           |  |
| ESS 5: | LAND ACQUISITION, RESTRICTIONS ON LAND USE AND INVOLUNT   | ARY RESETTLEMENT  |                    |  | Formatted: Font: 12 pt, Complex Script Font: 12 pt |
|        | This standard is not relevant for the Project.<br>Sub-project requiring land acquisition from private parties will not be<br>eligible for funding from the World Bank.  |   |                    | Not applicable                           |  |
| ESS 6  | BIODIVERSITY RISKS AND IMPACTS:   |   |                    |  | Formatted: Font: 12 pt, Complex Script Font: 12 pt |
| 6.1    | Measures to effectively manage risks and impacts on biodiversity will<br>be identified and included as part of the specific ESIAs/ESMPs to be<br>prepared under action 1.2  | Prior to commencement of each<br>sub-project and maintained<br>during construction                    | MoE, ESOs, ESS     |  |  |

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| SS 7: | : INDIGENOUS PEOPLES/SUB-SAHARAN AFRICAN HISTORICALLY UN  | IDERSERVED TRADITIONAL LOCAL  | COMMUNITIES        | Throughout<br>project<br>implementation  | Formatted: Font: 12 pt, Complex Script Font: 12 p  |
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|       | This standard is not relevant for the Project.  |   |                    |  | Formatted. Fond 12 pt, complex script Fond 12 p    |
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| .1    | CHANCE FINDS:<br>The ESMPs/ESIA to be prepared (action 1.2) will incorporate chance<br>find procedures in case valuable artefacts or culturally valuable<br>materials are found during project implementation.  | Prior to commencement of each<br>sub-project and maintained<br>during construction  | MoE, ESOs, ESS     | Throughout<br>project<br>implementation  |  |
| .2    | CULTURAL HERITAGE:<br>The ESMPs/ESIA to be prepared (action 1.2) will incorporate chance<br>find procedures in case valuable artefacts or culturally valuable<br>materials are found during project implementation.   | Prior to commencement of each<br>sub-project and maintained<br>during construction  | MoE, ESOs, ESS     | Throughout<br>project<br>implementation  |  |
| SS 9: | : FINANCIAL INTERMEDIARIES  |   |                    |  | Formatted: Font: 12 pt, Complex Script Font: 12 pt |
|       | This standard is not relevant for the Project.  |   |                    | Not applicable   |  |
| SS 1( | 0: STAKEHOLDER ENGAGEMENT AND INFORMATION DISCLOSURE  |   |                    |  | Formatted: Font: 12 pt, Complex Script Font: 12 pt |
| 0.1   | STAKEHOLDER ENGAGEMENT PLAN (SEP) PREPARATION AND<br>IMPLEMENTATION:Develop and implement a Stakeholder Engagement Plan (SEP), to<br>ensure engagement with the project-affected communities and other<br>stakeholders throughout Project implementation.As committed in SEP, annual reports of stakeholder engagement<br>activities undertaken by the project will be prepared and disclosed<br>publicly through the website of the Ministry. The SEP will be reviewed<br>durig mid-term and revised if necessary. | SEP already prepared. Will be<br>implemented throughout Project<br>implementation and reviewed<br>during the MTR and annual<br>reporting. | MoE, ESOs, ESS, CS | Within the<br>specified<br>timeframe<br>throughout<br>Project<br>implementation. |  |
| 0.2   | PROJECT GRIEVANCE MECHANISM:  |   |                    |  |  |

| Establish, maintain and operate a grievance mechanis<br>reception and timely response to any complaints mad<br>Project (including those from members of the commu<br>businesses and other stakeholders), as described in th | le about the<br>inities, local                        | The grievance mechanism will be<br>established by August 2020, prior<br>to commencement of the Project,<br>and will be maintained and<br>operated throughout Project<br>implementation. |   | MoE, ESOs, ESS, CS              | Within the<br>specified<br>timeframe,<br>throughout<br>Project<br>implementation. |  |
|---|---|---|---|---------------------------------|---|--|
| Capacity Support (CS standards for Contractors/Supplie  | ers)  |   |   |                                 |   |  |
| Specify Training to be provided   | Specify Targeted Groups and<br>Timeframe for Delivery |   |   | Specify Training Completed      |   |  |
| Introduction to ESF, Processes and best practices as<br>per the ESMF  | E&S specialist, ESO, IP <u>P</u> s                    |   |   | ect commencement an<br>midterm. | d refresher at  |  |
| Environment and social monitoring and reporting   | E&S specialist, ESO, CS                               |   | At project commencement and refresher at project midterm. |                                 |   |  |
| Training on Stakeholder engagement and consultation   | E&S specialist, ESO, CS                               |   | At project commencement and refresher at project midterm. |                                 |   |  |
| Use of Personal Protective Equipment (PPE)  | E&S specialist, ESO, IPs, CS                          |   | Continuous throughout Project timeline                    |                                 |   |  |
| Emergency Preparedness and Response   | Site Engineers  | and Project Manager   | A mont  | h prior the Sub-Project         | commencement  |  |
| Occupational health and safety including on<br>emergency prevention and preparedness and<br>response arrangements to emergency situations.  | All workers and Project staff                         |   | Continuous throughout Project timeline                    |                                 |   |  |
| Environmental Awareness   | All workers and project staff                         |   | Continuous throughout the project implementation          |                                 | oject   |  |
| Gender Based Violence (GBV) and Sexual Exploitation and Abuse (SEA)   | All workers and project staff                         |   | Continuous throughout the project implementation          |                                 | oject   |  |
| Sexually Transmitted Diseases (STDs) and other communicable diseases  | All workers and project staff                         |   | Continuous throughout the project implementation          |                                 | oject   |  |