

PT. Sarana Multi Infrastruktur (Persero)
Geothermal Energy Upstream Development Project (GEUDP)

Terms of Reference for Environmental Specialist (Project Management Unit)

Introduction

The Government of Indonesia is setting up a government-sponsored exploration drilling program in partnership with the World Bank under the Geothermal Energy Upstream Development Project (GEUDP). PT. Sarana Multi Infrastruktur (PT SMI) will be the implementing agency for the program based on the assignment from The Ministry of Finance of The Republic of Indonesia. From the technical point of view, The Ministry of Energy and Mineral Resources (Ditjen EBTKE and Badan Geologi) will take part actively in the program. The project will be funded by Clean Technology Fund (CTF) and Global Environment Facility (GEF) administered by The World Bank.

The program will be focused on green field areas in eastern part of Indonesia, based on a recommendation from The Ministry of Energy and Mineral Resources (MEMR). This activities is carried out to accelerate renewable energy development in Indonesia and to promote sustainable development in energy sector. Four to five projects are expected to be financed under this program and including project activities such as geology/geophysics/geochemistry surveys, environmental and social study, infrastructure development, drilling, and well testing.

PT. SMI will establish a project management unit (PMU) based in Jakarta to assist the implementation agencies in project implementation. The PMU will ensure operational compliance with project manuals and the World Bank polices, as defined in the Grant Agreement, Project Appraisal Document, Project Implementation Manual (PIM), and applicable government policies. The PMU will also be responsible for ensuring effective inter-ministerial coordination between Ministry of Finance (MoF) and Ministry of Energy & Mineral Resources (MEMR), local government, as well as providing technical and coordination support to the Joint Committee during project implementation. The PMU will also be responsible to manage and supervise the Exploration Site Team which will be established and based in specific projects location.

The PMU will be led by Head of PMU, supported by a Project Manager with two Deputies for Operational and Planning/Administration. The PMU will include a team of specialized staff responsible for project management, procurement and contract management, financial management, project control, environmental safeguards and social safeguards.

Objectives of the Assignment

The objectives of the assignment are to:

1. Provide overall environmental management oversight during the implementation of GEUDP, supporting and advising the PMU and PT SMI Environmental and Social Safeguard (ESS) team in addressing a variety of environmental issues at all the stages of the implementation of the GEUDP and in environment related training/awareness raising and coordination activities.
2. Implement environmental related activities as outlined in the Environmental and Social Management Framework (ESMF) of the project.
3. Prepare necessary documents, such as environmental guidelines and tools in consultation with stakeholders and help the PMU in commissioning and managing additional and/ or special studies/assessment, if necessary.

The Environmental Specialist will report to the Operational Deputy of the PMU. The successful applicant will work with the PMU and the Environmental and Social Safeguard team of PT SMI, and have frequent interactions with World Bank staff.

Duties and Responsibilities

Under the supervision of the Operational Deputy of the PMU, the Environmental Specialist will work closely with PT SMI ESS division and other related departments of PT SMI in relation to all Environmental aspects of the project's operations. This will include, but not limited to:

- a. Ensuring that each subproject and activities under the project is subjected to the Project ESMF process and procedures;
- b. Prepare guidelines, tools and notes for use in the project based on relevant environmental policies, acts and regulations/ directives of the Government of Indonesia (GoI) and relevant safeguard policies of World Bank Group and the ESMF of GEUDP;
- c. Carry out environmental screening of subprojects and activities, and help to prepare subproject or Environmental Management Plans (EMPs);
- d. Organize environmental orientation & awareness, and training for project partners as well as local community;
- e. Help commissioning and managing Initial Environmental Examination (IEE) if necessary and other special studies/ assessment such as hazardous & e-waste management.
- f. Prepare environmental information materials and help the client in disseminating the information to the relevant stakeholders.;
- g. Review subproject and activity plan, design, cost, and bid documents to ensure environmental factors and mitigations are incorporated, and subproject/ activity documents and environmental documents are in harmony.

- h. Carry out site supervisions during implementation of subprojects and activities, and provide feedback to the Head of PMU.;
- i. Support the Head of PMU in recruiting and managing independent consultant for mid-term and end-term
- j. Conduct evaluation of ESMF Compliance.
- k. Identify requirements of permission for setting up observation and measurement system in areas secured for conservation and protection;
- l. Coordinate with relevant agencies for obtaining relevant permits;
- m. Communicate with vendors, contractors, and subcontractors for necessary environmental compliance;
- n. Evaluate environmental risks associated with earthquake, floods, landslides, erosion, bank cutting, shifting channel, and other natural disaster as a result of project activities;
- o. Monitor potential collaboration with specific key stakeholders
- p. Organize local-level interaction programs on environmental screening and environmental awareness as well as Organize national level consultations with major stakeholders and academia, if necessary;
- q. Coordinate with hazardous waste and e-waste assessment works in evaluation of alternative technologies to replace hazardous wastes and to minimize pollution as well as in evaluating recycling options and developing waste disposal schedule or auction process;
- r. Identify necessary environmental requirement to clear site for exploration activity;
- s. Assess baseline condition of project sites and field locations;
- t. Produce report in a manner understood by non-technical people for effective dissemination purpose. Produce relevant summary documents in both English and Bahasa Indonesia for dissemination in international and local levels;
- u. Undertake other duties as per the requirements of the project or as directed by Project Manager.

In performing the above-mentioned tasks, the Environmental Specialist shall be guided by the Project Implementation Manual (PIM), The World Bank Guidelines and other applicable project guidelines.

Qualification Criteria

This assignment requires an Individual Consultant with the following qualifications and experience as:

- a. The consultant must have a minimum of Bachelor Degree in environmental sciences, environmental engineering, environmental studies or equivalent;
- b. At least seven years of relevant experience;
- c. Proficiency in the usage of computers and office software packages (word processing, spreadsheet etc) and experience in handling of web-based data and information management systems;
- d. Work experience in GOI, NGO's, INGO'S, donor funded projects and other relevant institutions will be an added advantage; work experience as environmental specialist in/ with World Bank or Asian Development Bank funded activities will be an asset, and

- e. Fluency in both oral and written Bahasa Indonesia and English language.

Duration

This position will be for a maximum one (1) year period and is expected to start mid of September 2017. The assignment can be extended as needed subject to the satisfactory performance of consultant.