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## TERMS OF REFERENCE

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### GEOHERMAL EXPLORATION PROJECT MANAGER

#### A. SCOPE OF WORK

The Exploration Project Manager (EPM) will be responsible for the overall technical supervision of all exploration drilling and due diligence geothermal projects as well as day-to-day management of the exploration activities. In doing so, he interfaces with engineers and scientists of the Exploration Management Team, as well as contractors and drillers; draws on PT SMI resources as required, with the support of the Head of the PMU; and reports to and informs the PMU Head of project progress and opportunities. The EPM prepares the annual work schedule and financial plan in close coordination with the Head of the PMU and the Exploration Management Team.

He will also coordinate closely with the Exploration Management Team team in sourcing internationally experienced experts for the roles of Principal Geoscientist, Principal Civil Engineer, and Principal Drilling Engineer. Other roles such as Production Engineer, Companyman, and Well Geologist will be brought on board as needed around the project cycle. The Exploration Management Teamteam will carry out the work and priorities as identified by the Exploration Project Manager.

Specific roles and responsibilities will include, but are not limited to:

- Assist PT. SMI in the establishment of the Project Management Unit and the Exploration Management Team, including providing technical geothermal input into job descriptions for the members.
- Assist PT. SMI in the identification and recruitment of an Assistant Exploration Project Manager.
- Prepare preliminary scope, schedule and budget data for the initial pipeline projects, structuring these to provide a template for future projects.
- Prepare standard operating procedures (SOPs) and pro-forma documentation templates for the establishment and undertaking of pipeline projects and other activities to be undertaken by PT. SMI.
- Direct and oversee the activities of the Exploration Management Team, including exploration survey and drilling activities associated with pipeline projects and any other activities to be undertaken by PT. SMI.
- Oversee and participate in the preparation of formal reports by the Exploration Management Team, including pre-feasibility studies and pro-forma feasibility studies.
- Provide routine progress reports to PT. SMI Head of Project Management Unit, for onward presentation to PT. SMI senior management and other stakeholders.
- Support PT. SMI in meetings with the Joint Committee; and provide technical geothermal project development input and advice to the Joint Committee.

- Develop, with PT SMI and the Exploration Management Team, standard objectives for the various stages of exploration, with a view to avoiding possible future problems with failed exploration drilling.
- Undertake, with the technical support of the Exploration Management Team as required, due diligence of geothermal exploration projects proposed (primarily by other SOEs) to PT. SMI for funding, advising the PT. SMI Head of Project Management Unit on the suitability of the proposed exploration programs, the proposed methodology of implementation of the programs and the detailed scope, schedule and budget for the programs.
- Support PT. SMI in periodically reviewing progress of geothermal exploration programs being funded by PT. SMI, including offering advice to improve how the programs are being managed and executed, with a view to protecting and enhancing PT. SMI's investment in such programs.
- Organize and, depending on the content, deliver training courses for PT. SMI staff, and other selected recipients, on geothermal technology and related issues as requested by the PT. SMI Head of Project Management Unit.
- Provide mentoring to PT. SMI Project Management Unit staff in project management and related disciplines as requested by the PT. SMI Head of Project Management Unit.
- Any other activities that may from time to time be requested by the PT. SMI Head of Project Management Unit.

## B. QUALIFICATION REQUIREMENTS

The EPM should be a highly experienced geothermal specialist and project manager, to be based in Jakarta. While s/he may not be a full-time person, s/he will be on-call full time and, accordingly must give required attention to achieve the desired outcomes.

The ideal candidate will be required to possess the following qualifications:

- 20+ years of technical experience in geothermal sector, including experience in exploration planning and drilling management
- 15+ years of experience working with and for geothermal developers and contractors
- In-depth understanding of geothermal businesses in Indonesia, including the policy framework and political economy of the sector, a major advantage
- Engineering background with a proven track of project management
- Excellent writing and analytical and presentation skills in English
- Availability for Jakarta-based assignment and willing to travel extensively, including to remote islands of Indonesia.

## C. CONFIDENTIALITY

Except with the prior written consent of the Client, the Consultant shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Consultant make public the recommendations formulated in the course of, or as a result of, the Services.