

Terms of reference



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GENERAL INFORMATION

Title: Consultant for Land, Environment and Social for Flores Geothermal Island Master Plan Development

Project Name: MTRE3

Reports to: NPM MTRE3 Project, UNDP

Duty Station: Jakarta

Expected Places of Travel (if applicable): N/A

Duration of Assignment: 20 working days from 1 Aug – 30 September 2019

REQUIRED DOCUMENT FROM HIRING UNIT

<input checked="" type="checkbox"/>	TERMS OF REFERENCE
(5)	CONFIRMATION OF CATEGORY OF LOCAL CONSULTANT, please select : (1) Junior Consultant (2) Support Consultant (3) Support Specialist (4) Senior Specialist (5) Expert/ Advisor
<input checked="" type="checkbox"/>	APPROVED e-requisition

REQUIRED DOCUMENTATION FROM CONSULTANT

<input checked="" type="checkbox"/>	CV / P11 with three referees
<input checked="" type="checkbox"/>	Copy of education certificate
<input checked="" type="checkbox"/>	Completed financial proposal
<input checked="" type="checkbox"/>	Completed technical proposal

Need for presence of IC consultant in office:

☐ partial (for discussion and consultation)

☒ intermittent : the works doesn't require a full attendance of the staff, but advisory and consultation on regular basis during the contract.

☐ full time/office based

Provision of Support Services:

Office space: ☐ Yes ☒ No

Equipment (laptop etc): ☐ Yes ☒ No

Secretarial Services ☐ Yes ☒ No

If yes has been checked, indicate here who will be responsible for providing the support services: MTRE3 project.

Signature of the Budget Owner: Boyke Lakaseru

I. BACKGROUND

Market Transformation towards Renewable Energy and Energy Efficiency (MTRE3) is a project that is being implemented by UNDP for the DG of New and Renewable Energy and Energy Conservation (EBTKE) of the Ministry of Energy. The MTRE3 project is funded by the Global Environment Facility. At the end of its implementation, the MTRE3 Project is expected to support CO₂ emission reduction of 27,019 tons and can facilitate electricity generation from renewable energy of 79.190 MWh, while also encouraging energy savings in commercial building sector of 8.550 MWh.

MTRE3 Project consists of 3 main components: (1) Climate change mitigation options for the RE based energy generation and energy efficiency; (2) Market Transformation through implementation of appropriate mitigation actions in the RE based energy generation and energy efficiency; (3) MRV system and national registry for mitigation actions in the RE based energy generation and energy efficiency. MTRE3 Project will conduct its activities in the 4 selected pilot provinces: Riau, Jambi, West Sulawesi, and East Nusa Tenggara (NTT).

One of the activities conducted in NTT is to support the Flores Geothermal Island (FGI). Based on the Geology Agency (2018) data, the total resource of geothermal resources in Flores Island that can be used to generate electricity is around 402,5MW and the total reserves reached 527MW. However, up to now only 12,5MW of the total geothermal potential is being utilized. To increase the geothermal utilization, the Government of Indonesia design the FGI program as stated in the Ministerial of Energy and Mineral Resources decree No. 2268K/30/MEM/2017. The objective of FGI program is to maximize utilization of geothermal resources to fulfil electricity baseload demand in Flores island. A masterplan 2020-2030 is being developed in order to achieve the objective. One of the studies required for the masterplan is the study of Land, Environment and Social.

II. SCOPE OF WORK, ACTIVITIES AND DELIVERABLES

The consultant will closely work and coordinate with UNDP-MTRE3, Directorate of Geothermal-DJEBTKE and the FGI working group for land, environment and social. Under the supervision of the NPM MTRE3 Project, the consultant will be responsible in:

1. Identifying and assessing the current condition of land, environment and social aspect around the geothermal resources potential area in Flores Island, which includes:
 - Forest area (forest use and zone or region in conservation forest)
 - Other land use (domination, ownership, usages and utilization of land)
 - Spatial, zoning, and landscape
 - Important area or site (historical site, geological heritage site, biodiversity, natural resources, etc)
 - Air, water, land, and noise quality,
 - Social conditions (such as occupation, education, custom and tradition, cultural property and heritage, indigenous people)
 - Permit/license required for developing the geothermal resources
2. Facilitating the discussion of working group for land, environment and social
3. Data collection and analysis on the land, environment and social aspect for the Flores Geothermal Island. The consultant should create a rank for the geothermal resource development opportunity based on the difficulty level and compliances of the land, environment and social condition. In doing the analysis the consultant should refer and consider the equator principles.
4. Developing report on the land, environment and social study for the Flores Geothermal Island

Masterplan.

The consultant will be expected to facilitate the working group discussions, and actively engage the stakeholders to gather all information.

Expected Deliverables	Indicative due date and Payment	Reviewed and Required Approval
Interim report of the land, environment and social study for Flores Geothermal Island Masterplan	10 working days 30 th Aug 2019	NPM MTRE3 Project
Final report of the land, environment and social study for Flores Geothermal Island Masterplan	10 working days 30 th Sep 2019	NPM MTRE3 Project

III. WORKING ARRANGEMENTS

Institutional Arrangement

Under the supervision of the NPM MTRE3 Project, UNDP Indonesia, the Consultant must ensure the completion of the above deliverables through high quality advocacy, consultations, coordination with various parties internally and externally. The Consultant is also expected to interact with the Ministry of Energy and Mineral Resources, National Planning Agency, Local Government of NTT and other relevant institutions, (e.g., other agencies, project co-implementers, donors, communities, local government units, etc.)

Duration of the Work

The assignment will be delivered within 2 (two) months in intermittent scheme with total of 20 days. The payment will be made to the consultant at each payment schedule, upon technical clearance from NPM MTRE3 Project, UNDP Indonesia.

Duty Station

The duty station/location for the consultant will be in Jakarta.

Travel Plan

Below is an indicative travel plan for the duration of the assignment. The Consultant will be required to travel to the below indicated destinations and include the relevant costs into the proposal. There may be also unforeseen travel that will come up during the execution of the contract which will be agreed on ad-hoc basis.

No	Destination	Frequency	Duration/days
1	N/A	N/A	N/A

IV. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

Academic Qualifications

- Bachelor degree in social, environment, or equivalent relevant works.

Years of experience

- At least 10 years of working experience in social and environmental assessment

Competencies and skill requirements

- Knowledgeable and experience in social and environmental issues following IFC standard
- Experience in working with government
- Work experience in sustainable energy project development is essential;
- Proficient in English language, both spoken and written, understanding Bahasa would be an

advantage.

- Ability to write project reports particularly for international funded project, and make presentation.
- Computer literacy (word processing, spread-sheets, PowerPoint) is expected with statistical and or spatial analysis skills a plus;

V. EVALUATION METHOD AND CRITERIA

Individual consultants will be evaluated based on the following methodology:

Cumulative analysis

When using this weighted scoring method, the award of the contract should be made to the individual consultant whose offer has been evaluated and determined as:

a) responsive/compliant/acceptable, and

b) Having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.

** Technical Criteria weight; 70%*

** Financial Criteria weight; 30%*

Only candidates obtaining a minimum of 70 point would be considered for the Financial Evaluation

Criteria	Weight	Maximum Point
Technical (70%)	100%	100
Criteria A: qualification requirements as per TOR: <ul style="list-style-type: none"> • Bachelor's degree in social, environment, or equivalent relevant works. • A minimum of 10 (ten) years experiences in social and environmental assessment • Knowledgeable and experience in social and environmental issues following IFC standard • Experience in working with government • Work experience in sustainable energy project development is essential; 	60%	10 15 15 15 5
Criteria B: Brief Description of Approach to Assignment <ul style="list-style-type: none"> • Understands the task and applies a methodology appropriate for the task. • Important aspects of the task addressed clearly and in sufficient detail. • Sound logical and realistic planning for efficient project implementation. 	40%	15 15 10