

Terms of reference



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GENERAL INFORMATION

Title: Suspension Bridge Construction Supervisor in Central Sulawesi

Project Name: Programme for Earthquake and Tsunami Infrastructure Reconstruction Assistance (PETRA) Project

Reports to: Community Mobilization Officer

Duty Station: Palu

Expected Places of Travel (if applicable): Sigi and Donggala

Duration of Assignment: 68 days within 31 January 2021 – 30 May 2021

REQUIRED DOCUMENT FROM HIRING UNIT

	TERMS OF REFERENCE
4	CONFIRMATION OF CATEGORY OF LOCAL CONSULTANT, please select:
	(1) Junior Consultant
	(2) Support Consultant
	(3) Support Specialist
	(4) Senior Specialist
	(5) Expert/ Advisor
	CATEGORY OF INTERNATIONAL CONSULTANT, please select:
	(6) Junior Specialist
(7) Specialist	
(8) Senior Specialist	
	APPROVED e-requisition

REQUIRED DOCUMENTATION FROM CONSULTANT

x	CV or P11
x	Copy of education certificate
x	Completed financial proposal
x	Completed technical proposal

Need for presence of IC consultant in office:

- ☐ partial (explain)
- ☐ Intermittent (explain)
- ☒ full time/office based (needs justification from the Requesting Unit)

The consultant will be work based on the provided scope of works in the ToR within period of contract. The consultant shall work in line with Program Earthquake Tsunami Recovery Assistance for Palu and Lombok (PETRA) Project time line activities and often following dynamic the characteristic of Project and Programme thus the consultant need to harmonize his/her service with the emerging and relevant priorities to gain the outputs. The Bridge Construction Supervisor will work on daily basis to supervise suspension bridge construction. Moreover, during the supervision period, the consultant will be full time in supervising construction with assistance by the Asst. Engineer.

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:

Indriyani/Yurianto Arifin

I. BACKGROUND

The two major disasters in 2018, earthquake, tsunami and liquefaction ravaged Central Sulawesi and West Nusa Tenggara (NTB). Particularly, the liquefaction affected Palu and caused approximately 10.000 people lost their homes. Hundreds of thousands of people lost their jobs and livelihood options. Disasters triggered by the earthquakes, tsunami and liquefaction caused substantive damage to community infrastructures, including buildings, roads, bridges, market facilities, irrigation canals, and drinking water schemes. The damaged infrastructures became almost non-operational, prompting the risk of migration for affected communities.

To accelerate rehabilitation and reconstruction process in both areas, UNDP is implementing the Sulawesi/Lombok Programme for Earthquake and Tsunami Infrastructure Reconstruction Assistance (PETRA). The goal of PETRA is to contribute to the rehabilitation and reconstruction of key infrastructure to support the resilient recovery of disaster-affected communities in both provinces. It addresses the need to accelerate the restoration of critical public services (such as health and education), improve economic livelihood opportunities for affected communities, while, at the same time, enhancing resilience to future shocks in both provinces. It will be guided and informed by the post- disaster needs assessments and will be fully aligned with relevant national and sub-national recovery plans. Beyond the immediate humanitarian and relief assistance, the KfW and UNDP has initiated engagements with national and local governments to support of Central Sulawesi and NTB's recovery efforts. Key government partners include BNPB, BAPPENAS, Ministry of Finance, Ministry of Public Works, the Provincial governments of Central Sulawesi and NTB, and the local governments of all ten districts and cities impacted by the disasters. PETRA will deliver two outputs, namely: (1) Rehabilitation and reconstruction of partially and fully damaged infrastructure for critical public services; and (2) Rehabilitation of affected communities' economic infrastructure to promote more resilient and sustainable livelihoods.

To ensure the PETRA project's community infrastructure reconstruction in Tuva village, Sigi District of Central Sulawesi to build suspension bridge, PETRA will deploy consultants to provide advisory and supervise reconstruction process carried out by Yayasan Kemanusiaan Muslim Indonesia (YKMI) as implementing partner. Providing advisory and supervision are to ensure quality and safety of bridge reconstruction in the location.

II. SCOPE OF WORK, ACTIVITIES AND DELIVERABLES

The Senior Specialist Consultant will be appointed to support PETRA Project providing his/her technical expert to supervise the construction of suspension bridge in Sigi district of Central Sulawesi for Output 2.

These are expected scope of works/activities that will be carried out by the consultant:

- Assisting UNDP PETRA and its implementing partner to supervise bridge construction process, and other construction targets according to certified detailed engineer design (DED) and Bill of Quantity (BoQ).
- Working with UNDP PETRA's Engineers and/or Community Mobilization officer to design work plan to assist implementing partner completing its works.
- In collaboration with implementing partner to advise safety aspects to community in reconstruction process and after the targeted construction is completed.
- Provide safety and security advice to the workers, UNDP staffs, partners, and stakeholders to be considered in reconstruction process.
- Provide inputs to implementing partner and community, or technical assistance, to increase performance and quality of targeted infrastructures reconstruction.
- Assisting and providing inputs of technical aspect of targeted infrastructures construction

to the implementing partner with considering on gender-based violence and harm risk, as well as gender and disability inclusion.

- Assisting in hand-over process after completion of suspension bridge construction

Expected Outputs and Deliverable

Deliverable/Outputs	Target Due Dates	Review and Approvals	Working Days
Final report reviews of the revised DED by Implementing Partner	28 February 2021	Community Mobilization Officer	17 working days (1 st month)
Progress report (70%), including supervision and technical assistance for the implementing partner	30 March 2021	Community Mobilization Officer	17 working days (2 nd month)
Progress report (100%), including supervision and technical assistance for the implementing partner	30 April 2021	Community Mobilization Officer	17 working days (3 rd month)
Final report, including hand-over report of completed construction work	30 May 2021	Community Mobilization Officer	20 working days (4 th month)

III. WORKING ARRANGEMENTS

Institutional Arrangement

- The consultant will carry out his/her functions under the direct supervision of Community Mobilization Officer and under coordination of National Project Manager. His/her will work closely with Resilience and Reconstruction Unit to ensure effective and efficient design and supervision work.
- Any other tasks that are not included above but during the assignment period later deemed important to ensure the quality of the deliverable could be proposed by the incumbent and shall be agreed jointly.

Duration of the Work

The consultant will perform his/her assignment with the following timeline:

- He/she will have 68 totals of working days from end of January 2021 – May 2021 (in 4 months), he/she should be completed of assignment.
- The expected effective working date is started on 31 January 2021.
- He/she should submit the deliverable 5 (five) days before the deadline specified in contract to enable the technical officer undertaking proper review within maximum 2 weeks or 14 working days.
- Delay on submitting report will impact on the completion of works and release of payment

Duty Station

The consultant will be based in UNDP Palu Office

Travel Plan

There may be also unforeseen travel that will come up during the execution of the contract which will be agreed on ad-hoc basis.

IV. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

The consultant will be produced outputs based on below schedule:

I. Academic Qualifications:

Bachelor degree in Civil Engineer, Architecture or other related engineering studies.

II. Years of experience:

- Minimum of 3 (three) years experiences in civil works, including supervision of public construction works.
- Experience in certifying DED of construction work.
- Experience in supervising civil works carried out by developer.
- Experience in liaising and coordinating with government counterparts, as well as knowledge and familiarity with governance system, policies and procedures in civil works.

III. Competencies and special skills requirement:

- Sound knowledge and familiarity with Indonesian government system, policies and procedures, especially in Central Sulawesi is an advantage.
- Having capability to formally certify bridge detail engineer design.
- Good inter personal communication skills, especially to maintain coordination between project and other stakeholders during the assignment.

V. EVALUATION METHOD AND CRITERIA

Individual consultants will be evaluated based on the following methodologies:

Cumulative analysis

The award of the contract will 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 49 point would be considered for the Financial Evaluation

Criteria	Weight	Maximum Point
<u>Technical (70%)</u>		
<i>Criteria A: qualification requirements as per TOR:</i>		
<ul style="list-style-type: none"> • Bachelor degree in Civil Engineer, Architecture or other related engineering studies 		20
<ul style="list-style-type: none"> • Minimum of 3 (three) years experiences in civil works, including supervision of public construction works. 		20

<ul style="list-style-type: none"> • Experience in certifying DED of construction work. • Experience in supervising civil works carried out by developer. • Experience in liaising and coordinating with government counterparts, as well as knowledge and familiarity with governance system, policies and procedures in civil works. 		10 10 10	
<i>Criteria B: Brief Description of Approach to Assignment</i> <ul style="list-style-type: none"> • Understands the task and applies a methodology appropriate • Important aspects of the task addressed clearly • Planning logical, realistic for efficient project 		30	
<u>Financial Criteria (30%)</u>		30	