

Konservasi Indonesia is a national foundation established to support sustainable development in the country. We are the main partner of Conservation International in Indonesia.

We envision a healthy and prosperous Indonesia where biodiversity is valued and preserved. With offices and project sites across Indonesia, we promote a sustainable landscape-seascape approach and establish partnerships with multiple stakeholders across sectors and jurisdictions to deliver lasting impacts for people and nature in Indonesia.

*As we are constantly expanding, we are currently looking **Consultant** to fill the following Terms below:*

CONSULTANT (Individu / Company)

Survey of Restoration Plan, Development of water resources and sanitation profile for Water Catchment Areas in the West Java Watershed

(Code: Watershed-Restoration-West Java)

Title: Consultant Survey of Restoration Plan, Development of water resources and sanitation profile for Water Catchment Areas in the West Java Watershed

Date Issued: 01 April 2024

1. Background

Water natural resources are natural resources that are very important in meeting the needs of living things. The water used basically comes from rainwater that falls and will be stored into earth water both in the form of springs and water bodies. Rainwater comes from water vapor falling to the surface of the earth carried by winds across land, and if atmospheric conditions allow some of the water vapor will fall into rainwater called the hydrological cycle.

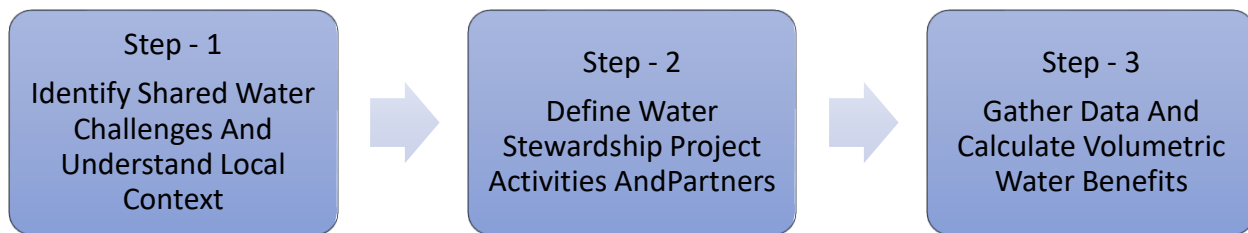
According to Asdak (2010), a certain amount of rainfall before reaching the ground surface, the rainwater will be retained by the vegetation canopy. Some of the rainwater will be stored on the surface of the crown or leaves during the header wetting process, and the other part will fall above the soil surface through between the leaves or flow down through the surface of the tree trunk (stemflow). A small part of rainwater will not reach the ground surface but is intercepted through the canopy and litter and some undergoes the process of evapotranspiration. Rainwater that can reach the surface of the ground or the surface of the earth if the surface is not impermeable, can move into the ground by gravitational motion and capillary motion in a flow called infiltration (Seyhan, 1990). Watershed according to PP No. 37 of 2012 concerning Watershed Management, a watershed is a land area in the form of a unit with rivers and tributaries that function to accommodate, store and drain water derived from rainfall into lakes or seas naturally, where boundaries on land are topographic separators and boundaries in the sea to water areas that are still affected by land activities. Meanwhile, according to Dharmawan, et al (2005), watersheds are landforms bounded by topographic divide, namely ridges or mountains that capture rainfall, store and then flow it through drainage channels to a point (outlet) which is generally at the mouth of a river or lake. Meanwhile, according to Suripin (2002), watershed is an area limited by natural boundaries, such as ridges or mountains, as well as rock boundaries, such as roads or dikes, where rainwater falls in the area contributing to the flow to the control point (outlet).

The condition of watersheds in Indonesia is getting worse, the deforestation and land conversion in west java, indicating that the management system is still weak, this is due to the dynamics of watershed conditions that are still poorly detected early and periodically, so that the handling does not rely on the main problem. Watershed characterization systems can be used as a tool for diagnosing or investigating watershed degradation quickly, including the location, causes, or extent of degradation. Each watershed in Indonesia has its own nature or characteristics, which can be in the form of natural properties or traits that are built as a result of human intervention.

Looking at the complexity of watersheds, it is necessary to make an appropriate study that can describe the condition of upstream watersheds in the Citarum, Cisadane, Cimandiri and Ciliwung watersheds) in West Java Province. Thus, The Volumetric Water Benefit Accounting (VWBA) will be used for determining the use of water in ecosystem. VWBA is Volumetric water benefits (VWB) are defined as the volume of water resulting from water stewardships (WS) activities, relative to a unit of time, that modify the hydrology in a beneficial way and/or help reduce shared water challenges, including ones related to access to water, water quantity, water quality, water governance, and important water-related ecosystems.

In calculating the VWBA, First, the project will identify the water stewardships activity located in project locations (Cimandiri, Cisadane, Citarum and Ciliwung), which consisted of Land conservation & restoration, water supply reliability, water access, water supply and water quality, aquatic habitat restoration, water governance, and catalytic activities. The results of the identification of water stewardship activities, will be used to selection of appropriate interventions of Konservasi Indonesia projects in site locations that will be started from selection of project activities and partners based on VWBA guidelines and determination of volumetric water benefits in site locations.

The volumetric water benefit accounting (VWBA) methods are consisted of 3 mains steps as below here:



Meanwhile, the water stewardship activity Impact Pathway Modified from the Social and Human Capital Protocol related to the project framework illustrated as below here:



Finally, VWBA as an approach is very useful for calculating the volume of water in period by subtracting VWBA baseline and VWBA intervention ($VWBA = VWBA_{[baseline]} - VWBA_{intervention}$). Thus, several VWBA indicators need to be determined and calculate in site project location. The results for VWBA will be very useful as report as a financially material risk to organizations in both the private and public sectors (World Economic Forum 2019), and the shared nature of water challenges will require solutions at the catchment scale if these are to meaningfully reduce risk (Pegram et al. 2009). By addressing shared water challenges within a catchment, organizations across sectors can contribute to improving catchment conditions while lessening their exposure to physical, regulatory, and reputational water related risks. Water stewardship (WS) helps reduce water-related

risks by providing companies with a roadmap to engage in sustainable water management and support public policy objectives that advance water security and reduce shared water challenges

2. Project Overview

The objectives of this survey are:

1. To validate the land degradation in 4 Watersheds (Citarum, Cisadane, Cimandiri and Ciliwung) in West Java Province by conducting the ground truth / ground check to site location based on document (Penyusunan Materia Teknis Kajian Kelayakan Pemulihan Ekosistem) in Taman Nasional Gunung Gede Pangarango dan Kesatuan Pengelolaan Hutan (KPH) Bogor. The survey will provide recommendations to the project about the latest status of critical land in upper and centre focused watersheds.
2. To Identify Shared Water Challenges and Understand Local Context
3. To Define Water Stewardship Project Activities and Partners
4. To Gather Data (Baseline) and Calculate Volumetric Water Benefits

3. Terms of Reference, Deliverables and Deliverables Schedule

Timeline

It is estimated that the Consultation will have a period from 13 May 2024 – 30 August 2024. for a series of activities to survey the potential catchment area and water bodies (ground water & surface water) as well as compile and map potential projections of restoration areas around 4 (four) watersheds (DAS), namely Ciliwung, Citarum, Cisadane and Cimandiri watersheds..

Lokasi /Perjalanan

Kawasan DAS yang meliputi Citarum, Cisadane, Cimandiri and Ciliwung.

Deliverables

Duties and Deliverables

#	Activities	Period of Deliverable	Deliverables	Value (%)
1.	To validate the land degradation in 4 Watersheds (Citarum, Cisadane, Cimandiri and Ciliwung) in West Java Province by conducting the ground truth / groundck to site location based on document (Penyusunan Materia Teknis Kajian Kelayakan Pemulihan Ekosistem) in Taman Nasional Gunung Gede Pangarango dan Kesatuan Pengelolaan Hutan (KPH) Bogor. The survey will provide recommendations to the project about the latest status of critical land in upper and centre focused watersheds.	25 Mei 2024	a) Workplan b) Methodology c) Land criticallity analysis d) Land covers analysis e) Erosion rate analysis f) Soil structure analysis g) Restoration Planning h) Map (recomendation)	20%



2.	To Identify Shared Water Challenges and Understand Local Context	15 June, 2024	i) Identify shared water challenges and their root cause, understand the catchment j) Understand catchment stakeholders and ongoing water stewardship activities	15%
3.	To Define Water Stewardship Project Activities and Partners To Gather Data (Baseline) and Calculate Volumetric Water Benefits FGD with (Konservasi Indonesia) teams	10 August 2024	k) Select project activities and partners based on VWBA activity guidelines l) Determine allocation of volumetric water benefits m) Document baseline (4 Watershed) n) Select VWB indicator and complementary indicators FGD to present of finding and draft report	50%
4	Final report of Survey of restoration plan, development of water resources and sanitation profile for water catchment areas in the West Java Watershed.	30 August 2024	Final report, maps, data set, etc.	15%
TOTAL FEE				100%

Method

The Volumetric Water Benefit Accounting (VWBA) will be used to determine volume of water in project period based on partners and project interventions.

Technical Direction

The main contact for contract related enquiries is Sundaland YKI Landscape Manager. Consultants will receive technical direction from experts at YKI, YKI Field program coordinators, Landscape Managers and YKI Program Directors, to ensure all tasks, results and quality run on time.

4. Submission Details

- a. Proposal submitted due **23 April 2024** to grantcontractID@konservasi-id.org with subject: "Watershed and restoration survey consultant". Only proposals selected will be interviewed.
- b. Proposal accepted due 23 April 2024 17.00 WIB by email (grantscontracts@konservasi-id.org). Proposal must be reference of RFP.
- c. Validity of bid. 120 days from submission
- d. Clarify and question to (grantscontracts@konservasi-id.org)
- e. Amendments.



5. Qualifications and Experiences

Prospective candidates must meet the following minimum requirements:

- A. An institution, organization, or team, consisting of:
 - Team leader (Hydrologist)
 - Team Members
- B. Team Leaders and experts
 - Knowledge and experience in hydrology (ground water & surface water), silviculture (forestry)
 - Experience in using Volumetric Water Benefit Accounting (VWBA)
 - Have at least a bachelor's degree in forestry, biology, environment or other similar fields
 - Knowledge and experience of ethical communication with local communities
 - Experienced and have skills in presenting data and analysis.
 - Strong and organized communication skills
 - Experience working in Ciliwung, Citarum, Cisadane and Cimandiri watersheds
 - Fluent in Indonesian and proficient in using English both oral and written.

Evaluation criteria:

Technical planning, including approach, methodology, work plan, and timeline (50%). Portfolio and qualifications of key personnel (25%) and proposed budget (25%).

6. Submission Requirements

Proposal must be submitted in English and must include:

- a. Organization/Institution Profile
 - b. CV
 - c. Relevant references to prove technical qualifications and experience.
 - d. A detailed work plan including approach, methodology, and timeline.
 - e. Detailed budget
7. **Criteria Evaluation:** To evaluate proposals, KI will look for the most technically strong candidates with the right budget. Proposals will be evaluated using the following criteria:

Kriteria Evaluasi	Score (dari 100)
Apakah pendekatan dan metodologi yang diusulkan sesuai dengan penugasan dan praktis dalam keadaan proyek yang berlaku? <i>Is the proposed approach and methodology appropriate to the assignment and practical in the prevailing project circumstances?</i>	30%
Apakah presentasinya jelas dan apakah urutan kegiatan dan perencanaannya logis, realistis dan menjanjikan implementasi yang efisien untuk proyek? <i>Is the presentation clear and is the sequence of activities and the planning logical, realistic and promise efficient implementation to the project?</i>	25%
Apakah kinerja penawar di masa lalu menunjukkan pengalaman yang terbukti baru-baru ini melakukan pekerjaan serupa? <i>Does the bidder's past performance demonstrate recent proven experience doing similar work?</i>	10%
Apakah penawar dan personel yang diusulkan memiliki keahlian teknis khusus untuk penugasan tersebut?	15%



<i>Does the bidder and the proposed personnel have the specific technical expertise for the assignment?</i>	
Biaya: Biaya yang diusulkan masuk akal dan realistis, mencerminkan pemahaman yang kuat tentang penugasan. <i>Cost: Costs proposed are reasonable and realistic, reflect a solid understanding of the assignment.</i>	20%

8. Proposal Timeline

Iklan dipublikasikan	01 April -23 April 2024
Klarifikasi dikirim kepada KI	01 April -23 April 2024
Klarifikasi kepada kandidat	01 April -23 April 2024
Proposals harus diterima oleh KI	23 April 2024
Wawancara (kalau perlu)	25 - 26 April 2024
Seleksi final	30 April 2024

8. **Resulting Award** KI anticipates entering into an agreement with the selected bidder by 13 May 2024. Any resulting agreement will be subject to the terms and conditions of KI's Services Agreement. A model form of agreement can be provided upon request.

This RFP does not obligate KI to execute a contract, nor does it commit KI to pay any costs incurred in the preparation or submission of the proposals. Furthermore, KI reserves the right to reject any and all offers, if such action is considered to be in the best interest of KI. KI will, in its sole discretion, select the winning proposal and is not obligated to share individual evaluation results.

9. **Confidentiality** All proprietary information provided by the bidder shall be treated as confidential and will not be shared with potential or actual applicants during the solicitation process. This includes but is not limited to price quotations, cost proposals and technical proposals. KI may, but is not obliged to, post procurement awards on its public website after the solicitation process has concluded, and the contract has been awarded. KI's evaluation results are confidential and applicant scoring will not be shared among bidders.
10. **Code of Ethics** All Offerors are expected to exercise the highest standards of conduct in preparing, submitting and if selected, eventually carrying out the specified work in accordance with KI's Code of Ethics. KI's reputation derives from our commitment to our values: Integrity, Respect, Courage, Optimism, Passion and Teamwork. KI's Code of Ethics (the "Code") provides guidance to KI employees, service providers, experts, interns, and volunteers in living KI's core values, and outlines minimum standards for ethical conduct which all parties must adhere to. Any violation of the Code of Ethics, as well as concerns regarding the integrity of the procurement process and documents should be reported to KI via its Email at grantcontractID@konservasi-id.org.



11. Attachments:

Attachment 1: Representation of Transparency, Integrity, Environmental and Social Responsibility
Attachment 2: Cost Proposal Template

Please send the required document (point 6 above) in PDF to:
grantcontractID@konservasi-id.org

Please fill the "subject" column of the e-mail with this format:
< **Watershed-Restoration-West Java** > - <**Individu /Company /Name**>

Attachment 1: Representation of Transparency, Integrity, Environmental and Social Responsibility

All Offerors are expected to exercise the highest standards of conduct in preparing, submitting and if selected, eventually carrying out the specified work in accordance with KI's Code of Ethics. KI's Code of Ethics provides guidance to KI employees, service providers, experts, interns, and volunteers in living KI's core values, and outlines minimum standards for ethical conduct which all parties must adhere to. Any violations of the Code of Ethics should be reported to KI via its email at grantcontractID@konservasi-id.org.

KI relies on the personal integrity, good judgment and common sense of all third parties acting on behalf, or providing services to the organization, to deal with issues not expressly addressed by the Code or as noted below.

I. With respect to KI's Code of Ethics, we certify:

- a. We understand and accept that KI, its contractual partners, grantees and other parties with whom we work are expected to commit to the highest standards of Transparency, Fairness, and Integrity in procurement.

II. With respect to social and environmental standards, we certify:

- a. We are committed to high standards of ethics and integrity and compliance with all applicable laws across our operations, including prohibition of actions that facilitate trafficking in persons, child labor, forced labor, sexual abuse, exploitation or harassment. We respect internationally proclaimed human rights and take no action that contributes to the infringement of human rights. We protect those who are most vulnerable to infringements of their rights and the ecosystems that sustain them.
- b. We fully respect and enforce the environmental and social standards recognized by the international community, including the fundamental conventions of International Labour Organization (ILO) and international conventions for the protection of the environment, in line with the laws and regulations applicable to the country where the contract is to be performed.

III. With respect to our eligibility and professional conduct, we certify:

- a. We are not and none of our affiliates [members, employees, contractors, subcontractors, and consultants] are in a state of bankruptcy, liquidation, legal settlement, termination of activity, or guilty of grave professional misconduct as determined by a regulatory body responsible for licensing and/or regulating the offeror's business
- b. We have not and will not engage in criminal or fraudulent acts. By a final judgment, we were not convicted in the last five years for offenses such as fraud or corruption, money laundering or professional misconduct.
- c. We are/were not involved in writing or recommending the terms of reference for this solicitation document.
- d. We have not engaged in any collusion or price fixing with other offerors.
- e. We have not made promises, offers, or grants, directly or indirectly to any KI employees involved in this procurement, or to any government official in relation to the contract to be performed, with the intention of unduly influencing a decision or receiving an improper advantage.



- f.** We have taken no action nor will we take any action to limit or restrict access of other companies, organizations or individuals to participate in the competitive bidding process launched by KI.
- g.** We have fulfilled our obligations relating to the payment of social security contributions or taxes in accordance with the legal provisions of the country where the contract is to be performed.
- h.** We have not provided, and will take all reasonable steps to ensure that we do not and will not knowingly provide, material support or resources to any individual or entity that commits, attempts to commit, advocates, facilitates, or participates in terrorist acts, or has committed, attempted to commit, facilitate, or participated in terrorist acts, and we are compliant with all applicable Counter-Terrorist Financing and Anti-Money Laundering laws (including USA Patriot Act and U.S. Executive Order 13224).
- i.** We certify that neither we nor our directors, officers, key employees or beneficial owners are included in any list of financial or economic sanctions, debarment or suspension adopted by the United States, United Nations, the European Union, the World Bank, or General Services Administration's List of Parties Excluded from Federal Procurement or Non-procurement programs in accordance with E.O.s 12549 and 12689, "Debarment and Suspension".

Name: _____

Signature: _____

Title: _____

Date: _____

Attachment 2: Cost Proposal Template

The cost proposal must be all-inclusive of profit, fees or taxes. Additional costs cannot be included after award, and revisions to proposed costs may not be made after submission unless expressly requested by KI should the offerors proposal be accepted. Nevertheless, for the purpose of the proposal, Offerors must provide a detailed budget showing major expense line items. Offers must show unit prices, quantities, and total price. All items, services, etc. must be clearly labeled and included in the total offered price. All cost information must be expressed in **IDR**.

If selected, Offeror shall use its best efforts to minimize the financing of any taxes on goods and services, or the importation, manufacture, procurement or supply thereof. If Offeror is eligible to apply for refunds on taxes paid, Offeror shall do so. Any tax savings should be reflected in the total cost.

Cost Breakdown by Deliverable

Deliverable	Price (Lump Sum, All Inclusive)
Submission of Workplan	
National communications plan	
Brand identity	
Project partner communications guidance, reporting and tracing.	
Social Media	
Website	
Content development	
Earned Media	
Reports	

Cost Breakdown by Cost Component

Description	Unit of measure (day, month etc)	Total period of engagement	Unit cost/rate	Total Cost for the Period
Consultant 1				
Consultant 2				
Sub-total Personnel				
Travel Costs (if applicable)				
Other related Costs (please specify)				
Total Cost of Financial Proposal				