



# **Term of Reference**

**For**

**Survey Baseline Data of Social Economic, Knowledge, Attitude and Practices; Valuation of Ecosystem Services; Non-Forest Timber Product; Surveys for Indigenous Peoples**

**To**

**Strategy Planning for community engagement at IPZ Program**

**April 2018**

## I. Background

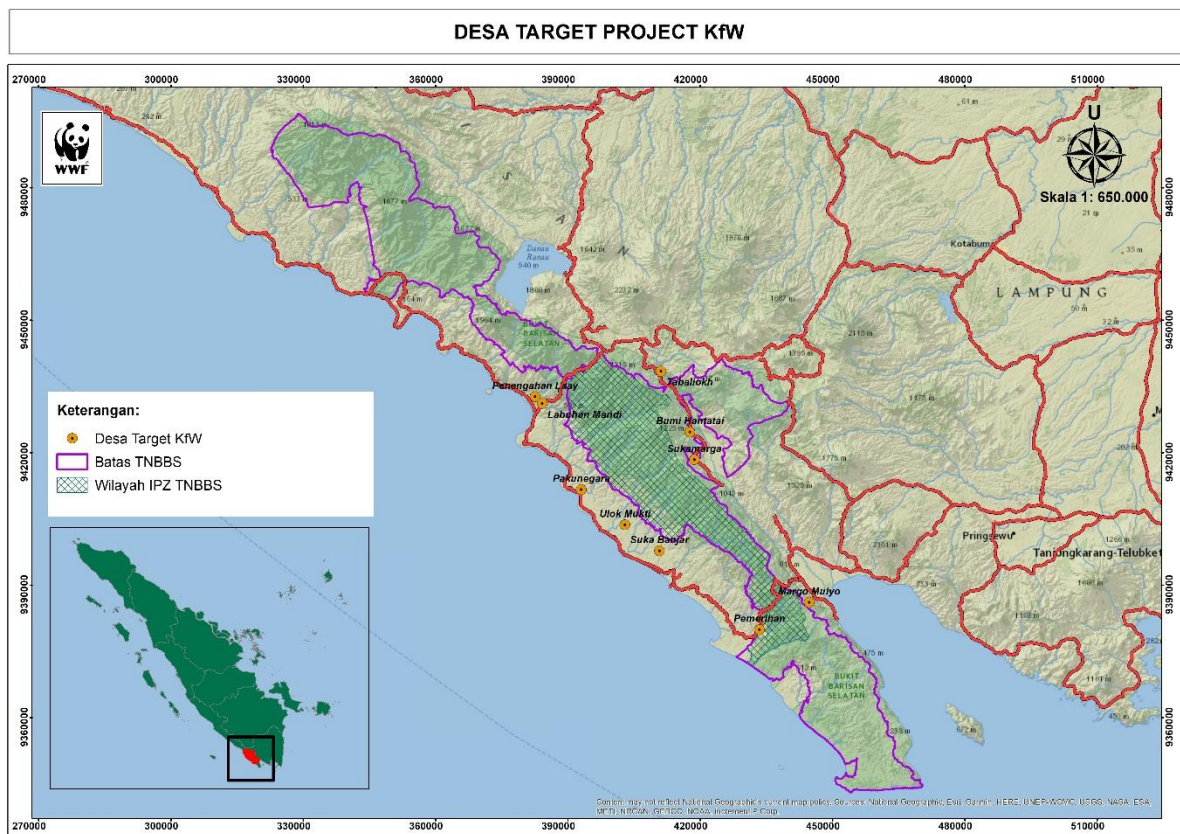
WWF, Wildlife Conservation Society (WCS), Yayasan Badak Indonesia (YABI) and the Balai Besar Taman Nasional Bukit Barisan Selatan jointly implement the project “Conserving the Bukit Barisan Selatan National Park (BBSNP) as UN World Heritage in Sumatra”. The national park is one of the last remaining larger old-growth forest tracts in southern Sumatra, of outstanding importance for forest-dependent biodiversity on this island, and it was therefore included in the list of UN World Heritage Sites. A high number of endangered and critically endangered species is recorded from the park, including Malayan tapirs, tigers and elephants. The importance this project is to conservation of a population of the critically endangered Sumatran Rhino. Aside from poaching, and dramatically low population numbers, encroachment of a newly delineated Intensive Protection Zone are the main threat factors for the rhino in BBS.

The outputs of the project are (1) Establishment and implementation of an Intensive Protection Zone (IPZ) within BBS NP; (2) Establishment and implementation of an Intensive Management Zone (IMZ); (3) Pressure on the IPZ is reduced through the restoration of encroached zones and enhanced land use management in villages around the IPZ; (4) Improved political framework for rhino and habitat conservation, sustained financing and cross-/ up-scaling of good practices nationally and internationally; and (5) Project is managed in coordination with other programs and effectiveness is measured through impact monitoring and evaluation.

To implement the out put 3 will collect baseline data to generate community engagement strategies in 10 selected villages around the IPZ area. There are several baseline survey data that will be conducted are: (1) survey of socio-economic, and knowledge, attitude, practices (KAP); (2) valuation of ecosystem services survey; (3) non-timber forest product survey; and (4) ethnographic surveys for indigenous peoples.

The survey will be conducted in ten selected villages spread across seven BBSNP resorts. the villages can be seen in the table and the map below:

No	Village	BNSP Resort	Sub District	District
1.	Margomulyo	Sukaraja	Semaka	Tanggamus
2.	Sukamarga	Suoh	Suoh	Lampung Barat
3.	Bumi Hantatai	Suoh	Suoh	Lampung Barat
4.	Tebaliyokh	Balik Bukit	Batu Brak	Lampung Barat
5.	Labuhan Mandi	Balai Kencana	Way Krui	Pesisir Barat
6.	Penengahan Laay	Balai Kencana	Karya Penggawa	Pesisir Barat
7.	Paku Negara	Biha	Pesisir Selatan	Pesisir Barat
8.	Ulok Mukti	Ngambur	Ngambur	Pesisir Barat
9.	Sukabanjar	Ngambur	Ngambur	Pesisir Barat
10.	Pemerihan	Pemerihan	Bengkunat Belimbing	Pesisir Barat



Map: Village Target at IPZ Program

The general objective this survey is: (1) to generate a detailed baseline database on current status on socio-economic, KAP, valuation of ecosystem services, non-timber forest product, and cultural importance at indigenous people so that it will be helpful in management/development planning and monitoring/evaluation of progress and impacts of the management interventions in the future; (2) Prepare the strategic plans to manage the community engagement in IPZ approach at BBSNP area.

To generate baseline database, WWF Indonesia seeking Consultant to conduct:

- survey of socio-economic, and knowledge, attitude, practices (KAP);
- Ecosystem services survey;
- Non-timber forest product survey; and
- Ethnographic surveys for indigenous peoples.

## **II. Consultant Need**

### **A. Consultant to survey of socio-economic and knowledge, attitude, and practices (KAP) for baseline data**

WWF Indonesia is recruiting a socio-economic and KAP expert to generate a detailed baseline database on current status on socio-economic and KAP, so that it will be helpful in management/ development planning and monitoring/evaluation of progress and impacts of the management interventions in the future. This study is to establish credible baseline data to facilitate an assessment of livelihood program in Intensive Protection Zone of 100.000 ha of the Bukit Barisan Selatan (BBS) National Park. This baseline data and KAP survey will provide a strong representative data that will be used when compared similar data collected at project end to measure the impact of the project and what changes it produced on targeted group. Finally, the study will provide recommendations or conclusions on the potential of sustainable livelihood or regeneration of agriculture in order to support sustainable livelihood strategies. The consultant will work as part of Community Facilitator, Community Organizer and other Consultant to livelihood assessment.

Job Title: Consultant to baseline data (survey of socio-economic and knowledge, attitude, and practices-KAP)

Contractual Reporting: Livelihood Coordinator KfW Project/WWF Indonesia

Position Duration: April-August 2018

Location: IPZ BBSNP area

#### Objective:

To generate a detailed baseline database on current status on socio-economic and KAP, so that it will be helpful in management/ development planning and monitoring/evaluation of progress and impacts of the management interventions in the future. An accurate of the project achievement will involve comparison of pre-project (baseline survey) and post project (impact assessment survey) situation, monitoring of result and outcome indicators during the project implementation (mid-term and other thematic survey) and comparison of the changes

#### Baseline description

- Household survey

This survey will be carried out by consultant and with the help of community facilitator and community organizer as enumerators for the collection of data household in ten village. The data cleaning, entry, analysis and report will also be carried out by the consultant. The baseline survey in targeted communities will be conducted by the consultant. The survey will be conducted with representative sample covering all segment of the society e.g. men, women, farmers and other. It will provide information about the existing situation of persons with social, economic, agriculture, livelihood, access market, and related. This baseline survey will provide a strong representative data that will be used when compared with similar data (end-line) collected at project end to

measure the impact of the programme and what changes it produced on the targeted groups. The consultant will design complete survey along with tools and instruments to collect process and analyze the data from the target households. The survey also will gather information and data are:

- a. **Socio-economic and demographic characteristic** of the survey household. Economic status of household should include household income and expenditures – sources of income (e.g., **farm** including crops, livestock, fisheries, forestry and **non-farm**), and nature of expenditures (i.e., consumption of food, good and services, health, education, utilities, productive investment, and social obligation)
- b. **Food security and nutrition status** of the household including details of food insecure season, duration of food insecure periods, frequency of food insecure season in 3 last years, reason of insecurity and household dietary characteristic by agricultural season.
- c. **Agricultural production** including data and information on size, types and ownership of agricultural land operated by farm household (numbers and size of lands, private and communal land, distance to land, rain fed/irrigated), existing farm practices, cropping pattern, intensity and yields, and key production level constrains (access to input, quality of input, access to extension services, etc)
- d. **Livestock** including type of livestock owned by household, existing animal feed practices (what feed, how much) and small livestock.
- e. **Post-harvest management** including existing post-harvest practices, household's post-harvest processing and storage asset, post-harvest losses, and key factors behind the post-harvest losses (insect, aflatoxin, lack of storage, etc.) and access to community/group/private post-harvest processing and storage facilities.
- f. **Agricultural marketing** including access market shares of agriculture produce, marketing outlets and key marketing constraints.
- g. **Agricultural services and extension** including access to agricultural inputs (seed, fertilizer, pesticide, irrigation water), access to credit, and access to extension services and types of extension services (farmers field schools, private/public/NGO extension services provider)
- h. **Microfinance institution and farmer organization** including the profile of microfinance (number of members, capital, board, activities, checklist the institutional completeness), and assessment to microfinance institution.
- i. **Social mapping relation** including role, mapping of relation between CBO, government, and relate stakeholder, and analyze the positive and negative relation

- The KAPs Survey

The survey in targeted communities covering knowledge, attitude and practices at conservation biodiversity and natural resources, agriculture, and behavior will be conducted by the consultant. The survey will be conducted with representative sample covering all segment of the society e.g. men and women. It will provide a strong base with information which will help to determine and confirm what specific topic need to be particularly tackled in different training/ behavior change activities in the programme.

This KAP survey will provide a strong representative data that will be used when compared with similar data (post KAP) collected at project end to measure the impact of the project and what changes it produced on the targeted groups. The consultant will design complete survey along with tools and instruments to collect, process and analyze the data from target households.

Scope of Work :

- a. Baseline survey design with step-wise description of survey activities including development of survey questionnaires and identification of sample size and survey group
- b. Implementation of the baseline survey and analysis of survey data (quantitative and qualitative)
- c. Submission of the draft report
- d. Finalization of the report and recommendation
- e. Presentation of finding

Qualifications & required competences of the consultant:

- a. A Master's degree in Rural Development, Agriculture, Development Studies, community development, Sociology, or a related field.
- b. The consultant should have survey skills and experience, technical expertise in the programmatic area and experience working in baseline data and KAP survey.
- c. Demonstration experience in data processing and analysis
- d. Able to make report in English.

**B. Consultant to survey of ecosystem services valuation**

WWF Indonesia is recruiting a ecosystem services and ecotourism expert to assess ecosystem services and ecotourism in 10 village at IPZ BBSNP Area. The aim of this consultancy is to undertake studies and surveys on ecosystem services and ecotourism in the IPZ BBSNP Area. This is based on the growing recognition of the important role of natural capital; the land, air, water, living organisms and all, forms of the BBSNP that provide us with ecosystem goods and services imperative for survival and wellbeing. The used of ecosystem services are expected thereby creating a base for increased community participation in natural resources management and generation of multiple benefits and revenue for selected Village. This consultancy will include conducting studies in consultation with Consortium and Balai Besar BBSNP the key implementing partners in used ES policy piloting. The studies should demonstrate assessment of ES potential to develop markets that enable ecosystems to be sustainably for services such as ecotourism, water quality, flood risk management, climate change mitigation and other benefits and prospective to diversify income streams for local communities from sustainable natural resources management. A survey will be conducted to gather baseline data on the structural status of village selected within the ES periphery proposed sites with emphasis on attitude and governance capabilities of community participating in natural resources management and community self-management and sustenance.

Job Title: Consultant to ecosystem services survey

Contractual Reporting: Livelihood Coordinator KfW Project/WWF Indonesia

Position Duration: April-August 2018

Location: IPZ BBSNP area

Objective:

The overall objective of the assignment is to assess and identify potential opportunities for engaging in ES in village selected at IPZ BBSNP Area. The task comprises conducting studies on ES potential to biodiversity conservation and climate change mitigation in the IPZ and to prepare a ES strategic plan on Incentive. In addition, the assignment seeks to help with identification of possible avenues for enhancing and engaging the private sector, government, and stakeholder.

Specific terms of reference that Consultant will address include:

- Identify the potential opportunities ES (ecotourism and direct used), key players in ES potential their type of interventions, interests and motivations;
- Facilitation of consultative meeting with all key stakeholders on ES for IPZ BBSNP;
- Conduct ES feasibility study and baseline survey
- Outline and assess challenges community, government, and stakeholder are likely to face in the ES used and engagement;
- Preparation of Strategic plan for potential ES used in the IPZ BBSNP Area (requirements for ES, financing for a ES scheme, consideration of the costs, transaction costs, schemes to strengthen the direct links between livelihoods and conservation status of the Park, scale of ES scheme, incentives for communities)
- Preparation of ES scheme framework in consultation with key stakeholders on incentive and permits.
- Present report to stakeholders on the outcomes of the analytical work at a workshop; and incorporate stakeholder comments in a final report.

Key Tasks/Inputs and Outputs:

- A detailed Baseline survey report (ecotourism and other ES direct used)
- A detailed Feasibility study report (ecotourism and other ES direct used)
- Recommendation ES Strategic Plan

Qualifications and expertise required:

- Master degree in the natural resource economics, environmental economics, environmental science, biodiversity conservation, social studies, policy analysis, or related field is required.
- The consultant should have a minimum of ten (10) years' experience in strategic plan development and experience in the field of natural resources management. A

solid understanding of Strategic Plans' development with emphasis in ES. Extended experience in project strategy development is also a requirement.

- Strong knowledge and extended experience in Baseline surveys in the natural resources sector.
- English proficiency in writing is a requirement.

### **C. For Consultant to survey of non-timber forest product**

WWF Indonesia is recruiting a non-timber forest product/ natural resource management expert to inform a resource trends assessment and feasibility study on improving security and livelihoods through sustainable harvesting and product development and marketing of NTFP resources in IPZ BBSNP Area through undertaking resource inventories of key NTFPs in source forests to determine supply of key NTFP inputs. This study will support the development of livelihood strategies at village around IPZ area for these communities in addition to informing policies and practices of government and non-government stakeholders. The consultant will also provide an overview of legal and land management frameworks relating to specific forest sources of NTFP and regulating the harvesting and management of NTFP within those source forests. Finally, the consultant will provide recommendations or conclusions on the potential of sustainable harvesting or regeneration of NTFPs in order to support sustainable livelihood strategies. The consultant will work as part of Community Facilitator, Community Organizer and other Consultant to livelihood assessment.

Job Title: Consultant to survey NTFP

Contractual Reporting: Livelihood Coordinator KfW Project/WWF Indonesia

Position Duration: April-August 2018

Location: IPZ BBSNP area

#### **Objective:**

To assess trends of non-timber forest product access and use within communities in IPZ area and to identify feasible options for improved resource management strategies, and livelihood skills in order to improve resilience and food security.

#### **Outcome:**

1. The forest products currently being utilized by communities in village for food or income is mapped, and the locations of forests where products are being sourced have been identified.
2. The current level of availability of key non-timber forest products have been assessed and options for supporting rehabilitation, more sustainable harvesting, or promoting NTFP substitutes to support livelihoods and food security have been identified.
3. Strategies for improved product development and marketing and diversification of natural resource based products have been identified and prioritized.
4. The community organization, legal and land management frameworks relating to specific forest sources of NTFP and regulating the harvesting and management of NTFP within those source forests has been identified.



5. Consultation meetings or workshop to strategic planning meetings facilitated between community groups, WWF, WCS, YABI, BBSNP, relevant government, and expert.

**Key Tasks/Inputs and Outputs:**

1. Field visits to forest areas identified as primary sources of NTFPs during community assessments.
2. Undertake resource inventory to establish availability and trends related to quantify and quality of key NTFPs selected as important for livelihoods during community assessments.
3. Recommend strategies for rehabilitation, conservation and sustainable harvesting of key NTFP resources. Recommend substitutes for species which require conservation.
4. Recommend strategies for improved product development and marketing and diversification of natural resource based products

The consultant will be expected to work with the lead program and relate stakeholder to finalize the detailed work plan and methodology for the resource inventories after which they will submit a detailed workplan and timeframe. They are responsible for successful completion of their assignment, under the guidance of and reporting to the Livelihood Coordinator for KfW Project. The consultant is expected to collaborate closely with Livelihood Coordinator, and with agreed Board Members Consortium on developing the research methodology and in conducting the survey. The consultants will provide inputs on a regular basis throughout the consultancy period, as mutually agreed.

**Qualifications and expertise required:**

- a. Minimum Master Degree in natural resource management, forestry, agriculture, botany or relevant discipline OR considerable experience in undertaking resource inventories or implementing strategies for NTFP
- b. Demonstration experience in data processing and analysis
- c. Able to make report in English.

**D. Consultant to survey of ethnographic for indigenous people**

Consortium will establish the Intensive Protection Zone of 100.000 ha of the Bukit Barisan Selatan (BBS) National Park to conserve priority habitat for rhino, tiger and elephant. To implement these activities, FPIC is required to indigenous peoples. FPIC is highly relevant to conserve the IPZ because IPZ will involve changes in forest management and use that can affect the rights and livelihoods of indigenous peoples and local communities. FPIC enables communities to safeguard their rights and interests, and also shape IPZ initiatives to support communities in ways that will contribute to successful outcomes.

WWF Indonesia is recruiting a consultant to conduct FPIC in indigenous people to gain support and participation from indigenous peoples for IPZ. Consultant will identify indigenous people, facilitate FPIC, and find the relevant role play for Consortium in such IPZ activities as awareness-raising, capacity building, project initiative, and informing the development of IPZ framework.

Job Title: Consultant to facilitate FPIC and survey for indigenous people

Contractual Reporting: Livelihood Coordinator KfW Project/WWF Indonesia

Position Duration: April-August 2018

Location: IPZ BBSNP area

Objective:

To identify indigenous people and facilitate FPIC process to awareness raising (providing information about IPZ), or initiating (co-developing demonstration projects framework) that Consortium may play. In addition, it is important to stay informed of the extent to which consent processes are being upheld where Consortium may be working on related activities, in order to adhere to commitments not to support activities in indigenous lands that have not secured FPIC. Finally, IPZ Program can raise awareness, support other stakeholders and partners (government, private sector and other civil society actors) to strengthen their understanding of and commitment to FPIC, and promote integration of FPIC in IPZ program – in order to contribute to more effective IPZ outcomes.

Key Tasks/Inputs and Outputs:

- Identifying customary lands and rights holders.
- Identifying and engaging with appropriate community decision-making institutions/ authorities.
- Identifying and engaging support organizations.
- Building mutual understanding and agreement on a locally-appropriate FPIC process.
- Providing information.
- Engaging in negotiation and supporting decision-making.
- Documenting consent-based agreements.
- Develop system of supporting and monitoring implementation of agreements.
- Recommendation to establishing and operating a conflict resolution mechanism.

Qualifications and expertise required:

- Advanced degree in human rights, law, social sciences or any related field
- Have experience in FPIC process and indigenous people survey
- English proficiency in writing is a requirement.

**III. Timeline and Deliverable**

<b>N0</b>	<b>Deliverable</b>	<b>Timeline</b>
1.	Define the survey objectives, develop the survey protocol, and design the survey questionnaire by consultant	April 2018
2.	Workshop the survey objectives and methods	May 2018
3.	Conduct training to survey team	May 2018
4.	Implementation the survey	May – July 2018

5.	Analyze the data and report	July – August 2018
6.	Workshop the strategy planning to community engagement based the survey	August 2018

#### **IV. Submission Requirements :**

Candidates wishing to apply for this post must provide:

- a. Letter of expression of interest stating how you meet the requirements above.
- b.** Updated CV including contact details of 3 referees (please state if we may contact them without your prior consent).