

Invitation for Expression of Interest – 83352499 – Consultant for the Task of “Study on Agro-Industrial Waste Management and Utilizations in Berau District”

External Announcement

11 March 2020

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is a German implementing organisation which provides services worldwide in the field of international cooperation for sustainable development. We work to shape a future worth living in over 120 countries around the world.

GIZ projects “**Strategic Exploration of Economic Mitigation Potentials through Renewables (EXPLORE)**” in Indonesia invites qualified Consultant/Individual to submit their expression of interest including their details curriculum vitae and relevant job reference (both local and overseas). Further details including deliverables, timelines and services required are mentioned in the attached Terms of Reference and annexes.

While responding to the EOI invitation by email the bidder needs to specifically mention in the subject line of the email the reference number and name of the submitting consultant/individual as “**EOI – 83352499 – Consultant for the Task of “Study on Agro-Industrial Waste Management and Utilizations in Berau District” from consultant AtoZ**”.

The email response must include the following information:

1. Expression of Interest letter
2. An introduction of the consultant, updated Curriculum Vitae and relevant work experience, and copy of tax registration number.

Emails should be received at the latest by **Friday, 27 March 2020 at 14:00 pm**, Jakarta Local Time (UTC +7).

All documents should be submitted in English and must be sent by email to: contract-indonesia@giz.de with CC to: swesty.haryanty@giz.de and danar.nugroho@giz.de. Any emails arriving after the deadline will not be considered.

Should you have any questions in respect to this, please send an email to contract-indonesia@giz.de with CC to swesty.haryanty@giz.de and danar.nugroho@giz.de.

Please note that at this stage, the submission does not constitute any commitment from GIZ-EXPLORE to proceed with the contract awarding. It would serve merely as an expression of interest for further tender process. Consultant that are successfully shortlisted after the Expression of Interest, will be invited for the tender process to submit their proposals.

We thank you for your kind attention and look forward to hearing from you.

Annexes:

1. Term of Reference (ToR)
2. Timeframe for EOI

Only short-listed candidates will be notified.

GIZ Office Jakarta – Contract and Procurement
Menara BCA, 46th Floor, Jl. MH Thamrin No. 1, Jakarta 10310, Indonesia
www.giz.de

Procurement Notice: Services

Expression of Interest (EOI) - Consultant for the Task of “Study on Agro-Industrial Waste Management and Utilizations in Berau District”

Reference No:	83352499
Date of Notice Issuance:	11 March 2020
Project :	GIZ-EXPLORE
Category of Services:	[Consultant/Individual]
Deadline of Submission:	Friday, 27 March 2020 at 14:00, Jakarta Local Time (UTC+7)

Requirement Details

See details in attachment: Annex 1-ToR Study on Agro-Industrial Waste Management and Utilizations in Berau District, East Kalimantan.

How to submit your Letter of Interest

Please submit your quotation by email to:

Send email to : contract-indonesia@giz.de
 CC to : swesty.haryanty@giz.de and danar.nugroho@giz.de
 Attn to : GIZ - Contract Indonesia

The **Subject email** should bear the following information:

- the address for submission of tenders as indicated above;
- the title “**Expression of Interest –83352499**”;
- the name of the bidder (**Your_ Name**);
- the words “**DO NOT OPEN UNTIL 27 March 2020**”

The **Documents** inside the email, must consist of:

- Expression of Interest letter
- An introduction of the consultant, updated Curriculum Vitae and relevant work experience, and scann tax registration number.

Please read carefully the terms & conditions below:

TERMS & CONDITIONS	
Delivery Place & Time	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Menara BCA, Level 46 Jl. M.H Thamrin No. 1 Jakarta 10310 – Indonesia

EOI Document	The Content of Expression Of Interest as follow : <ul style="list-style-type: none"> • Expression of Interest letter • An introduction of the consultant, updated Curriculum Vitae and relevant work experience, and scann tax registration number.
Language	All proposal documentation shall be in English
Evaluation of Consultant	The Evaluation Committee will examine the EOI's received. The consultant is expected to hand in the first step of the tender process an overview of 2 reference projects in order to evaluate the eligibility of the personal.

Submitting a EOI after the deadline for submission of quotations given will invalidate the submission; It is the exclusive responsibility of the offering party to ensure that the package containing the documents reaches the designated address before the closing date/time, so that it is time stamped and acceptable for opening.

For any questions relating to this RFQ, please send an email to contract-indonesia@giz.de and cc: danar.nugroho@giz.de

Terms of Reference (TOR)

Strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE)
National Consultant for the Task of “Study on Agro-Industrial Waste Management and Utilizations in Berau District”

1. Brief information on the project

Based on data stated in Berau Regency in figure (2018), Berau district has several main plantations, e.g. coconut, rubber, cacao, pepper, and palm oil. Among these plantations, palm oil is considered as the biggest plantation in terms of total planted area and production. Palm oil production represents to more than 70% from the total plantation production in Berau district. In addition, plantation sector contributes to approximately 9% of the total GRDP or about 20% of the total GRDP without mining in the year 2016. Regarding its contribution to employment, according to the 2013 agriculture census, about 3% of the total households worked in oil palm cultivation (BPS, 2013). Besides, the manufacturing sector employed almost 9% of the employed workforce in the district in 2016 (BPS, 2016). It is undoubtedly that palm oil production is the most important economic activity for the primary sector of the local economy in Berau after mining sector. Furthermore, only palm oil that have processing plant (mills) that process palm oil in industrial scale.

The opportunity to save GHG emissions from mill operations lies mostly in the improvement of the practice of the existing mills. Currently, there are nine operating palm oil mills in Berau with a total installed capacity of 525 tons per FFB's per hour. Those mills are operating about one third (33%) of their installed capacity assuming that the mills are only processing FFB from Berau, which was about 2 million tons in 2018. It suggests that if 80% of the estimated 290.000 ha establish plantation would be in the form of oil palm area, Berau would need about another four oil palm mills by 2050.

Progress on Plantation Development Planning

Berau District Government with the support of GIZ through the LEOPALD Project technical collaboration carried out the initial steps to improve and to prepare the plantation district-wide information as a scientific base resource for document planning. Starting with tailoring outline of the documents, listing the needed studies which have been carried out and engaging focus group discussion on related issues. Some studies have been carried out since 2018 with several topics and findings on currents condition of plantation in Berau and there are some more studies will be done in 2019.

One aspect that also important to be planned in the plantation development planning is waste management for agro-industrial waste such as palm oil processing and its plantation. Furthermore, processing waste has more impact on the environment compared to the plantation waste if it is not managed properly. Strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE) already have experiences related to waste to energy utilization from agro-industrial waste. Therefore, ExploRE, in cooperation with Leopald, will support Berau District Government on the waste management best practice from agro-industrial waste, especially related to waste to energy application. Concerning palm oil plantation, all the mills in Berau already utilized their solid waste (fiber and shell) for internal energy consumption of the mills. However, the other waste such as empty fruit bunch and palm oil mill effluent still not yet utilized or managed properly. From nine mills, only one that utilized biogas from palm oil mills effluent (POME) to electricity. The demand or potential market for waste utilization also needs to be identified so it can create a commercial business model that can attract the mill owner to utilize their waste. Despite the fact that palm oil is the only agro-industrial

commodity in Berau, the other source of waste still needs to be explored for any potential utilization that might be not identified yet.

2. Context

The main objective of this study is to assess the existing management and utilization of agro-industrial waste in Berau district and how it can be further utilized using available and proven technology combined with the commercial business model as the input for plantation development planning process. Furthermore, the impact of waste management utilization on the economy and social environment aspects of various stakeholders in Berau also needs to be investigated.

3. GIZ shall hire the contractor from 1 April 2020 until 30 June 2020.

4. The consultant shall provide the following work:

Expected Result

A report study on agro-industrial waste management and utilization. The report should ensure the following question have been answered with findings and recommendations:

- a. How the existing agro-industry mills manage and utilize their waste (solid and liquid), viewed from technical practices, internal policy of mills or companies, and local policies if any.
- b. How much amount of waste is utilized and for what purposes? Please also clarify current utilization for internal or external? Energy and non-energy utilization? and are there any waste that sold/transfer to other parties?
- c. How is the potential utilization of the waste in the future based on the development of plantation areas or productions? Including the potential market to sell the waste or the energy generated from the waste? What is the commercial business model option to utilize the waste?
- d. Who is the key stakeholder that needs to be involved in waste management and what is their role?
- e. What kinds of recommendation that can be put in the plantation development planning as better management of industrial waste?
- f. What is the social and economic impact of waste management utilization for the mill owners, local government and community?

Scope of work

The consultant shall carry out the following activities:

- a. Conduct a literature review from ExploRE and LCORE publications as well as from external sources to identify best practices and related regulations/certification (ISPO/RSPO) regarding agro-industrial waste management and utilisations.
- b. Conduct desktop analysis using secondary data on agro-waste to energy potential for individual mill in Berau. This would include potential utilisations of waste for meeting internal energy demand (heat and electricity) or non-energy applications such as fertilizer, as well as potential energy for external use (as heat, electricity or fuel).
- c. Conduct desktop analysis/field survey to identify potential market/off-taker for the waste/energy generated from the waste to create a commercial business model for the waste utilization and to identify the impact to social/economic to relevant stakeholders.
- d. Conduct field survey and meetings/focus group discussions with targeted mills and relevant stakeholders in Berau to validate the analysis and identify potential follow-

up activities. Upon survey and meeting, the consultant is also expected to compile brief report for the individual mill in Berau.

- e. Following the aforementioned activities, formulate recommendations on agro-industrial waste management and utilization that will be incorporated in the plantation planning of Berau District and disseminate the results to relevant stakeholders
- f. Provide capacity building to the relevant stakeholders in Berau regarding the agro-industrial waste management and utilization recommendation.

Deliverables and Mandays

No.	Scope of Work	Deliverables	Timing (days)
1	Literature Review (include preparation meeting with ExploRE and LEOPALD teams to discuss the report outline and methodologies)	• Desktop report	5
2	Desktop Analysis	• Interim report	7
3	Field survey and meetings with relevant stakeholder	• Survey reports • FGD / Meetings report • Brief report on each POM in Berau	13 (include 1 travel day, 2 days site visit to the mills and 2 days meeting with relevant stakeholder)
4	Report writing and dissemination (include workshop in Berau with relevant stakeholders to disseminate the report)	• Final Report • Dissemination	15 (include 1 day for preparation, 1-day travel, and 1 day for presentation with relevant stakeholder)
5	Capacity building	• Training material	5 (include 2 days for preparation, 1-day travel, and 2 days for training with relevant stakeholder)
		TOTAL	45

5. Specification of inputs

Fee days	Number of days up to	Comments
• Literature review	5	
• Desktop analysis	7	
• Field survey and meetings with relevant stakeholder	13	
• Report writing and dissemination	15	
• Capacity building	5	
Travel expenses	Number of days/nights up to	Comments
• Per diem	10	Site visit to Berau
• Accommodation allowance	8	Site visit and dissemination in Berau
Other travel expenses		Comments
• Number of domestic trips	3	Inc. land transportations in Berau for site visit and dissemination

• Number of trips abroad	0	
• Ancillary travel expenses (e.g. visa, airport transfers)	3	Site visit and dissemination in Berau
Flights	Number of flights up to	Comments
• International flights		
• Domestic flights	3	2 return flights (Jakarta – East Kalimantan) for site visit and dissemination in Berau
Other costs		Comments
• Local transport	1	Car rental in Berau

About GIZ

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is a German implementing organisation which provides services worldwide in the field of international cooperation for sustainable development. We work to shape a future worth living in over 120 countries around the world. For more than 40 years, GIZ has been working jointly with partners in Indonesia. Currently, GIZ works with over 300 employees in Indonesia, of whom over 80 per cent are national personnel.

Annex-2

Timeframe EOI - 83352499 - "Study on Agro-Industrial Waste Management and Utilizations in Berau District"

NO	ACTIVITY	Mar-20																														Apr-20			
		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2								
1	Preparation																																		
2	Announcement Expression Of Interest (EOI)																																		
3	EOI Submission Dateline																																		
4	Evaluation of Submission																																		
5	Announcement of Shortlist																																		
6	Invitation To Tender																																		