

AFB/PPRC.19/9 26 September 2016

Adaptation Fund Board Project and Programme Review Committee Nineteenth Meeting Bonn, Germany, 4-5 October 2016

Agenda Item 7 d)

PROPOSAL FOR INDONESIA

Background

1. The Operational Policies and Guidelines (OPG) for Parties to Access Resources from the Adaptation Fund (the Fund), adopted by the Adaptation Fund Board (the Board), state in paragraph 45 that regular adaptation project and programme proposals, i.e. those that request funding exceeding US\$ 1 million, would undergo either a one-step, or a two-step approval process. In case of the one-step process, the proponent would directly submit a fully-developed project proposal. In the two-step process, the proponent would first submit a brief project concept, which would be reviewed by the Project and Programme Review Committee (PPRC) and would have to receive the endorsement of the Board. In the second step, the fully-developed project/programme document would be reviewed by the PPRC, and would ultimately require the Board's approval.

2. The Templates approved by the Board (OPG, Annex 4) do not include a separate template for project and programme concepts but provide that these are to be submitted using the project and programme proposal template. The section on Adaptation Fund Project Review Criteria states:

For regular projects using the two-step approval process, only the first four criteria will be applied when reviewing the 1st step for regular project concept. In addition, the information provided in the 1st step approval process with respect to the review criteria for the regular project concept could be less detailed than the information in the request for approval template submitted at the 2nd step approval process. Furthermore, a final project document is required for regular projects for the 2nd step approval, in addition to the approval template.

- 3. The first four criteria mentioned above are:
 - 1. Country Eligibility,
 - 2. Project Eligibility,
 - 3. Resource Availability, and
 - 4. Eligibility of NIE/MIE.
- 4. The fifth criterion, applied when reviewing a fully-developed project document, is: 5. Implementation Arrangements.

5. It is worth noting that since the twenty-second Board meeting, the Environmental and Social (E&S) Policy of the Fund was approved and consequently compliance with the Policy has been included in the review criteria both for concept documents and fully-developed project documents. The proposals template was revised as well, to include sections requesting demonstration of compliance of the project/programme with the E&S Policy.

6. In its seventeenth meeting, the Board decided (Decision B.17/7) to approve "Instructions for preparing a request for project or programme funding from the Adaptation Fund", contained in the Annex to document AFB/PPRC.8/4, which further outlines applicable review criteria for both concepts and fully-developed proposals. The latest version of this document was launched in conjunction with the revision of the Operational Policies and Guidelines in November 2013.

7. Based on the Board Decision B.9/2, the first call for project and programme proposals was issued and an invitation letter to eligible Parties to submit project and programme proposals to the Fund was sent out on April 8, 2010.

8. According to the Board Decision B.12/10, a project or programme proposal needs to be received by the secretariat no less than nine weeks before a Board meeting, in order to be considered by the Board in that meeting.

9. The following project concept document titled "Building resilience of coastal and small islands villages and their communities to climate change and extreme climate, through applying smart adaptive measures, improvement on policy and institutional coordination" was submitted by the Partnership for Governance Reform in Indonesia (Kemitraan), which is a National Implementing Entity of the Adaptation Fund.

10. This is the first submission of the proposal. It was received by the secretariat in time to be considered in the twenty-eighth Board meeting. The secretariat carried out a technical review of the project proposal, assigned it the diary number IDN/NIE/Coastal/2016/1, and completed a review sheet.

11. In accordance with a request to the secretariat made by the Board in its 10th meeting, the secretariat shared this review sheet with Kemitraan, and offered it the opportunity of providing responses before the review sheet was sent to the PPRC.

12. The secretariat is submitting to the PPRC the summary and, pursuant to decision B.17/15, the final technical review of the project, both prepared by the secretariat, along with the final submission of the proposal in the following section. In accordance with decision B.25.15, the proposal is submitted with changes between the initial submission and the revised version highlighted.

Project Summary

<u>Indonesia</u> – Building resilience of coastal and small islands villages and their communities to climate change and extreme climate, through applying smart adaptive measures, improvement on policy and institutional coordination

Implementing Entity: *Partnership for Governance Reform in Indonesia (Kemitraan)* Project/Programme Execution Cost: USD 369,716 Total Project/Programme Cost: 3,808,416 Implementing Fee: USD 266,589 Financing Requested: USD 4,075,005

Project Background and Context:

The proposed project seeks to facilitate coastal communities affected by sea level rise by identifying and implementing strategy, technology and methods to improve livelihood and to reduce climate related risk. It further focuses on strengthening economic capacity of coastal community in the face of coastal inundation, erosion and extreme climate events, facilitating regional government to develop climate scenarios, climate vulnerability assessment, regional climate adaptation action, and in mainstreaming climate adaptation action into regional development plans. Furthermore, the project aims to provide the regional government with research, feasibility studies and policy papers in management of inundated coastal villages.

<u>Component A</u>: Strengthening resilience of coastal community (USD 2,477,140)

This component aims to respond to coastal inundation and erosion by coastal ecosystem-based restoration and structure intervention. This component will also strengthen local livelihood affected by the changing climate patterns by improving technology and methods for aquaculture and introducing early warning systems and seasonal climate and weather forecast information for decision making in farming and fishing activities. The component will also develop alternative livelihood concepts, develop management of domestic waste and provide recommendations for the health sector in the district level on integrating the adaptation action plan into the health program.

<u>Component B</u>: Improvement on government policy and program on climate adaptation (USD 651,800)

The second component focuses on mainstreaming adaptation plan into regional development plan and developing policy and plan on un-avoided inundated coastal areas. This component will develop convergence methodology on vulnerability assessment, build capacity in developing climate change scenarios for regional government and local stakeholders, carry out a vulnerability assessment to provide the background data for the local action plan and produce studies and policy papers on inundated areas.

<u>Component C</u>: Knowledge management (USD 309,800)

This component aims at effective knowledge management and learning exchange among the project location districts as well as in the local, provincial, and national level including the involvement of civil society and universities. This component will facilitate learning exchange

through multi-stakeholder forum at national and regional level and through media and public outreach on project outcomes and activities, outputs and learnings in the national and regional level. The component also includes the setup of data centres in sub-districts of Central Java.



ADAPTATION FUND BOARD SECRETARIAT TECHNICAL REVIEW OF PROJECT/PROGRAMME PROPOSAL

PROJECT/PROGRAMME CATEGORY: Regular-sized Project Concept

Country/Region:	Indonesia	
Project Title:	Building resilience of coast extreme climate, through ap coordination	al and small islands villages and their communities to climate change and oplying smart adaptive measures, improvement on policy and institutional
AF Project ID:	IDN/NIE/Coastal/2016/1	
IE Project ID:		Requested Financing from Adaptation Fund (US Dollars): \$4,075,005
Reviewer and cont	act person: Anni Rein	Co-reviewer(s): Ming Yang, Mikko Ollikainen
IE Contact Person:	Dewi Rizki	

Review Criteria	Questions	Comments initial review	Comments final review
	 Is the country party to the Kyoto Protocol? 	Yes.	
Country Eligibility	2. Is the country a developing country particularly vulnerable to the adverse effects of climate change?	Yes.	
Project Eligibility	 Has the designated government authority for the Adaptation Fund endorsed the project/programme? 	Yes.	

2.	Does the project / programme	Requires significant clarification.	CAR1: Addressed.
	support concrete adaptation	CAR1: Please use the regular project	
	actions to assist the country	proposal template instead of the regional	CR1: Not adequately addressed. The
	in addressing adaptive	project pre-concept template and provide	information provided is quite general and
	capacity to the adverse	the detailed structure of the proposed	does not comprehensively cover the
	effects of climate change and	project concept, and contents of each	project areas nor provide enough
	build in climate resilience?	component and activity in Part I and II.	background information to support the
		CR1: Please analyse and explain in	design of the project.
		detail, based on climate scenarios, the	
		expected changes to weather events in	CR2: Not adequately addressed. The
		the project areas and their impacts and	project areas have been specified on
		reflect those in the design of the project	district level but the planned locations for
		with quantified information.	adaptation activities (e.g. the ecosystem-
		CR2: Please outline the specific planned	based restoration and pilot projects on
		project locations with maps and provide	innovative technology and methods to
		contextual information on their economy	respond to impacts of climate change on
		dovelopment challenges and past	hoon specified. The contextual
		climate change adaptation interventions	information on the project locations is not
		CR3 . Please explain the project rationale	sufficient
		in relation to the climate scenario(s)	Suncient.
		outlined in the background and context	CR3: Not sufficiently addressed. The
		section and demonstrate that the	provided background information on
		proposed adaptation measures are	climate scenarios is not adequate to fully
		suited for the identified climate threats.	support the design of the project. It not
		CR4: The proposal should provide a	clearly demonstrated that the proposed
		higher level of details regarding the	measures are suited and adequate for
		activities planned in the project, further	the identified climate threats.
		highlighting the concrete aspects of the	
		proposed activities and describing the	CR4: Partially addressed. The revised
		visible and tangible results that are	proposal provides information on the
		expected on the ground. A clear majority	planned activities but for many of the
		of the project budget should be allocated	project activities the level of details is not
		to visible and tangible activities. The	adequate (e.g. environment restoration,
		project objectives must also be aligned	pilot project on fishing and aquaculture).
		WITH THE AF RESULTS FRAMEWORK.	CK3: NOT TUILY addressed. Some of the
		CR3: Since the success of some	non-climatic barriers have been
		objectives that the programme seeks to	addressed in the section in C (please
		achieve (e.g. synchronizing adaptation	note that the part in is not required at the
		may highly depend on pon-climatic	notential non-climatic barriers (e.g. on
		harriers please include in the proposal a	administrative level and related to
		description of such non-climatic barriers	canacity) that are dismissed

3.	Does the project / programme	Unclear. As the information of the project	
	provide economic, social and	locations, design and beneficiaries is	
	environmental benefits,	inadequate, it is not possible to assess	
	particularly to vulnerable	whether the project would yield such	
	communities, including	benefits. The proposal should include	
	gender considerations, while	information on the expected	
	avoiding or mitigating	beneficiaries of the project/programme,	
	negative impacts, in	with particular reference to the equitable	
	compliance with the	distribution of benefits to vulnerable	
	Environmental and Social	communities, households, and	
	Policy of the Fund?	individuals. In target areas where	
		minority groups and indigenous	
		communities have been identified,	
		particular benefits provided by the	
		project/programme to those groups	
		should be outlined.	
		CR6: After specifying the concrete	CR6: Not adequately addressed.
		project activities and their outcomes,	Expected benefits are outlined but
		please provide information on the	neither adequate information on the
		expected benefits in relation to the	expected beneficiaries nor their selection
		baseline situation. Please include	method has been provided.
		information about the expected	·
		beneficiaries of the programme, outlining	
		their level of vulnerability to the impacts	
		of climate change, and explaining why	CR7: Not fully addressed, see comment
		they have been selected, taking into	above. The benefits have been
		account gender considerations.	described on a general level. It is stated
		CR7: Please explain what types of	that it is probable that the proposed
		economic, social and environmental	project may involve indigenous people –
		benefits the programme is likely to	however, information on the benefits
		provide to the beneficiaries. If applicable,	provided to the vulnerable groups or
		please highlight the benefits provided by	minorities is not provided.
		the project to minority groups or	'
		indigenous communities.	

4.	Is the project / programme cost effective?	Unclear. Based on the information provided on the project activities, this cannot be judged. CR8: At the concept stage, the proposal should provide a logical explanation of the selected scope and approach. The cost-effectiveness should also be demonstrated from a sustainability point of view.	CR8: Partially addressed. For certain proposed activities, it is difficult to get an understanding of the scope of the outputs as the information is not quantified or specified on an adequate level (e.g. the amount of beneficiary households).
		CR9: After the project activities have been described in detail, please present the selected options compared to the cost-effectiveness of other possible options yielding similar results that were not selected. CR10: Please clarify the financing structure of the project. On page 10 of the proposal, it is mentioned that the proposed project mainly provides technical assistance for regional government while program implementation at the district level will	CR9: Not addressed. Cost-effectiveness is not demonstrated. The proposal should highlight the effectiveness and relevance of the chosen approach vis-à- vis other adaptation measures that would seek the same objectives, i.e. the proposal should provide evidence for the value (costs vs. benefits) of the investment of the project. The cost- effectiveness should also be demonstrated from a sustainability point of view.
		mainly be funded from regional budget. However, this does not support the full cost of adaptation reasoning (see CR14), nor the requirement for concrete activities and visible and tangible results (see CR4). Also, the mentioned financing structure is not stated in the project budget.	CR10: Not applicable anymore. Other financing sources are not presented in the revised proposal.

 Is the project / programme consistent with national or sub-national sustainable development strategies, national or sub-national development plans, poverty reduction strategies, national 	Requires clarification. Some of the relevant plans and strategies have been identified but there is no reference e.g. to the sub-national or sectoral plans. The proposal should not only list the strategies, plans and other relevant	
communications and adaptation programs of action and other relevant	with them. CR11 : Please provide any specific sub- national development strategies/plans	CR11: Addressed.
instruments?	and most important relevant sectoral plans and strategies that may be relevant in terms of the proposed activities. CR12: Please explain briefly how the proposed project aligns with each	CR12: Mostly addressed. For some strategies/plans, the explanation is included. Some of the strategies/plans are listed without explanation.
6. Does the project / programmer meet the relevant national technical standards, where applicable, in compliance with the Environmental and Social Policy of the Fund?	 strategy/plan that has been listed. Requires clarification. As the project activities have not been specified, the proposal refers to the technical standards in a general manner. At the concept stage, the relevant national technical standards need to be identified, and compliance stated in a logical manner. CAR2: After specifying the project activities, please identify and describe all applicable technical standards relevant for the proposed type of project. This includes, among others, standards on environmental impact assessments. 	CAR2: Addressed.

7.	Is there duplication of project / programme with other funding sources?	Requires clarification. No information on past or on-going initiatives relevant to the proposed project have been provided although it is mentioned that there may be some overlapping with e.g. data collection. All relevant potentially overlapping projects need to be identified, and lack of complementarity stated in a logical manner. CR13: Please explain whether there would be duplication with any potentially overlapping projects / programmes, and specify what are linkages and synergies with other projects if any.	CR13: Addressed. CR18 : On page 33, it is mentioned that there are 15 priority areas some of which have vulnerability assessment data. However, this is not mentioned in the proposal in relation to the lack of complementarity or synergies even though Component A includes vulnerability assessments.
δ.	Does the project / programme have a learning and knowledge management component to capture and feedback lessons?	Yes. Research activities and knowledge management is presented as one of the project components with three specified outcomes. A higher level of details will be needed for the fully developed proposal.	cR19: The revised proposal does not provide enough information on one of the outputs of knowledge management, namely the data center(s).
9.	Has a consultative process taken place, and has it involved all key stakeholders, and vulnerable groups, including gender considerations?	No. The consultative process is planned only during the project planning stage. CAR3: At the concept stage, an initial consultative process has to take place, with key stakeholders of the project. In project target areas where minority groups and indigenous peoples have been identified, they should be consulted at the concept stage and their interests or concerns taken into account when designing the proposal. If the concept proposal and PFG is approved, the PFG will support a comprehensive stakeholder consultation process in the project preparation phase.	CAR3: Not addressed. Key stakeholders (e.g. expected beneficiaries, regional or local government) or vulnerable groups have not been consulted. The consultations cover national level and ministries, some CSOs and NGOs.

	10. Is the requested financing justified on the basis of full cost of adaptation reasoning?	Unclear. The proposal should demonstrate that the project activities are relevant in addressing its adaptation objectives and that, taken solely, without additional funding from other donors, they will help achieve these objectives. CR14: Please demonstrate the full cost of adaptation reasoning and ensure consistency of the information throughout the proposal (see CR10).	CR14: Not addressed. As the external funding source has been removed from the revised proposal, the full cost of adaptation reasoning is clearer but the explanation provided does not answer the question.
	11. Is the project / program aligned with AF's results framework?	Possibly, depending on the information from CARs and CRs.	The information provided shows that the proposed project would be aligned with the Fund's results framework.
	12. Has the sustainability of the project/programme outcomes been taken into account when designing the project?	Requires clarification. The proposal refers to sustainability but further explanation and demonstration is required. CR15: The proposal should explain how the adaptation benefits achieved will be sustained after the project ends, and how replication and scaling up with other funds are enabled. All key areas of sustainability should be addressed, including but not limited to economic, social, environmental, institutional, and financial.	CR15: Not sufficiently addressed. Sustainability in terms of capacity building, policies and adaptation plans is somewhat explained but sustainability of concrete outcomes of the project (e.g. ecosystem restoration, buildings, data center) is not demonstrated.
	13. Does the project / programme provide an overview of environmental and social impacts / risks identified?	No. CAR4: Please provide an overview of environmental and social impacts/risks identified in Part II, section K in accordance to the Environmental and Social Policy of the Fund and state the category in which the screening process has classified the programme.	CAR4: Partially addressed. The overview of the risks is presented but not in a clear manner. The proposal should state the category in which the screening process has classified the project.
Resource	1. Is the requested project /	No. The Adaptation Fund Board has	

Availability	programme funding within the cap of the country?	approved a project, on 11 May 2015, a project for Indonesia, to be implemented by the World Food Programme. The funding approved for the WFP project is US\$ 5,995,666. Given the currently applicably cap of US\$ 10,000,000 per country. Only US\$ 4,004,334 remain available for Indonesia. While WFP has communicated to the Adaptation Fund Board secretariat that it has discussed cancellation or transfer of the project with the Indonesian Government and the executing entities, this has not been confirmed by the Indonesian Government. For the Adaptation Fund Board to be able to consider the current proposal at its 28 th meeting, either the WFP project would need to be cancelled, thereby releasing funds for the new project with the proposed budget or, the total funding request of the current proposal and its project remains effective, please consider reducing the total funding request for the current proposal and its project formulation grant effective, please consider reducing the total funding request for the current proposal and its project formulation grant request to remain at or below US\$ 4,004,334.	CAR5: Addressed. The Designated Authority has communicated that they have come to decision to cancel the WFP project, thus the proposal in question remains the sole funding request within the country. The total funding request is US\$ 4,075,005.
	2. Is the Implementing Entity Management Fee at or below 8.5 per cent of the total project/programme budget before the fee?	Yes, at 8 per cent.	Yes, at 7 per cent.

	3.	Are the Project/Programme Execution Costs at or below 9.5 per cent of the total project/programme budget?	Yes, at 2.7 per cent.	 No. The Project Execution Costs are at 9.71 per cent of the total project budget. CAR6: Please revise the budget so that the Project Execution Costs are at or below 9.5 percent of the total project budget.
Eligibility of IE	4.	Is the project/programme submitted through an eligible Implementing Entity that has been accredited by the Board?	Yes.	
	1.	Is there adequate arrangement for project / programme management?	n/a (Not required at Project Concept stage).	
	2.	Are there measures for financial and project/programme risk management?	n/a (Not required at Project Concept stage).	
Implement ation Arrangeme nts	3.	Are there measures in place for the management of for environmental and social risks, in line with the Environmental and Social Policy of the Fund? Proponents are encouraged to refer to the draft Guidance document for Implementing Entities on compliance with the Adaptation Fund Environmental and Social Policy, for details.	n/a (Not required at Project Concept stage).	
	4.	Is a budget on the Implementing Entity Management Fee use included?	n/a (Not required at Project Concept stage).	

5. Is an explanation and a breakdown of the execution costs included?	n/a (Not required at Project Concept stage).
6. Is a detailed budget including budget notes included?	n/a (Not required at Project Concept stage).
 Are arrangements for monitoring and evaluation clearly defined, including budgeted M&E plans and sex-disaggregated data, targets and indicators? 	n/a (Not required at Project Concept stage).
 Does the M&E Framework include a break-down of how implementing entity IE fees will be utilized in the supervision of the M&E function? 	n/a (Not required at Project Concept stage).
9. Does the project/programme's results framework align with the AF's results framework? Does it include at least one core outcome indicator from the Fund's results framework?	n/a (Not required at Project Concept stage).
10. Is a disbursement schedule with time-bound milestones included?	n/a (Not required at Project Concept stage).

Technical	The objective of the proposed project concept is to strengthen adaptation and resilience of coastal and small
Summary	island communities of Indonesia to the impacts of climate change. The project would be conducted on two
·	different regions of Indonesia: In districts and cities in large islands of Indonesia and on small islands, particularly
	in eastern part of Indonesia. The project would have three components:
	Component 1: Strengthening village resilience of climate-affected coastal and small islands
	Component 2: Developing and implementing structural and non-structural adaptation actions to reduce
	impact of climate change and climate-related disaster
	Component 3: Supporting research activities and knowledge management

The initial technical review found that the project concept proposal was drafted on the regional pre-concept proposal template. Since the proposal focuses only on activities within Indonesia and the regional approach was not mentioned in the proposal, the concept proposal has been reviewed as a regular concept proposal. While the usage of the incorrect proposal template has led to parts of information missing completely, the overall level of details is not adequate for a project proposal at the concept stage.

The adaptation reasoning of the proposal is quite general and more information on the climate change impacts in the project locations is required. Overall, there is a lack of coherence between the project objectives, activities, and outcomes and a more detailed description of the expected benefits, beneficiaries and locations is required. The proposal should also outline the concrete adaptation activities of the project, and describe how these activities contribute to climate resilience and achieve visible and tangible results on the ground. The project activities should align with the overall goal and objectives hence ensuring the cohesion of the components among themselves. It should be demonstrated that the proposed adaptation measures are suited or adequate for the identified climate threats. Also the non-climatic barriers to achieving the project objective should be taken into account and a strategy to minimize such risks should be explained. Initial stakeholder consultation, which has not been carried out, is required already at the concept stage. Further specifications on the financing structure is needed, as well as demonstration of full adaptation cost reasoning, cost-effectiveness and sustainability of the project. The proposal should also describe the complementarity of the project with other previous or existing projects in the project locations and demonstrate how the proposed project complies with the national, sub-national and sectoral strategies, plans, and standards.

<u>Comments on the PFG application</u>: Please consider if necessary funds are allocated for the full stakeholder consultation as various stakeholder groups need to be covered during the full consultative process. As there are several remarks concerning the project development process, they should be taken into account in the revised PFG application as well.

The initial technical review made four Corrective Action Requests (CARs):

CAR1: Please use the regular project proposal template instead of the regional project pre-concept template and provide the detailed structure of the proposed project concept, and contents of each component and activity in Part I and II.

CAR2: After specifying the project activities, please identify and describe all applicable technical standards relevant for the proposed type of project. This includes, among others, standards on environmental impact assessments.

CAR3: At the concept stage, an initial consultative process has to take place, with key stakeholders of the project.

In project target areas where minority groups and indigenous peoples have been identified, they should be consulted at the concept stage and their interests or concerns taken into account when designing the proposal. If the concept proposal and PFG is approved, the PFG will support a comprehensive stakeholder consultation process in the project preparation phase.

CAR4: Please provide an overview of environmental and social impacts/risks identified in Part II, section K in accordance to the Environmental and Social Policy of the Fund and state the category in which the screening process has classified the programme.

CAR5: If the WFP project remains effective, please consider reducing the total funding request for the current proposal and its project formulation grant request to remain at or below US\$ 4,004,334.

The initial technical review also made 15 Clarification Requests (CRs):

CR1: Please analyse and explain in detail, based on climate scenarios, the expected changes to weather events in the project areas and their impacts on food security and reflect those in the design of the project with quantified information.

CR2: Please outline the specific planned project locations with maps and provide contextual information on their economy and livelihoods, non-climatic development challenges and past climate change adaptation interventions. **CR3:** Please explain the project rationale in relation to the climate scenario(s) outlined in the background and context section and demonstrate that the proposed adaptation measures are suited for the identified climate threats.

CR4: The proposal should provide a higher level of details regarding the activities planned in the project, further highlighting the concrete aspects of the proposed activities and describing the visible and tangible results that are expected on the ground. A clear majority of the project budget should be allocated to visible and tangible activities. The project objectives must also be aligned with the AF Results Framework.

CR5: Since the success of some objectives that the programme seeks to achieve (e.g. synchronizing adaptation planning into local development plans) may highly depend on non-climatic barriers, please include in the proposal a description of such non-climatic barriers, and explain the strategy the programme will follow to minimize the non-climatic risks.

CR6: After specifying the concrete project activities and their outcomes, please provide information on the expected benefits in relation to the baseline situation. Please include information about the expected beneficiaries of the programme, outlining their level of vulnerability to the impacts of climate change, and explaining why they have been selected, taking into account gender considerations.

CR7: Please explain what types of economic, social and environmental benefits the programme is likely to provide to the beneficiaries. If applicable, please highlight the benefits provided by the project to minority groups or indigenous communities.

CR8: At the concept stage, the proposal should provide a logical explanation of the selected scope and approach.

The cost-effectiveness should also be demonstrated from a sustainability point of view. **CR9:** After the project activities have been described in detail, please present the selected options compared to the cost-effectiveness of other possible options yielding similar results that were not selected. CR10: Please clarify the financing structure of the project. On page 10 of the proposal, it is mentioned that the proposed project mainly provides technical assistance for regional government while program implementation at the district level will mainly be funded from regional budget. However, this does not support the full cost of adaptation reasoning (see CR14), nor the requirement for concrete activities and visible and tangible results (see CR4). Also, the mentioned financing structure is not stated in the project budget. CR11: Please provide any specific sub-national development strategies/plans and most important relevant sectoral plans and strategies that may be relevant in terms of the proposed activities. **CR12:** Please explain briefly how the proposed project aligns with each strategy/plan that has been listed. CR13: Please explain whether there would be duplication with any potentially overlapping projects / programmes, and specify what are linkages and synergies with other projects if any. CR14: Please demonstrate the full cost of adaptation reasoning and ensure consistency of the information throughout the proposal (see CR10). **CR15**: The proposal should explain how the adaptation benefits achieved will be sustained after the project ends, and how replication and scaling up with other funds are enabled. All key areas of sustainability should be addressed, including but not limited to economic, social, environmental, institutional, and financial. The revised proposal provides a revised project design with plenty of new information. The three components presented in the revised proposal are: Component A: Strengthening resilience of coastal community Component B: Improvement on government policy and program on climate adaptation **Component C: Knowledge Management** The final technical review made one additional Corrective Action Request (CAR): CAR6: Please revise the budget so that the Project Execution Costs are at or below 9.5 percent of the total project budget. The final technical review made also four additional Clarification Requests (CRs): **CR16**: Please ensure consistency with the outcomes and outcome indicators throughout the proposal. **CR17:** The revised proposal raises a question if the focus of the proposed concept is clear enough. There are

	 several outputs thus it is uncertain whether the proposed project can achieve its objectives if the resources are excessively spread out (e.g. to developing district health strategic plan and waste management). Furthermore, it is stated also in the revised proposal that "the funded program mainly provides technical assistance, tools and knowledge for regional government and village community" (page 38). This raises another question of whether the project is sufficiently focused on supporting concrete adaptation actions. CR18: On page 33, it is mentioned that there are 15 priority areas some of which have vulnerability assessment data. However, this is not mentioned in the proposal in relation to the lack of complementarity or synergies even though Component A includes vulnerability assessments. CR19: The revised proposal does not provide enough information on one of the outputs of knowledge management, namely the data center(s). The revised proposal has addressed some of the issues raised in the initial technical review. However, the final technical review finds that the proposal fails to correctly address the corrective action requests and clarifications requests made in the initial review. The following observations are made: The proposal does not clearly demonstrate that the proposed measures are suited and adequate for the identified climate threats. It is unclear if the project design is coherent and focused enough and whether all the project activities are necessary for fulfilling its objectives. The proposal does not provide information on the expected beneficiaries and the benefits to the vulnerable groups. An initial consultative process among the key stakeholders (e.g. expected beneficiaries, regional or local government) or vulnerable groups has not been carried out.
Date:	9 September 2016



REQUEST FOR PROJECT/PROGRAMME FUNDING FROM THE ADAPTATION FUND

The annexed form should be completed and transmitted to the Adaptation Fund Board Secretariat by email or fax.

<u>Please type in the responses using the template provided. The instructions attached to the form provide guidance to filling out the template.</u>

<u>Please note that a project/programme must be fully prepared (i.e., fully appraised for feasibility)</u> when the request is submitted. The final project/programme document resulting from the appraisal process should be attached to this request for funding.

1

Complete documentation should be sent to:

The Adaptation Fund Board Secretariat 1818 H Street NW MSN P4-400 Washington, D.C., 20433 U.S.A Fax: +1 (202) 522-3240/5 Email: afbsec@adaptation-fund.org



ADAF			
PROJECT/PROGRAMME PRO	OPOSAL TO THE ADAPTATION FUN	ID	
PART I: PROJECT/PROGRAM	IE INFORMATION		
Project/Programme Category: Country/ies: Title of Project/Programme: and their communities to climate chan adaptive measures, improvement on p residence of coastal and small islands	REGULAR-SIZED Project Concept INDONESIA Building resilience of inundated coastal villages ge and extreme climate, through applying smart policy and institutional coordination Building villages and their communities to climate change		Formatted: Highlight
and extreme cimate, through appying policy and institutional coordination Type of Implementing Entity: Implementing Entity: Executing Entity/ies:	<u>National Implementing Entity</u> <u>Kemitraan (The Partnership for</u> <u>Governance Reform)</u> <u>Directorate General of Climate</u>		
Amount of Financing Requested:	Change Control, The Ministry of Environment and Forestry (to be filled in) of Indonesia 9,845,2804,075,005 (in U.S Dollars Equivalent)		Formatted: Font: Not Italic, Font color: Auto
Provide brief information on the problem to Outline the economic social, developmento operate.	he proposed project/programme is aiming to solve. t and environmental context in which the project would		Formatted: Font: 11 pt Formatted: Line spacing: Multiple 1.15 li Formatted: Font: 11 pt
Indonesia is an archipelagic country cor population lives on in the six largest islar Bali, Nusatenggara, and Maluku. Java Is Indonesian 254 million population. Java Indonesian industrial sector. More than areas of the six main islands (MMAF, 20 islands such as Java are facing signif increasing sea level. Many coastal com minimum basic public services and infrast	nprised of 13,487 islands (Topomini, 2010). Most of- nds, which are Sumatera, Java, Sulawesi, Kalimantan, sland is most populated island with 59 percent of the a is the main source of staple foods and most of the 60 percent of Indonesian population lives in coastal 11). Coastal communities living in densely populated icant impacts of climate change, especially due to munities are live in what is considered poverty with ructure.		Formatted: Justified, Line spacing: Multiple 1.15 li
The proposed program will facilitate coass identifying and implementing strategy, to reduce climate related risk. The proposi capacity of coastal community in the face events, facilitating regional government	tal communities affected by the increasing sea level by echnology and methods to improve livelihood and to sed program is focusing on: strengthening economic ce of coastal inundation, erotion and extreme climate (districts and cities) to develop climate scenarios,		

climate vulnerability assessment, regional climate adaptation action, and in mainstreaming climate adaptation action into regional development plan. Furthermore, the proposed program will provide the regional government with research, feasibility studies and policy papers in management of un-avoided inundated coastal villages. At this moment, there is neither studies available to demonstrate long-term economic lost of inundated land nor concrete policy and plans to manage un-avoided abandoned inundated land for alternative economic and ecological opportunity.

The government of Indonesia has issued adaptation plan (RAN-API) in 2014. One of the strategies of RAN-API is to integrate the action plan into the national action plan. Currently not all of local governments haves already mainstreamed national adaptation plan into local development plan. The Ministry of Environement and Forestry (MoEF) has developed Information System on Vulnerable Index Data (SIDIK). However, there is still poor vulnerable data received by the Ministry of Environement and Forestry from the Local Government. This situation describes that most of local governments (proincial and district level). Most local governments are nothave net yet been aware of the importance of climatethe adpatation plans toward the development. Most of government officials do not havehave net yet sufficient knowledge on how to syncronize the planning, develop climate scenarios or developing long-term planning for inundated land. It is essential to have proper knowledge management and sharing between relevant stakeholders to accelerate adaptation policy and plans. The communities require the knolwedge and skills on adaptation measures to provide input for policy and make the community more resilient to climate threat.

Climate Scenario in Indonesia

Indonesia Climate Change Sectoral Roadmap (ICCSR) (2009) has stated that increasing sea surface temperature (SST) will reach 0.6°C to 0.7°C by 2030 and continue to increase 1°C to 1.2°C by 2050 compared to the average SST in year 2000. It will continue to increase up to 1.6°C to 1.8°C in 2080 and will reach 2°C to 2.3°C by 2100. The global warning is a result of the of greenhouse gases impact on sea levels (BAPPENAS, 2009).

Highest sea level rise (SLR) occurred in Indonesia, facing the Pacific Ocean on the north part of Papua, is 1cm/year, while the lowest sea level rise occur in the south Jawa Sea which is only 0.2cm/year to 0.4cm/year. The increase of SLR by 2030 will reach 6 - 30cm, with an average increase for the entire Indonesian regions ranging between 15cm to 18cm. By 2050, the SLR will rise up to 10-50cm with average increase of 25-30cm. The SLR differences between the Pacific and the Indian Ocean contributed to the change of ocean current characteristics Indonesian Through Flow (ITF), which could change regional climate patterns in Indonesia. The increase intensities of ITF could result changes of local rain patterns in regions within Indonesia. Not only changing the current patterns, but the SLR could also cause increase of erosion, changes of coastal lines and reduction of wetland areas along the coasts.

Changing Climate Pattern Impact on Beneficiaries

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The beneficiaries of the program have been chosen because they are vulnerable to adverse. economic and livelihood impact to climate change. Changing in seasonal climate has impact to livelihood acitivities, especially on fishing and marine-culture. Coastal communities have been observing changes in natural traditional climate making indicators for climate season and traditional knowledge on 'weather calendar' is-not reliable anymore. Fishermen are facing greater risk at sea and costly fishing. Changing in seasonal climate and sea current has impact to seas farming as well. Seaweed farming, which has increasingly to become a main income source for together with fishing for communitiesy onat small islands for the last two decades, have experienced frequent crop failure. Cultivating seaweed in a season where temperature, salinity and sea current are extreme usually cause total failure. Communities also face similar climatic problems on their farming land (staple food and fish farming). Every year Indonesia reports thousand of hectares of rice and corn field are either having water deficits or inudantion by flood. These climatic changes are impacting not only food supply but also financial stability for the community members that make a living off of agriculture and fishing. Wherein those occurences, women, children and the marginalized community, including disabled personsdifables, have become became the group mostly impacted by the shifting of climate manifestation.

Seasonal and daily climate forecast information have potential to reduce the impact of this extreme climate variability for farmers and fishers. The information has been introduced and available on government website for several decades. However, access to internet and translating the forecast information into lay people language is a challenge to proper use of it for livelihood resiliance (Boer, et al 2003; Siregar, 2009). The choosen locations and beneficiaries that live in the affected areas are in need of support to find solutions to the climatic changes they are facing everyday.

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Coastal erotion and inundation

Climate changes contributed to significant impacts on Indonesian coastal communities, especially coastal ecosystems with low land elevation. Several small islands in Indonesia have also totally and partially been inundated and the numbers are growing. Indonesia Ministry of Marine Affair and Fishery reported that since 2005 Indonesia at least has lost 24 of small islands. It is predicted in year 2030 Indonesia will loose another thousand of small islands with low elevation in Maluku, Riau, and West Sulawesi Province if no significant preventive measures are taken. Unfortunately, communities and local government in these areas usually have limited human and financial capacity to save the islands.

Situation Analysis in the Target Areas

Although impact of climate change on sea level rise in Java is assumed to be lower than other parts of Indonesia, the impacts on the highly populated urban areas is significant. Several coastal areas in Central Java Province is considered to be highly vulnerable to increasing sea level rise than other provinces. As a result of climate change, the occurrence of sea level rise on the North Coast of Java Island is between 6-10 mm/year (Suhelmi, 2012). City and district in Central Java province are vulnerable to experience sea level rise. Cities and districts along the

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North Coast of Central Java, -such as: city and district of Pekalongan, city and district of Demak, City of Semarang and Tegal, Jepara District, and Pati District. The most severe tidal flood is experienced by Semarang City, and districts of Pekalongan, Demak, and Jepara they are now experiencing floods locally known as "rob" (caused by high tide) for several days a year. Severe exploitation of groundwater in these cities has contributed to the coastal inundation as well.

With land subsidence rate as much as 2cm/year in Semarang (Hirose et al, 2001 in ICCSR, 2009), Semarang City is categorized as a highly vulnerable city with inundated areas up to 6 kilometers from coastal line. Similar situations apply to its neighbor districts Pekalongan, Demak and Jepara. According to Suhelmi *et al.* (2011) as a result of sea level rise the town of Semarang on the North Coast of Central Java will experience stagnate area increased from 3.697,1 ha based on optimistic sea level rise scenarios (18 cm) to 5.084,2 ha, whereas in the pessimistic scenario (the increase is 58 cm) by year 2100. While Diposaptono *et al.* (2009) predicted that the sea level rise will soak the land area of 3.462,7 ha in 40 years (rise 36 cm) and for the next 100 years the stagnate areas would cover 5423.1 ha with the sea level rise of 80 cm.

Suhelmi and Prihatno (2014) have made pridictions of the inundated area of Semarang city with different two scenarios of sea-water level rise, optimistic scenario (23 cm rise in 2100) and pessimistic scenario (57.6 cm rise in 2100). Based on their simulation, the inundated area in Semarang would reach 701.1 Ha (with optimistic scenario) and 1,850.9 Ha (with pessimistic scenario) in 2100 (Ttable 1).

Table 1: Estimation of Inundated Area

Year	Scenario of Inundated area (Ha)						
	Optimistic	Optimistic Pessimistic					
<u>2020</u>	<u>599.4</u>	<u>1069.5</u>					
<u>2050</u>	<u>701.1</u>	<u>1850.9</u>					
2080	<u>763.8</u>	<u>2232.7</u>					
<u>2100</u>	<u>823.6</u>	<u>4236.4</u>					
Source:							

Table 1: Estimation of Inundated area (Ha) based on optimistic and pessimistic scenarios [Suhelmi and Prihatno, 2014]

Picture 1: Simulated Inundation in Semarang Based on Various Water Level During Flood

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Source: Suhelmi and Prihatno (2014)		Formatted: Font: 9 pt
• Out-station of Dath-state (004.4) and dist the income dation area in Operations to be a date the flored unstate		Formatted: Font: 9 pt
Sunoimi and Prinatho (2014) predict the inundation area in Semarang based on the flood water		Formatted: Line spacing: Multiple 1.15 li
Iever (mage -).		
Image 1: Simulated inundation in Semarang based on various water level during flood		Formatted: Justified, Line spacing: Multiple 1.15 li
The analysis of vulnerability and adaptation action plans have been prepared and carried out by +		Formatted: Line spacing: Multiple 1.15 li
the Municipal Government of Semarang and with the support of a number organizations and aid		
funds. Semarang town was the the first included city to get the support from a global program of		
100 Resilience Cities, which y-is the capital city of the Central Java that is located in the coastal		
area. The Meanwhile, other districts and towns in the coastal area around Semarang still		
experience minimal external support. Vulnerability analysis and a local action plan for climate		
change adaptation have not been owned by a number of those districts and towns. Existing on		
the same coastline and adjacent to the town, a number of districts and surrounding towns will		
have similar exposure to sea level rise.		
Dilot Logation		Earneathada Farita Dald
This project concept note property a program that will be conducted in the districts of Demak	\sim	Formatted: Font: Bold
Pekalongan and lenara. Four sub-districts in Demak are repeatedly flooded, which are sub-		Formatted: Justified, Line spacing: Multiple 1.15 II
districts of Savung Middle Reef Bonang and Wedung Savung sub-district has the worst		Formatted: Font: Bold
impact A total of 26 villages were submerged due to tidal flooding. The inundation last 6-8		
hours each day and is getting worse every year		
nouro oudit duly difu to gouing noise eren y journ		
Hundreds of coastal residents in Savung Sub-District of Demak have voluntary chosen to be		
relocated, while thousands of other households are frequently evacuated during high tide.		
Coastal indundation takes place on villages protected with mangroves and river bank buffer		Formatted: Font: (Asian) Times New Roman, Indonesian
vegetation.		Formatted: Don't adjust right indent when grid is defined,
Land embankments in coastal areas were missing and a number of buildings were damaged		Line spacing: Multiple 1.15 li, Don't adjust space between
and abandoned. Tidal floods also caused abrasion of shorelines and thus it is increasingly		and numbers, Pattern: Clear
entering the land. Map of Demak district may change in near future.		Formatted: Line spacing: Multiple 1.15 li
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Picture 2: Central Java Map		



Jepara sub-district of Jepara district is repeatedly inundated by 20 cm to 40 cm tidal flood in the last five years. Frequency of occurrence and duration of inundation is likely to increase since 2013. Tidal floods usually lasts two to three hours during the week. Starting in 2013 the tidal flood could lasts up to half a day, from noon to midnight. With the existing silting up of the Wiso river, and the transfer of land embankments along the coastal lines into a market and gymnasium, that only exacerbated the tidal flood. Tidal flood started to enter housing, flooded traffic lanes and inundated rice fields. Nearly one million hectares of rice fields located in the Kedung sub-district of Jepara district, where the majority of these rice fields are have the risk of getting inundated. Rice fields that have experienced tidal floods have decrease in their productivity even crop failure.

Pekalongan Head of District in 2016 declared the Pekalongan district as an emergency area to tidal floods (*rob*). The tidal flood altitude in May 2016 was higher than in recent years. Two subdistricts experienced the most severe tidal flood. Tidal floods also occurred in four villages of the Tirto sub-district, namely villages of Jeruksari, Mulyorejo, Tegaldowo and Karang Jowo, as well as six villages in the Wonokerto sub-district which are, Wonokerto Wetan, Wonokerto Kulon, Api-Api, Tratebang, Pecakaran and Pesanggrahan. Every year the local government makes evacuation preparations for the communities to a number of safe places. Tidal flood has caused destruction of agricultural land in the coastal area of Pekalongan district, especially in the sub-districts of Tirto, Siwalan and Wonokerto. Currently, paddy rice farmers have changed the rice fields into embankment. In 2012 only 100 hectares of rice fields was affected, while in 2016

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reached 197,5 hectares in sub-districts of Tirto, Wonokerto and Siwalan. Pekalongan Government short-term measures is to provide assistance in the form of fish seed, fish nets and raising embankments and productive roads in the area of the embankments.

Marfai and colleagues (2013) report says that the 2012 flood in Pekalonganurwekerte, Central Java has inundated eight Kelurahan (Urban Village) causing severe damages to the ports and residential areas with the water level reaching 110 cm. The flood happens every day during the high-tide of the Java Sea on the coastal area of PekalonganPurwekerte for the past 10 years lasting for 2 until 4 hours (Marfai et.al., 2013). Roads, rice field, schools, houses, health facility are mostly inundated during the flood. Based on their model, Marfai and colleagues (2013) have predicted that the maximum water level would reach 135 cm and would inundate up to 4,7 km towards the land in 2050, covering 51% of the total area of Pekalongan.

The total size of Pekalongan is 4,225 Hectares (Ha) in which 55.5 % is residential area (2,333 Ha) and 32.81% is rice field (1,339 Ha). Based on the model developed by Marfai and colleagues (2013), the 135 cm flood scenario in 2050 will inundate 1,295.26 Ha of residential area and 506.64 Ha of rice field. Wetland and community-managed fish ponds (229.97 Ha) will all be inundated at this scenario (Marfai et.al., 2013), which will give severe threat to the food security of the local communities.

Based on their scenario development on Kasbullah and Marfai (2014) predicted that the lost from inundated rice field in Kabupaten Pekalongan, Jawa Tengah will be between 19.33 Billion IDR / year and 24.10 Billion IDR / year impacting between 945.29 Ha – 1,339.31 Ha of rice field.

Changing Climate Pattern

<u>Changing in seasonal climate has impact to livelihood acitivities, especially on fishing and</u> <u>marine-culture. Coastal communities have been observing changing in natural indicator for</u> <u>climate season and traditional knowledge on 'weather calendar' is not fully reliable anymore.</u> <u>Fishermen are facing greater risk at sea and costly fishing. Changing in seasonal climate and</u> <u>sea current has impact to seas farming as well. Seaweed farming, increasingly to be main</u> <u>income source together with fishing for community at small islands since two decades ago, has</u> <u>experienced frequent failure in recent years. Cultivating seaweed in a season where</u> <u>temperature, salinity and sea current are extreme usually cause total failure. Communities also</u> <u>face similar climatic problems on their farming land (staple food and fish farming). Every year</u> <u>Indonesia reports thousand of hectares rice and corn field are either having water deficits or</u> <u>inudantion by flood.</u>

Seasonal and daily climate forecast information have a potential role in reducing the impact of this extreme climate variability for farmers and fishers. The information has been introduced and available on government website since several decades ago. However, access to internet and translating the forecast information into lay people language is the main challenge to proper use of it for livelihood activity (Boer, et al 2003; Siregar, 2009).

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<u>Project / Programme Objectives:</u> List the main objectives of the project/programme.

Project Objective: -Setrengthenedtrengthened resilience of coastal communities on impacts of climate change and climatatic extremes on economic, social and ecosystems through strengthening village resilience with concrete and innovative adaptation measures and strengthening capacity of local government in developing and implementing adaptation strategy and actions.

The program strategy is to strengthening resilience of coastal community (component 1), improve government policy and programs on climate adaptation (component 2) and knowledge management of climate adaptation -(component 3). The three proposed components are in line with National Action Plan on Climate Change Adaptation (RAN API), specifically Cluster 1, 2 and 3, and with National Mid-Term Development Plan and with Law Number 32 year 2009 on Regional Government. Indicative activities are explained below. More details explanation on activities will be developed during project preparation.

Component A: Strengthening resilience of coastal community

The program strategy is to strengthening resilience of coastal communities with concrete and innovative adaptation measure in livelihood, environment management and climate information. The proposed program will be conducted in inundated coastal communities in Central Java Province of Java Island where coastal inundation and erosion is occurring. Community livelihood, food production, transportation and health are severely disrupted by increasing sea level rise in the area.

This component will focus on introducing and implementing concrete adaptation measures to respond coastal inundation and erosion and impact of changing climate pattern to fishing and farming activities. Adaptation measures to prevent worsening coastal inundation and erosion will be emphasized on coastal ecosystem-based restoration and when possible with naturally local-based structure intervention. Bamboo, for example, has been proven to be effective in preventing coastal erosion, strengthening river bank while providing income for the –local community. Strengthening local livelihood on marine-farming will be emphasized on improving technology and methods for aquaculture (fish, crab, seaweed) and other options and introducing seasonal climate and weather forecast information for decision making in farming, fishing activities and anticipate climate extreme.

Three lines of work under this component will be developed; (1) capacity in economics; (2) strengthen resilience of physical environment; (3) strengthen capacity in reducing climate and non-climate related disaster riskselimate related disaster risk reduction; (4) technical support in conducting research on impact and adaptation measures.

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The proposed program under the first component will produce five intended outcomes; (1) Strengthened capacity in livelihood activities; (2) Strengthened resilience of physical environment; (3) Strengthened capacity in reducing climate-related disaster risks (4) Alternative livelihood concepts in inundated lands available will be developed based on applicability and sustainability in accordance with affected communities; (5) District Health strategic plan recognize the importance of integrating the adaptation action plan into the health sector program.

The first outcome, Strengthened capacity in livelihood activities, will be achieved through participatory vulnerability assessment and community action developed and socialized to the impacted communities for the education on data collection and the dissemination of climate impacts on a local level; building community resilience by applying climate ingenious technology and method on fishing and marine-culture; and pilot projects on innovative technology and methods to respond to impacts of climate change on fishing and marine-culture.

The second outcome, strengthened resilience of physical environment, will be achieved through identifying sustainable technology and practices on environmental restoration and management to prevent coastal erosion and inundation, implementing sustainable technology and methods on environmental restoration and management, and developing regulation and plans developed at local level on resilience of physical environment for community engagement and inclusion.

The third outcome, strengthened capacity in reducing climate-related disaster risks, will be achieved through climate-related early warning system and procedures developed to adapt to the risk associated with frequent flooding and other climate related risk; climate-related early warning system and procedures developed to adapt to the risk associated with frequent flooding and other climate related risk; climate-related early marning and other climate related risk; climate-related early marning and other climate related risk; simulation on gender-inclusive and marginalized groups in disaster preparedness contingency plan.

The fourth outcome, alternative livelihood concept in inundated lands available will be developed based on applicability and sustainability in accordance with affected communities, will be achieved through developing feasibility study on suitable livelihoold activities on inundated lands and consultations with impacted communities.

The fifth outcome, district health strategic plan recognized the importance of integrating the adaptation action plan into the health sector program, will be achieved through development recommendations generated from the research on community health in inundated lands.

<u>Component B: Improvement on government policy and program on climate adaptation</u> The program strategy is to increase capacity of regional government in developing climate scenario, climate vulnerability assessment, climate adaptation strategy and actions, and in mainstreaming the strategy and actions into regional development plan. The program will also produce several research and policy papers that inform regional government on management of un-avoidable inundated coastal land. Two lines of work will be developed (1) Mainstreaming adaptation plan into regional development plan; and (2) Long-term policy and program on inundated land. The proposed program under this component will produce two intended outcomes; (1) Synchronized adaptation planning into regional development plans, and (2) Developed policy and plan on un-avoided inundated coastal.

The first outcome, synchronized adaptation planning into regional development plans, will be achieved through development convergence methodology on vulnerability assessment on climate change for Central Java; more effective planning will be possible through the compilation and coordination of climate change data; capacity building for regional government and local stakeholder in Central Java in developing climate change scenarios based on reliable data; vulnerability assessment which will provide a baseline of new data for the Local Action Plan creation for districts/cities in Central Java; adaptive measures taken into regional development plan by providing reliable data and educating policy makers on risk, cost and benefits; and adaptive measures taken into regional development plan by providing reliable data and educating policy makers on risk, cost and benefits.

The program will introduce converging methods and tools on climate vulnerability assessment and on disaster risk assessment. Up to date, the framework for convergence had recently been produced through collaborations of numbers of CSOs, Ministry of Environment and Forestry (KLHK), National Development Planning Agency (BAPPENAS), National Disaster Management Agency (BNPB), and SCDRR-UNDP Program. The proposed program will introduce the converging methods and tools to regional government. Partnership with Ministries of Internal Affairs, as well as KLHK and BNPB and university, will be developed for this process. The convergences of the two different and separated methods and tools are encouraged in the latest IPCC report. It will avoid overlapping and inefficiencies of funding, program planning and implementation.

The second outcome is developing policy and plan on un-avoided inundated coastal. For unavoided wide-scale of coastal inundation in several villages of a district, development policy and plan for inundated coastal will be encouraged. Up to date, respond from local government and communities for inundated coastal and its impact to their settlement and livelihood is for short term and less systematic. Communities wait several days for water level low and frequently increasing house floor and ceiling. Government provide water pump and build partial water-wall. Spending on infrastructure, such as road and public building are still continued.

The outcome will be achieved through comprehensive study on long-term economic cost of living in inundated coastal versus relocation and alternative land-use of inundated land. This data will serve to develop cost effective programs that are socially and environmentally acceptable; and policy paper on inundated areas for the development of llegal framework on land rights in inundated coastal land, including dispute settlement.

Component C: Knowledge Management

The program strategy is to manage, document, analyze, and share project progress and learning. The program will develop monitoring, evaluation and learning unit at secretariat level, community data center, and collaborate with existing knowledge exchange platform.

The proposed program under this component will produce two intended outcomes; (1) Effective knowledge management and learning exchange among the district of Jepara, Demak, and Pekalongan and between the districts and the provincial level and national level and including the involvement of Civil Society and Universities, (2) Well documented achievement on program indicators and targets, and (3) Well managed Programs.

The first outcome, effective knowledge management and learning exchange, will be achieved through multi-stakeholder forum at national and regional established and functioning in building supervising the project implementation, supporting the synergy and collaborative work with other related ministries and sectors, lead the sharing knowledge and good practices with other institution and communities; and media and public outreach on project outcomes and activities, outputs and learning's in the national and regional level in order to increase the awareness of the Climate Change and the effort for adaptation.

The second outcome, well documented achievement on program indicators and targets, will be achieved through development performance indicators and program evaluation to ensure the program is meeting expected outputs and outcomes.

The third outcome, well documented achievement on program indicators and targets, will be achieved through establishment Project Management Unit which will be responsible for the coordinated efforts between the head office in Jakarta and the program office in Central Java.

Project / Programme Components and Financing:-Busan

Fill in the table presenting the relationships among project components, activities, expected concrete outputs, and the corresponding budgets. If necessary, please refer to the attached instructions for a detailed description of each term.

For the case of a programme, individual components are likely to refer to specific sub-sets of stakeholders, regions and/or sectors that can be addressed through a set of well defined interventions / projects.

Project/Programme Components	Expected Outcomes	Expected Outputs	Location Countries	Amount (US\$)
Component A: Streng <u>1.Comp: strengthening</u>	thening resilience of resilien	of coastal community tal community		2.477.100 <u>2.558.100</u>
A.1 Capacity in economics <u>CS1.1.</u> <u>Capacity in</u> economics	1.strengthened capacity in livelihood activities	1.1 Participatory vulnerability assessment and community action developed and socialized to the impacted communities for the education on data collection and the dissemination of climate impacts on a local level.4.1 Participatory vulnerability assessment and community action	Selected DistrictsDistricts/Sub- districts/Villageseities in Central JavaJava, small-island-in eastern part of Indonesia	<u>169.500</u>

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Project/Programme Components	Expected Outcomes	Expected Outputs	LocationCountries	Amount (US\$)		Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
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		techonology and method on fishing and marine-			Ì	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
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		culture.				
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		<u>1.3 Pilot projects</u> <u>on innovative</u>	<u>Selected</u> <u>Districts/Sub-</u> districts/Villages in	<u>964.8001.134.600</u>		Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		methods to respond to impacts	<u>Central Java</u>			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line,
		of climate change			l	Relative to. Plangin, nonzontal. 0, wrap Alounu
		marine-culture 1-3			_	Formatted: Font: 10 nt
		Pilot projects on				Tomated. Tont. 10 pt
		innovative				
		technology and				
		methods to				
		climate change on				
		fishing and marine-				
		culture				

					_	
Project/Programme Components	Expected Outcomes	Expected Outputs	Location <u>Countries</u>	Amount (US\$)	F F R	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
A.2 Strengthen	2. Strengthened	2.1 Identify	Selected	<u>97.000</u>	F	Formatted Table
resilience of	resilience of	sustainable	Districts/Sub-		F	Formatted: Indonesian
physical environment	physical	technology and	districts/Villages in		F	Formatted: Line spacing: Multiple 1.15 li, Position:
<u>CS 1.2 Capacity in</u> physical environment	<u>environment</u> <u>2.Strengthened</u>	practices on environmental	<u>Central</u> JavaDistricts/cities in		H R	Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	capacity in	restoration and	Java, small island in		F	Formatted: Left, Line spacing: Multiple 1.15 li, Position:
	physical	management to	eastern part of			Horizontal: Left, Relative to: Column, Vertical: In line,
	environment	prevent coastal	Indonesia			
		erosion and inundation.			F	Horizontal: Lift, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0". Wrap Around
		2.1 Recommended		4		Formatted: Font: 10 nt
		sustainable				Formatted: Font: 10 pt
		technology and				
		practice on			\mathbb{V}	Formatted: Indonesian
		environmental				
		restoration and management to			F	Formatted: Line spacing: Multiple 1.15 II, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Polative to Margin Herizottal: O" Wera Argund
		prevent coastal				Relative to. Margin, honzontal. 0, wrap Around
		erosion and				
		inundation				
		2.2 Implemented	Selected	<u>417.000</u>	F	Formatted: Left, Line spacing: Multiple 1.15 li, Position:
		sustainable	Districts/Sub-		F	Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		technology and	districts/Villages in			Formatted: Line spacing: Multiple 1 15 li Position:
		methods on	Central Java		ŀ	Horizontal: Left, Relative to: Column, Vertical: In line,
		environmental restoration and			F	Relative to: Margin, Horizontal: 0", Wrap Around
		management				
		2.2 Implemented				Formatted: Font: 10 nt
		sustainable				
		technology and				
		methods on				
		environmental				
		restoration and				
		management				

Project/Programme Components	Expected Outcomes	Expected Outputs	Location <u>Countries</u>	Amount (US\$)	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		2.3 Regulation and	<u>Selected</u>	73.500	Formatted Table
		plans developed	Districts/Sub-		Formatted: Indonesian
		at local level on resilience of physical	districts/Villages in Central Java		Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		environment for community engagement and			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		inclusion.			
		2.3 Regulation			Formatted: Font: 10 pt
		level on improvement physical environment			
A.3. Strengthen capacity in reducing	<u>3. Strengthen</u> capacity in	3.1 Climate-related early warning	<u>Selected</u> <u>Districts/Sub-</u> districts/Villages in	<u>162.500</u>	Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
<u>climate and hore</u> <u>climate related</u> <u>disaster risks CS1.3.</u>	and non-climate related disaster	procedures developed to adapt	<u>Central</u> JavaDistricts/cities in		Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
Climate related disaster risk reduction	risks <u>3.strengthened</u> capacity in	to the risk associated with frequent flooding	<u>Java, small island in</u> <u>eastern part of</u> Indonesia		Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	preparedness	and other climate			Formatted: Font: 10 pt
	and responding	related risk.		•	Formatted: Font: 10 pt
	climate-related disasters	<u>3.1 Climate-related</u> early warning system and			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		procedures			Formatted: Font: 10 pt
•					Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin. Horizontal: 0", Wrap Around

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Project/Programme Components	Expected Outcomes	Expected Outputs 3.2 Climate-related early warning system and procedures developed to adapt to the risk associated with frequent flooding and other climate	LocationCountries Selected Districts/Sub- districts/Villages in Central Java	Amount (US\$)	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around Formatted Table Formatted: Indonesian Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		related risk. <u>3.2 Gender-</u> inclusive and child safe disaster preparedness groups			Formatted: Font: 10 pt Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		3.3 Simulation on gender-inclusive and marginalized groups in disaster preparedness contingency plan	<u>Selected</u> <u>Districts/Sub-</u> <u>districts/Villages in</u> <u>Central Java</u>	<u>139.500</u>	Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		<u>3.3 Simulation on</u> <u>gender-inclusive</u> <u>and child safe</u> <u>disaster</u> <u>preparedness</u> <u>contingency plan</u>			- Formatted: Font: 10 pt
		3.4 Developing management of domestic waste.	Selected Districts/Sub- districts/Villages in Central Java	88.800	Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
Project/Programme Components	Expected Outcomes	Expected Outputs	LocationCountries	Amount (US\$)	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Maroin: Horizontal: 0, Wirzan Around
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A.4 Technical	4. Alternative	4.1 Feasibility	Selected	54.000	Formatted Table
Support in	livelihood	study on suitable	Districts/Sub-		Formatted: Indonesian
conducting research on impact and adaptation measure	<u>concept in</u> <u>inundated lands</u> available will be	livelihoold activities on inundated lands and	districts/Villages in Central Java		Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
<u>CS 1.4 support in</u> conducting research	developed based on applicability and	Consultations with impacted communities			Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
adaptation measure	sustainability in accordance with	<u>4.1 Feasibility</u> <u>study on suitable</u>			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	affected	livelihood activities		 N 	Formatted: Font: 10 pt
	communities.	on inundated lands			Formatted: Indonesian
	4. INEW Option				Formatted: Font: 10 pt
	<u>concept in</u> inundated lands				Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	<u>available</u> 5. District	5.1	Selected	144.500	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	Health strategic	Recommendations	Districts/Sub-		Formatted: Indonesian
	plan recognize	generated from the	districts/Villages in		Formatted: Font: 10 pt
	the importance of integrating the adaptation	research on community health in inundated lands.	Central Java		Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	action plan into the health	<u>5.1</u> <u>Recommendations</u>			Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	<u>5. District</u> Health strategic	<u>research on</u> <u>community health</u>			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	<u>plan recognize</u>	in inundated lands.			Formatted: Font: 10 pt
	the importance				Formatted: Font: 10 pt
	of integrating the adaptation action plan into the sector program.				
Component B: Improv adaptation2. Comp: In	ement on government on gov	ent policy and program ernment policy and pro	n on climate ogram on climate	<u>651.800</u>	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
auaptation					Formatted: Font: 10 pt

Project/Programme Components	Expected Outcomes	Expected Outputs	Location <u>Countries</u>	Amount (US\$)	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
B.1 Mainstreaming	6.Synchronized	6.1 Development	Selected	<u>103.800143.800</u>	Formatted Table
adaptation plan into	adaptation	<u>convergence</u>	Districts/Sub-		Formatted: Indonesian
regional	planning into	methodology on	districts/Villages in		Formatted: Left, Line spacing: Multiple 1.15 li, Position:
<u>development plan</u>	regional development	vulnerability assessment on	<u>Central</u> JavaDistricts/cities in		Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
Mainstreaming	plans. <u>6.</u>	climate change for	Java, small island in		Formatted: Left, Line spacing: Multiple 1.15 li, Position:
adaptation plan into	Synchronized	Central Java. <u>6.1</u>	eastern part of		Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
development plan	planning into	convergence	Indunesia		Formatted: Left, Line spacing: Multiple 1.15 li, Position:
development plan	regional	methodology on		///	Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	development plans	vulnerability assessment on climate change for		•	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		Central Java.			Formatted: Font: 10 pt
					Formatted: Font: 10 pt
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		A			Formatted: Font: 10 pt
		6.2 Capacity building for regional	Selected Districts/Sub- districts/Villages in	<u>66.000114.000+</u>	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		government and	Central Java		Formatted: Font: 10 pt
		local stakeholder in Central Java in developing climate			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		change scenarios based on reliable			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		data. <u>b.2 Capacity</u>			Formatted: Font: 10 pt
		regional			
		dovernment and			
		local stakeholder in			
		Central Java in			
		developing climate			
		scenario			
				4	Formatted: Left, Line spacing: Multiple 1.15 li, Position:

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Project/Programme Expecte Components Outcome	ed <u>Expected</u> es <u>Outputs</u>	LocationCountries	Amount (US\$)	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	6.3 Vulnerability	<u>Selected</u>	<u>165.000</u>	Formatted Table
	assessment which	Districts/Sub-		Formatted: Indonesian
	will provide a baseline of new data for the Local	districts/Villages in Central Java		Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	Action Plan creation for districts/cities in			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	Central Java.			
	6.3 Vulnerability			Formatted: Font: 10 pt
	assessment and Local Action Plan districts/cities in			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	<u>Central Java</u> <u>6.4 Adaptive</u>	Selected	35.000	Formatted: Left, Line spacing: Multiple 1.15 li, Position:
	measures taken	DISTRICTS/SUD-		Relative to: Margin, Horizontal: 0", Wrap Around
	development plan by providing	<u>Central Java</u>		Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	educating policy makers on risk, cost and benefits.			
	6.4 Adaptive			Formatted: Font: 10 pt
	<u>measures taken</u> <u>into regional</u> development plan.			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	6.5 Non-climatic issues recognized	Selected Districts/Sub- districts/Villages in	88.000	Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	government based on community	<u>Central Java</u>		Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
	practices by providing reliable data on such			
	issues as high ground water use,			
	deforestation, land conversion, sedimentation			
	<u>sedimentation.</u>		•	Formatted: Line spacing: Multiple 1.15 li, Position:

Relative to: Margin, Horizontal: 0", Wrap Around

Project/Programme Components	Expected Outcomes	Expected Outputs	Location Countries	Amount (US\$)	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
B.2: Long-term	7. Developed	<u>7.1</u>	Selected	<u>124.000</u>	Formatted Table
policy and program	policy and plan	Comprehensive	Districts/Sub-		Formatted: Indonesian
on inundated land <u>CS 2: Long-term</u> policy and program	on un-avoided inundated coastal 7.	study on long-term economic cost of living in inundated	districts/Villages in Central Java		Formatted: Left, Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
on inundated land	Developed	coastal versus			Formatted Table
	policy and plan	relocation and			Formatted: Font: 10 pt
	on un-avoided	alternative land-		•	Formatted: Font: 10 pt
	inundated	use of inundated			Formatted: Font: 10 pt
	<u>coastal and</u> small islands	<u>Comprehensive</u> study on long-term			Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
		economic cost of			Formatted: Font: 10 pt
		<u>alternative land-</u> <u>use of inundated</u> <u>land.</u> 7.2 Policy Paper on inundated areas	<u>Selected</u> Districts/Sub-	<u>70.000</u>	
		for the development of legal framework on land rights in inundated coastal land, including dispute settlement.	districts/Villages in Central Java		
		7.2 Policy Paper			Formatted: Font: 10 pt
		on inundated area for: legal framework on land right of inundated coastal land, including on dispute settlement.			
3. Component:				<u>309.800228.800</u>	Formatted: Font: 10 pt
Knowledge Management					Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Argund

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Project/Programme Components	Expected Outcomes	Expected Outputs	Location <u>Countries</u>	Amount (US\$)		Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
Component C:	8. Effective	<u>8.1 Multi-</u>	Districts/cities in	<u>94.600153.800*</u>		Formatted Table
Knowledge	<u>knowledge</u>	stakeholder forum	Java, small island in			Formatted: Indonesian
Management <u>CS 3.1</u>	management	at national and	eastern part of			Formatted: Left, Line spacing: Multiple 1.15 li, Position:
Knowledge	and learning	regional	Indonesia			Horizontal: Left, Relative to: Column, Vertical: In line,
management	exchange	established and				Relative to: Margin, Horizontal: 0", Wrap Around
	among the	functioning in				Formatted: Font: 10 pt
	district of	building		•		Formatted: Font: 10 pt
	<u>Jepara, Demak,</u>	supervising the				Formatted: Line spacing: Multiple 1.15 li, Position:
	and Pekalongan	project				Horizontal: Left, Relative to: Column, Vertical: In line,
	and between	implementation,				Relative to: Margin, Horizontal: 0", Wrap Around
	the districts and	supporting the				
	the provincial	synergy and				
	level and	collaborative work				
	national level	with other related				
	and including	ministries and				
	the involvement	sectors, lead the				
	of Civil Society	sharing knowledge				
	and	and good practices				
	Universities. 8.	with other			-	Formatted: Font: 10 pt
	Effective	institution and				
	knowledge	communities.				Formatted: Indonesian
	management	8.1 Stakeholder				Formatted: Font: 10 pt
	and learning	forum at national				Formatted: Line spacing: Multiple 1.15 li, Position:
	exchange	and regional				Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
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Project/Programme	Expected	Expected	Location Countries	Amount (US\$)	Formatted: Line spacing: Multiple 1.15 li, Position:
<u>Components</u>	<u>Outcomes</u>	<u>Outputs</u>			Relative to: Margin, Horizontal: 0", Wrap Around
		88.2 Media and	Jakarta	<u>104.60075.000</u>	Formatted Table
		public outreach on			Formatted: Indonesian
		project outcomes			Formatted: Font: 10 pt
		and activities,			
		learning's in the			
		national and			
		regional level in			
		order to increase			
		the awareness of			
		the Climate			
		Change and the			
		effort for			
		adaptation and			
		Non-climatic			
		Media outreach on			Formatted: Font: 10 pt
		project activities			
		outputs and			
		learning's			Formatted: Font: 10 pt, Indonesian
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		8.3 Data Center		<u>110.600</u>	
		set-up at sub-			
		districts including			
		the utilisation of			
		arones in data			
		<u>conection.</u>			Formatted, Not Highlight
4. Total Project/Program	mme Cost	A		3.438.700	Formatted, Line spacing: Multiple 1 15 li Decition:
5. Project/Programme	Execution cost, an	d ME cost		369.716 194.216	Horizontal: Left, Relative to: Column, Vertical: In line,
6. Project/Programme	Cycle Managemer	t Fee charged by the I	mplementing Entity	266.589	Relative to: Margin, Horizontal: 0", Wrap Around
(7%)6. Project/Programme Monitoring & Evaluation				Formatted: Not Highlight	
7. Project/Programme	Cycle Managemer	t Fee charged by the I	mplementing Entity		Formatted: Indonesian
<u>(7%)</u>					
Amount of Financing	Requested			<u>4.075.005</u>	Formatted: Line spacing: Multiple 1.15 li, Position: Horizontal: Left, Relative to: Column, Vertical: In line, Relative to: Margin, Horizontal: 0", Wrap Around
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Projected Calendar:

Project Duration: 3 years (36 months)

Indicate the dates of the following milestones for the proposed project/programme

Milestones	Expected Dates	
Start of Project/Programme Implementation	January 7, 2017	
Mid-term Review (if planned)	June 1, 2018	
Project/Programme Closing	November 30, 2019	
Terminal Evaluation	September 1, 2019	

Detailed project milestone is presented on table below:

Expected Outcomes	Expected Milestones/Deliverables
1. Strengthened capacity	1.Completion Revised Module on Participatory vulnerability assessment and <
in livelihood activities	community action
	2. Completion on Training for Facilitator in conducting coastal community-
	level vulnerability assessment and community action.
	3. Completion Participatory vulnerability assessment and development
	community action developed
	4. Completion socialization on result of participatory vulnerability
	assessment and development community action to broad community
	5. Completion on National Workshop impact of climate change on fishing
	and on marine-culture.
	6.Completion on Community training on adaptive technology and method on
	marine-culture
	7. Completion on establishing community groups to manange the pilot
	project
	8.Completion on development demonstration plot on marine-culture
	9.Seasonal9. Seasonal and weather forecast for fishing and marine-culture
	is disseminated to community regularly.
	10.Completion on training for community on accessing seasonal and
	weather forecast for fishing and marine-culture from authority website
	11.Monthly /regular technical assistance and discussion on implementation
	of pilot projects is conducted
2. Strengthened resilience	1. Completion on workshopworkshop with relevant expert identifying
of physical environment	effective and affordable sustainable technology and practice on
	environmental restoration and management to prevent coastal erosion
	and inundation.
	2. Completion on Call for Papers on preventing coastal erosion and
	inundation.
	3. Completion on workshop with community on sustainable technology and
	method on environmental restoration and management to prevent coastal
	erosion and inundation.
	4. Organizing committee and advisory committee for implementation is
	established at village level

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	5. Implemented sustainable technology and method on environmental		
	restoration and management.		
	6. Monthly/regular technical assistance and discussion on implementation of		
	pilot projects is conducted		
	7. Learning workshop with key community members is organized		
	8. Draft regulation and plan sustain implementation of the technology and		
	method is produced		
	9. Training module on climate-related early warning system is developed		
	10. Training for community on introducing climate-related early warning		
	system is conducted.		
	11. Climate-related early warning system is installed at village level		
	12. media information on early warning information is produced		
3. strengthen capacity in	1. Training for preparedness group on climate-related early warning system 🔸		Formatted: Font: 10 pt, Not Highlight
reducing climate-related	for villages is conducted		Formatted: Line spacing: Multiple 1.15 li
disaster risks	2. Workshop with preparedness groups on developing work-plan for villages		(
	is conducted		
	3. Contingency plan is produced		
	4. Simulation on gender-inclusive and child safe disaster preparedness		
	contingency plan is conducted		
4. Alternative livelihood	1. research on environment quality and livelihood options is conducted	-	Formatted: Font: 10 pt, Not Highlight
concept in inundated	2. research findings is presented		Formatted: Line spacing: Multiple 1.15 li
lands available will be	3. socialization meeting with working groups and broad community member		
developed based on	at village level		
applicability and			
sustainability in			
accordance with affected			
communities			
5. District Health strategic	1.Field research on health impact of community inundated lands is	\sim	Formatted: Font: 10 pt, Not Highlight
plan recognize the	conducted In three districts		Formatted: Line spacing: Multiple 1.15 li
Importance of Integrating	2 Research report to health sector on the health impact in inundated lands		
the adaptation action plan	and recommendations.		
Into the health sector			
program 6 Synchronized	1. Coordination with Ministry of Homo Affair, Ministry of Environment		
o.Synchronized	2 Serectry, and RARRENAS on developing convergence methodology is	\sim	Formatted: Font: 10 pt, Not Highlight
	arolestry, and DAPPENAS of developing convergence methodology is		Formatted: Line spacing: Multiple 1.15 li
	2. Convergence methodology for districts/sition in Control Joya is developed		
plans	2. Convergence methodology for districts/cities in Central Java is developed		
	assessment for climate change, is established in three districts		
	Vulnerability assessment and action plan is produced in three districts		
	5. Conducted workshop on identifying Action Plan to be integrated in		
	regional planning		
7 Developed policy and	Completed research on economic long-term cost of living in inundated		Formatted Fort 10 pt Not Highlight
nlan on un-avoided	lands. Cost for relocation and developing alternative land-use of	$\overline{}$	
inundated coastal and	injundated land; and several options for management of injundated lands		Formatted: Line spacing: Multiple 1.15 li
small islands	interfaced land, and several options for management of interfaced lands		
	2 research findings presented to district and provincial government		Eormatted: Font: (Asian) Times New Poman 10 st English

8..Effective knowledge management and learning exchange among the district of Jepara, Demak, and Pekalongan and between the districts and the provincial level and national level and including the involvement of Civil Society and Universities Multi-stakeholder forum at national and regional is established
 Additional and public outreach on project outcomes and activities, outputs
 and learning's is produced

3. Database system for sub-district community center developed.

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PART II: PROJECT / PROGRAMME JUSTIFICATION

A. Describe the project / programme_components, particularly focusing on the concreteadaptation activities of the project, and how these activities contribute to climate resilience. For the case of a programme, show how the combination of individual projects will contribute to the overall increase in resilience.

The climate change has led to the rise of the sea level and the changes in the rainfall patterns in <u>Ceentral Java</u>. The rainfall pattern in recent years has become more intense in shorter periods of time leading to flooding. The floods in <u>Ceentral Java</u> whether caused by increased rainfall or sea level rise contribute too many interconnected problems. The focus of our project components are to directly address the immediate economic and food security issues through project interventions while supporting all other challenges long term strategies to climate adaptation in central Java through robust data collection.

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Component	Food Security issues	Economic Issues	Other related Issues	Formatted, Font: 10 pt Bold
Component	recu cocurry locace	Loononio loodoo		
Ctron oth on realliance		Election in the erec	Deced on data and	Formatted: Line spacing: Multiple 1.15 li
Strengthen resilience	Through consultation	Flooding in the area	Based on data and	Formatted Table
of coastal community	and data acquisition the	causes losses for crops	consultation with the	
	sustainable food	leading to less income	communities other	Formatted: Font: 10 pt
	sources will be	for farmers. The	methods such as fortifying	Formatted: Line spacing: Multiple 1.15 li
	identified and	vulnerability study will	mangrove forest will help	
	incorporated into the	describe the challenges	to reduce flooding.	
	local farming practices.	faced by the affected	The early warning system	
	Alternative sources of	area. The strengthening	developed under this	
	food and or farming	of the local	component will increase	
	methods could include	communities will	the resilience to climate	
	shrimp, fish or seaweed	include the introduction	and non-climatic flood	
	aqua culture among	of alternative or	associated danger which	
	marine culture options.	innovative economic	could lead to economic as	
		opportunities.	well as social benefits.	
Improve government	The policy makers	Policy makers will be	Non-climatic issues	Formatted: Font: 10 pt
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policy and programs on climate adaptation	need to be involved from the very beginning in the potential approval for the conversion of inundated areas for different uses such as farming or aquaculture.	made aware of the current conditions in central Java through robust data and will be able to measure the impacts of climatic challenges and understand the impacts of related policy.	affecting floods can be explored through policy interventions. Issues such as: deforestation, high consumption of ground water, sedimentation and land conversion at coastal areas will be considered in this component.		
Knowledge	The awareness of how	The capture of lessons	Periphery climate change	-	Formatted: Font: 10 pt
management	climate change is affecting the food supply in central Java will serve for the capacity building and education of the affected areas as well as serve as a model for other communities with food security issues.	learned though out the program from consultations to implementation success and failures will be used to develop future programs. The policies for the government, methodologies for coastal management and the community engagement lessons learned will enhance other programs when introducing the concept of alternative livelihoods.	issues related to food security and economic challenges will be explored, exposed and disseminated for future interventions or policy development. Issues such as Waste management, transportation hazards and health issues can be brought to light through research.		Formatted: Line spacing: Multiple 1.15 li

B. Describe how the project-/-programme provides economic, social and environmentalbenefits, with particular reference to the most vulnerable communities, and vulnerable groups within communities, including gender considerations. Describe how the project / programme will avoid or mitigate negative impacts, in compliance with the Environmental and Social Policy of the Adaptation Fund. Formatted: Font: 11 pt, Bold
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Program Benefits							
Component 1	Economic	Social	Environment •				
Strengthen resilience of	Potential alternative	There will be	The environment wilk				
coastal community	livelihoods can bring in	opportunities for the	benefit from a more				
	economic stability to	community members to	informed and proactive				
	farmers who can no	learn new skills. The	community. The				
	longer farm traditional	skills will include	different programs such				
	crops as well as to	economic as well as	as the planting of				
	fishermen whose	social benefits by	mangroves or bamboo				
	economics are very	bringing the community	will positively impact the				

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ESP Risk Mitigation of Component 1	prone and vulnerable to the changing climate. The distribution of resources should be equal and gender inclusive.	together around a common cause. The early warning system will work to keep the communities safe. Consultation need to include women and indigenous groups before implementation. The training and economic activities must represent a balanced mix of gender ethnic and social class.	water shed, agriculture and the flooding. Locations of activity need to assessable to entire community and consider land ownership. Introduction of potentially invasive and foreign species	Formatted: Font: 10 pt Formatted: Line spacing: Multiple 1.15 li Formatted: Font: 10 pt, Indonesian
Component 2	Economic	Social	Environment •	Formatted: Font: 10 pt, Bold
Improve government	The government will be	The civil society will	The policy planning on	Formatted: Centered, Line spacing: Multiple 1.15 li
policy and programs on	able to make more	have an opportunity to	climate and non-climate	Formatted: Font: 10 pt
climate adaptation	informed and cost	contribute to the district	adaptation will be based	Formatted: Line spacing: Multiple 1.15 li
	policies regarding	government planning.	consultations that are	
	adaptation		critical for policy	
	adaptation		makers.	
ESP Risk Mitigation of	The procurement of	Government policy must	Land ownership and	Formatted: Font: 10 pt
Component 2	services and need to be	highlight the needs of	use has to be clear and	Formatted: Line spacing: Multiple 1.15 li
	transparent.	the marginalized groups	not open to asset	
		to prevent policies that	capture post program	
		benefit only certain	cycle. The non-climatic	
		groups.	issues can be far	
			removed from the	
			communities living	
			OUTSIDE OF THE	
			region and there can be	
			less motivation for them	
			to change.	Formatted: Font: 10 pt. Indonesian
Component 3	Economic	Social	Environment	Formatted: Font: 10 pt Bold
Knowledge	Proper knowledge	The social impact of the	New and innovative	Formatted: Centered Line spacing: Multiple 1 15 li
management	designs can help by	KM strategy such as	techniques on the	Formatted, Centered, Line spacing. Multiple 1.13 in
	providing lessons	collaborative works can	adaptation pilots can	
	learned on economic	influence cooperation	serve as scalable	
	benefits and challenges	among villages. The	models for the rest of	Formatted: Line spacing: Multiple 1.15 II
	of different adaptation	communities of practice	Indonesia which has	
	pilots.	can serve to expand	similar challenges	Formatted: Font: 10 pt, Indonesian
		learned to the rest of the		
		world		Formatted: Font: 10 pt, Indonesian
ESP Risk Mitigation of	Economic data needs to	The government could	Data is collected but not	Formatted: Font: 10 pt
Component 3	be gender ethnically	use the data for	in line with international	Formatted: Line spacing: Multiple 1.15 li
				Formatted: Font: 10 pt

disaggregated.	justifying inappropriate adaptation plans. Civil society and academic institutions will have to work with the	or national standards making it useless.	
	public disclosure of plans before implementation.		Formatted: Font: 10 pt,

C. Describe or provide an analysis of the cost-effectiveness of the proposed project /* programme.

<u>Component A: Strengthening resilience of coastal community is budgeted for USD 2,477,100</u>

Expected concrete Component A outcome 1. Strengthened capacity in livelihood activities Improve existing methodologies on coastal community-level vulnerability assessment and community action with a budget of USD 1,219,300. The capacity will be built using the participatory approach, involving the community and the other stakeholders. The community groups are subjected to the improvement of livelihood sustainability. So that in long-term the community will be able to conduct self-vulnerability assessment and prepare their own action plan to face the climate change threat on their livelihood.

Expected concrete Component A output 1.1. Participatory vulnerability assessment and community action developed and socialized to the impacted communities for the education on data collection and the dissemination of climate impacts on a local level. The other main activity is Facilitator training of trainers in conducting coastal community-level vulnerability assessment and community action. This is budgeted for USD 169,500. We will not develop the new **modul**model for vulnerability assessment instead we will improve the existing one based on the evaluation and lesson learned obtained. All the results of the assessment will be managed This activity will produce spatial data and index of vulnerability assessment in the villages. All the data and information resulted from the above activity will be stored and managed by the Community Adaptation Center in the Sub-district level. It is expected in the long run the community will play the central role to manage the community action plan.

Expected concrete Component A output 1.2. Building community resilience by applying climate ingenious technology and methods on fishing and marine-culture. This activity is budgeted for USD 85.000, and will produce the list of available technology. This can be used by project to assess the available technology whether it is still appropriate to be used or there is a need to invent or adapt the new one. The University will be the resource institution to find the existing ingenious technology in fishing and marine culture. By improving the knowledge

Formatted: Font: Bold Commented [CR1]: This section misses the point which is to explain that we have considered other ooptions and based on the benefit and cost this is the best pan - this is just a list of things we plan to do Formatted: Font: 11 pt, Bold Formatted: Justified, Line spacing: Multiple 1.15 li Formatted: Font: 11 pt, Bold Formatted: Font: 11 pt Formatted: Line spacing: Multiple 1.15 li Formatted: Line spacing: Multiple 1.15 li Formatted: Underline

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and skill of the community on the indigenous technology it is expected to improve their farming production in the future.

Expected concrete Component A output 1.3. Pilot projects on innovative technology and methods to respond impact of climate change on fishing and marine-culture. This output is cost for USD 964,800. This output will produce Each village 3 demonstration plots > total: 54 plots, seasonal and forcast information and dissemitating to community and village office, provide communication materials, posters 3000 exemplars, and facilitating village meetings. By piloting this indigenous technology, it is expected that the community will learn the good practice on fishing and marine culture. Furthermore, this pilot can be a show-case for other surrounding villages.

Expected concrete Component Outcome 2. Strengthened resilience of physical environment is budgeted for USD 587,500. The physical environment need to be improved to prevent the erosion and inundation. The local and ingenious technology combine with innovation will be used to increase the cost effectiveness.

Expected concrete Component A output 2.1. Itendified sustainable technology and practices on environmental restoration and management to prevent coastal erotion an dinundation. This activity will produce list of ingenious technologies for USD 97,000. The list of ingenious technology could be used by Universities and Governmental Research Agency for further research.

Expected concrete Component A output 2.2. Implemented sustainable technology and method on environmental restoration and management. This activity will community participatory on sustainable technology and method on environmental restoration and management to prevent coastal erosion and inundation. Establishing organizing committee and advisory committee for implementation. It is hoped that the community could use the suitable technology in restoring and managing the environment by themselves. This will cost for USD 417,000

Expected concrete Component A output 2.3. Regulation and plan at local level on improvement physical environment. By involving community in preparing and plan the needed regulations, it is hoped that the regulation and plans will sustain the improvement of physical environment. The government both at District and village levels will be facilitated in drafting the needed regulations. The total cost for this activities is USD 73,500.

Expected concrete Component A outcome 3. Strengthened capacity in preparedness and responding climate-related disasters. This will cost for USD 471,800. The early warning system will be developed and trained to the authorized government and communities.

Expected concrete Component A output 3.1. Climate-related early warning system and procedures. This will cost of USD 162,500. The activity will involve 2 consultants (30 hari), 18 Fasilitator (30 hari/facilitator); 20 participants (inc. Travel); 18 installations of early warning

system (Installation cost: Rp. 50jt/village); and 1000 exp. media information. The media information on early warning system and procedures will be disseminated through all the project villages. The awareness of village communities will be improved to face the climate change impact.

Expected concrete Component A output 3.2. Gender-inclusive and child safe disaster preparedness groups. This activity will cost of USD 81,000. The activities will include 18 Facilitator (5 days/facilitator), 18 village level training (3 days/training), 18 village level training (3 days/training), 18 event village workshop (3 days/workshop), 20 participants/workshop (inc. Travel). The programs are aimed to prepare the communities on the issues on gender mainstreaming and child safety standard.

Expected concrete Component A output 3.3. Simulation on gender-inclusive and child safe disaster preparedness contingency plan. This activity will include village workshops and will produce simulation materials. Social inclusion is implemented within this project. This all activities will cost of USD 139,500.

Expected concrete Component A output 3.4. Developing screen domestic waste. To prevent the more worst damage inundated land. This non-climatic barriers for instance waste and ground water utility, need to be well managed. This activity will eliminate the risk and use the community approach. So that they could perform this independently in the future. The budget for this is US\$ 88,000.

Expected concrete Component A outcome 4. Support in conducting research on impact and adaptation measure will cost of USD 54,000. The Feasibility study on suitable livelihood activities on inundated lands will be conducted. The result will be recommended livelihood activities. The local government could use the recommended livelihood activities to make development plan for the district and village. The communities can get the recommended livelihood options.

Expected concrete Component A output 4.1. New option livelihood concept in inundated lands available. This activity is budgeted for USD 54,000. The result will be feasibility study on suitable livelihood activities on inundated lands. This can be used by Universities and local government to conduct the dissemination and prepare the development plan.

Expected concrete Component A Outcome 5. District Health strategic plan recognize the importance of integrating the adaptation action plan into the sector program. The result of this activity will be the recommendations generated from the research on community health in inundated lands. This component will cost of USD 144,500. The authorized institution could use this to prepare future programs.

Expected concrete Component A output 5.1. Recommendations generated from the research on community health in inundated lands. This activity is budgeted for USD 54,000. The result will be feasibility study on suitable livelihood activities on inundated lands. This can

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be used by Universities and local government to conduct the dissemination and prepare the development plan.

<u>Component B: Improvement on government policy and program on climate adaptation.</u> Mainstreaming adaptation plan into regional development plan. This is budgeted for USD 651,800. Lack of policy and programs on climate adaptation in sub-national governments has become the bottle neck to develop further adaptation programs. The recommended policy and programs of climate adaptation could help related authorized stakeholders to prepare future adaptation action plans.

Expected concrete Component B outcome 6. Synchronized adaptation planning into regional development plans with a budget of USD 457,800. The coordination meetings at national, provincial and village levels will be conducted. The result of this activity will be the convergence methodology on vulnerable assessment and the action plan of the climate adaptation.

Expected concrete Component B output 6.1. Development convergence methodology on vulnerability assessment on climate change for Central Java. The coordination meeting at national level will be conducted. This activity is budgeted for USD 103,800. The local government and related stakeholders could use the methodology to conduct the self-vulnerability assessment.

Expected concrete Component B output 6.2. Capacity building for regional government and local stakeholder in Central Java in developing climate scenario. Provincial coordination meeting is conducted. The cos of this activity is USD 66,000. The climate scenario can be provided by local government as their capacity is being improved.

Expected concrete Component B output 6.3. Vulnerability assessment and Local Action Plan districts/cities in Central Java. The workshop will be conducted at district level. The cost of this activity is USD 165,000. The local action plan will be develop by the authorized district local government.

Expected concrete Component B output 6.4. Adaptive measures taken into regional development plan. The cost of this activity is USD 35,000. By adopting the adaptation measures into the regional development plan, the budget allocation of the program will be ensured.

Expected concrete Component B output 6.5. Non-climatic issues recognized by the local government based on community practices by providing reliable data on such issues as high ground water use, deforestation, land conversion, sedimentation. The cost for this activity is USD 88,000. This will improve the awareness of local government to dela with the non-climatic issues in the future.

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Expected concrete Component B outcome 7. Development policy and plan on un-avoided inundated coastal and small islands. This activity is budgeted for USD 194,000. Comprehensive study and policy paper will be produced within this component. The local government and related stakeholders can use the documents as a basis for improvement of the policy.

Expected concrete Component B output 7.1. Comprehensive study on long-term economic cost of living in inundated coastal versus relocation and alternative land-use of inundated land. The activity will cost of USD 124,000. This activity will produce a research document. This comprehensive study will result the holistic recommendation for the district.

Expected concrete Component B output 7.2. Policy Paper on inundated area for: legal framework on land right of inundated coastal land, including on dispute settlement. This activity is budgeted for USD 70,000. The policy paper can be used as the basis for future policy and regulation improvement in the district.

Component C: Knowledge Management. This is budgeted for USD 309,800.

Expected concrete Component C outcome 8. Effective knowledge management and learning exchange is budgeted for USD 228,800. Stakeholder's forum at National and District Levels will be conducted. Media outreach also is planned to be done.

Expected concrete Component C output 8.1. Stakeholder forum at national and regional. The cost of this activity will be USD 94,600. The activities will include of building collaboration with existing national and regional level climate adaptation platform; co-facilitate learning exchange events at national-regional level; organize visit study within project sites. Multi stakeholders forum is essential for collaborative action among the government institutions and the university and civil society.

Expected concrete Component C output 8.2. Media outreach on project activities, outputs and learning's. This activity is budgeted for USD 104,600. The project activities will include develop internet-based platform to disseminate project progress and learning, and produce printed- project profile and activities. The education for public and media is important for duplication of the good practices. It is also important for increasing awareness, exchange the lesson learn and replicate the adaptation efforts.

Expected concrete Component C output 8.3. The community Data center set up at subdisctrict, including the utilization of drone in data collection. Management Information System will be implemented. Database System will be developed. The data center will be used to pool the data and information in order to support the establishment of Coastal Resilience Village. The aerial foto will be used to get the current economic, social and environmental condition. This activity is budgeted for USD 110,600. The data center will be maintained by the community. Formatted: Underline

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Component A: Strengthening resilience of coastal community is budgeted for USD 2,477,100.

Expected concrete Component A outcome 1. strengthened<u>Strengthened</u> capacity in livelihood activities

Improve existing methodologies on coastal community-level vulnerability assessment and community action with a budget of USD 1,308,100.

Expected concrete Component A output 1.1. Participatory vulnerability assessment and community action developed and socialized to the impacted communities for the education on data collection and the dissemination of climate impacts on a local level. The other main activity is Facilitator training of trainers in conducting coastal community level vulnerability assessment and community action. This is budgeted for USD 169,500. This activity will produce spatial data and index of vulnerability assessment in the villages.

Expected concrete Component A output 1.2. Building community resilience by applying climate ingenious technology<u>technology</u> and methods on fishing and marine culture. This activity is budgeted for USD 85.000, and will produce the list of available technology. This can be used by project project to assess the available technology whether it is still appropriate to be used or there is a need to invent or adapt the new one.

Expected concrete Component A output 1.3. Pilot projects on innovative technology and methods to respond impact of climate change on fishing and marine-culture. This output is cost for USD 1,053,600. This output will produce Each village 3 demonstration plots > total: 54 plots, seasonal and forcast information and dissemitating to community and village office, provide communication materials, posters 3000 exemplars, and facilitating village meetings.

Expected concrete Component A outcome 2. Strengthened capacity in physical environment is budgeted for USD 587,500.

Expected concrete Component A output 2.1. Recommended sustainable technology and practice on environmental restoration and management to prevent coastal erosion and inundation. This activity will produce list of ingenious technologies for USD 97,000.

Expected concrete Component A output 2.2. Implemented sustainable technology and method on environmental restoration and management. The activities will have grant kabupaten fund for implementing sustainable technology. This will cost for USD 417,000.

Expected concrete Component A output 2.3. Regulation and plan at local level on improvement physical environment. This activity will have 3 event learning and advocacy workshop district level; 30.30 participants/district (inc. Travel); 2 national facilitators (15 hari/person) (inc. Travel); 18 event learning and advocacy workshop village level; 50 participants/village (inc. Travel). The total cost for this activities is USD 73,500.

Expected concrete Component A outcome 3. Strongthened capacity in preparedness and responding climate-related disasters. This will cost for USD 383,000.

Expected concrete Component A output 3.1. Climate-related early warning system and procedures. This will cost of USD 162,500. The activity will involve 2 consultants (30 hari), 18 Fasilitator (30 hari/facilitator); 20 participants (inc. Travel); 18<u>18</u> installations of early early warning system (Installation cost: Rp. 50jt/village); and 1000 exp. media information.

Expected concrete Component A output 3.2. Gender-inclusive and child safe disaster preparedness groups. This activity will cost of USD 81,000. The activities will include 18 Facilitator (5 days/facilitator), 18 village level training (3 days/training), 18 village level training (3 days/training), 18 event village workshop (3 days/workshop), 20 participants/workshop (inc. Travel). The programs are aimed to prepare the communities on the issues on gender mainstreaming and child safety standard.

Expected concrete Component A output 3.3. Simulation on gender-inclusive and child safe disaster preparedness contingency plan. This activity will include village workshops and will produce simulation materials. This all activities will cost of USD 139,500.

Expected concrete Component A outcome 4. supportSupport in conducting research on impact and adaptation measure will cost of USD 198,500. The Feasibility study on suitable livelihood activities on inundated lands will be conducted. The result will be recommended livelihood activities.

Expected concrete Component A output 4.1. New option livelihood concept in inundated lands available. This activity is budgeted for USD 54,000. The result will be feasibility study on suitable livelihood activities on inundated lands.

Expected concrete Component A output 4.2. District Health strategic plan recognize the importance of integrating the adaptation action plan into the sector program. The result of this activity will be recommendations generated from the research on community health in inundated lands. This component will cost of USD 144,500.

Component B: Improvement on government policy and program on climate adaptation. This is budgeted for USD 651,800.

Expected concrete Component B outcome 1. Mainstreaming adaptation plan into regional development plan with a budget of USD 314,000. The coordination meetings at national, provincial and village levels will be conducted.

Expected concrete Component B output 1.1. Development convergence methodology on vulnerability assessment on climate change for Central Java. The coordination meeting at national level will be conducted. This activity is budgeted for USD 143,800.

Expected concrete Component B output 1.2. Capacity building for regional government and local stakeholder in Central Java in developing climate scenario. Provincial coordination meeting is conducted. The cos of this activity is USD 114,000.

Expected concrete Component B output 1.3. Vulnorability assessment and Local Action Plan districts/cities in Central Java. The workshop will be conducted at district level. The cost of this activity is USD 165,000.

Expected concrete Component B output 1.4. Adaptive measures taken into regional development plan. The cost of this activity is USD 35,000.

Expected concrete Component B output 2. Developed policy and plan on un-avoided inundated coastal and small islands. This activity is budgeted for USD 194,000. Comprehensive study and policy paper will be produced within this component.

Expected concrete Component B output 2.1. Comprehensive study on long term economic cost of living in inundated coastal versus relocation and alternative land-use of inundated land. The activity will cost of USD 124,000. This activity will produce a research result.

Expected concrete Component B output 2.2. Policy Paper on inundated area for: logal framework on land right of inundated coastal land, including on dispute settlement. This activity is budgeted for USD 70,000.

Component C: Knowledge Management. This is budgeted for USD 309,800. Expected concrete Component C outcome 1. Effective knowledge management and learning exchange is budgeted for USD 228,800. Stakeholders<u>Stakeholder's</u> forum at National and District Levels will be conducted. Media outreach also is planned to be done.

Expected concrete Component C output 1.1. Stakeholder forum at national and regional. The cost of this activity will be USD 94,600. The activities will include of building collaboration with existing national and regional level climate adaptation platform; co-facilitate learning exchange events at national-regional level; organize visit study within project sites.

Expected concrete Component C output 1.2. Media outreach on project activities, outputs and learning's. This activity is budgeted for USD 104,600. The project activities will include develop internet-based platform to disseminate project progress and learning, and produce printed-project profile and activities.

Expected concrete Component C output 1.3. Data center set up at villages, including the utilization of drone in data collection. The data center will be used to pool the data and information in order to support the establishment of Coastal Resilience Village. The aerial foto will be used to get the current economic, social and environmental condition. This activity is budgeted for USD 110,600.

The total project/program cost is USD 3,438,700 for the establishment of Coastal Resilience Village in Kabupaten Pekalongan, Demak and Jepara in Central Java.

D. Describe how the project / programme is consistent with national or sub-national	Formatted: Font: 11 pt, Bold		
sustainable development strategies, including, where appropriate, national or sub- national development plans, poverty reduction strategies, national communications, or national adaptation programs of action, or other relevant instruments, where they	Formatted: Justified, Line spacing: Multiple 1.15 li		
exist.	Formatted: Font: 11 pt		
4	Formatted: Line spacing: Multiple 1.15 li		
Alignment of the project with the institutional and policy framework at National	Formatted: Indent: Left: 0.27", Line spacing: Multiple 1.15 li		
The National Action Plan for Climate Change Adaptation (RAN-API), Chapter 2.3.3 about Projected Increase of Sea Surface Temperature and of Sea Surface Level.			
http://bappenas.go.id/files/2913/4985/2794/national-action-plan-for-climate-change-	Field Code Changed		
adaptation-ran-api-synthesis-report 20121226163242 0.pdf38.			
In the Chapter 4. 4 Resilience of Special Areas and 4.4.2 Subsectors of coastal areas and small islands; the	Formatted: Indent: Left: 0.08", Hanging: 0.2", Line spacing: Multiple 1.15 li		
strategy for coastal areas and small islands are:	Formatted: Indent: Left: 0.27", Line spacing: Multiple 1.15 li		
threat of climate change;	Formatted: Indent: Left: 0.08", Hanging: 0.2", Line spacing: Multiple 1.15 li		
 Increasing the quality of the environment of coastal areas and small islands; Implementing development of adaptation structures in coastal areas and small islands; Adjusting spatial plan of urban areas against climate change; Developing and optimizing research and the information system on climate change in coastal areas and small islands. 			
The action plan for the sub-sectoral coastal areas and small islands may consist of:			
1. Community life capacity development;			
2. Management the quality of the environment;			
3. Application of structural and non-structural adaptation action;			
4. Integration of adaptation measures into the spatial plan;			
5. Increasing research and quality of information.			
4	Formatted: Indent: Left: 0.27", Line spacing: Multiple 1.15		
The Environmental Law No. 32 Year 2009, about Environmental Protection and			
Management.			
• Chapter 3 about The establishment of Environmental Protection and Management Plan (RPPLH).	Formatted: Indent: Lett: 0.08", Hanging: 0.2", Line spacing: Multiple 1.15 li		
• Article 10 clause (2) (f) the establishment of environmental protection and management plan as aimed at clause (1) concerning the climate change.			
• Article 10 clause (4) the environmental protection and management plan consist the plan of climate change adaptation and mitigation.			
	Formatted: Indent: Left: 0.27", Line spacing: Multiple 1.15		
The Presidential Decree No. 60 year 2015 about Government work Plan Year 2016.	<u> </u>		
Qualitative Development" is developed based on the leading sectors:			
37			

- 1. Food Sovereignty
- 2. Energy and Electrical Sovereignty
- 3. Maritime
- 4. Industry
- 5. Tourism
- 6. Innovation and Technology

Presidential Decree No.2 Year 2015 about The National Midterm Development Plan 2015 – 2019. 1.2.2 Climate Change ;Change; 1.2.2.1 Problems and strategic issues. The decrease of GHG emission / mitigation (GHG) and Improvement of communities communities resilience / climate change adaptation. The establishment of Coastal Resilience Village is in line with the above mentioned decree.

The Ministry of Marine and Fisheries Decree No. PER.16/MEN/2008 about the coastal areas and small islands management plan. Chapter 2, Article 2, Thisthis regulation is as norm, standard, and guidance for local governments (provincial and district levels) to arrange the coastal areas and small islands management plan.

The Information System on Vulnerability Index Data produced by The Ministry of Environment and Forestry, The Directorate General of Climate Change Control, Adaptation Directorate, 2015.

The Vulnerability Index Data showed that the Central Java Coastal areas has 15 vulnerable villages where some of them are badly impacted by the rise of sea level such as Pekalongan, Demak and Jepara.

Management Plan of Coastal Areas and Small Islands 2013, released by The Ministry of Marine and Fisheries.

Strategic plan should consist of cross sectoral policy direction for development through objectives, targets, and strategy designation and appropriate indicators to monitoring the plan.

Alignment of the project with the institutional and policy framework at Sub-National and District level:

Sub-National Midterm Development Plan Central Java Province covers the development plan on coastal areas. The plan should also in line with the national climate change adaptation strategy and action plan. This concept proposal is referring to the National action plan for climate change adaptation.

E. Describe how the project / programme meets relevant national technical standards, where applicable, such as standards for environmental assessment, building codes, etc., and complies with the Environmental and Social Policy of the Adaptation Fund. Formatted: Indent: Left: 0.08", Hanging: 0.2", Line spacing: Multiple 1.15 li

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Relevant national technical standards required by the Government of Indonesia, including environmental impact assessments, construction codes and water sanitation regulations will be taken into account. Indonesia building regulations and Indonesia building codes are the requirements to be fulfilled for infrastructure construction and development. The Ministry of Public Works released the infrastructure construction and development standards to build the public facility.

The Environmental Impact Assessment is also a compliance standard that need to be fulfilled prior to the building and infrastructure development. Environmental Rehabilitation will be required if the activities contaminate the area.

Furthermore, the water supply regulatory framework is also the compliance standard to be fulfilled by the developers. Urban water supply is a highly regulated business in Indonesia; a multitude of regulations on urban water supply are issued by different governmental institutions at different levels.

Project finance is one of the main financing schemes in Indonesia. This system has been used for several years in many transactions such as infrastructure development, power plant projects and others.

On 20 March 2015, the Indonesian Government issued Presidential Regulation No. 38 of 2015 regarding Public Private Partnerships ("**PPP**") which revokes and replaces the Presidential Regulation No. 67 of 2005 regarding Public Private Partnerships as amended several times. The Presidential Regulation No. 38 of 2015 strengthens the role of the Government Infrastructure Guarantee Fund in increasing the creditworthiness of the PPP infrastructure and develops sound procedures for granting security over project finance. Therefore, to date, project finance has made good progress and has often been used in Indonesia.

The Environmental and Social Policy of the Adaptation Fund requires to assess and manage environmental and social risks by the implementing entity will be integrated into existing requirements for risk assessment and managementand management. The initial screening for environmental and social risks can be included in the project/programme proposal document. Therefore, the activities of the project should comply with the above policy.

F. Describe if there is duplication of project / programme with other funding sources, if any.

The project propose will have a synergy and harmonize with other related existing or previous projects in the proposed coastal areas. The duplication efforts will be avoided and will rather put them into the adaptation measures to climate change and fill in the gaps identified in the previous projects. To start the project, it is crucial to mainstreaming adaptation measures to climate change to be able to identify the needs and how to meet

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them for the success of these project. In the preparation stage, the efforts will be dedicated to identify potential synergy with the existing projects, planned initiatives and activities, to be put into the project design.

JICA - Project of Capacity Development for Climate Change Strategies in Indonesia (2010-2015) conducted a project to mainstreaming adaptation/mitigation of climate change in National Development Planning. This study also covers Central Java and its northern coastal areas. JICA conducted The Integrating Climate Change Adaptation into Spatial Planning Policies through the Assessment of climate change impacts and vulnerability in pilot sites 1) Java Island (North coast, River basin); 2) South Sulawesi (West & south coastal area, Selayar). The Policy recommendations for integration of adaptation into spatial planning and conducted the technical guidance for local government. The project purpose will enhance the strategy of mainstreaming adaptation of climate change in the Sub-Districts Coastal Areas in Central Java.

The <u>essistingexisting</u> Mercy Corps Project with Asian Cities Climate Change Resilience Network (ACCCRN) – Integrated climate resilience strategy into city planning in Semarang Indonesia. The result of the work will be used as the baseline data for further development in nearby cities i.e Pekalongan, Demak and Jepara that have the same sea level rise problem. <u>Another Mercy Corps Program</u>, USAID-funded CADRE (API Perubahan) developed capacity of community group in one of three sub-districts frequently inundated in Pekalongan District. The program develop capacity building for local community on disaster risk reduction and provide climate projection on rainfall, however climate projection on sea level rise is not created. The proposed program will work on different district in Pekalongan, however climate projection will be useful for all districts and villages in Pekalongan.

G. If applicable, describe the learning and knowledge management component to capture and disseminate lessons learned.

The proposed program has an embedded Monitoring and Evaluation Unit, assigned role for knowledge management and learning exchange within program team, organized learning exchange event and outreach, and conducting pre and post-test survey on given interventions for evaluation purpose. Program management team will engage with existing learning platform on climate, named Indonesian Climate Alliance, and plan to reach association of regional government for broader audience.

The Knowledge Management component of the program contains activities to capture and disseminate both tacit and intrinsic knowledge. For the tacit knowledge such that is not codified and clearly tangible there are sharing opportunities so experiences and stories can be shared. Workshops and forums will facilitate learning and co-creation opportunities for various stakeholders. Communities of practice will provide space for sharing stories and

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lessons learned that are relevant but not defined within project scopes. The intrinsic knowledge will be captured through more traditional methods. Reports and research will be published to reach the academic community. Policy briefs and recommendations will be presented to law makers and public officials for the incorporation into planning and interventions. Social media and other innovative platforms will be used to incorporate the voice and opinion of the local communities and general public. Lessons learned will be disseminated to other adaptation practitioners and government partners.

Describe the consultative process, including the list of stakeholders consulted, undertaken during project preparation, with particular reference to vulnerable groups, including gender considerations, in compliance with the Environmental and Social Policy of the Adaptation Fund.

- DR (national ownership, provincial/local masih belum)

H. ,

During preparation for the proposal concept, Kemitraan did a series of consultative processwith the national stakeholders. Among the first that Kemitraan had a consultation with was the RAN-API (National Action Plan - Climate Change Adaptation) Secretariat in Jakarta. The RAN-API was launched by BAPPENAS (National Development Agency) and its implementation at the national and local level is being managed by the Secretariat. Through the discussion, the general situation of the progress in the climate change issues, especially on the climate change adaptation in particular, was given. From this initial consultation the most important information gathered was that even though it is already a good start that Indonesia has a national action plan on climate change adaptation however, the integration and implementation of the activities into national and local government strategies, is still experiencing some tough challenges. For example, RAN-API is not supported by any legal basis and thus it does not possess the legal strength to impose itself to be included in the national (RPJMN) or local (RPJMD) middle term strategy. Moreover, the monitoring and evaluation system of RAN-API still has not been established due to the overlapping authority between sectors. The RAN-API 2016 priorities lie mostly in setting the pre-condition towards conotation of the adaptation. Which basically means that the basic aspects of climate change still being the biggest homework for the country.

AnOether discussionse took place with the government institutions wereere the Director of the Climate Change Adaptation at the Ministry of Environment and Forestry, as well as the Deputy Director for International Cooperation and Climate Finance at the Ministry of Finance. At the initial discussion with the Ministry of Environment and Forestry, they advised Kemitraan to direct the Adaptation Program at the Coastal and Small Islands, since those areas are the ones which will, or are already, experiencing the biggest impact of climate change. More importantly, there has not been many external aid programs conducted in those areas, meanwhile there still too large areas that have not yet received assistance. They advised Kemitraan to use the Vulnerability Assesment done in some of the 15 priority areas of the RAN-API as a starting point to decide which locations to choose from, since

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some of those areas already have climate vulnerability study that can be used for data. Moreover, they also emphasized the importance for Kemitraan to align the Adaptation Fund program with the national as well as local government programs, as a way to ensure coordination with the government and benefit for the communities. At the second consultation with the MoEF, the Director General of Climate Change Control agreed to be the designated Implementing Entity by releasing a signed formal letter of support for Kemitraan, to be used as a supporting document when the concept proposal is sent to the Adaptation Fund.

With the Ministry of Finance the consultation was mostly surrounding the discussion about the National Designated Agency for Adaptation Fund, which they thought should be with them, since this fund involves an on/off treasury. However, the matter of whether or not the NDA was at the Ministry of Finance or Ministry of Environment and Forestry was no longer an issue once it was decided by the MoEF that NDA stays with them, due to previous dissolvement of National Board of Climate Change (DNPI) into the Directorate General of Climate Change Control at MoEF. It was during the consultation with Ministry of Finance that Kemitraan first learned about the failing Adaptation Fund program that was supposedly run by WFP.

Further discussions were held among a number of CSOs namely, Thamrin School, Friends of the Earth Indonesia (WALHI), Institute for Environmental Services Reform (IESR) and Indonesia Climate Alliance (ICA), of which those are the CSOs that have established their prominent status in the issues of climate change adaptation in Indonesia. In separate discussions they remind the importance of understanding the AF activities which are to focus on concrete activities. Focus should be directed on the areas with utmost urgency, where there might be impact if we delay in assisting them to adopt to climate change. Similar to the advise by the MoEF, they also think that the fund should be directed towards Coastal and Small Island areas, with the additional attention to Agriculture as well.

The concept proposal that will be developed has to be able to marry the contents of with the values of Sustainable Development Goals (SDG)s, which in that way ensuresing that the program will also benefit other sectors. In line with the advise from the MoEF, they also stress the importance to align the program with the national policy so as to ensure acknowledgement from the Government at national and local level. Another important issue to keep in mind as Kemitraan develops the concept proposal is to align the program with the climate scenarios of the selected locations, whichever adaptation selection should be based on climate scenarios, so as to avoid investment on activities that may not have or give any impact to the location.

Through the consultations Kemitraan learned that the challenges of adaptation strategies and activities is that unlike mitigation, they are still considered as not mandatory for regionals in the country and that is why it keeps not being adapted by regionals strategies (RPJMD). That also due to the fact that although the impact of climate change is evident in many parts but the government still hesitant to invest in long term projects for adaptation. Also, many adaptation activities are still mistargeted. For example, professional associations (architects, civil engineers, etc) still not have any capacity building made for them, where in fact they can be the most viral effect to building infrastructures that adapting to climate change scenarios. It's very important to choose the right target to build capacity building in, not just the government officials. The CSOs also emphasize the importance for Kemitraan to confirm the present NDA position in Indonesia. Another matter that is also important to be mindful about is that Kemitraan should ensure that Safeguards and Gender issues are translated into the proposal.

Another consultation that was being held was with the Bamboo Foundation, which is engaged to be one of the partners that could be both private or NGO, in the concept proposal. Bamboos are identified as plants that can provide prevention of floods, which should be in line with the activities in strengthening resilience of physical environment. Bamboo Foundation would not only work to provide bamboos as the last stronghold in keeping tidal floods from entering a village, or from locus investation to crop fields but their expertise in cultivating, processing, as well as providing community development in harvesting bamboos, provide them with alternative sustainable income, which is bettering their livelihood.

The most updated news regarding the status of WFP project in Indonesia was received very recently whereby the Director General of Climate Change Control agreed to release a formal letter stating the annulment of WFP project. This new development may present an opportunity for Kemitraan or other upcoming NIEs in Indonesia to propose for the previous fund awarded to the WFP.

Program Management Team will apply call for proposal for funded-program. Consultation with potential beneficiaries and relevant stakeholders is part of requirement of proposal application. Further confirmation will be conducted prior to proposal approval and kick-off meeting of funded projects. Project should demonstrate gender inclusive and child-safe intervention and program team will carefully ensure they are fulfilled.

I. Provide justification for funding requested, focusing on the full cost of adaptation reasoning.

The rise of sea level has impacted coastal areas in Indonesia including Central Java. The Project Purpose is addressing the condition in 3 (three) Districts of Pekalongan, Demak and Jepara. These coastal areas are inundated because of sea level rise and has impacted the social, economy, and living environment of the people in the areas. Nationally the country faces critical issues on how to plan and prepare adaptation measures to cope with the climate change scenarios. This <u>hasies not been</u> taken to the Sub-National level yet. Therefore, the Project Purpose is focusing in the inundated coastal areas in Central Java as the climate change impacted areas that are closed to the central government. The result of

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this project purpose could be used as a baseline for further adaptation activities in Indonesia in coastal areas.

Project Objective: strengthened resilience of coastal communities to impact of climate change and climate extreme on economic, social and ecosystem through strengthening village resilience with concrete and innovative adaptation measures and strengthening capacity of local government in developing and implementing adaptation strategy and actions.

The program strategy is to strengthening resilience of coastal community (component 1), improvement on government policy and program on climate adaptation (component 2) and knowledgeknowledge management (component 3). The three proposed components are in line with National Action Plan on Climate Change Adaptation (RAN API), especially on Cluster 1, 2 and 3, and with National Mid-Term Development Plan and with Law Number 32 year 2009 on Regional Government. Indicative activities are explained below. More details explanation on activities will be developed during project preparation.

Component A: Strengthening resilience of coastal community

The program strategy is to strengthening resilience of coastal community with concrete and innovative adaptation measure on livelihood, environment management and climate information. The proposed program will be conducted in inundated coastal communities in Central Java Province of Java Island where coastal inundation and erosions is occurring. Community livelihood, food productions, transportations and health are severely disrupted by increasing sea level rise in the area.

This component will focus on introducing and implementing concrete adaptation measures to respond coastal inundation and erosion and impact of changing climate pattern to fishing and farming activities. Adaptation measures to prevent worsen coastal inundation and erosion will be emphasized on coastal ecosystem-based restoration and when possible with naturally local-based structure intervention. Bamboo, for example, has been proven to be effective in preventing coastal erosion, strengthening river bank while providing income for local community. Strengthening local livelihood on marine-farming will be emphasized on improving technology and methods for aquaculture (fish, crab, seaweed) and other options and introducing seasonal climate and weather forecast information for decision making in farming, fishing activities and anticipate climate extreme.

Three lines of work under this component will be developed; (1) capacity in economics; (2) strengthen resilience of physical environment; (3) climate related disaster risk reduction; (4) technical support in conducting research on impact and adaptation measure.

The proposed program under the first component will produce five intended outcomes; (1) Strengthened capacity in livelihood activities; (2) Strengthened resilience of physical environment; (3) Strengthened capacity in reducing climate-related disaster risks; (4) Formatted: Not Highlight

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Alternative livelihood concept in inundated lands available will be developed based on applicability and sustainability in accordance with affected communities; (5) District Health strategic plan recognize the importance of integrating the adaptation action plan into the health sector program.

The first outcome, Strengthened capacity in livelihood activities, will be achieved through participatory vulnerability assessment and community action developed and socialized to the impacted communities for the education on data collection and the dissemination of climate impacts on a local level; building community resilience by applying climate ingenious technology and method on fishing and marine-culture; and pilot projects on innovative technology and methods to respond to impacts of climate change on fishing and marine-culture.

The second outcome, strengthened resilience of physical environment, will be achieved through identifying sustainable technology and practices on environmental restoration and management to prevent coastal erosion and inundation, implementing sustainable technology and methods on environmental restoration and management, and developing regulation and plans developed –at local level on resilience of physical environment for community engagement and inclusion.

The third outcome, strengthened capacity in reducing climate-related disaster risks, will be achieved through climate-related early warning system and procedures developed to adapt to the risk associated with frequent flooding and other climate related risk; climate-related early warning system and procedures developed to adapt to the risk associated with frequent flooding and other climate related risk; simulation on gender-inclusive and marginalized groups in disaster preparedness contingency plan.

The fourth outcome, alternative livelihood concept in inundated lands available will be developed based on applicability and sustainability in accordance with affected communities, will be achieved through developing feasibility study on suitable livelihoold activities on inundated lands and consultations with impacted communities.

The fifth outcome, district health strategic plan recognizes the importance of integrating the adaptation action plan into the health sector program, will be achieved through development recommendations generated from the research on community health in inundated lands.

Component B: Improvement on government policy and program on climate adaptation The program strategy is to increase capacity of regional government in developing climate scenario, climate vulnerability assessment, climate adaptation strategy and actions, and in mainstreaming the strategy and actions into regional development plan. The program will also produce several research and policy paper that inform regional government on management of un-avoided inundated coastal land. Formatted: Not Highlight

Two lines of work will be developed (1) Mainstreaming adaptation plan into regional development plan; and (2) Long-term policy and program on inundated land. The proposed program under this component will produce two intended outcomes; (1) Synchronized adaptation planning into regional development plans, and (2) Developed policy and plan on un-avoided inundated coastal.

The first outcome, synchronized adaptation planning into regional development plans, will be achieved through development convergence methodology on vulnerability assessment on climate change for Central Java; more effective planning will be possible through the compilation and coordination of climate change data; capacity building for regional government and local stakeholder in Central Java in developing climate change scenarios based on reliable data; vulnerability assessment which will provide a baseline of new data for the Local Action Plan creation for districts/cities in Central Java; adaptive measures taken into regional development plan by providing reliable data and educatiing policy makers on risk, cost and benefits; and adaptive measures taken into regional development plan by providing reliable data and educating policy makers on risk, cost and benefits.

The program will introduce converging methods and tools on climate vulnerability assessment and on disaster risk assessment. Up to date, the framework for convergence had recently been produced through collaborations of numbers of CSOs, Ministry of Environment and Forestry (KLHK), National Development Planning Agency (BAPPENAS), National Disaster Management Agency (BNPB), and SCDRR-UNDP Program. The proposed program will introduced the converging methods and tools to regional government. Partnership with Ministries of Internal Affairs, as well as KLHK and BNPB and university, will be developed for this process. The convergences of the two different and separated methods and tools are encouraged in the latest IPCC report. It will avoid overlapping and inefficiencies of funding, program planning and implementation.

The second outcome is developing policy and plan on un-avoided inundated coastal. For unavoided wide-scale of coastal inundation in several villages of a district, development policy and plan for inundated coastal will be encouraged. Up to date, respond from local government and communities for inundated coastal and its impact to their settlement and livelihood is for short term and less systematic. Communities wait several days for water level low and frequently increasing house floor and ceiling. Government provide water pump and build partial water-wall. Spending on infrastructure, such as road and public building are still continued.

The outcome will be achieved through comprehensive study on long-term economic cost of living in inundated coastal versus relocation and alternative land-use of inundated land. This data will serve to develop cost effective programs that are socially and environmentally acceptable; and policy paper on inundated areas for the development of llegal framework on land rights in inundated coastal land, including dispute settlement.

Component C: Knowledge Management

The program strategy is to manage, document, analyze, and share project progress and learning. The program will develop monitoring, evaluation and learning unit at secretariat level, community data center, and collaborate with existing knowledge exchange platform.

The proposed program under this component will produce two intended outcomes; (1) Effective knowledge management and learning exchange among the district of Jepara, Demak, and Pekalongan and between the districts and the provincial level and national level and including the involvement of Civil Society and Universities, (2) Well documented achievement on program indicators and targets, and (3) Well managed Programs.

The first outcome, effective knowledge management and learning exchange, will be achieved through multi-stakeholder forum at national and regional established and functioning in building supervising the project implementation, supporting the synergy and collaborative work with other related ministries and sectors, lead the sharing knowledge and good practices with other institution and communities; and

media and public outreach on project outcomes and activities, outputs and learning's in the national and regional level in order to increase the awareness of the Climate Change and the effort for adaptation

The second outcome, well documented achievement on program indicators and targets, will be achieved through development performance indicators and program evaluation to ensure the program is meeting expected outputs and outcomes.

The third outcome, well documented achievement on program indicators and targets, will be achieved through establishment Project Management Unit which will be responsible for the coordinated efforts between the head office in Jakarta and the program office in Central Java.

J. Describe how the sustainability of the project/programme outcomes has been taken into account when designing the project / programme.

The funded program mainly provides technical assistance, tools and knowledge for regional government and village community. while program implementation at district level will mainly be funded from regional budget as <u>T</u>the expected outcome is to integrate climate strategy and adaptation action into regional development plan. The program also helps village administrative to identify prioritized adaptation action, which could be funded afterward by decentralized Village Fund. Funded pilot project to improve livelihood at village level is integrated with existing livelihood activities. Improved livelihood <u>is designed towill naturally</u> continue from community <u>driven efforts and their</u> own resources as it provides long-term means that existing programs should be <u>able to continue post adaptation fund project cycle</u>. The benefit of the capacity building and policy influence is that the community and the policy makers are inclined to take ownership of the adaptation actions because they will have data

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and -adjusted to achieve goal of reducing impact of climate change, it does not necessary a new program-training to take ownership. A major challenge to the adaptation issues in the central regions we are proposing in the program is that there is no data. Without data there can be no movement so our program is positioning stakeholders to move forward with data driven strategy.

K. Provide an overview of the environmental and social impacts and risks identified as being relevant to the project / programme.

Wwee strongly believe that all proposed activities comply with all environmental and social principles measures. through a thorough discussion based on our literature studies as well as based on our experiences working in the area and our discussion on the proposed issues, we are able to identify potential impacts and risk-further assessment.

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Checklist of environmental and social principles	No further assessment required for compliance	Potential impacts and risks – further assessment and management required for compliance	Formatted: Font: 10 pt Formatted: Line spacing: Multiple 1.15 li
Compliance with the Law	Yes	Permits may be needed for	Formatted: Font: 10 pt
		construction infrastructure such as offices or marine culture locations	Formatted: Line spacing: Multiple 1.15 li
Access and Equity	Yes	Must consider the location of	Formatted: Font: 10 pt
		model plots for marine culture to ensure that all members of the community can benefit	Formatted: Line spacing: Multiple 1.15 li
Marginalized and Vulnerable Groups	Yes	Must provide training to an	Formatted: Font: 10 pt
		diverse socioeconomic backgrounds Vulnerability Assessments need to have a balance stakeholders	Formatted: Line spacing: Multiple 1.15 li
Human Rights	Yes	Working conditions of any	Formatted: Font: 10 pt
		construction team involved Policy developed needs to include human rights issues	Formatted: Line spacing: Multiple 1.15 li
Gender Equity and Women's Empowerment	Yes	Consideration of infrastructure	Formatted: Font: 10 pt
		and the leaderships of community groups consulted need to have a gender inclusive composition	Formatted: Line spacing: Multiple 1.15 li
Core Labour Rights	Yes	Need to ensure fair pay for all	Formatted: Font: 10 pt
		employees	Formatted: Line spacing: Multiple 1.15 li

Indigenous Peoples	Yes	Surrounding areas may have	-	Formatted: Font: 10 pt
		indigenous populations that		Formatted: Line spacing: Multiple 1.15 li
		can be affected program		
		components so their		
		consultation is needed		
Involuntary Resettlement	Yes	If the inundated land is seen	~	Formatted: Font: 10 pt
		as hazardous for locals to live		Formatted: Line spacing: Multiple 1.15 li
		in for the long term there may		
		be involuntary settelment		
Protection of Natural Habitats	Yes	Need to consider the historical <	~	Formatted: Font: 10 pt
		conservation habits of the local		Formatted: Line spacing: Multiple 1.15 li
Conservation of Biological Diversity	Yes	The recommendations		Formatted: Font: 10 pt
		developed have to consider		Formatted: Line spacing: Multiple 1.15 li
		the introduction of foreign and		
		invasive species		
Climate Change	Yes	Consideration of our carbon	~	Formatted: Font: 10 pt
		foot print in the implementation		Formatted: Line spacing: Multiple 1.15 li
		of the adaptation activities		
Pollution Prevention and Resource Efficiency	No	N/A 🚽	~	Formatted: Font: 10 pt
Public Health	Yes	Need to ensure the research		Formatted: Line spacing: Multiple 1.15 li
		and policy developed includes		Formatted: Font: 10 pt
		women, children and		Formatted: Line spacing: Multiple 1.15 li
		marginalize groups		
Physical and Cultural Heritage	Yes	Need to consult with	\sim	Formatted: Font: 10 pt
		indigenous populations on		Formatted: Line spacing: Multiple 1.15 li
		customs related to coastal		
		environment		
Lands and Soil Conservation	<u>Yes</u> No	Sedimentation is a issue that		Formatted: Font: 10 pt
		may need to be addressed and		Formatted: Line spacing: Multiple 1.15 li
		II THIS IS THE CASE WE WILL NEED		
		upstream that don't see direct		
		impacts from the coastal		
		inundationN/A		

PART III: IMPLEMENTATION ARRANGEMENTS

A. Describe the arrangements for project / programme implementation.

The Government of Indonesia will implement the project through National Implementation Agency (NIE) the Partnership for Governance Reform (Kemitraan). The Project purpose has the Project Management Framework. The Executing entities for the project are the communities groups, the Universities, the NGOs, and the Private Sectors. The Project will have Steering Committee including the President Staff Office; the Ministry of the Environment and Forestry through the Directorate General Climate Change Control, through the Directorate for Adaptation; and Ministry of Maritime and Fisheries through Directorate Maritime and Fisheries Development and Research Agency; and the Civil Society Organisations.

The Steering Committee is needed to ensure the means and mechanisms are in place to get things done <u>while repressing s</u>; Represents stakeholders that do not directly sit on the steering committee. A steering committee can only have a limited number of members. It is the job of the steering committee to represent those that do not have a direct representative in the governance structure <u>meanwhile ee; Ensuringes</u> equality in decision-making. The steering committee must make sure the project meets the needs of as many participants as possible. This means it must fairly weigh all requests and act impartially to do the most good with the resources it has available; Acts as the ultimate decision maker in handling political, legal, organizational, technical, cost, management, cultural and personnel issues. There has to be a forum for making final, and sometimes difficult, decisions.

Picture 1. Project CoordinationManagement Framework



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The PMU is assisted by Monitoring, Evaluation and Learning Manager, Project Coordinator and Finance Manager. The Monitoring, Evaluation and Learning (MEL) Manager is responsible for contributing to strategy discussions, providing technical assistance on M&E for each programmatic sector and developing successful mechanisms for learning. MEL Manager will be responsible for cross-cutting programmatic information management, monitoring and evaluation, ensuring that information collected is reflected upon, used to improve ongoing programs, and is incorporated into consistently high quality reports and proposal development. The Monitoring, Evaluation and Learning Manager will incorporate all best practices of MEL in the proposal design stage for most effective program management during implementation. In coordination with sector managers and team members, MEL Manager will be responsible for developing, coordinating, maintaining and constantly improving the Project's MEL system, as well as implementing an internal M&E and ICT capacity building strategy that trains Project Manager, Project Officers and Project Finance/Admin_Assistants, Finance Manager, Admin and Finance Assistant. MEL Manager also promotes a culture of learning and knowledge management.

The Project Coordinator is responsible to make sure that project activities in 3 Districts are all on place. The Project Officer is responsible for the implementation of activities in the District. The Project Officer is assisted by Project <u>Finance/Admin</u> Assistants who are responsible for the implementation of project activities in sub-district.

The Finance Manager is responsible for the financing of the overall project activities. S/he is assisted by Admin and Finance Manager. In the <u>District District</u> level, the Finance Manager is assisted by Finance Officer who is responsible for the financing in the District. The Finance Officer is assisted by Finance Assistants who are responsible for the financing of project activities in the sub-districts.



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B. Describe the measures for financial and project / programme risk management.

The initial identification of management and program risks is summarized under below risks matrix. A more detail and comprehensive risk assessment and its mitigation plan will be further elaborated during the full proposal development phase.

Identified Risks	<u>Risk</u> Level	Mitigation Measures
Potential lack of support from the national government as the President may prioritize economic sector in the current situation	Low	The Project Steering Committee to establish a decision making process is not dependent on one entity/official
Weak coordination among the concerned ministries and frequently change of officials assigned as the steering committee member	<u>Medium</u>	NIE to hold regular coordination meetings. Establish strong governance on Project Steering Committee
General election in 2019 may deprive key actor focus at the end of project period	Low	To avoid delay in project schedule through extensive project monitoring and supervision, so by the time of the general election in 2019, the project only needs to finalize its reporting process
Lack of Support from subnational government in the project sites (Pekalongan, Demak, Jepara)	Low	Signing MoU with the head of local government (Mayor) to get buy-in the project. Periodic report and coordination and build ownership to the subnational stakeholders
Program planning session including socialization and development of instrument may take longer time than that of scheduled	Medium	Engaging stakeholders during the planning session Commitment of key stake stakeholder is put in in a written document.
Low acceptance by beneficiaries/target group may delay project implementation	<u>Medium</u>	Building consensus on planned activities and time-schedule in a participatory manner
Project economic benefits may get more attention than its social and environment factor	low	Mainstream environment and social safeguarding
Changes and rotation of staff in	Low	Capacity building/training new staff and

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local executing organizations may affect program activities		regular coordination and monitoring Provide system (accounting system) and SOPs to executing institutions
Delay in program implementation may delay in financial disbursement	<u>Medium</u>	Monitor closely project implementation by executing agents and provide immediate feed-back on problem faced by the executing agent. Set a problem solving mechanism

(membuat matriks Risk) ET, Radjawali

C. Describe the measures for environmental and social risk management, in line with the Environmental and Social Policy of the Adaptation Fund. (membuat matriks Risk), ET, Radjawali

Identified Risks	<u>Risk</u>	Mitigation Measures	•
	Level		
Time period for regional development	Low	Involve the Local Government to develop	-
planning is missed.		the action plan of project activities	
Lack of commitment to develop	Medium	Involve provincial and local governments in	-
coordination (both from targeted district		Steering Committee	
government or neighbouring district			
government or provincial government).			
Poor commitment and consistency in	Medium	Provide Supporting Regulation from	•
applying new method and technology		Provincial and District levels	
Lengthy administrative procedure from	Low	Involve CSO and NGO in implementing the	-
local government for improving physical		programs.	
environment.			
Centralized (by district government)	Low	Provide supporting regulation from district	-
early warning is applied.		level.	
Time period for district government to	Medium	The Project Workplan Preparation has to	•
develop strategic plan is missed (before		involve local government.	
or after project period).			
Climate scenario is not detail enough up	Low	Improve the awareness at local	•
to district level for district government to		government	
make decision.			
Lack commitment of the regional	low	Provide supporting regulation from National	•
government to integrated the VA data		level	
into the government plan			
Adaptation plan is not the priority of the	Low	Improve awareness of local government on	•
ruling district government		Sub-National	
Less interest of the government official	low	Conduct regular workshop on the	•
to learn the knowledge resulted from the		knowledge management at local	
program.		government level	
Lack of commitment from communities	Medium	Improving awareness on the program by]•
		conducting training and workshop at district	

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		level.			
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Lack of interest of communities to	<u>Law</u>	Capacity building for local communities	•	-	Formatted: Font: 10 pt
improve their livelihood, culture barrier					Formatted: Line spacing: Multiple 1.15 li
and lack of capacity					

D. Describe the monitoring and evaluation arrangements and provide a budgeted M&E plan.

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Type of M&E Activities	Responsible Parties	Budget (US\$) (does not include staff time)	Time Frame
Office set-up and project staff	Project manager	<u>500.00</u>	Y1: 1 st month
<u>recruitment</u>			
Inception workshop	Project Manager	None	Y1; 2 nd month
(30 participants, 5 days)			
Inception report	Project Manager	None	Y1: 2 nd month
Develop the performance management	Project manager	None	Y1 (quarterly),
plan and reported quarterly			<u>Y2, Y3</u>
Develop base line data	M&E Specialist and	<u>5,500.00</u>	2 nd -3 rd month Y1
(2 month, 1 team researcher)	external consultant		
Regular monitoring to the field	Project Manager	<u>15,000.00</u>	Y1: bimonthly,
(bimonthly)	M&E Specialist		Y2 and Y3
Spot check monitoring the measure the	PME Unit and	10,000.00	Y1: quarterly
progress output (quarterly)	Internal Audit		<u>Y2, Y3</u>
Quarterly report	Project manager	None	Y1 (quarterly),
			<u>Y2, Y3</u>
Coordination meeting of the project	Project Manager		Y1, 4 th month
management unit with the steering		7,500.00	
committee in the national and district			
level			
PMU coordination meeting including the	Project Manager	12,000.00	<u>Y1, Y2, Y3</u>
field staff (2x/year)			
End line survey	Researcher	20,000.00	
Documentation of achievements from		75,000.00	
program's indicators and targets			
Midterm evaluation	PME Unit and	<u>10,000.00</u>	Y2 6 th month
	External consultant		
Final evaluation	PME Unit and	20,000.00	Y3, 3rd quartile
	External consultant		
TOTAL INDICATIVE COST		<u>175,500.00</u>	
Type of M&E Activities	Responsible	Budget (US\$)	Time Frame

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Office set-up and project staff Project manager 500.00 ¥1: 1st month * inception workshop Project Manager None ¥1: 2st month * (30 participants, 5 days) Project Manager None ¥1: 2st month * jnception workshop Project Manager None ¥1: 2st month * (30 participants, 5 days) Project Manager None ¥1: 2st month * jan and reported quarterly Project Manager None ¥1: (quarterly)r plan and reported quarterly W&E Specialist and 5,500.00 2st - 3st -		Parties	(does not include	
Office set-up and project staff Project manager 500.00 ¥1: 1 st month • Inception workshop Project Manager None ¥1; 2 nd month • (30 participants, 5 days) Inception report Project Manager None ¥1; 2 nd month • Jnception report Project Manager None ¥1; 2 nd month • Jevelop the performance management Project manager None ¥1 (quarterly); plan and reported quarterly W&E Specialist and 5,500.00 2 nd , 3 nd month ×1 (2-month, 1 team researcher) external-consultant Y2 and Y3 Regular monitoring to the field Project Manager 15,000.00 Y1: bimonthlyr (bimonthly) M&E Specialist Y2 and Y3 Spot check monitoring the measure the PME Unit and 10,000.00 Y1: quarterly • progress output (quarterly) Internal Audit Y2, Y3 Zordination meeting of the project Project Manager Y1, 4 th month • gammagement unit with the steering committee in the national and district level Project Manager Y1, 4 th month • PMU coordination meeting including the from project Manager 12,000.00 ¥1, Y2, Y3 • Incelf fastif (2x/year)			staff time)	
recruitment Inception workshop Project Manager None Y1, 2 nd month* Jnception report Project Manager None Y1, 2 nd month* Jnception report Project Manager None Y1, 2 nd month* Develop the performance management Project manager None Y1 (quarterly)* plan and reported quarterly Y2, Y3 Y3 Pevelop base line data M&E Specialist and 5,500.00 2 nd -3 nd -month Y1 (2 month, 1 team researcher) external consultant Y2 and Y3 Regular monitoring to the field Project Manager 15,000.00 Y1. bimonthly* (bimonthly) M&E Specialist Y2 and Y3 Spot check monitoring the measure the project manager None Y1 (quarterly * progress output (quarterly) Internal Audit Y2, Y3 Quarterly report Project Manager Y1, 4 th -month* management unit with the steering committee in the national and district level Project Manager Y1, 4 th -month* PMU coordination meeting including the indext and force and f	Office set-up and project staff	Project manager	500.00	Y1:1 st month ◄
Inception workshop Project Manager None Y1; 2 nd -month (30 participants, 5 days) Project Manager None Y1; 2 nd -month Jnception report Project Manager None Y1; 2 nd -month Develop the performance management Project Manager None Y1; 2 nd -month participants, 5 days) Project Manager None Y1; 2 nd -month participants, 5 days Project Manager None Y1; 2 nd -month participants, 5 days Project Manager None Y1; 2 nd -month participants, 5 days Project Manager None Y1; 2 nd -month participants, 5 days external-consultant Y2, Y3 Y2 and Y3 Peroject check monitoring the measure the PME Unit and 40,000.00 Y1; quarterly * progress-output (quarterly) Internal Audit Y2, Y3 Y2 and Y3 Quarterly report Project Manager None Y1, quarterly,* progress-output (quarterly) Internal Audit Y2, Y3 Y2 and Y3 Quarterly report Project Manager Y1, quarterly)* Y1, quarterly,* progress-output (quarterly) Project Ma	recruitment			
(30 participants, 5 days) Project Manager None Y1: 2nd month* Pevelop the performance management Project manager None Y1: 2nd month* Pavelop the performance management Project manager None Y1: 2nd month* plan and reported quarterly Y2, Y3 Y2, Y3 pevelop base line data M&E Specialist and 5,500.00 2nd -3nd month Y1 (2 month, 1 team researcher) external consultant Y2 and Y3 Regular monitoring to the field Project Manager 15,000.00 Y1: bimonthly* (bimonthly) M&E Specialist Y2 and Y3 Spot check monitoring the measure the PME Unit and 10,000.00 Y1: quarterly * progress-output (quarterly-) Internal Audit Y2, Y3 Quarterly report Project Manager None Y1 (quarterly)* Geordination meeting of the project Project Manager Y1, 4th month* management unit with the steering 7,500.00 Y1, Y2, Y3 * Field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 * End-line survey Researcher 20,000.00 * Pocumentation of achievements f	Inception workshop	Project Manager	None	Y1; 2 nd month
Inception report Project Manager None ¥1: 2 nd -month Develop the performance management plan and reported quarterly Project manager None ¥1: quarterly); plan and reported quarterly Y2, Y3 Y2, Y3 pevelop base line data M&E Specialist and 5,500.00 2 nd -3 rd month ¥1 (2-month, 1 team researcher) external consultant Y2 and Y3 Regular monitoring to the field Project Manager 45,000.00 Y1: bimonthly; Spot check monitoring the measure the progress output (quarterly) PME Unit and 40,000.00 Y1: quarterly Quarterly report Project Manager None Y1 quarterly Y2 and Y3 Quarterly report Project manager None Y1 quarterly Y2, Y3 Quarterly report Project Manager Y2, Y3 Y2, Y3 Coordination meeting of the project Project Manager Y1, 4 th month Y2, Y3 Coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2 6 th month External consultant </td <td>(30 participants, 5 days)</td> <td></td> <td></td> <td></td>	(30 participants, 5 days)			
Develop the performance management plan and reported quarterly Project manager None Y1 (quarterly), Y2, Y3 Develop base line data M&E Specialist and external consultant 5,500.00 2 nd -3 rd month X1 Regular monitoring to the field Project Manager 15,000.00 Y1: bimonthly; Regular monitoring to the field Project Manager 15,000.00 Y1: bimonthly; Spot check monitoring the measure the progress output (quarterly -) Internal Audit Y2, Y3 Quarterly report Project Manager None Y1 (quarterly + Y2, Y3 Coordination meeting of the project Project Manager Y1, quarterly, Y2, Y3 Coordination meeting of the project Project Manager Y1, quarterly, Y1, q th month * management unit with the steering committee in the national and district level Project Manager Y1, quarterly, Y1, Y2, Y3 * Perogrem's indicators and targets Researcher 20,000.00 Project Manager 10,000.00 Y1, Y2, Y3 * Indiaterm evaluation PME Unit and 10,000.00 Y1, Y2, Y3 * Decomentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2.6 th month * Final evaluation	Inception report	Project Manager	None	Y1: 2nd month ₄
plan and reported quarterly Y2, Y3 Develop base line data M&E Specialist and 5,500.00 2 nd -3 rd month Y1 (2 month, 1 team researcher) external consultant Regular monitoring to the field Project Manager 15,000.00 Y1: bimonthly; Spot check monitoring the measure the progress output (quarterly) M&E Specialist Y2 and Y3 Quarterly report Project Manager None Y1: quarterly * progress output (quarterly) Internal Audit Y2, Y3 Quarterly report Project Manager None Y1: quarterly; Coordination meeting of the project Project Manager Y1, 4 th month* management unit with the steering committee in the national and district level Project Manager Y1, Y2, Y3 PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2.6 th month * External consultant External consultant TrotAL INDICATIVE COST Y3, 3 rd quartile	Develop the performance management	Project manager	None	Y1 (quarterly) ,
Develop base line data M&E Specialist and external consultant 5,500.00 2 ^{ret} -3 rd -month ¥1 Regular monitoring to the field Project Manager 15,000.00 ¥1: bimonthly; (bimonthly) M&E Specialist ¥2 and ¥3 Spot check monitoring the measure the progress output (quarterly-) PME Unit and Internal Audit 10,000.00 ¥1: quarterly • quarterly report Quarterly report Project Manager None ¥1 (quarterly)• Y2, ¥3 Quarterly report Project Manager Y1. quarterly• Y2, ¥3 Coordination meeting of the project Project Manager ¥1, 4 th month • management unit with the steering committee in the national and district level Project Manager 12,000.00 ¥1, Y2, Y3 • PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 ¥1, Y2, Y3 • End line survey Researcher 20,000.00 • • Pocumentation of achievements from program's indicators and targets PME Unit and External consultant 10,000.00 ¥2.6 th -month • Final evaluation PME Unit and External consultant 20,000.00 ¥3, 3 rd quartile Final evaluation PME Unit and External consultant 20,000.00 <td< td=""><td>plan and reported quarterly</td><td></td><td></td><td>Y2, Y3</td></td<>	plan and reported quarterly			Y2, Y3
(2 month, 1 team researcher) external consultant Regular monitoring to the field Project Manager 15,000.00 Y1: bimonthly; (bimonthly) M&E Specialist Y2 and Y3 Spot check monitoring the measure the progress output (quarterly) Internal Audit Y2, Y3 Quarterly report Project manager None Y1 (quarterly); Quarterly report Project Manager Y1. quarterly); Quarterly report Project manager None Y1 (quarterly); Quarterly report Project Manager Y1, 4 th -month* management unit with the steering committee in the national and district level Project Manager 12,000.00 Y1, Y2, Y3 PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2 6 th -month * Katernal consultant External consultant Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile Kidterm evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile	Develop base line data	M&E Specialist and	5,500.00	2nd-3rd month ¥ 1
Regular monitoring to the field Project Manager 15,000.00 ¥1: bimonthly; (bimonthly) M&E Specialist ¥2 and ¥3 Spot check monitoring the measure the progress-output (quarterly) Internal Audit 10,000.00 ¥1: quarterly * progress-output (quarterly) Internal Audit ¥2, Y3 Y2, Y3 Quarterly report Project Manager None ¥1 (quarterly); Quarterly report Project Manager Y1, quarterly; Spot check monitoring the measure the project Project Manager Y2, Y3 Quarterly report Project Manager Y1, quarterly; Y2, Y3 Coordination meeting of the project Project Manager Y1, 4 th -month* management unit with the steering 7,500.00 Y1, Y2, Y3 * PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 * End line survey Researcher 20,000.00 * * Pocumentation of achievements from program's indicators and targets Y2 Midterm evaluation Y2, 8 th -month * Kinderm evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile External consultant <td< td=""><td>(2 month, 1 team researcher)</td><td>external consultant</td><td></td><td></td></td<>	(2 month, 1 team researcher)	external consultant		
(bimonthly) M&E Specialist Y2 and Y3 Spot check monitoring the measure the progress output (quarterly) PME Unit and 10,000.00 Y1: quarterly progress output (quarterly) Internal Audit Y2, Y3 Quarterly report Project manager None Y1 (quarterly); Quarterly report Project Manager Y1, 4 th -month management unit with the steering committee in the national and district level 7,500.00 Y1, Y2, Y3 PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2.6 th month Midterm evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00	Regular monitoring to the field	Project Manager	15,000.00	Y1: bimonthly,
Spot check monitoring the measure the progress output (quarterly) PME Unit and 10,000.00 Y1: quarterly * progress output (quarterly) Internal Audit Y2, Y3 Quarterly report Project manager None Y1 (quarterly); Quarterly report Project manager None Y1 (quarterly); Quarterly report Project Manager Y2, Y3 Coordination meeting of the project Project Manager Y1, 4 th -month * management unit with the steering 7,500.00 * committee in the national and district PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 * End line survey Researcher 20,000.00 * * Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2.6 th month * Midterm evaluation PME Unit and 20,000.00 Y2.6 th month * External consultant External consultant * * Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00 *	(bimonthly)	M&E Specialist		Y2 and Y3
progress output (quarterly) Internal Audit Y2, Y3 Quarterly report Project manager None Y1 (quarterly); Quarterly report Project manager None Y1 (quarterly); Quarterly report Project Manager Y2, Y3 Coordination meeting of the project Project Manager Y1, 4 th -month* management unit with the steering 7,500.00 committee in the national and district Project Manager 12,000.00 level PMU coordination meeting including the Project Manager 12,000.00 PMU coordination meeting including the Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 Pocumentation of achievements from 20,000.00 program's indicators and targets Midterm evaluation PME Unit and 10,000.00 Y2.6 th month * Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile External consultant TOTAL INDICATIVE COST 130,500.00	Spot check monitoring the measure the	PME Unit and	10,000.00	Y1: quarterly ◄
Quarterly report Project manager None Y1 (quarterly), Coordination meeting of the project Project Manager Y2, Y3 Coordination meeting of the project Project Manager Y1, 4 th -month + management unit with the steering 7,500.00 committee in the national and district Project Manager 12,000.00 Ievel PMU coordination meeting including the Project Manager 12,000.00 Field staff (2x/year) Researcher 20,000.00 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2.6 th month + Kitterm evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00	progress output (quarterly)	Internal Audit		Y2, Y3
Coordination meeting of the project Project Manager Y1, 4 th -month* management unit with the steering 7,500.00 committee in the national and district 7,500.00 level PMU coordination meeting including the Project Manager 12,000.00 PMU coordination meeting including the Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets 20,000.00 Midterm evaluation PME Unit and 10,000.00 Y2.6 th month * Final evaluation PME Unit and 20,000.00 Y3, 3 rd quartile Final evaluation PME Unit and 20,000.00 Y3, 3 rd quartile TOTAL INDICATIVE COST 130,500.00	Quarterly report	Project manager	None	Y1 (quarterly),
Coordination meeting of the project Project Manager Y1, 4 th -month* management unit with the steering committee in the national and district level 7,500.00 * PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 * Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Y2.6 th month * Midterm evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00 *				Y2, Y3
management unit with the steering committee in the national and district level 7,500.00 PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets 30,000.00 Midterm evaluation PME Unit and External consultant 10,000.00 Y2.6 th month Final evaluation PME Unit and External consultant 20,000.00 Y3, 3 rd quartile TOTAL INDICATIVE COST 130,500.00	Coordination meeting of the project	Project Manager		Y1, 4th month ∢
committee in the national and district level PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets 30,000.00 Midterm evaluation PME Unit and External consultant 10,000.00 Y2 6 th month Final evaluation PME Unit and External consultant 20,000.00 Y3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00	management unit with the steering		7,500.00	
level PMU coordination meeting including the Project Manager 12,000.00 Y1, Y2, Y3 Field staff (2x/year) Researcher 20,000.00 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets 30,000.00 Midterm evaluation PME Unit and 10,000.00 Y2.6 th month Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile Frinal evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00	committee in the national and district			
PMU coordination meeting including the field staff (2x/year) Project Manager 12,000.00 Y1, Y2, Y3 End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets 30,000.00 Midterm evaluation PME Unit and 10,000.00 Y2 6 th month Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile Final evaluation PME Unit and 20,000.00 Y3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00	level			
field staff (2x/year) Researcher 20,000.00 Image: Indicators and targets 30,000.00 Image: Indicators and targets Pocumentation of achievements from program's indicators and targets PME Unit and 10,000.00 Midterm evaluation PME Unit and 10,000.00 ¥2.6 th month Image: Indicators and targets Final evaluation PME Unit and 20,000.00 ¥3, 3 rd -quartile Final evaluation PME Unit and 20,000.00 ¥3, 3 rd -quartile TOTAL INDICATIVE COST 130,500.00 Image: Indicator indicator indicators	PMU coordination meeting including the	Project Manager	12,000.00	Y1, Y2, Y3 •
End line survey Researcher 20,000.00 Pocumentation of achievements from program's indicators and targets 30,000.00 • Midterm evaluation PME Unit and 10,000.00 ¥2.6 th month • External consultant External consultant • Final evaluation PME Unit and 20,000.00 ¥3, 3 rd -quartile External consultant • • • TOTAL INDICATIVE COST 130,500.00 •	field staff (2x/year)			
Pocumentation of achievements from program's indicators and targets 30,000.00 Midterm evaluation PME Unit and 10,000.00 ¥2.6 th month • External consultant External consultant 10,000.00 ¥2.6 th month • Final evaluation PME Unit and 20,000.00 ¥3, 3 rd quartile 10,000.00 10,000.00 Final evaluation PME Unit and 20,000.00 10,000.00 10,000.00 10,000.00 Front evaluation PME Unit and 20,000.00 10,000.00 10,000.00 10,000.00 Front evaluation PME Unit and 20,000.00 10,000.00 10,000.00 10,000.00	End line survey	Researcher	20,000.00	•
program's indicators and targets PME Unit and 10,000.00 ¥2.6 th month • Midterm evaluation External consultant Final evaluation PME Unit and 20,000.00 ¥3, 3 rd -quartile External consultant External consultant TOTAL INDICATIVE COST 130,500.00 • •	Documentation of achievements from		30.000.00	
Midterm evaluation PME Unit and 10,000.00 ¥2-6 th -month External consultant External consultant Final evaluation PME Unit and 20,000.00 ¥3, 3 rd -quartile External consultant External consultant Image: state of the	program's indicators and targets	•		
External consultant External consultant Final evaluation PME Unit and 20,000.00 ¥3, 3 rd -quartile External consultant TOTAL INDICATIVE COST 130,500.00	Midterm evaluation	PME Unit and	10,000.00	Y2 6th month ◄
Final evaluation PME Unit and 20,000.00 Y3, 3 rd quartile External consultant		External consultant		
External consultant 130,500.00	Final evaluation	PME Unit and	20,000.00	Y3, 3rd quartile
TOTAL INDICATIVE COST 130,500.00		External consultant		
	TOTAL INDICATIVE COST		130,500.00	•

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E. Include a results framework for the project proposal, including milestones, targets and indicators,

E. Table. Results Framework of The Project

A						
Hierarchy of	Indiantana	Deceline	Targets End of	Source of	Risk Assumption	-
Objective	<u>indicators</u>	Baseline	Project	Verification		
Project Objective:						-
To strengthen	1. Diversified and		• 50 percent of	• GIS Map	• Time period for	-
resilience of coastal	strengthened	Currently some	participating		<u>regional</u>	-
communities to	livelihoods of coastal	inundated rice	household having	• Quantitative survey	development	-
impact of climate	inundated	farming	diversified and	with village	planning is missed	
change and climate	communities.	permanently and	strengthened	members		•
extreme on	A	temporarily being	livelihoods of		Lack of	-
economic, social and	2. Reduced coastal	converted into fish	coastal inundated	Draft/Revised	commitment to	-
ecosystem.	erosion and	farm or	<u>communities</u>	Spatial Plan and	<u>develop</u>	
	degradation on river	abandoned.	A.1	Regional	coordination (both	
	bank.	A	• At least at the	Development	from targeted	4
	A	 Currently coastal 	same rate		district government	-
	<u>3. Strengthened</u>	erosion and	percentage of		or neighbouring	
	institutional capacity	inundation is	erosion and		district government	
	at district and village	increasing every	Inundated coastal		or provincial	
	level to reduce	<u>year.</u>	torgeted villegee		government).	
	<u>climate risk on</u>	A	targeteu villages.			
	livelinood, tood	• Regional	 Kov porcopo of 2 			
	security, and	development plan	 Rey persons or 5 rolovant district 			
	environment.	do not included	offices and 18			
	A Improved policy on	climate scenario	village			
	4. Improved policy on	and VA. Responds	administrative			
	plan and spatial plan	are limited and	have knowledge			
	pian and spatial pian	short term.	and awareness on			
		4	climate change			
			and adaptation			
			strategy and			
			actions.			-
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<u>Hierarchy of</u>	Indicators	Baseline	Targets End of	Source of	Risk Assumption		Formatted: Font: (Default) Arial, Bold
<u>Objective</u>	Indicators	Dascinic	Project	Verification			Formatted: Line spacing: Multiple 1.15 li
		Quantitative <u>measure for baseline will be conducted after Inception stage </u>	• Three type of policies is produced from three districts.	•_			Formatted: Left, Indent: Left: 0", Hanging: 0.13", Bull + Level: 1 + Aligned at: 0.25" + Indent at: 0.5"
		completed.				-	Formatted: Indent: Left: 0.12", No bullets or numbering
A							Formatted: Font: (Default) Arial
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Imponent A: Streng	ming resilience of co	astal community					Formatted: Font: (Default) Arial
	1 1 Perceptage of	- Currently	a EQ paraant of		Poor commitment		Formatted: Line spacing: Multiple 1.15 li
Strengthened	narticipating	• Currently knowledge on	• 50 percent of	with village	and consistency in		Formatted: Font: (Default) Arial
pacity in livelihood	household with	innovative	household with	members on	applying new method		Formatted: Line spacing: Multiple 1.15 li
tivities	diversified and	technology and	diversified and	existing technology	and technology		Formatted: Font: (Default) Arial
	strengthened	methods is limited.	strengthened	and methods			Formatted: Line spacing: Multiple 1.15 li
	livelihood	Quantitative baseline will be	livelihood.	Quantitative survey with village		١	Formatted: Indent: Left: 0", Hanging: 0.14", Bulleted Level: 1 + Aligned at: 0.25" + Indent at: 0.5"
		gathered through		members on			Formatted: Line spacing: Multiple 1.15 li
		survey after inception stage		applied innovative technology and			
		completed.		methods			
2 Strengthen resilier	nce of physical environr	completed.		<u>methods</u>			Formatted: Font: (Default) Arial

<u>Hierarchy of</u>	Indicators	Basolino	Targets End of	Source of	Risk Assumption	•
Objective	mulcators	Daseinie	Project	Verification		
2. Strengthened	2.1 Percentage of	 Currently basic 	 Two kilometers 	GIS Map	Lengthy	•
resilience of physical	area of coastal	and conventional	long of coastal line	A	administrative	•
environment	inundated village is	infrastructure (wall)	and 500 meters	• Photo	procedure from local	
	strengthened with	is mainly applied to	per village is	documentation	government for	
	sustainable	prevent high tide	strengthened to	A	improving physical	•
	technology and	flood and rainfall	prevent coastal	• Village	environment.	
	method.	flood. Quantitative	inundation and	Administrative		
		baseline will be	erosion with	Report on		
		gathered through	<u>community</u>	completed program		
		survey after	participation.	on improvement		
		inception stage		coastal and		
		completed.		<u>riverbank</u>		
A.3. Strengthen capac	city in reducing climate a	nd non-climate related c	lisaster risks			
<u>3. Strengthen</u>	3.1 Percentage of	 Currently most of 	 75 percent of 	Qualitative	Centralized (by	
capacity in reducing	villager member and	villages have no	villagers member	survey on coverage	district government)	
climate and non-	community covered	community-based	in at 18 villages	area for early	early warning is	
climate related	with climate-related	preparedness team	covered with	warning system.	applied.	
disaster risks	disaster risk	and early warning	climate-related			
	reduction system	<u>system.</u>	disaster risk			
	0.0 Number of allows		reduction system			
	<u>.3.∠ NUMBER OF VIIIAGE</u>					
	implements screened					
	<u>(organic and non-</u>					
	monogomont					
	management					+
A.4 Technical Suppor	t in conducting research	on impact and adaptation	on measure	I	I	•

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<u>Hierarchy of</u>	Indicators	Baseline	Targets End of Project	Source of Verification	Risk Assumption	-
4. Alternative	4.1 Regional	Currently long-term	• 3 district	Qualitative survey	none	-
livelihood concept in	government supports	livelihood concept	government	on community		1
inundated lands	concept of alternative	on inundated area	supports the	knowledge and		
available will be	livelihood in	at district level is	concept of	plan on alternative		
developed based on	inundated coastal	not available.	alternative	livelihood concept		
applicability and	lands.		livelihood in	in inundated lands		
sustainability in			inundated coastal			
accordance with			lands.			
affected communities						
5. District Health	5.1 Number of district	 Currently most of 	 3 of district health 	 Health strategic 	Time period for	•
strategic plan	health office	district level Health	office recognizes	plan,	district government	
recognize the	recognizes the	Office does not	the importance of		to develop strategic	-
importance of	importance of	integrate climate	integrating the	Regional	plan is missed	
integrating the	integrating the	change into health	adaptation action	development plan,	(before or after	
adaptation action	adaptation action	strategic plan.	plan into the health		project period).	-
plan into the health	plan into the health	2	sector program.	Health SOP,		
sector program	sector program.					
	A		• 12 village	Health program		
	5.2 Number village		administrative	document.		
	administrative		integrate			
	integrate		recommendation			
	recommendation into		into village level			1
	village level program		program			
Component B: Improve	ement on government po	blicy and program on clir	nate adaptation			•
B.1 Mainstreaming ada	aptation plan into regiona	al development plan				
						-

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Targets End of Hierarchy of Source of **Risk Assumption Baseline** Indicators **Objective** Project Verification 6.Synchronized 6.1 Climate risk and The districts of 3 districts adopted Climate scenario · Climate scenario is adaptation planning vulnerable Demak. Kudus and and integrate data VA, not detail enough into regional assessment adopted Jepara do not have up to district level adaptation actions Adaptation development plans by district climate scenario into regional Strategy, Regional for district government. data, vulnerable development plan. **Adaptation Action** government to make decision. assessment, and <u>report</u> 6.2 Number of adaptation Two (2) regional regional government governments has Regional Lack commitment adopted coordinated Consumption of planning to **Development Plan** of the regional plan on provision ground water is provide piped Project report government to piped surface water relatively high in surface water to integrated the VA to prevent further the coastal villages coastal villages. Minutes of data into the consumption on for domestic and discussion with the government plan ground water in home industry, related government coastal villages. Limited support *institutions* and supply for surface water, and program on inundated land 7.Developed policy 7.1 Long term Project report Currently there is 3 districts adopt and plan on unsolution for not the priority of the no policy long term solution inundated ruling district avoided community living in document on long Policy Paper for community inundated coastal government coastal and smal term solution for living in inundated document islands land is planned by community living in coastal land is district and provincial inundated coastal planned by district Documentation on government land. and provincial presentation of government policy paper to head of districts. C.1 Knowledge management

Amended in November 2013

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8.1 Number of multi- • One national level • Collaboration with 1 • Project report • Less interest of the 8Effective stakeholder forum at national and regional adaptation forum is existing multi- existing multi- management and level is established and endorsed the project action plan. Pekalongan, stakeholder forum at national and coverages Clipping of media to learn then knowledge resulted from the program. and Pekalongan and between the districts and the provincial state and information related to the data and information related to the issue of interesting adaptation to the clipation to the esource center for the data and on adaptation plan. esource center for the involvement of Civil Society and university becomes the on adaptation plan. esource center for esource center for <t< th=""><th><u>Hierarchy of</u> Objective</th><th>Indicators</th><th>Baseline</th><th>Targets End of Project</th><th>Source of Verification</th><th>Risk Assumption</th><th>•</th></t<>	<u>Hierarchy of</u> Objective	Indicators	Baseline	Targets End of Project	Source of Verification	Risk Assumption	•
to the issue of adaptation to the	SEffective knowledge management and learning exchange among the district of Jepara, Demak, Pati and Pekalongan and between the districts and the provincial level and national level and including the involvement of Civil Society and Universities	8.1 Number of multi- stakeholder forum at national and regional level is established and endorsed the project action plan. 8.2 University becomes the resource center for the data and information related to the issue of adaptation to the climate change.	One national level <u>adaptation forum is</u> <u>exist, and no</u> <u>similar forum at</u> <u>Pekalongan,</u> <u>Jepara and Demak</u> <u>District.</u>	Collaboration with 1 existing multi- stakeholder forum at national and 3 Number of multi- stakeholder forum at national and regional level is established and endorsed the project action plan. • 1 university becomes the resource center for the data and information related to the issue of adaptation to the	Project report Clipping of media <u>coverages</u>	Less interest of the government official to learn then knowledge resulted from the program. No budget allocated by the university to support the new research program on adaptation plan.	

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A			
Expected Outcomes	-Expected Outputs	Indicators	Target
Component A: Stren	igthening resilience of coastal comm	nunity	
A.1 Capacity in ecor			
1. Strengthened capacity in livelihood activities	 1.1 Participatory vulnerability assessment and community action developed and socialized to the impacted communities for the education on data collection and the dissemination of climate impacts on a local level. 1.2 Building community 	# Participatory vulnerability assessment # community action # socialization event to coastal village community # methods and	18 participatory vulnerability assessment;18 community action developed; 11 socialization event to coastal village community 4 methods and
	resilience by applying climate ingenious techonology and method on fishing and marine- culture 1.3 Pilot projects on innovative technology and methods to respond to impacts of climate change on fishing and marine-	# pilot projects on innovative technology and methods implemented in	18 pilot projects on innovative technology and methods implemented in
	culture	villages	villages
A.2 Strengtnen resilie	ence of physical environment		
2. Strengtnened resilience of physical environment	2.1 Identity sustainable technology and practices on environmental restoration and management to prevent coastal erosion and inundation	List of Sustainable technology and practice with detailed description and analysis	Une (1) List of sustainable technology and practice with detailed description and analysis
	2.2 Implemented sustainable technology and methods on environmental restoration and management	#sites implementing sustainable technology and methods on environmental restoration and management	18 sites implementing sustainable technology and methods on environmental restoration and management
	2.3 Regulation and plans developed at local level on resilience of physical environment for community engagement and inclusion	# regulation and plans at village level # regulation and plans at district level	12 regulation and plans at village level 1regulation or plan at village level
A.3. climate related	disaster risk reduction		
3. strengthen capacity in reducing climate- related disaster risks	3.1 Climate-related early warning system and procedures developed to adapt to the risk associated with frequent flooding and other climate related risk	# module on climate- related early warning system and procedures for village level	One (1) module on climate related early warning system and procedures for village level

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	3.1 Climate-related early warning system and procedures developed to adapt to the risk associated with frequent flooding and other climate related risk 3.3 Simulation on gender-	# village has climate- related early warning system and procedures # village involve in	12 village has climate- related early warning system and procedures
	groups in disaster preparedness contingency plan	simulation on climate- related early warning system and procedures	simulation on climate- related early warning system and procedures
A.4 Technical Supp	ort in conducting research on impac	t and adaptation measure	L
4. Alternative livelihood concept in inundated lands available will be developed based on applicability and sustainability in accordance with affected communities	4.1 Feasibility study on suitable livelihoold activities on inundated lands and Consultations with impacted communities	# report document of feasibility study on suitable livelihoold activities on inundated lands and Consultations with impacted communities	One (1) report document of feasibility study on suitable livelihoold activities on inundated lands and Consultations with impacted communities
5. District Health strategic plan recognize the importance of integrating the adaptation action plan into the health sector program	5.1 Recommendations generated from the research on community health in inundated lands	# district government and # village administrative received findings and recommendations generated from the research on community health in inundated lands	3 district government received and 12 village administrative receive findings and recommendations generated from the research on community health in inundated lands
Component B: Impro	wement on government policy and p	p rogram on climate adapt a	ation
B.1 Mainstreaming a 6.Synchronized adaptation planning into regional development plans	daptation plan into regional develop 6.1 Development convergence methodology on vulnerability assessment on climate change for Central Java.	ment plan # methodology document on convergence methodology on vulnerability asseesment on climate change for Central Java.	One (1) Methodology document on convergence methodology on vulnerability assessment on climate change for Central Java.
	6.2 Capacity building for regional government and local stakeholder in Central Java in developing climate change scenarios based on reliable data.	# participants from regional government and local stakeholder in Central Java participate in training on VA and developing adaptation action.	25 participants from regional government and local stakeholder in Central Java participate in training on VA and developing adaptation action.

B.2: Long-term-polic 7.Developed policy and plan on un-	 6.3 Vulnerability assessment which will provide a baseline of new data for the Local Action Plan creation for districts/cities in Central Java 6.4 Adaptive measures taken into regional development plan by providing reliable data and educatiing policy makers on risk, cost and benefits. y and program on inundated land 7.1 Comprehensive study on long form occonemic cost of living 	# report document on Vulnerability Assessment and Local Action Plan at district level in Central Java # district has integrate adaptive measures into regional development plan	Three (3) report document on Vulnerability Assessment and Local Action Plan at district level in Central Java Three (3) districts has integrate adaptive measures into regional development plan
avoided inundated coastal	in inundated coastal versus relocation and alternative land- use of inundated land	on long-term economic cost of living	study on long term economic cost of living
	7.2 Policy Paper on inundated areas for the development of legal framework on land rights in inundated coastal land, including dispute settlement.	# policy paper for district on inundated areas for the development.	Three (3) policy paper for district on inundated areas for the development.
Component C: Know	ledge Management		
C.1 Knowledge man	agement		
8Effective knowledge management and	8.1 Multi-stakeholder forum at national and regional established and functioning in	# multi-stakeholder forum at national	1 multi-stakeholder forum at national
learning exchange among the district	building supervising the project implementation, supporting the superay and collaborative work	# Multi-stakeholder forum at provincial	1 Multi-stakeholder forum at provincial
and Pekalongan and Detween the districts and the provincial level and national level and including the involvement of Civil Society and Universities	with other related ministries and sectors, lead the sharing knowledge and good practices with other institution and communities	# Multi-stakeholder forum at district	3 Multi-stakeholder forum at district

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F. Demonstrate	e how the project / progra	mme aligns with	the Results Frame	work of the	Formatted: Font: 11 pt
Adaptation F	Fund (budget per Outcome da	an Output) FS			
				•	Formatted: Line spacing: Multiple 1.15 li
Project	Project Objective	Fund Outcome	Fund Outcome	<u>Grant</u> ←	Formatted Table
Objective(s) ¹	Indicator(s)		Indicator	<u>Amount</u>	
				<u>(USD)</u>	
Project Objec	tive: <u>1. Diversified and</u>	Outcome 1:	1. Relevant threat	4,075,005	Formatted: Font: Bold
Strengthened	strengthened	Reduced	and hazard		Formatted: Font: Not Bold, No underline
resilience of	livelihoods of coastal	exposure to	information		Formatted: Font: Not Bold, No underline, Indonesian
<u>coastal</u>	Inundated	climate-related	generated and		
impact of clima	<u>communities.</u>	throate	disseminated to		
change and cli	imate 2. Reduced coastal	<u>imeats.</u>	timely basis		Promo atta da Ta da a seisa
extreme on	erosion and	A Outcome 2:			Formatted: Indonesian
economic, soc	ial degradation on river	Strengthened	2.1. Capacity of staff		Formatted: Indonesian
and ecosystem	n. <u>bank.</u>	institutional	to respond to, and		
	- 3 Strengthened	capacity to	mitigate impacts of,		
	institutional capacity at	reduce risks	climate-related		
	district and village level	associated with	events from targeted		
	to reduce climate risk	climate-induced	institutions		
	on livelihood, food	socioeconomic	increased.		
	security, and	and	A		Formatted: Indonesian
	environment.	environmental	3.1. Percentage of		
	4. Improved policy on	losses.	targeted population		
	regional development	A Outcome 2:	aware of predicted		Formatted: Indonesian
	plan and spatial plan.	Strengthened	climate change and		Formatted: Indonesian
		awareness and	of appropriate		
		ownership of	responses.		
		adaptation and			Formatted: Indonesian
		climate risk	3.2. Percentage of		
		reduction	targeted population		
		processes at	applying appropriate		
		local level.	adaptation		
		_	responses.		Formatted: Indonesian
		Outcome 4:			
		Increased	4.1. Responsiveness		
		adaptive	or development		
		capacity within	Sector SerVICes TO		
		development	changing and		
		sector services	variable climate		
		and			Formatted: Indonesian
		infrastructure	5. Ecosystem		
		assets.	services and natural		Formatted: Indonesian
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<u>The AF utilized OECD/DAC terminology for its results framework. Project proponents may use different terminology but the overall principle should still apply</u>

		Outcome 5:	resource assets		
		Increased	maintained or		
		ecosystem	improved under		
		resilience in	climate change and		
		response to	variability-induced		
		climate change	stress.		
		and variability-			Formatted: Indonesian
		induced stress.	6.1 Percentage of		Formatted: Indonesian
			households and		Tornacted. Indonesian
		Outcome 6:	communities having		
		Diversified and	more secured		
		strengthened	access to livelihood		
		liveliboods and	access to inventiood		
			<u>assets.</u>		Formatted: Indonesian
		Sources or	6.2. Percentage of		
		income for	targeted population		
		vulnerable	with sustained		
		people in	climate-resilient		
		targeted areas.	altornativo		
		A	livelibaada		Formatted: Indonesian
		Outcome 7:	iiveiinoous.		Formatted: Indonesian
		Improved	7. Climate change		
		policies and	priorities are		
		regulations that	integrated into		
		promote and	national		
		enforce	dovelopment		
		resilience			
		mogeuroe	strategy ²		
		incasures.			
Project	Project Outcome	Fund Output	Eurod Output	Grant	
Project	Project Outcome	Fund Output	Fund Output	Grant	
Outcome(s)	Indicator(s)		Indicator	Amount	
				(USD)	
Outcome 1:	1.1 Percentage of	Output 3	3.1 Percentage of	1 219 300	Exemption Font: 10 nt
Strengthened	participating bousehold	Targeted	targeted population	<u>1,210,000</u>	
<u>ourengineneu</u>	with diversified and	nanyeleu			
livelihood activities	with diversified and	population	aware or predicted		
IIVEIINOOD ACTIVITIES	<u>strengtnenea</u>	<u>groups</u>	adverse impacts of		
	livelinood	participating in	climate change, and		
		adaptation and	ot appropriate		
		risk reduction	responses.		
		awareness			
		activities.	3.2. Percentage of		
			targeted population		Formatted: Indonesian
		Output 6:	applying appropriate		<u></u>
		Targeted	adaptation		
		individual and	responses.		
		community			
	1	<u>sommarity</u>			

² In the proposed programme, climate change priorities are integrated into sub-national (district) and village development strategy

	I					
		livelihood	6.1.1.No. and type of			
		strategies	adaptation assets			
		strengthened in	(tangible and			
		relation to	intangible) created or			
		climate change	strengthened in			
		impacts,	support of individual			
		including	or community			
		variability	livelihood strategies.			
					_	Formatted: Indonesian
			621 Type of			
			income sources for			
			households			
			apported upder			
			<u>generaleu unuer</u>			
			scenano.			
Outcome 2:	2.1 Percentage of area	Output 3:	3.1. Percentage of	<u>587,500</u>		Formatted: Font: 10 pt
Strengthened	or coastal inundated	<u>Largeted</u>	targeted population			
resilience of	village is strengthened	population	aware of predicted			
physical	with sustainable	groups	adverse impacts of			
environment.	technology and	participating in	climate change, and			
	method.	adaptation and	of appropriate			
		risk reduction	responses.			
		<u>awareness</u>				
		activities.	5.1. No. of natural			
			resource assets			Formatted: Indonesian
		Output 5:	created, maintained			
		Vulnerable	or improved to			
		ecosvstem	withstand conditions			
		services and	resulting from			
		natural resource	climate variability			
		assets	and change (by type			
		strengthened in	and scale)		_	Formatted Indension
		response to				Formatted. Indonesian
		climate change				
		impacts				
		inpacts,				
		worichility				
						Formatted: Indonesian
Outrans 0	0.4 Demonstrate of	Output 4 4 D' 1	4.0 No of comb	474.000		
Outcome 3:	3.1 Percentage of	Output 1.1: RISK	1.2. INO. OF EARLY	4/1,800		Formatted: Font: 10 pt
Strengthened	villager member and	and vulnerability	warning systems (by			Formatted: Not Highlight
capacity in	community covered	assessments	scale) and no. of			
reducing climate	with climate-related	conducted and	<u>beneticiaries</u>			Formatted: Not Highlight
and non-climate	disaster risk reduction	updated	covered.			Formatted: Indonesian
related disaster	<u>system.</u>	Output 1 2.				
<u>risks.</u>	_	Targeted	1.2.1. Percentage of			Formatted: Indonesian
	3.2 Number of village	nonulation	target population			Formatted: Not Highlight
	implements screened	population	covered by adequate			
1		groups covered	1	1		

	(organic and non-	by adequate risk	risk-reduction			
	organic) waste	reduction	systems.		Fc	ormatted: Not Highlight
	management.	systems.			Fc	prmatted: Indonesian
		Output 3: Targeted population groups participating in adaptation and risk reduction awareness activities,	3.1 No. of news outlets in the local press and media that have covered the topic.		Fc	ormatted: Indonesian
Outcome 4:	4 1 Regional	Output 1 1: Risk	1.1 No. of	54 000	E	rmatted. Font: 10 nt
Alternative livelihood concept in inundated lands	government supports concept of alternative livelihood in inundated	and vulnerability assessments conducted and	that conduct and update risk and	04,000	FC	irmatted: Font: 10 pt
available will be	coastal lands.	updated.	vulnerability		Fc	ormatted: Indonesian
developed based on applicability and sustainability in accordance with affected communities.		<u>Output 4:</u> <u>Vulnerable</u> <u>development</u> <u>sector services</u> <u>and</u> <u>infrastructure</u> <u>assets</u> <u>strengthened in</u> <u>response to</u> <u>climate change</u> <u>impacts</u> , <u>including</u> <u>variability</u> ,	assessments (by sector and scale). 4.1.1. No. and type of development sector services modified to respond to new conditions resulting from climate variability and change (by sector and scale)		Fc	ormatted: Indonesian
Outcome 5: District	5.1 Number of district	Output 1.1: Risk	<u>1.1. No. of</u>	144,500	Fc	ormatted: Font: 10 pt
Health strategic plan recognize the importance of integrating the adaptation action	health office recognizes the importance of integrating the adaptation action plan	and vulnerability assessments conducted and updated.	projects/programmes that conduct and update risk and vulnerability assessments (by		Fc	ormatted: Indonesian
plan into the health	into the health sector	Vulnerable	sector and scale).		_	
<u>sector program.</u>	5.1 Number village administrative integrate recommendation into village level program,	development sector services and infrastructure assets strengthened in response to	4.1.1. No. and type of development sector services modified to respond to new conditions resulting from climate variability		Fc	prmatted: Indonesian

		climate change impacts, including variability, <u>Output 7:</u> Improved	and change (by sector and scale). 7.2. No. of targeted development strategies with incorporated climate change priorities		Formatted: Indonesian Formatted: Indonesian
Outcome 6:	6.1 Climate risk and	integration of climate- resilience strategies into country ³ development plans.	enforced.	457,800	Formatted: Indonesian
Synchronized adaptation planning into regional development plans.	vulnerable assessment adopted by district government.	and vulnerability assessments conducted and updated, <u>Output 7:</u> Improved	projects/programmes that conduct and update risk and vulnerability assessments (by sector and scale).		Formatted: Indonesian
		integration of climate- resilience strategies into country development plans.	7.2. No. of targeted development strategies with incorporated climate change priorities enforced.		Formatted: Indonesian
Outcome 7: Developed policy and plan on un- avoided inundated coastal and small islands.	7.1 Long term solution for community living in inundated coastal land is planned by district and provincial government.	<u>Output 7:</u> <u>Improved</u> integration of climate- resilience strategies into country	2.1.2 No. of targeted institutions with increased capacity to minimize exposure to climate variability risks (by type, sector and scale).	<u>194,000</u>	Formatted: Font: 10 pt
		development plans.	7.1. No. of policies introduced or adjusted to address climate change risks (by sector).		Formatted: Indonesian Formatted: Indonesian Formatted: Indonesian

³ In the proposed programme, improved integration of climate-resilience strategies into district development plans

Outcome 8:	8.1 Number of multi-	Output 2:	7.2. No. of targeted development strategies with incorporated climate change priorities enforced. 2.1.2 No. of targeted	228,800	Formatted: Font: 10 pt
Effective knowledge management and learning exchange among the district	stakeholder forum at national and regional level endorsed the project action plan.	Strengthened capacity of national and sub-national centres and	institutions with increased capacity to minimize exposure to climate variability risks (by type, sector		
of Jepara, Demak and Pekalongan and between the districts, provincial	becomes the resource center for the data and information related to the issue of	networks to respond rapidly to extreme weather events.	and scale). 6.1.1.No. and type of adaptation assets		Formatted: Indonesian
and national level.	adaptation to the climate change.	<u>Output 6:</u> <u>Targeted</u> individual and community livelihood	(tangible and intangible) created or strengthened in support of individual or community livelihood strategies.		Formatted: Indonesian
		strategies strengthened in relation to climate change impacts, including variability	2.1.2 No. of targeted institutions with increased capacity to minimize exposure to climate variability		Formatted: Indonesian
		Output 2: Strengthened capacity of national and sub-national	and scale).		Formatted: Indonesian Formatted: Indonesian
		centres and networks to respond rapidly to extreme weather events.			Formatted: Indonesian

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Project Objective(s) ⁴	Project Objective Indicator(s)	Fund Outcome	Fund-Outcome Indicator	Grant Amount (USD)
Project Outcome(s)	Project Outcome Indicator(s)	Fund Output	Fund Output Indicator	Grant Amount (USD)
	-		- -	

G. Include a detailed budget with budget notes, a budget on the Implementing Entity management fee use, and an explanation and a breakdown of the execution costs.
Will be developed further during the proposal development stage.FS, BS,

Radjawali

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Position	<u>Unit</u>	Package	Duration	<u>Period</u>	Unit Cost	<u> </u>
Finance & Admin						
Manager 50%	<u>0.5</u>	pax	<u>36</u>	<u>month</u>	<u>2,250.00</u>	40,500.00
Finance & Admin						
Officer	<u>1</u>	pax	<u>36</u>	<u>month</u>	<u>1,200.00</u>	43,200.00
Field Finance &						
Admin Asst	<u>3</u>	pax	<u>36</u>	<u>month</u>	<u>500.00</u>	54,000.00
Total Management						
<u>Support</u>	_	_	_	_	_	<u>137,700.00</u>
_	_	_	_	_	_	_
Office space &						
utilities	0.15	<u>package</u>	<u>36</u>	<u>month</u>	<u>4,375.00</u>	23,625.00
Communication						
Communication	<u>0.15</u>	package	<u>36</u>	<u>month</u>	<u>2,221.00</u>	<u>11,993.40</u>
Stationaries,	<u>0.15</u>	package	<u>36</u>	<u>month</u>		

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*-The AF-utilized OECD/DAC terminology for its results framework. Project proponents may use different terminology but the overall principle should still apply

sundries					<u>2,018.00</u>	<u>10,897.20</u>
<u>Equipment</u>	<u>1</u>	package	<u>1</u>	time	<u>10,000.00</u>	<u>10,000.00</u>
Total Office						•
Support Support	_	_	_	_	_	<u>56,515.60</u>
Total Programme Exe	ecution C	<u>ost</u>	_	_	_	<u>194,215.60</u>

H. Include a disbursement schedule with time-bound milestones.

H. <u>Will be developed further during the proposal development stage</u>, FS, BS, Radjawali

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PART IV: ENDORSEMENT BY GOVERNMENT AND CERTIFICATION BY THE IMPLEMENTING ENTITY

A. Record of endorsement on behalf of the government⁵ Provide the name and position of the government official and indicate date of endorsement. If this is a regional project/programme, list the endorsing officials all the participating countries. The endorsement letter(s) should be attached as an annex to the project/programme proposal. Please attach the endorsement letter(s) with this template; add as many participating governments if a regional project/programme:

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	Date: July, 28, 2016	 Formatted: Font: 11 pt
Dr. Ir. Nur Masripatin M.For. Sc		 Formatted: Font: 11 pt
Director General for Control of Climate Change		

B. Implementing Entity certification Provide the name and signature of the Implementing Entity Coordinator and the date of signature. Provide also the project/programme contact person's name, telephone number and email address

I certify that this proposal has been prepared in accordance with guidelines provided by the Adaptation Fund Board, and prevailing National Development and Adaptation Plans Decree No. 2015; P.13/Menlhk/Setjen/OTL.0/1/2016; (President 16 vear P.33/Menlhk/Setjen/Kum.1/3/2016; Intended Indonesia Nationally Determined Contribution/INDC; COP 21 Paris Agreement signed by Government of Indonesia; Book and Map of Information System of Vulnerability Index Data (SIDIK); Permen-KP No. 2 year 2013; Climate Change Adaptation National Action Plan) and subject to the approval by the Adaptation Fund Board, commit to implementing the project/programme in compliance with the Environmental and Social Policy of the Adaptation Fund and on the understanding that the Implementing Entity will be fully (legally and financially) responsible for the implementation of this project/programme.

Monica Tanuhandaru

Executive Director of Partnership for Governance Reform in Indonesia (Kemitraan) Implementing Entity Coordinator

Date: July, 28, 2016	Tel. and email: +62-21-7279 9566;
	Monica.Tanuhandaru@kemitraan.or.id
Project Contact Person:	Dewi Rizki
Tel. And Email:	+62-21-7279 9566; Dewi.Rizki@kemitraan.or.id

^{6.} Each Party shall designate and communicate to the secretariat the authority that will endorse on behalf of the national government the projects and programmes proposed by the implementing entities.

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KEMENTERIAN LINGKUNGAN HIDUP DAN KEHUTANAN

Letter of Endorsement by Government

Our Ref : S. 252 / API/SET /PP1.0/7/2016

Jakarta, 28 July 2016

To: The Adaptation Fund Board c/o Adaptation Fund Board Secretariat Email: Secretariat@Adaptation-Fund.org Fax: 202 522 3240/5

Subject: Endorsement for "Building resilience of coastal and small islands villages and their communities to climate change and extreme climate, through applying smart adaptive measures, improvement on policy and institutional coordination"

In my capacity as designated authority for the Adaptation Fund in Indonesia, I confirm that the above national programme proposal is in accordance with the government's national 'priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in the vulnerable regions in Indonesia.

Accordingly, I am pleased to endorse the above programme proposal with support from the Adaptation Fund. If approved, the programme will be implemented by Partnership for Governance Reform in Indonesia (Kemitraan) and executed by the Government of Indonesia through the designated Directorate General for Climate Change Control at the Ministry of Environment and Forestry in Indonesia.

~ .

Sincerely,

Dr. Ir. Nur Masripatin M.For. Sc Director General for Climate Change Control