



NATIONAL ADVISORY BOARD
on Climate Change and Disaster Risk Reduction
GOVERNMENT OF VANUATU

PROJECT PROFILE FORM

NAB Project No [completed by NAB]
GIP code/Project No [obtain from DSPPAC]
Cost Centre/Activity No [obtain from Dept.]
Donor/DSPPAC file No [obtain from DSPPAC]

1. Project title: Enhanced Climate Resilience and Grid Connected Renewable Energy through Battery Storage	
2. Project description: The project consists of 5MWp solar photovoltaic (PV) plants with a 11.5 MW/6.75 MWh centralised battery energy storage system (BESS) with grid forming inverters (GIF) at Kawene, Undine Bay, and Bouffa in UNELCO's Port Vila, Efate concession area grid which serves approximately 30% of Vanuatu's population. The BESS will enhance climate resilience and stabilise grid integration of the PV plants. The project will also improve the reliability of the electricity supply to the water pumping station of Port Vila and thereby enhance the resilience of the water supply system. The project will contribute to Vanuatu's NDC target by doubling the current amount of grid integration of renewable energy and decreasing diesel fuel consumption by up to 32%.	
3. Approval sought: <input checked="" type="checkbox"/> Identification* <input type="checkbox"/> Concept <input type="checkbox"/> Funding Proposal *For identification of project, use first page only <input type="checkbox"/> Continuation of existing project	
4. Funding envelope: Concept note for a GCF Project	
5. Total funding (Vatu and USD) VUV 1,430,000,000 / USD 12,900,000	6. Access modality: To be determined
7. Implementing entity/organisation: To be determined	8. Executing entity/lead government agency: Department of Energy
9. Other government / partner agencies Ministry of Finance & Economic Management Utilities Regulatory Authority	10. Project contact details: Antony Garae, Department of Energy Frederic Petit, UNELCO
11. Location: Kawene, Undine Bay, Bouffa, and Tagabe in Port Vila, Efate	12. Duration: Years 2 months From 2023 to 2025
13. Theme(s): <input checked="" type="checkbox"/> Mitigation <input checked="" type="checkbox"/> Adaptation <input checked="" type="checkbox"/> Cross cutting <input type="checkbox"/> DRR / DRM	14. Climate/DRR relevancy (% of budget) <input checked="" type="checkbox"/> High (≥80%) <input type="checkbox"/> Medium (≥50%) <input type="checkbox"/> Low (≥25%) <input type="checkbox"/> Marginal (≥5%)
15. Sector(s) by ministry: <input type="checkbox"/> Agriculture, livestock, forestry, fisheries and biosecurity <input type="checkbox"/> Lands and natural resources (geology, mines, water) <input checked="" type="checkbox"/> Climate change adaptation, meteorology, geo-hazards, environment, energy and disaster management <input type="checkbox"/> Education and training <input type="checkbox"/> Finance and economic management <input type="checkbox"/> Foreign affairs, international cooperation and external trade <input type="checkbox"/> Health <input checked="" type="checkbox"/> Infrastructure and public utilities <input type="checkbox"/> Internal affairs (custom and culture, labour and employment services) <input type="checkbox"/> Justice and community services <input type="checkbox"/> Trade, tourism, industry and commerce <input type="checkbox"/> Youth and sports development	16. Scope: <input type="checkbox"/> Regional <input checked="" type="checkbox"/> National <input checked="" type="checkbox"/> Provincial <input type="checkbox"/> Community 17. Number of people impacted/affected: <input checked="" type="checkbox"/> Direct 83,371 <input type="checkbox"/> Indirect <input checked="" type="checkbox"/> Women 41,425 <input type="checkbox"/> Youth (<30 years) 51,721
	18. Project Type: <input type="checkbox"/> Capacity building <input type="checkbox"/> Community awareness <input type="checkbox"/> Disaster response <input type="checkbox"/> Field implementation <input type="checkbox"/> Formal education program <input type="checkbox"/> Funding - small grants <input type="checkbox"/> Informal training courses <input type="checkbox"/> Knowledge communication <input type="checkbox"/> Pilot / trial / demonstration Project <input type="checkbox"/> Planning and governance <input type="checkbox"/> Policy formulation and integration <input type="checkbox"/> Policy support <input type="checkbox"/> Research (feasibility study etc.) <input checked="" type="checkbox"/> Other: Infrastructure

STOP HERE IF PROJECT ONLY AT IDENTIFICATION STAGE

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<p>19. Project rationale: <i>[What is the rationale for the project? What is its strategic context? What is the primary need, and how was it identified? Is this program building on any previous activities, projects or policy?]</i></p>		
<p>20. Project objective against the baseline: <i>[What is the objective of the project? Describe the baseline scenario (i.e. emissions baseline, climate vulnerability baseline, key barriers, challenges and/or policies) and the outcomes and the impact that the project will aim to achieve in improving the baseline scenario. Refer to the logical framework and theory of change template below]</i></p>		
<p>21. Policy coherence and alignment: <i>[provide details as to how the project aligns with the National Sustainable Development Plan (pillar, goal and objective), the Climate Change and Disaster Risk Reduction Policy, and other policies, plans, strategies and priorities]</i></p>		
<p>22. Current status: <i>[progress to date and current activities]</i></p>		
<p>23. Market overview: <i>[If the project involves a particular market describe the products or services including the historical data and forecasts. If applicable, provide the key competitors with market shares and customer base. Also provide, if any, pricing structures, price controls, subsidies available and government involvement.]</i></p>		
<p>24. Implementing / executing entity background / justification: <i>[Quality of the management team, overall strategy, financial profile, equity investment, management, operations, production and marketing]</i></p>		
<p>25. Institutional / implementation arrangements: <i>[Governance structure of the project, organisation structure, roles and responsibilities of the project management unit, steering committee, executing entities and flow of funds structure. construction and supervision methodology with key contractual agreements, operational arrangements with key contractual agreements following the completion of construction]</i></p>		
<p>26. Results Areas <i>[GCF projects only]</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Reduced emissions from (mitigation):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Energy access and power generation <input type="checkbox"/> Low emission transport <input type="checkbox"/> Buildings, cities, industries & appliances <input type="checkbox"/> Forestry and land use </td> <td style="width: 50%; vertical-align: top;"> <p>Increased resilience of (adaptation):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Most vulnerable people and communities <input type="checkbox"/> Health/well-being, & food/water security <input type="checkbox"/> Infrastructure and built environment <input type="checkbox"/> Ecosystems and ecosystem services </td> </tr> </table>	<p>Reduced emissions from (mitigation):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Energy access and power generation <input type="checkbox"/> Low emission transport <input type="checkbox"/> Buildings, cities, industries & appliances <input type="checkbox"/> Forestry and land use 	<p>Increased resilience of (adaptation):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Most vulnerable people and communities <input type="checkbox"/> Health/well-being, & food/water security <input type="checkbox"/> Infrastructure and built environment <input type="checkbox"/> Ecosystems and ecosystem services
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<p>27. Expected performance against investment criteria <i>[GCF projects only] [brief description]</i></p> <ul style="list-style-type: none"> a) Impact Potential: <i>[Potential of the project to contribute to the achievement of the GCF's objectives and result areas]</i> b) Paradigm Shift Potential: <i>[Degree to which the proposed activity can catalyse impact beyond a one-off project investment]</i> c) Sustainable Development Potential: <i>[Environmental, social and economic co-benefits, including gender-sensitive development impact]</i> d) Needs of the Recipient: <i>[Vulnerability and financing needs of the beneficiary country and population]</i> e) Country Ownership: <i>[Beneficiary country's ownership of, and capacity to implement, a funded project]</i> f) Efficiency and Effectiveness: <i>[Economic and financial soundness of the project]</i> 		
<p>28. Consultation <i>[Specify the plan for multi-stakeholder engagement, and what is been done so far in this regard, e.g. National, Provincial, Community, Civil Society, Private Sector]</i></p>		
<p>29. Potential overlaps / duplication to be resolved: <i>[What related projects are being undertaken in the area?]</i></p>		
<p>30. Technical feasibility/evaluation: <i>[Brief summary of technical feasibility of project. Will the project fund local staff? If so, where? Are there additional staff required (e.g. counterparts, proposed T/A Positions)? TOR must be included for all T/A positions.]</i></p>		

31. Economic and financial analysis/viability: <i>[Brief summary of the economic and financial viability of the project]</i>			
32. Financial management and procurement: <i>[Describe the project's financial management and procurement, including financial accounting, disbursement methods and auditing]</i>			
33. Environmental and social considerations: <i>[e.g. environmental and social impact safeguards / assessments, vulnerability framework]</i>			
34. Gender and social inclusion considerations: <i>[e.g. gender, disability, indigenous concerns, assessment of any benefits from project to women, youth, children and vulnerable groups]</i>			
35. Monitoring, reporting and evaluation: <i>[How will the project be monitored and evaluated? Provide project specific institutional and implementation arrangements for monitoring, reporting and evaluation. Provide methodologies for monitoring and reporting of the key outcomes of the project]</i>			
36. Sustainability measures: <i>[Exit strategy/ how will the project be sustained after project funding? What is the Vanuatu Government funding source? What is the future maintenance requirement? What are the future recurrent cost implications for the Government?]</i>			
37. Supporting documents <i>[where applicable]</i> <input type="checkbox"/> Budget template <i>[mandatory]</i> <input type="checkbox"/> Risk assessment <i>[mandatory]</i> <input type="checkbox"/> Logical framework <input type="checkbox"/> Concept note <input type="checkbox"/> Funding proposal <input type="checkbox"/> Financial analysis <input type="checkbox"/> Environmental analysis <input type="checkbox"/> Project timetable <input type="checkbox"/> Letter of support <input type="checkbox"/> Consultation evidence <input type="checkbox"/> Location map <i>[detailed plans where construction is involved]</i>			
38. Provincial consultation certification by implementing/executing entity <i>I certify that the Province has been consulted with and the project is consistent with the Provincial Governments Provincial Plan. I also confirm that I am not aware of any ongoing disputes or disagreements that may adversely impact on the implementation of the project. A letter of support is attached.</i> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Name</td> <td style="width: 33%;">Signature</td> <td style="width: 33%;">Date</td> </tr> </table>	Name	Signature	Date
Name	Signature	Date	
39. Director of Lead Government Agency <i>I certify I have checked the project profile, and any other supporting information for screening this project. I am satisfied that this project proposal is ready for presentation for approval.</i> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Name</td> <td style="width: 33%;">Signature</td> <td style="width: 33%;">Date</td> </tr> </table>	Name	Signature	Date
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40. DSPAC Sectoral Specialist sign off <i>I certify I have checked the project profile, and any other supporting information for screening this project. I am satisfied that this project proposal is ready for presentation for approval.</i> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Name</td> <td style="width: 33%;">Signature</td> <td style="width: 33%;">Date</td> </tr> </table>	Name	Signature	Date
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41. Director General's Certification <i>I certify that I have checked the project profile, and any other supporting information for screening this project. I am satisfied that this project proposal is ready for presentation for approval. I understand that no Government funding will be released for the project until the project has been approved by the appropriate government authorities, any additional government contribution has been appropriated, the approved donor funding has been released and a detailed project income and expenditure form has been submitted.</i> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Name</td> <td style="width: 33%;">Signature</td> <td style="width: 33%;">Date</td> </tr> </table>	Name	Signature	Date
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42. Logical framework (objectives, impacts, outcomes, outputs, activities and inputs) *

Objective [The theory of change represents the long-term vision of the project (adaptation, mitigation or disaster risk reduction) and how this can be achieved through short-, medium- and long-term changes]						
[Adaptation, mitigation, disaster risk reduction]	[Elaborate on the objectives to which the project contributes] [For GCF projects a shift to low-emission sustainable development pathways, or increased climate-resilient sustainable development]					
Expected Result	Indicator	Means of Verification	Baseline	Target		Assumptions
				Mid-term	Final	
Impacts (that contribute to the objective)						
[For GCF projects refer to the performance measurement framework]						
Project outcomes (that contribute to impacts)						
Project outputs (that contribute to outcomes)						
1.						
Activities	Description	Inputs		Description		
1.1		1.1.1.		[Expand tables as needed]		

*please use this format only if there is not a mandatory format required by the implementing/executing entity

43. Project budget summary (estimated in Vatu '000)

Items/component	Year 1	Year 2	Year 3	Year 4	Year 5	Total	% of Total
Loans [specify source]							
Grants [specify source]							
Aid in kind*							
Government of Vanuatu							
Other e.g. GCF, community							
expand table as needed							
Total							100%

* contributions made directly towards projects realisation such as equipment, materials, labour, T/A, building works, vehicles, time etc. and other quantifiable resources that count towards the achievement of the project results

44. Project component costs (estimated in Vatu '000)

Items/component	Year 1	Year 2	Year 3	Year 4	Year 5	Total	% of Total
Equipment/materials							
Personnel/staff/labour							
- e.g. technical assistance							
- e.g. local salaries							
Training/workshops etc.							
Travel							
expand table as needed							
Total							100%

This is for the main project components only. Not every cost needs to be specified. Other examples of components might be accommodation, vehicles, fuel, freight, allowances, VNPF contributions, telephone, computers, stationery, an implementing entity administrative fee (if included as part of the loan/grant), project monitoring, contracts, rent, printing, overheads etc.

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45. Project risk factors, mitigation measures, and assessment tool*

[Use tool to describe the financial, technical/operational, social/environmental and other risks that may prevent the project objectives from being achieved, and proposed risk mitigation measures.]

Selected Risk Factor 1				
Description	Risk category	Level of impact	Probability	Score
<i>[Description of risk factor, e.g. new government regulations, loss of key staff, delays in delivery of equipment etc.]</i>	Select <i>[financial, technical/operational, social/environmental, other]</i>	Select <i>[low <5% of project value, medium 5-20%, high >20%]</i>	Select <i>[low, medium, high]</i>	
Mitigation Measure(s)				
<i>[Describe how the identified risk will be mitigated or managed. Do the mitigation measures lower the probability of risk occurring? If so, to what level?]</i>				
Selected Risk Factor 2				
Description	Risk category	Level of impact	Probability	Score
	Select	Select	Select	
Mitigation Measure(s)				
Selected Risk Factor 3				
Description	Risk category	Level of impact	Probability	Score
	Select	Select	Select	
Mitigation Measure(s)				
Selected Risk Factor 4				
Description	Risk category	Level of impact	Probability	Score
	Select	Select	Select	
Mitigation Measure(s)				
<i>[Expand table as needed]</i>				
Total score (add all the scores and divide by the total number of risk factors)				
<i>[Describe other potential issues which will be monitored as “emerging risks” during the life of the project (i.e. issues that have not yet raised to the level of “risk factor” but which will need monitoring). This could include issues related to external stakeholders such as project beneficiaries or the pool of potential contractors.]</i>				

**These are project related risks, not broader, general, global climatic and environment risks*

	Probability	Low	Medium	High
Impact	Score	(1)	(2)	(3)
Low	(1)	1	2	3
Medium	(2)	2	4	6
High	(3)	3	6	9

Multiply the impact of each risk factor by the probability of each risk factor to give an individual risk factor score. Then add all the individual risk factor scores and divide by the number of risk factors to give an overall project risk score.

Key 1 Negligible 2 Minor 3 Moderate 4 Major 6 Severe 9 Extreme

History of the document

Version	Date	Nature of revision
1.0	NAB Meeting 9 February 2018	Initial endorsement

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