Monitoring & Evaluation (M&E) Plan and Impact Statement Form

Objective of the M&E Plan and Impact Statement:

- The M&E Plan and Impact Statement must be designed based on the Technical Assistance Response Plan and must enable the Implementer to complete the Closure Report at the end of the assistance.

Process for filling in the form:

- The Implementer must identify relevant quantitative and qualitative indicators as specified in the Closure Report. A sub-set of indicators to monitor and assess must be chosen among these.
- The Implementer may also identify other specific, measurable, achievable, relevant, and time-bound indicators suitable to monitor Activities, Outputs and anticipated Outcomes from the technical assistance and add to the M&E Plan and Impact Statement.
- During implementation of the TA or FTA, the Implementer must collect all relevant data as described in the Monitoring & Evaluation Plan. Aggregated data on selected indicators as well as an updated version of the Impact Statement will be presented in the Closure Report at the end of the assistance.

Basic Information	
Title of response plan	**FORMULATING A NATIONAL ELECTRICITY GRID CODE AND DEVELOPMENT OF A NET METERING POLICY IN TIMOR-LESTE**
Technical assistance reference number	**3100005838**
Country/ countries	**Timor-Leste**
NDE focal point and organisation	**Mr. Luis dos Santos Belo,** National Directorate for Climate Change, Ministry of Commerce, Industry and Environment
Sector(s) addressed	**Energy**
Technologies supported	Solar PV, Renewable energy resource mapping , Grid integration for renewables
Implementation period and total duration	**Jun-2024 to Dec-2025**
Total budget for implementation	**$232,690 USD**
Designer of the response plan	UNEP CTCN
Implementer of response plan	**Intelligent Energy Systems (IES) and Asia Management Consulting (AMC)**

(A) Outputs and Activities as described in the Response Plan	(B) Indicator	(C) Expected results	(D) Method and frequency for data collection	(F) Comments
Output 1: Add title from the Response Plan (e.g. CTCN planning and monitoring documents)	*Select relevant indicators from the Closure Report (at least one core indicator, section B). You may also define additional relevant indicators to be added.*	*Add the expected quantitative or qualitative target/value of the indicator (e.g. number of studies, policy recommendations, etc.).*	*Describe the expected method and frequency for data collection (e.g. survey, head count at a training workshop, application of a standard methodology etc.)*	*Describe any assumptions made or anticipated challenges for collecting quantitative and qualitative data*
Output 1: Development of the work plan and related communication documents	N/A	N/A	N/A	N/A
Activity 1.1: Work plan	N/A	N/A	N/A	N/A
Activity 1.2: Monitoring and evaluation plan	N/A	N/A	N/A	N/A
Activity 1.3: Impact description document (initial and final version)	N/A	N/A	N/A	N/A
Activity 1.4: Closure and Data Collection Report	N/A	N/A	N/A	N/A
Output 2: Solar Resource Data and Insights for Timor Leste	1. Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood). 2. Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and strengthened physical assets) 3. Number of Training organized by proponents and	1. One detailed Report on Solar Resource Data and Insights for Timor-Leste, which identifies optimal potential areas for developing distributed Solar PV, improving economic resilience and livelihoods by offering access to clean low-cost energy. 2. One detailed report on Solar contributing to the increasing resilience of infrastructure by	1. Qualitative assessment on the effectiveness of the Solar report contributing to policy and disseminating resources for advancing distributed energy uptake improving economic resilience. 2. Qualitative assessment on the effectiveness of the Solar report contributing to policy and disseminating resources for advancing distributed	1. Anticipated challenge in the time-scale difference between the Solar Resource Data report and its contributions to advancing distributed energy uptake improving economic resilience. 2. Anticipated challenge in the time-scale difference between the Solar Resource Data report and its

		implementing partners (gender disaggregated). 4. Total number of institutions trained. 5. Percentage of participants reporting satisfaction with CTCN training (gender disaggregated). 6. Percentage of participants reported increase knowledge, capacity and/or understanding as a results of CTCN training (gender disaggregated). 7. Total number of deliverables produced during the assistance.	supporting the development of distributed energy systems that are less reliant on utility-scale infrastructure that is vulnerable to climate change. 3. At least 20 total participants trained on Solar Resource mapping software, with at minimum 25% female. 4. At least 1 governmental institution trained. 5. At least 75% of participants (both men and women) reporting 4+ satisfaction from CTCN training on 5-pt scale. 6. At least 75% of participants (both men and women) reporting 4+ increased knowledge, capacity, and/or understanding from CTCN training on 5-pt scale. 7. Three total deliverables, including one final report document, one software tool dataset handedover, one set of training materials in Power Point and Excel.	energy uptake improving infrastructure resilience. 3. Head count at each training workshop, including gender disaggregated data. 4. Counting of participants from different government institutions. 5. Dissemination of satisfaction survey following completion of training, including gender disaggregated data. 6. Dissemination of increased knowledge, capacity, and/or understanding survey following completion of training, including gender disaggregated data. 7. Provision of all three expected total deliverables.	contributions to advancing distributed energy uptake improving infrastructure resilience. 3. Challenge to ensure at minimum a 25% share of training participants are female, as dependent on availability of government staff. 4. Assumption to be made that a single participant can represent a corresponding government institution. 5. Anticipated provision of survey to be provided in both English and official language. 6. Anticipated provision of survey to be provided in both English and official language. 7. Each of the three deliverables will be counted as part of a total package.
	Activity 2.1: Solar Resource Data and Insights for Timor Leste – Irradiance, and Solar Capacity Factors	**Sole activity linked to Output 2.**	**Sole activity linked to Output 2.**	**Sole activity linked to Output 2.**	**Sole activity linked to Output 2.**

Output 3: Net Energy Metering Policy for Timor Leste	1. Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood). 2. Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and strengthened physical assets) 3. Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance (both adaptation and mitigation). 4. Total number of events organized by proponents and implementing partners. 5. Number of participants in events organized by proponents and implementing partners (disaggregated by gender). 6. Total number of deliverables produced during the assistance.	1. Two Reports on Net Metering Policy for Timor-Leste, contributing to the economic viability of distributed Solar PV, which in turn improves economic resilience and livelihoods by offering access to clean low-cost energy. 2. Two Reports on Net Metering Policy for Timor-Leste, contributing to the economic viability of distributed Solar PV, which in turn supports the development of distributed energy systems that are less reliant on utility-scale infrastructure that is vulnerable to climate change. 3. One overarching policy and strategy framework that is supported by at least 6 specific recommendations on adaptation and mitigation. 4. One Net Energy Metering Policy for Timor-Leste – Workshop for Policymakers. 5. At least 20 total participants attending the workshop, with at minimum 25% female attendance. 6. Two final reports on Net	1. Qualitative assessment on the effectiveness of the two reports contributing to policy and disseminating resources for advancing distributed energy uptake improving economic resilience. 2. Qualitative assessment on the effectiveness of the two reports contributing to policy and disseminating resources for advancing distributed energy uptake improving infrastructure resilience. 3. Counting of overall policy strategy and number of specific policy recommendations on adaptation and mitigation. 4. Proof of workshop delivery, including photographs and accommodating workshop report. 5. Headcount of total participants (signed), which includes disaggregated gender information. 6. Provision of two final report deliverables, one accommodating excel model, and three associated	1. Anticipated challenge in the time-scale difference between the delivery of both reports and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving economic resilience. 2. Anticipated challenge in the time-scale difference between the delivery of both reports and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving infrastructure resilience. 3. Number of policy recommendations will be counted and split into adaptation and/or mitigation. 4. Achieving this indicator will rely on successful workshop delivery. 5. Anticipated challenge to ensure at minimum a 25% share of workshop participants are female, as dependent on final confirmation of availability

		Metering Policy for Timor-Leste, one accommodating excel-based model with results, and an additional three deliverables associated with the workshop (Power Point presentation material for the workshop, delivery of the workshop itself, and the post-workshop report).	workshop deliverables.	from invited guests. 6. Final deliverables will be marked as complete.
Activity 3.1: Net Energy Metering Policy for Timor Leste – Program Design Options	1. Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood). 2. Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and strengthened physical assets) 3. Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance (both adaptation and mitigation). 4. Total number of deliverables produced during the assistance.	1. One Report on Net Metering Policy for Timor-Leste – Program Design Options, contributing to the economic viability of distributed Solar PV, which in turn improves economic resilience and livelihoods by offering access to clean low-cost energy. 2. One Report on Net Metering Policy for Timor-Leste – Program Design Options, contributing to the economic viability of distributed Solar PV, which in turn supports the development of distributed energy systems that are less reliant on utility-scale infrastructure that is vulnerable to climate change. 3. One overarching policy and	1. Qualitative assessment on the effectiveness of the Net Metering Policy report contributing to policy and disseminating resources for advancing distributed energy uptake improving economic resilience. 2. Qualitative assessment on the effectiveness of the Net Metering Policy report contributing to policy and disseminating resources for advancing distributed energy uptake improving infrastructure resilience. 3. Counting of overall policy strategy and number of specific policy recommendations on adaptation and mitigation.	1. Anticipated challenge in the time-scale difference between the delivery of Net Metering Policy report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving economic resilience. 2. Anticipated challenge in the time-scale difference between the delivery of Net Metering Policy report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving infrastructure resilience. 3. Number of policy

			strategy framework that is supported by at least 6 specific recommendations on adaptation and mitigation. 4. One final report on Net Metering Policy for Timor-Leste – Program Design Options.	4. Provision of final report deliverable.	recommendations will be counted and split into adaptation and/or mitigation. 4. Final deliverable will be marked as complete.
	Activity 3.2: Net Energy Metering Policy for Timor Leste – Solar Project Payback Scenarios under Different NEM policies	1. Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood). 2. Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and strengthened physical assets) 3. Total number of deliverables produced during the assistance.	1. One Report on Net Metering Policy for Timor-Leste – Solar Project Payback Scenarios under different NEM Policies, contributing to the economic viability of distributed Solar PV, which in turn improves economic resilience and livelihoods by offering access to clean low-cost energy. 2. One Report on Net Metering Policy for Timor-Leste – Solar Project Payback Scenarios under different NEM Policies, contributing to the economic viability of distributed Solar PV, which in turn supports the development of distributed energy systems that are less reliant on utility-scale infrastructure that is vulnerable to climate change. 3. One final report on Net	1. Qualitative assessment on the effectiveness of the Solar Project Payback Scenarios under different NEM Policies report contributing to policy and disseminating resources for advancing distributed energy uptake improving economic resilience. 2. Qualitative assessment on the effectiveness of the Solar Project Payback Scenarios under different NEM Policies report contributing to policy and disseminating resources for advancing distributed energy uptake improving infrastructure resilience. 3. Provision of one final report deliverable and one accommodating excel-based model with results.	1. Anticipated challenge in the time-scale difference between the delivery of Solar Project Payback Scenarios under different NEM Policies report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving economic resilience. 2. Anticipated challenge in the time-scale difference between the delivery of Solar Project Payback Scenarios under different NEM Policies report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving infrastructure resilience. 3. The two final deliverables will

			Metering Policy for Timor-Leste – Solar Project Payback Scenarios under different NEM Policies, and one accommodating excel-based model with results.		be provided as a package.
	Activity 3.3: Net Energy Metering Policy for Timor Leste – Workshop for Policymakers	1. Total number of events organized by proponents and implementing partners. 2. Number of participants in events organized by proponents and implementing partners (disaggregated by gender). 3. Total number of deliverables produced during the assistance.	1. One Net Energy Metering Policy for Timor-Leste – Workshop for Policymakers. 2. At least 20 total participants attending the workshop, with at minimum 25% female attendance. 3. Three main deliverables are the Power Point presentation material for the workshop, delivery of the workshop itself, and the post-workshop report.	1. Proof of workshop delivery, including photographs and accommodating workshop report. 2. Headcount of total participants (signed), which includes disaggregated gender information. 3. Provision of three final deliverables (documented and organized in a package).	1. Achieving this indicator will rely on successful workshop delivery. 2. Anticipated challenge to ensure at minimum a 25% share of workshop participants are female, as dependent on final confirmation of availability from invited guests. 3. The workshop will be delivered directly, while the PowerPoint material and workshop report will be provided in a package of documents.
Output 4: Grid Code for DERs and IBRs in Timor Leste		1. Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood). 2. Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and	1. Two Reports on Grid Code for DERs and IBRs in Timor-Leste, contributing to the economic viability of distributed Solar PV, which in turn improves economic resilience and livelihoods by offering access to clean low-cost energy. 2. Two Reports on Grid Code for	1. Qualitative assessment on the effectiveness of the two Reports on Grid Code for DERs and IBRs in Timor-Leste contributing to policy and disseminating resources for advancing distributed energy uptake improving economic resilience.	1. Anticipated challenge in the time-scale difference between the delivery of the two Reports on Grid Code for DERs and IBRs in Timor-Leste and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy

	strengthened physical assets) 3. Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance (both adaptation and mitigation). 4. Number of Training organized by proponents and implementing partners (gender disaggregated). 5. Total number of institutions trained. 6. Percentage of participants reporting satisfaction with CTCN training (gender disaggregated). 7. Percentage of participants reported increase knowledge, capacity and/or understanding as a results of CTCN training (gender disaggregated). 8. Total number of deliverables produced during the assistance.	DERs and IBRs in Timor-Leste, contributing to the economic viability of distributed Solar PV, which in turn supports the development of distributed energy systems that are less reliant on utility-scale infrastructure that is vulnerable to climate change. 3. Two Grid Code studies that supports the design and development of Grid Code policy / laws / regulations. 4. At least 20 total participants trained on developing grid codes for distributed energy resources and bulk distribution grid code, with a minimum 25% female. 5. At least 1 governmental institution trained. 6. At least 75% of participants (both men and women) reporting 4+ satisfaction from CTCN training on 5-pt scale. 7. At least 75% of participants (both men and women) reporting 4+ increased knowledge, capacity, and/or understanding from CTCN training on 5-pt scale.	2. Qualitative assessment on the effectiveness of the two Reports on Grid Code for DERs and IBRs in Timor-Leste contributing to policy and disseminating resources for advancing distributed energy uptake improving infrastructure resilience. 3. Evaluating the contribution both reports may have in supporting the design and development of Grid Code policy / laws / regulations. 4. Head count at each training workshop, including gender disaggregated data. 5. Counting of participants from different government institutions. 6. Dissemination of satisfaction survey following completion of training, including gender disaggregated data. 7. Dissemination of increased knowledge, capacity, and/or understanding survey following completion of training, including gender disaggregated data. 8. Provision of final reports	uptake improving economic resilience. 2. Anticipated challenge in the time-scale difference between the delivery of Assessment of the two Reports on Grid Code for DERs and IBRs in Timor-Leste and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving infrastructure resilience. 3. Evaluation can consider the degree of specific guidance and analysis provided for designing Grid Code policy / laws / regulations. 4. Challenge to ensure at minimum a 25% share of training participants are female, as dependent on availability of government staff. 5. Assumption to be made that a single participant can represent a corresponding government institution. 6. Anticipated provision of survey to be provided in both

		8. Two final reports on Grid Code for DERs and IBRs in Timor Leste.	deliverable.	English and official language. 7. Anticipated provision of survey to be provided in both English and official language. 8. Final deliverables will be marked as complete.
Activity 4.1: Grid Code for DERs and IBRs in Timor Leste - Assessment of Current Grid Codes and Character of Service in Timor Leste	1. Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood). 2. Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and strengthened physical assets) 3. Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance (both adaptation and mitigation). 4. Total number of deliverables produced during the assistance.	1. One Report on Assessment of Current Grid Codes and Character of Service in Timor Leste, contributing to the economic viability of distributed Solar PV, which in turn improves economic resilience and livelihoods by offering access to clean low-cost energy. 2. One Report on Assessment of Current Grid Codes and Character of Service in Timor Leste, contributing to the economic viability of distributed Solar PV, which in turn supports the development of distributed energy systems that are less reliant on utility-scale infrastructure that is vulnerable to climate change. 3. One overarching Grid Code Assessment study that supports the design and	1. Qualitative assessment on the effectiveness of the Current Grid Codes and Character of Service in Timor Leste report contributing to policy and disseminating resources for advancing distributed energy uptake improving economic resilience. 2. Qualitative assessment on the effectiveness of the Current Grid Codes and Character of Service in Timor Leste report contributing to policy and disseminating resources for advancing distributed energy uptake improving infrastructure resilience. 3. Evaluating the contribution the report may have in supporting the design and development of Grid Code policy / laws / regulations. 4. Provision of final report deliverable.	1. Anticipated challenge in the time-scale difference between the delivery of Assessment of Current Grid Codes and Character of Service in Timor Leste report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving economic resilience. 2. Anticipated challenge in the time-scale difference between the delivery of Assessment of Current Grid Codes and Character of Service in Timor Leste report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving infrastructure resilience. 3. Evaluation can consider the

			development of Grid Code policy / laws / regulations. 4. One final report on Assessment of Current Grid Codes and Character of Service in Timor Leste.		degree of specific guidance and analysis provided for designing Grid Code policy / laws / regulations. 4. Final deliverable will be marked as complete.
	Activity 4.2: Grid Code for DERs and IBRs in Timor Leste - Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources	1. Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood). 2. Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and strengthened physical assets) 3. Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance (both adaptation and mitigation). 4. Number of Training organized by proponents and implementing partners (gender disaggregated). 5. Total number of institutions trained. 6. Percentage of participants reporting satisfaction with CTCN training (gender	1. One Report on Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources, contributing to the economic viability of distributed Solar PV, which in turn improves economic resilience and livelihoods by offering access to clean low-cost energy. 2. One Report on Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources, contributing to the economic viability of distributed Solar PV, which in turn supports the development of distributed energy systems that are less reliant on utility-scale infrastructure that is vulnerable to climate change. 3. One overarching Examination of Grid Support Functions from Inverter Based and	1. Qualitative assessment on the effectiveness of the Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources report contributing to policy and disseminating resources for advancing distributed energy uptake improving economic resilience. 2. Qualitative assessment on the effectiveness of the Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources report contributing to policy and disseminating resources for advancing distributed energy uptake improving infrastructure resilience. 3. Evaluating the contribution the report may have in supporting the design and	1. Anticipated challenge in the time-scale difference between the delivery of Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving economic resilience. 2. Anticipated challenge in the time-scale difference between the delivery of Assessment of Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources report and the translation of adopted policy in practice to evaluate its contributions to advancing distributed energy uptake improving

		disaggregated). 7. Percentage of participants reported increase knowledge, capacity and/or understanding as a results of CTCN training (gender disaggregated). 8. Total number of deliverables produced during the assistance.	Distributed Energy Resources study that supports the design and development of Grid Code policy / laws / regulations. 4. At least 20 total participants trained on developing grid codes for distributed energy resources and bulk distribution grid code, with a minimum 25% female. 5. At least 1 governmental institution trained. 6. At least 75% of participants (both men and women) reporting 4+ satisfaction from CTCN training on 5-pt scale. 7. At least 75% of participants (both men and women) reporting 4+ increased knowledge, capacity, and/or understanding from CTCN training on 5-pt scale. 8. One final report on Examination of Grid Support Functions from Inverter Based and Distributed Energy Resources.	development of Grid Code policy / laws / regulations. 4. Head count at each training workshop, including gender disaggregated data. 5. Counting of participants from different government institutions. 6. Dissemination of satisfaction survey following completion of training, including gender disaggregated data. 7. Dissemination of increased knowledge, capacity, and/or understanding survey following completion of training, including gender disaggregated data. 8. Provision of final report deliverable.	infrastructure resilience. 3. Evaluation can consider the degree of specific guidance and analysis provided for designing Grid Code policy / laws / regulations. 4. Challenge to ensure at minimum a 25% share of training participants are female, as dependent on availability of government staff. 5. Assumption to be made that a single participant can represent a corresponding government institution. 6. Anticipated provision of survey to be provided in both English and official language. 7. Anticipated provision of survey to be provided in both English and official language. 8. Final deliverable will be marked as complete.
Output 5: GCF concept note and in-person workshop	1. Anticipated amount of funding/investment leveraged (USD) as a result of TA (disaggregated by public,	1. Value of anticipated funding / investment leveraged (USD) to be determined upon delivery of GCF concept note.	1. Anticipated value to be derived directly from GCF concept note. 2. Proof of workshop delivery,	1. Expected values to be determined in close collaboration with all project counterparts.

		private, national, and international sources, as well as between anticipated/confirmed funding). 2. Total number of events organized by proponents and implementing partners. 3. Number of participants in events organized by proponents and implementing partners (disaggregated by gender). 4. Total number of deliverables produced during the assistance.	2. One GCF Concept Note and Project Wrap Up workshop 3. At least 20 total participants attending the workshop, with at minimum 25% female attendance. 1. Five main deliverables include the final GCF concept note, the Power Point presentation material for the workshop, delivery of the workshop itself, the post-workshop report, and a final deliverable package containing all submitted report documents and other information, datasets, and models.	including photographs and accommodating workshop report. 3. Headcount of total participants (signed), which includes disaggregated gender information. 4. Provision of five final deliverables (documented and organized in a package).	2. Achieving this indicator will rely on successful workshop delivery. 3. Anticipated challenge to ensure at minimum a 25% share of workshop participants are female, as dependent on final confirmation of availability from invited guests. 4. Final package of deliverables will be marked as complete.
	Activity 5.1: Development of 1 GCF Concept Note	1. Anticipated amount of funding/investment leveraged (USD) as a result of TA (disaggregated by public, private, national, and international sources, as well as between anticipated/confirmed funding). 2. Total number of deliverables produced during the assistance.	1. Value of anticipated funding / investment leveraged (USD) to be determined upon delivery of GCF concept note. 2. One final GCF concept note developed.	1. Anticipated value to be derived directly from GCF concept note. 2. Provision of final deliverable.	1. Expected values to be determined in close collaboration with all project counterparts. 2. Final deliverable will be marked as complete.
	Activity 5.2: In-person workshop and project wrap-	1. Total number of events organized by proponents and	1. One GCF Concept Note and Project Wrap Up workshop	1. Proof of workshop delivery, including photographs and	1. Achieving this indicator will rely on successful workshop

	up – Compiling training and final deliverables	implementing partners. 2. Number of participants in events organized by proponents and implementing partners (disaggregated by gender). 3. Total number of deliverables produced during the assistance.	2. At least 20 total participants attending the workshop, with at minimum 25% female attendance. 3. Four main deliverables are the Power Point presentation material for the workshop, delivery of the workshop itself, the post-workshop report, and a final deliverable package containing all submitted report documents and other information, datasets, and models.	accommodating workshop report. 2. Headcount of total participants (signed), which includes disaggregated gender information. 3. Provision of four final deliverables (documented and organized in a package).	delivery. 2. Anticipated challenge to ensure at minimum a 25% share of workshop participants are female, as dependent on final confirmation of availability from invited guests. 3. The workshop will be delivered directly, while the PowerPoint material, post-workshop report, and final project deliverable package will be provided.

Note: The Response Plan may contain information useful for the section below. The information in the table below will be used by the CTCN for public communication of the achieved and expected results of the Technical Assistance through the CTCN website www.ctc-n.org and other communication channels. See for example: https://www.ctc-n.org/sites/www.ctc-n.org/files/benin_a_ag_forestry.final_.pdf

Impact Statement	
Challenge	Timor-Leste's power system with a total installed capacity of 287 MW is almost entirely reliant on diesel powered generation sources. However, this method of generation creates sustained high energy prices, thus slowing the economic development especially for small businesses. The current metering policy and grid codes impedes the integration of distributed energy resources including solar as a cheaper alternative.
CTCN assistance	• *Build Solar resource capacity map for solar feasibility and capacity factors to inform solar potential in Timor-Leste* • *Develop a Net Metering Policy to increase power system flexibility and engagement of all participants in the market.* • *Formulation of Grid Code to encourage and enhance integration of Distributed Energy Resources (DER).* • *Provide training in both solar resourcing and policy framework to develop domestic technical capacity for future expansion on existing work.*
Anticipated impact	• Anticipated increased economic, health, well-being, infrastructure and built environment, and ecosystems resilience to climate change impacts as a result of technical assistance (#2) • Anticipated amount of funding/investment leveraged (USD) as a result of TA (disaggregated by public, private, national, and international sources, as well as between anticipated/confirmed funding) (#4)
Anticipated co-benefits from the TA	Solar PV generation can lower cost of electricity generation, and increase access to electricity for end users who cannot afford on-site back up generators or battery storage.
Gender aspects of the TA	The technical assistance will be supported by a gender analysis lead by gender specialist Retno Agustin. Stakeholders will be asked to ensure a fair gender balance in presentations and training programs as applicable. Equal opportunity should be provided to both men and women.
Anticipated contribution to NDC	• Commitment Area 1 – Climate Risk Governance • Commitment Area 3 – Low Carbon Development • Commitment Area 4 – Climate Change Adaptation and Resilience Building
The narrative story	Timor Leste has requested technical assistance to develop a net metering policy and grid code that encourage the integration of distributed energy resources. High electricity prices result in high end user costs including small businesses slowing economic growth. The CTCN technical assistance aims to clarify the solar resource potential and introduce policies to increase development of solar to reduce electricity costs and increase adoption of clean and reliable energy resource. The solar resource assessment will enable policymakers to quantify the level

	of solar potential in Timor Leste and allow for further study in the development of solar generation. By introducing a net energy metering policy, the uptake of solar would be encouraged through market-based mechanisms. The development of grid code for policymakers will ensure that the increase in distributed energy resources can be utilized in a stable and secure energy system. Government and EDTL staff will be trained on technical capabilities relating to solar resource modelling to enable local capacity in analyzing GIS data to further refine solar potential.
Contribution to SDGs	SDG13 Climate Action Solar resource assessment enables Timor-Leste to explore PV capacity building, reducing their reliance on diesel generators and thus reducing greenhouse gas emissions. The Net Metering Policy and Grid Code enhances Timor-Leste ability to transition to renewable energy at a standardized and national level. Overall, this technical assistance will assist Timor-Leste in achieving their NDC. SDG7 Affordable and Clean Energy The development of solar PV at utility and distributed levels could replace the existing expensive diesel generation with affordable, reliable and sustainable energy. Rural areas without existing infrastructure could achieve access to electricity through rooftop PV. SDG5 Gender Equality Small businesses, predominately owned by women, are disproportionately affected by higher electricity costs and often do not their own source of diesel generation. The development of solar could potentially provide women more opportunity in their day to day lives relating to energy. Additionally, this technical assistance will also engage with men and women equally including the training sessions.
Reference to knowledge products	*N/A*