

4th Project Board Meeting

BUILDING AN ENABLING ENVIRONMENT FOR SUSTAINABLE DEVELOPMENT IN CAMBODIA (BESD)

18 December 2020
VIRTUAL MEETING (ZOOM)



4th BESD Project Board Meeting Agenda

1. **Key Remarks** (UNDP, Sweden, NCSD/MOE)
2. **Session 1:** Overall progress of the project
3. **Session 2:** Project progress update, challenges in 2020 and 2021 workplan
4. **Session 3:** Updating the budget and challenges in 2020
5. **Session 4:** Project extension and proposed changes (Jan-Jun 2021)
6. **Approval** and Concluding Remarks



Session 1: Overall progress of the project

Presenter:

Mr., Keo Bunly, Project Coordinator,
BESD, GSSD



About the project

The overall objective is to assist Cambodia achieve the Sustainable Development Goals related to:

- Natural Resources Management (NRM)
- Circular economy (focused on waste management)
- Solar energy

The project designs and tests *innovative* environmentally sustainable models in targeted areas.

Based on project results, workable models are identified for scaling up.

Updated Joint Governance Mechanisms

Senior Beneficiary
NCDDS, MoE, MME

Executive
Chair of NCSD

Senior Suppliers
Sweden
UNDP

Project Management Unit (PMU)
Project Director – H.E. Dr. Tin Ponlok (NCSD)
Project Manager - Mr. Ma Chansethea

Project Assurance
Dr. Moeko Saito-Jensen, Environmental Policy Specialist
Ms. Nimnuon IvEk, Head of Policy and Innovation Unit

Project Contracted Staff
National Project Co-ordinator – Mr. Keo Bunly
Finance assistant: Ms. Ly Rattanakserey
Admin: Ms. Meas Sreythol

Technical Assistance
International technical specialists
(P4 – Dr. Moeko Saito Jensen (30%) & P5 – Butchaiah Gadde- 40%)
National technical specialists
(SB5 – Mr. Sony Oum (80%); SB4 – Mr. Va Vuthy (80%)
SB3- Sreykhuoch Kim – Project Assistant (100%)

Component 1: Sustainable NRM
Responsible party: MoE

CBNRM: GDLC & ADF
Sustainable financing for PAs: GSSD,
MoE, **MEF (new)**

Component 2: Circular Economy
Responsible party: NCDDS & **DGE/GSSD**

Municipality: NCDDS, GDEP/MoE, DGE/GSSD
Industry: H&M
Academia: RUPP, **NUM (new)**
Regulations: GDEP, DGE

Component 3: Solar PV
Responsible party: MME

Technical : GDE/MME, **DGE/GSSD**,
MoE, MEF
Innovation: EnergyLab

Decisions of the 3rd/virtual board meeting

No	Items	Status
1	The Project Board and implementing partners agreed to approve the budget revisions as well as proposed changes due to COVID-19	The budget revisions are implemented.
2	The proposed changes cover less than 10% among each component was notified to the board	This decision is implemented.
3	The additional injection of tree planting activities approved virtually by the board	The board accepted and 3rd budget revision was approved and implemented
4	BESD extension proposal and budget	This is implemented and approved by Sweden



Output 1: CBNRM institutions strengthened and financial resources mobilized for sustainable NRM

Key Achievements for CBNRM in 2020

- Livelihoods activities supported 92 households (water system)
- An area of CPA (**798 ha**) **expanded and demarcated**
- **5 CPAs** in Kulen strengthened and CPA *Prakas* and Management Plans drafted
- **97,800 trees** are planted to restore **131.93 ha** directly impacted on **2,114 workers** (47% women), of which **72 women-headed** households
- **45,000 flooded tree seedlings** produced and maintained

Key Achievements of PES in 2020

- Research on Kulen and Kbal Chay on **PES options, water assessment, and willingness to pay/donate** and biodiversity completed
- **Three Policy developments** completed/drafted:
 - Funding and benefit sharing mechanisms
 - Funding governance structure
 - PES Roadmap 2021-2030 drafted

Output 2: Circular Economy



Key Achievements in 2020

- **Municipal waste separation points** for Kep selected
- **Key policies drafted:**
 - Industrial On-site incinerator guideline and sub-degree o plastic management drafted
 - Circular Economy Strategy and Action Plan drafted
- **Mainstreaming environmental education/CE for schools** in coordination with CCCA (e.g. 3 teachers' manuals are being produced)
- **Mobilization of the private sector engagement** and fund to foster business led innovation for CE (e.g. marine plastic)
- **Green procurement and guidelines** adopted
 - Youth-led campaign against single-use plastic (RUPP, NUM)
 - Zero-plastic building
 - 5Rs are widely publicized in media and public awareness





Output 3: Solar Energy

Key Achievements in 2020

- Installation of **DC microgrids** at **three villages** to support **140 vulnerable**, unelectrified households
- **SHS technical guidelines** developed and printed
- Trained **20 technicians** on solar and basic maintenance skills
- Solar energy **Hackathon, Pre-Incubation and Incubation program** is ongoing
- **Re-allocation of solar PV** to support vulnerable communities/range station completed

Watch the BESD Video for Summary Results



Session 2: Project progress update, challenges in 2020 and 2021 workplan

Presenters:

1. **Mr. Ros Chor (NRM)**, Dept Director of Community Livelihoods, GDLC
2. **H.E Meng Monyrak (PES)**, Deputy Secretary General, GSSD
3. **Chhum Bunnara**, Head of PMSD, NCDDS
4. **Mr. Taing Meng Eang**, Department Director, DGE, GSSD
5. **H.E. Victor Jona**, Director General, General Department of Energy, MME





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Output 1: Natural Resource Management (NRM)

Output 1.1: Sustainable NRM & Community Livelihoods

Mr. ROS Chor

Department Director

Department of Community Livelihood, General Directorate of Local
Community, Ministry of Environment (MOE)



Key Update: Sustainable NRM & Community Livelihoods

1. Creation and strengthening of CPA networks

- Strengthened the capacity of a total of 130 Community Protected Areas (CPA) members (64 female) through networking and training events
- **15 posters** has been installed on site

2. CBNRM pilot support for Kulen Mountain

- **5 CPA by-law regulations** and **4 CPA Management Plans** developed
- **2,114 workers** (47% women), **72 women-headed households** in 3 provinces received cash-for-work from **97,800 tree planting (131 ha)** and **45K flooded seedlings**
- **37 households** and **100 students** are benefiting from a **solar water supply** in Po Pel and **13 families** participated in chicken and pig raising in Khlar Khum (ADF)
- **Tourism facilities** for the Popel CPA crated and **798 ha** of Khlah Khmum CPA were offiically **expanded and demarcated**, **11 banners** on tree planting installed.

Cash-for-Work: Tree planting as a Covid-19 response



Lessons learned and Priorities 2021

Lessons learned

- Networking and capacity building through on the job or peer learning is more effective for community
- Important to closely align project priorities with COVID-19 situation and response to build resilience for communities

Priorities for 2021

- Reinforce awareness raising and partnerships
- Vocational skills training will be provided to local communities in promoting organic farming and alternative and sustainable livelihood in line with PES programming activities



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Output 1: Natural Resource Management (NRM)

Output 1.2: Payment for Ecosystem Services (PES)

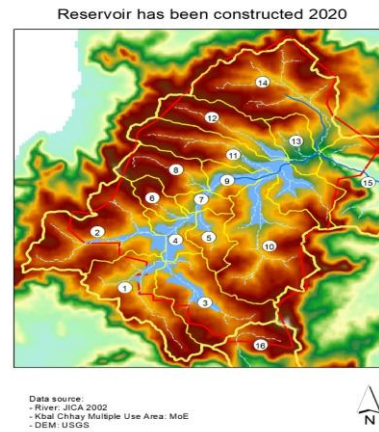
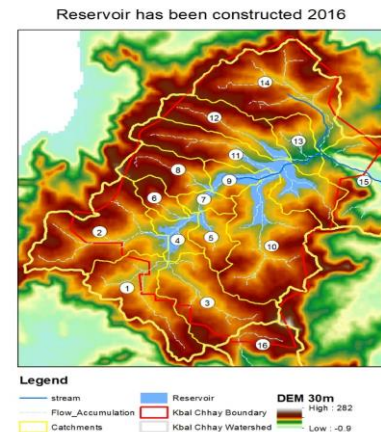
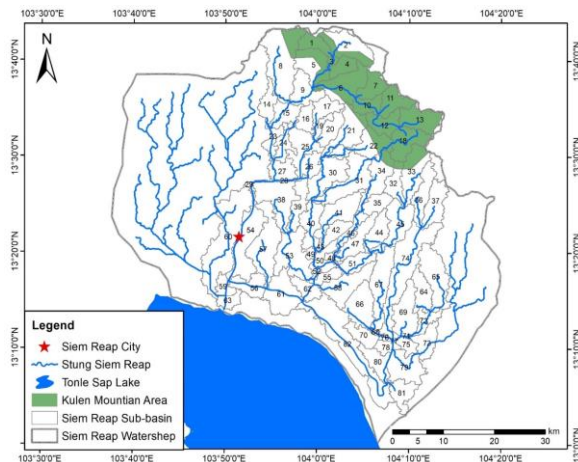
H.E. Meng Monyrak, Deputy Secretary General,
General Secretariate for Sustainable Development (GSSD),
National Council for Sustainable Development (NCSD)



Key update: PES

1. **Biodiversity and land-use baseline research** Kulen and Kbal Chhay completed
2. **Consultative meeting on PES/Biodiversity TWG** Inputs collected for policy documents
3. **Three Policy developments** completed/drafted:
 - Funding and benefit sharing mechanisms
 - Funding governance structure
 - National PES Roadmap 2021-2030 drafted and accepted at the TWG on 27 November 2020
4. **Media campaign and formation of provincial TWG on PES fund governance** for Kulen and Kbal Chhay are going

Some exmaples of results



Lessons Learned and Priorities 2021

Lessons learned

- PES is still an early stage which requires strategic communication and awareness raising among key stakeholders from supply and demand sides;
- Building trust and transparent fund governance is key to PES mobilization and operationalization
- During the pilot stage, donation from key private Champions and earmarked fund from the government plays a critical role for PES operationalization, especially during/post COVID time

Priorities for 2021

- Expansion and strengthening of CBNRM through CPA and restoration of key watersheds
- Operationalization of PES mechanism in Kbal Chhay and Phnom Kulen
- Development of a National PES strategy and Action Plan
- Development of strategic communication strategy and information materials

Watch the PES Video



Output 2: Circular Economy

Output 2.1:
Municipal pilot for circular economy (Kep)

Mr. CHHUN Bunnara

Head of Programme Management and Support Division,
National Committee for Sub-National Democratic Development Secretariat (NCDD-S)

Lessons Learned and Priorities 2020

Lessons learned

- **Municipal pilot:** Engaging provincial government was vital in the design and pilot of the waste sorting model, public procurement and law enforcement
- **Industrial pilot** of on-site waste to energy: Identified the critical need to institute measures to control safety and operation guidelines for on-site incinerator installation and maintenances

Priorities 2021

- **Municipal pilot:** Operationalise and test a workable circular economy model for a small city like Kep for replication (NCDDS)
- **Industrial pilot:** Implement monitoring mechanism/guidelines for on-site incinerators (SWMD) and regulations on plastic
- Strategic communication, awareness raising and private engagement

Watch the CE Model in Practice (KBC?)



Output 2: Circular Economy

Output 2.3-2.4:

Development of enabling policies and measures for circular economy

Mr. TAING Meng Eang

Department Director, Department of Green Economy,
General Secretariat of the National Council for Sustainable Development (NCSD)



Key update

Plastic & CE Interventions

Key interventions led by the Taskforce on plastic

- Awareness raising
- Research & policy development
- Stakeholder engagement

Strategic communication for awareness raising



Stakeholder Engagement



- **Kep and Kampong Cham Campaign**
- **National forum on plastic** mobilized over 130 participants and built a strategic coalition of to promote the shared goal of combatting plastic waste



Stakeholder Engagement



- **Four eco-friendly hotels/resorts in Kep** selected and awarded by MoE



- DMC/RUPP and NUM youth-led plastic campaigns



- Zero-plastic Building F at NUM endorsed

Research and Policy Development

▪ Research

- Assessment on COVID-19 impact on informal waste pickers and potential engagement strategies
- Four learning series events on plastic recycling, organic waste recycling, waste to energy, and circular economy conducted

▪ Policy

- Draft recommendations for regulations on single-use plastic
- Draft CE Strategy completed and being translated into Khmer
- Guidelines on small scale incinerator drafted
- Plastic communication and media plan developed
- Green procurement drafted

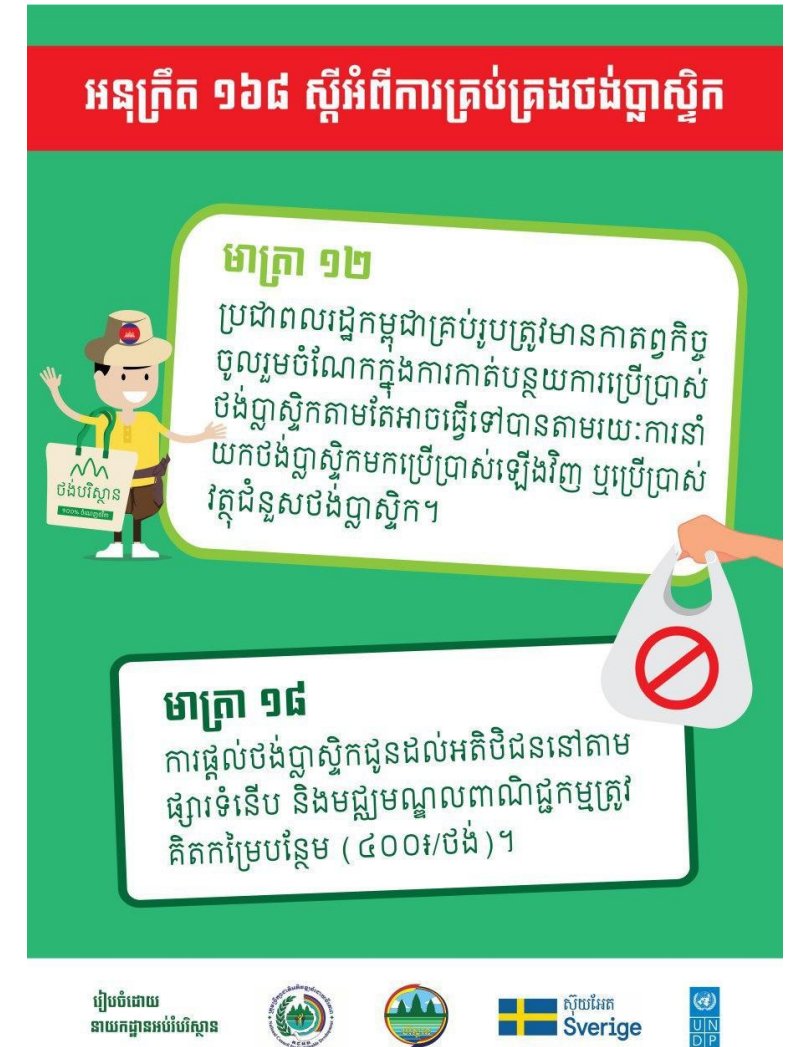
Lessons learned and Priorities 2021

Lessons learned

- Creating a CE business model requires a whole-society participation (government, society and businesses)
- Introducing new regulations require a phase-approach and implementation tailored to the local context
- Promotion of alternatives to plastic is key that government needs to build an enabling environment or de-risk investment/innovations

Priorities 2021

- Development of strategic Communication strategy and information materials
- Development of enabling policies and measures
- Development of signed-up strategies including programming and new partnership



Watch the Video on Plastic Awareness made by DoSWD





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Output 3: Solar Energy

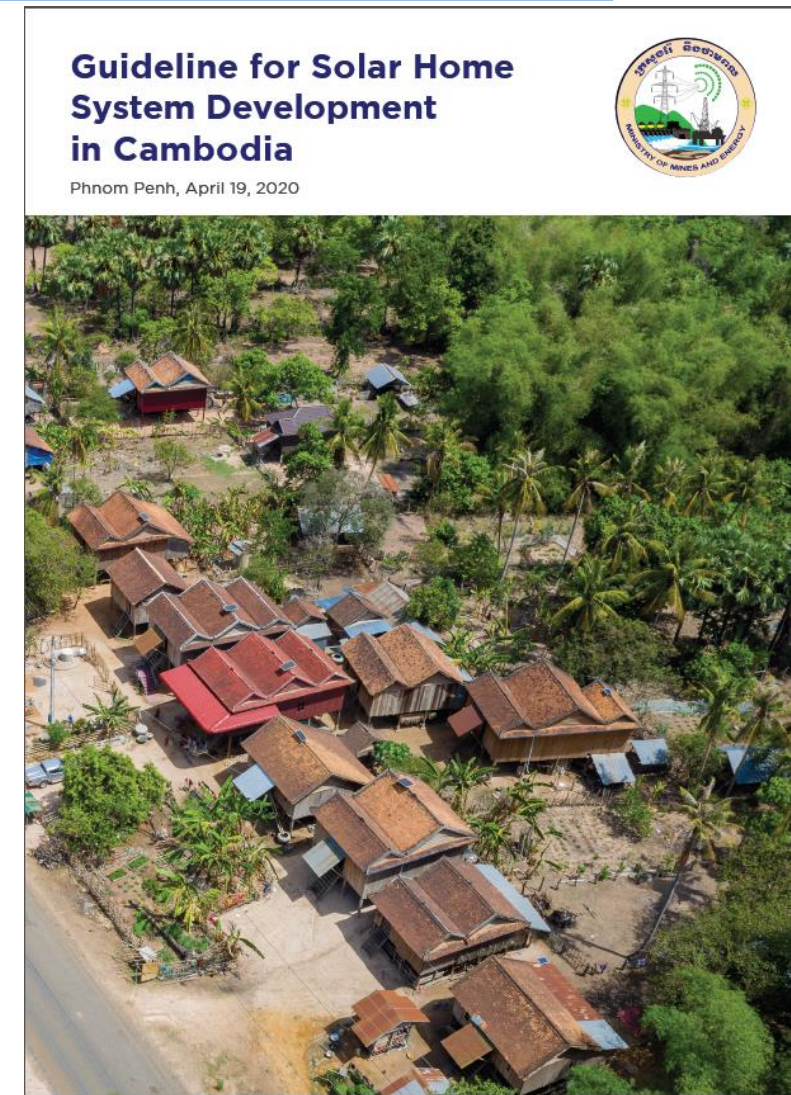
H.E. Dr. Victor Jona, Director General,
General Department of Energy, Ministry of Mines and
Energy (MME)

Output 3: Solar

Key Achievements in 2020:

- **Improving energy access for 140 households in 3 villages with DC microgrid**
- **Building technical capacity** for installation and maintenance of solar and awareness raising workshops (168 participants, of which 55 were female)
- The solar home system (SHS) guidelines finalized and printed
- **Business support** through solar energy Hackathon, Pre-Incubation and Incubation program – extended until 30 April 2021 at no-cost
- **Raising awareness** about solar through workshops and trainings (e.g. Solar home system (SHS) leaflet and videos)
- **Technical study and policy advocacy through economic appraisal** of the potential of PV Solar in Cambodia
- Installed 32kW solar AC off-grid system with Solar PV from MOE at **Sre Ampil** Community, Kdol Commune, Teukphos District, Kampong Chhnang Province

Strategic communication for awareness raising



Research and Policy Development

Research

- Delayed the launch of publication “Economic Appraisal of the Potentials of Solar Energy in Cambodia in Cambodia” to January 2021

Policy

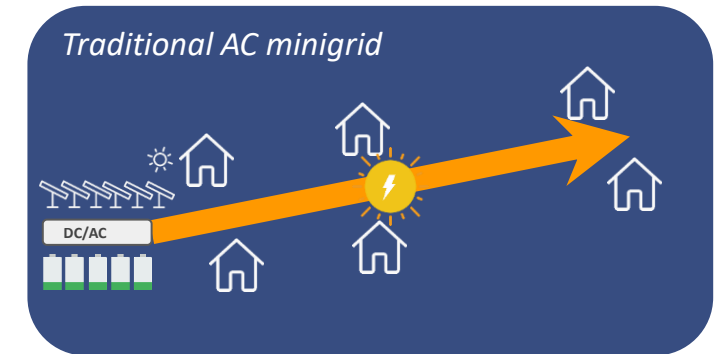
- Working closely with EAC to finalise a pricing structure for off-grid energy systems specifically, solar based DC micro-grids



Lessons learned and Priorities 2021

Lessons learned

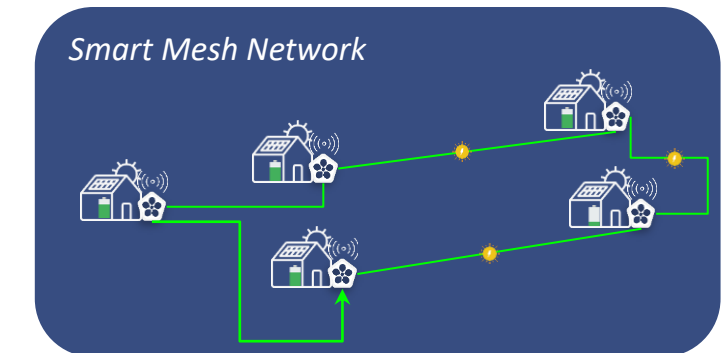
- Theory of change from traditional solutions such as SHS to an interconnected model of micro-grids/swarm grids
- There are numerous regulatory challenges to implement swarm grids in Cambodia



50x less power over
distribution line in mesh
network

Priorities 2021

- Business model of solar DC micro grid shall be fine-tuned further to suit the energy demands of vulnerable communities
- Develop localized energy efficiency design guidelines for new residential and commercial buildings (EE design guidebook)
- Pilot demonstration of energy efficiency solutions in one public building



Watch the Solar Video (GDE)



Update on Risks

- The Nov 3 and Nov 28 incidences have caused at least nine planned events to delay to be held next year.
- Virtual meetings remain challenging for consultative meetings and promotion of active participation.
- COVID situation has evolved rapidly regardless of the coming available vaccines.



**Session 4:
Project
Extension and
proposed
changes
(Jan-Jun 2021)**



Proposed Changes for Output 1

CBNRM

- Carry forward the unspent budget for maintenance of planted trees and development of maintenance and building capacity of communities in restoring key watershed to 2021
- Invest more in community-led and COVID-response activities in 2021
- Extend scope of community livelihood work to align with the BESD extension up to June 2021

PES

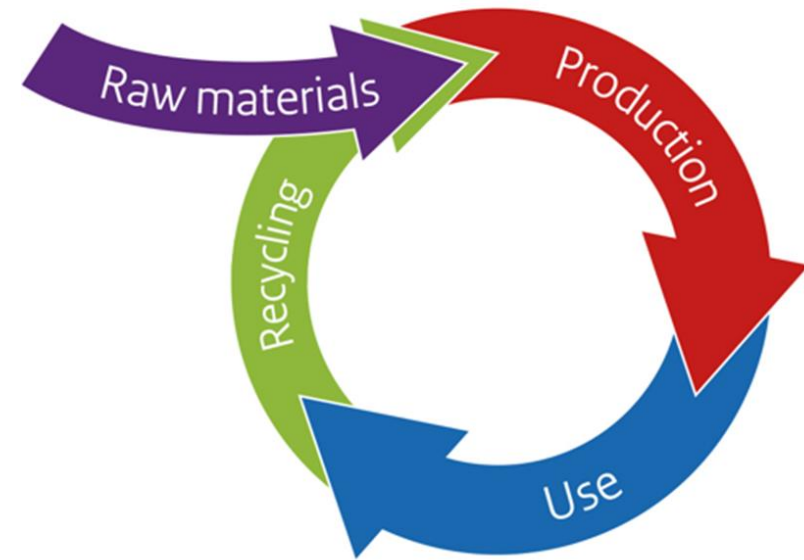
- Investment communication and media campaigns and material to mobilize PES funds, partnership and programming
- Fund for sub-national TWG and PES like livelihood activities (such as solar and water system, etc.)



Proposed Changes for Output 2

Municipal Waste Model

- Carry forward the unspent budget for exchange learning and waste separation stations to 2021 because of disruption of COVID-19 incidence
- Deka or Mechanism for waste management in Kep (added)
- Implement and participate in capacity building and sharing knowledge and experience on solid waste management and circular economy and other related activities (added)



Industrial waste

- Investment communication and media campaigns and material to mobilize PES funds, partnership and programming
- Fund for sub-national TWG and PES like livelihood activities (such as solar and water system, etc.)



Proposed Changes for Output 3

Solar

- Extend the implementation period for responsible parties including grantee such as EnergyLab to create an impact of incubation program
- As COVID community incidence, delivery terms for solar installation should be extended to January



4. Proposals for the Board's Approvals

- ✓ **Carry forward** the projected COVID-19 affected, budget and activities in 2020 to 2021, and
- ✓ **Approval of budget 2021** (Version G04) and priorities plan presented
- ✓ **Repurpose the unspent tree planting for maintenance and planting activities** in 2021 as a COVID response

5. Any other business (Q&A)

