



# MINUTES OF THE SECOND PROJECT BOARD MEETING

Project title and number	<b>Building an Enabling Environment for Sustainable Development (BESD)</b> (Award ID: 000885640)
Starting date	<b>1 January 2019</b>
Completion date	<b>31 December 2020</b>
Date and venue of the board meeting	<b>20 September 2019</b> Raffles Hotel Le Royal

**20 September 2019**  
**RAFFLES HOTEL LE ROYAL**  
**PHNNOM PENH**  
**CAMBODIA**

## I. INTRODUCTION

The second Project Board Meeting was organized from 9:00 am to 12:00 pm. on 20th September 2019 at Raffles Hotel Le Royal.

## II. ATTENDEES

No	Name	Organization
1	H.E. Dr. Tin Ponlok	Secretary General, National Council for Sustainable Development (NCSD), National Project Director/Chair of Project Board
2	H.E. Victor Jona	Director General, General Department of Energy, Ministry of Mine and Energy (MME)
3	H.E. Seng Soth	Deputy Director General, General Directorate of Local Community, Ministry of Environment (MOE)
4	H.E. Thiv Sophearith	Deputy Director General, General Directorate of Environmental Protection, MOE
5	Ms. Johanna Palmberg	Counsellor, Governance and Climate Change, Embassy of Sweden
6	Ms. Sonali Dayaratne	Deputy Resident Representative, UNDP Cambodia
7	Mr. Taing Meng Eang	Director, Department of Green Economy, NCSD
8	Mr. Chhun Bunnara	Head, Program Management and Support Division, National Committee for Sub-national Democratic Development (NCDD-S)
9	Mr. Meng Monyreak	Director, Department of Biodiversity, NCSD
10	Mr. Ma Chansethea	Director, Department of Administration, Planning and Finance, NCSD
11	Mr. Kong Seakly	Department Director, Local Community, MOE
12	Mr. Toch Sovanna	Department Director, General Department of Energy, Ministry of Mine and Energy (MME)
13	Mr. Luch Manh	Chief office, Department of Energy, Ministry of Mine and Energy (MME)
14	Ms. Iv Ek Nimnuon	Head of Policy and Innovation Hub, UNDP Cambodia
15	Dr. Moeko Saito Jensen	Environmental Policy Specialist, UNDP Cambodia
16	Mr. Leif Holmberg	Environmental Policy Specialist, UNDP Cambodia
17	Mr. Oum Sony	Policy Specialist & Project Manager, UNDP Cambodia
18	Mr. Ivo Besselink	Technical Advisor on Energy, UNDP Cambodia

19	Mr. Veng Visal	Energy Officer, UNDP Cambodia
20	Mr. Long Sovannarith	National Project Coordinator, NCSD Contract Staff
21	Ms. Meas Sreythol	Administrative Assistant, NCSD Contract Staff
22	Ms. Ly Ratanakserey	Finance Assistant, NCSD Contract Staff
23	Ms. Kim Sreykhuoch	Project Assistant, UNDP Cambodia
24	Mr. Chea Vanda	Deputy Chief Officer, Program Management and Support Division, NCDD-S
25	Mr. Michael Wasserman	Junior Consultant, UNDP Cambodia
26	Ms. Ambika Opal	Junior Professional Consultant, UNDP Cambodia
27	Ms. Julianna Saoud	Junior Professional Consultant, UNDP Cambodia
28	Mr. Kimheang Tuon	Communication Support, UNDP Cambodia

### III. AGENDA & OBJECTIVES

The Second Project Board Meeting aims to:

1. Introduce and welcome the project board members at the meeting
2. Present and review project component-based workplan for 2019
3. Seek approval from the board members on the 2019 workplan and initial revised budget plan

Detailed agenda is as listed in Annex 2.

### IV. KEY DISCUSSION POINTS AND ACTION

#### AGENDA ITEM 1: OPENING REMARKS

The meeting began with welcoming remarks from Ms. Sonali Dayaratne (UNDP), Ms. Johanna Palmberg (Embassy of Sweden), and remarks from H.E. Dr. Tin Ponlok (NCSD).

**Ms. Sonali Dayaratne, UNDP**, welcomed guests and thanked the Embassy of Sweden for providing funding support to the BESD project. Further thanked the Royal Government of Cambodia (RGC) and varying ministries for their leadership and collaboration. Reiterated the overall objective of the meeting to review updated progress, work plans and proposed budget revisions. Expressed anticipation for fruitful discussion amongst partners.

**Ms. Johanna Palmberg**, Embassy of Sweden, emphasized importance of the BESD project and its ability to bring together a vast range of partners and stakeholders. Highlighted the potential for the project and partners to assist in providing changes in order to achieve the 2030 Sustainable Development Goals. Expressed interest for an engaging discussion and ways to jointly move forward on project implementation.

**H.E. Dr. Tin Ponlok**, NCSD, reiterated the importance of the project in achieving the 2030 SDGs. He highlighted that in this mandate the RGC puts priority on human development and innovation, response to climate change and environment sustainability in the government's Rectangular Strategy Phase 4. He expressed that the immediate outputs of the project are less important than the strategies and models that will be developed over the duration of the project which have potential to be replicated or scaled up by RGC.

## AGENDA ITEM 2: PRESENTATION

The second Project Board Meeting was chaired by H.E. Dr. Tin Ponlok (NCSD).

**Mr. Oum Sony**, Policy Specialist, UNDP, gave a presentation which covered:

1. Brief introduction on project components (Natural Resource Management, Circular Economy, Solar Energy);
2. Project Progress update (all components);
3. Future workplans;
4. Updated risks

Updates under Output 1.1 Sustainable Natural Resource Management and Community Livelihoods, covering:

1. Status of NRM and community livelihoods, including the creation and strengthening of CPA systems
2. CBNRM support on Kulen Mountain, including gender assessments, grant agreements, stakeholder meetings and the identification of watershed areas

Updates under Output 1.2 Payment for Ecosystem Services (PES), covering:

1. Feasibility studies on Kulen Mountain and Kbal Chhay
2. Inter-ministerial PES meeting on PES and Social & Environmental fund, June 2019
3. National Dialogue on PES, September 2019

Updates under Output 2, Circular Economy, covering:

1. Circular Economy Pilots at the municipal and industrial levels
2. Strategic communication for plastic actions, including research on plastic challenges and solutions, development of policy measures for single-use plastics and promoting alternatives, raising awareness on plastic pollution, joint action through stakeholder engagement, and alternative business development

3. Development on enabling policies and measures for plastic recycling and circular economy policies
4. Proposed changes under Output 2, including piloting grass straws as an alternative to plastic straws, and facilitating the business challenge for organic composting and plastic recycling in 2020 instead of 2019

**H.E. Victor Jona, Director General, General Department of Energy (GDE), Ministry of Mines and Energy (MME),** provided updates on the status Output 3 Solar Energy, covering:

1. Improving access to energy supply and increasing the resilience of rural communities, including the identification of suitable off-grid solar technologies, and the clean energy and agriculture incubation program
2. Building the technical capacity for installation of solar, including training 20 engineers on design, installation and maintenance of off-grid solar systems
3. Communication and awareness raising, with a particular focus on women and other vulnerable groups
4. Development of scaling up strategies
5. Proposed changes to the project document

Detailed Updates under Output 3.4, Support for the development of enabling policies and measures for solar energy, covering:

1. Economic appraisal of the potential for photovoltaic solar energy in Cambodia
2. Study on policies and measures to address power shortages during the dry season
3. Technical assistance to TWG members on solar energy regulations
4. Development of solar guidelines for off-grid solar technologies

**Mr. Oum Sony, Policy Specialist, UNDP,** updated the project board, covering:

1. Overall Budget and delivery
2. Project Risks
  - Programme inputs are not mobilized in a timely fashion
  - Bank account requests took longer than expected to open
  - Budget allocated for some outputs may not be met, for example “200 households benefit from solar”
3. Strategies to ensure timely project implementation
  - Project manager (Sony) and Assistant (Sreykhouch) will spend two days a week at the MoE
  - LTAs, including communication, waste management and energy experts are now available
  - NCSD’s newly formed project team
  - UNDP to provide additional technical support from various consultants
4. Changes in budget revision
5. Proposed changes for project board approval
  - Output 2
    - i. Support piloting grass straws as an alternative to plastic straws this year



- ii. Business challenges for organic composting and plastic recycling will be facilitated in 2020 rather than 2019
- Output 3
  - i. Reduce the number of targeted households to be reached with solar system(s) under output 3.1, reduction from **200 to 100 households**. Also proposed changing the number of targeted female-headed households from 50 to 25.
  - ii. On request of MME, it is proposed to include: “Preparation of a guideline on solar home systems” in output 3.4. Part of budget from output 3.5 will be allocated to this activity.
  - iii. Unexpected power shortages during dry season 2019, increased interest in ways to mitigate shortages. More interest in “Economic Appraisal of the Potentials of Photovoltaic Solar Energy in Cambodia”-study and related policy work.  
It is proposed to add an indicator to the logframe of the project: indicator 3.7 “Studies and papers prepared to support RGC in evidence-based policy making towards a balanced, low-carbon intensive energy mix with a secure supply of power”.
- Budget
  - i. Loss of exchange: \$91K is accounted for in resource mobilization
  - ii. 2019 annual budget reduced from (-17%), but remaining is carried forward to 2020 (+20%) vs. initial budget (March 11)
  - iii. Total budget change vs. approved initial budget (March 11) is ~2%, mainly for Component 1 and Project Management Cost.
  - iv. New budget lines are created to reflect CoA and actual needs for project implementation (e.g. LTAs, PMU, field monitoring)

### AGENDA ITEM 3: DISCUSSION SESSION

The presentation was followed by a number of questions/comments raised by participants. Key points are summarized as follows (please refer to Annex 1 for more detailed comments). The following remarks and recommendations were raised:

#### About the Project:

Ms. Johanna Palmberg (Embassy of Sweden), noted the following:

- Provided clarification regarding the exchange clause. After final decision was approved, the Swedish currency’s value against the US Dollar changed. As the funds are disbursed in Swedish Krona, this resulted in a slight change due to the currency exchange, and not a drop in funding.
- Requested UNDP provide information regarding the new international expert (Leif), detailing his role within the BESD project and time allocation.

Response:

Mr. Leif Holmberg (UNDP)

- Briefly introduced himself as the new climate change and environmental policy expert, providing details on his past experience and his current role in supporting UNDP with environmental policy and climate change
- Clarified that a detailed workplan regarding his time allocation across all projects for the coming year will be discussed in October.

Dr. Moeko Saito Jensen (UNDP)

- Specified Leif will take the lead on providing technical assistance to the government for air quality monitoring under Component 2, Circular Economy. In the coming months the project will initiate a work to develop a national circular economy policy. Leif will be providing his expertise in policy formulation.

**About the project document:**

Ms. Johanna Palmberg (Embassy of Sweden), noted the following:

- Noted an error in the name of the project mentioned within the mid-term report.
- Requested further clarification on the budgeting of the “Economic Appraisal of the Potentials of Photovoltaic Solar Energy in Cambodia”- study under Output 3.

Response:

Mr. Ivo Besselink (UNDP)

- Clarified that the costs of the study, so the hiring of the contractor, for the “Economic Appraisal of the Potentials of Photovoltaic Solar Energy in Cambodia” is paid from UNDP resources. UNDP staff costs, to provide oversight/check work/provide quality assurance will be charged to the BESD project and paid from the financial resources from Sweden embassy.

**AGENDA ITEM 4: CONCLUDING REMARKS**

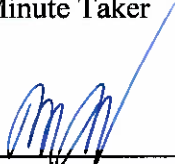
Conclusion

H.E. Dr. Ponlok thanked Sweden and UNDP for their continued support in implementing the project. Given the RGC’s commitment and understanding of the costs of environmental degradation, he expressed the importance and relevance of the project in developing relevant models/approaches for environmental protection, biodiversity conservation, livelihood improvement, sustainable financing and provision of water and electricity. Noted the viability of the project to produce potential models for scaling up initiatives, and their potential push the current momentum towards environmental sustainability forward.

**The board decided the following**

- The Project Board and implementing partners agreed to approve the budget revisions as well as proposed changes to the Project Document as presented during the meeting, with draft minutes and detailed budget revision to be made available via email
  - If the budget is revised less than 10% among each component, the team can make these changes as it is within the limits of the project document, but the board should be informed in writing to track a record of those changes.
  - Reducing targets and the new budget lines will not impact the overall project goal, therefore they should be acceptable.
- No further Project Board Meetings to be proposed for the year

Minute Taker



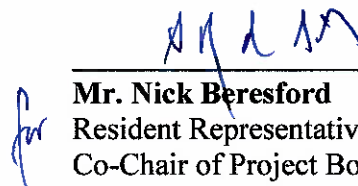
Mr. Michael Wasserman, Junior Consultant, UNDP Cambodia  
Date: September 20, 2019

Seen and approved by



**H.E. Dr. Tin Ponlok**  
Secretary General, National Council for Sustainable Development (NCSD)  
Co-Chair of Project Board/  
National Project Director  
Date: 07.11.2019

Seen and approved by



**Mr. Nick Beresford**  
Resident Representative, UNDP Cambodia  
Co-Chair of Project Board

Date: 31.10.2019

**Annexes:**

Annex 1. Detailed comments made by participants

Annex 2: Final 2<sup>nd</sup> BESD PEB Meeting Agenda

Annex 3: Presentation of the 2<sup>nd</sup> Board Meeting

Annex 4: Attached Budget and Annual Workplan Revision for BESD Project



## **Annex 1: Detailed comments made by participants**

### **Ms. Sonali Dayaratne (UNDP)**

- Short project with 15 months remaining, while only 15 per cent of the budget has been spent. Due to time constraints, implementation will be challenging. But given the excellent leadership and partner coming together, hopeful the momentum will continue.

### **Ms. Johanna Palmberg (Embassy of Sweden), noted the following:**

- Commended UNDP for presenting the budget and budget changes in a manner more understandable than the first meeting.
- Noted the importance of considering practicalities, including the process of opening bank account, and ensuring these practicalities are taken into consideration for future project planning so as to avoid delays.

### **Dr. Moeko Saito Jensen (UNDP)**

- Provided clarifications on plastic initiatives, including an overview of several awareness raising activities including;
  - A cartoon and music video produced in collaboration with Laura Mam, including potential support from Aeon Mall II to provide the venue for the video shoot and the launch event for the video.
  - National forum on plastic, focusing on positive messaging for reducing single-use plastic, and promoting plastic recycling and engagement with varying stakeholders. While Aeon may participate, the venue has not yet been selected.

### **H.E. Dr. Tin Ponlok (NCSD)**

- Stated the benefit of having Leif and having someone who has a new perspective for looking at these projects.
- Reviewed additional components on PES project including the two pilots, one in Phnom Kulen and one in Kbal Chay.
- Shared information of a number of related initiatives under the Department of Green Economy in line with Circular Economy including a proposed large-scale World Bank waste management initiative.
- Noted on a new half a million-dollar fund from Environment and Social Fund to be available for an investment in our youth.
- Expressed concern in regard to the future waste which will come from solar panels in 10-15 years. Asked how we can be better prepared for this.

### **Ms. Sonali Dayaratne (UNDP)**

- Expressed the need to integrate the gender assessment into the components, design, activities and implementation of the project. UNDP will look further into how to best support implementing partners in this regard. Highlighted the importance of integrating

gender components, as the project goes beyond producing communication materials specifically for women and ensuring their participation in activated, but rather the need to focus on gendered aspects from the inception of the project.

**Annex 2: Final 2nd BESD PEB Meeting Agenda**

**Project: Building an Enabling Environment for Sustainable Development (BESD)**

**Date: 20 September 2019**

**Time: 09:00 am – 12:00 pm**

**Venue: Raffles Hotel Le Royal**

<b>Time</b>	<b>Content</b>	<b>Representative</b>
8.30 – 9.00	Participants arrival and registration	NCSD/UNDP
9.00 – 9.05	Remark from UNDP	<b>Ms. Sonali Dayaratne</b> Deputy Resident Representative, UNDP Cambodia
9.05 – 9.10	Remark from the Embassy of Sweden	<b>Ms. Johanna Palmberg</b> Counsellor – Governance and Climate Change, Embassy of Sweden
9.10 – 9.15	Opening Remark from NCSD	<b>H.E. Dr. Tin Ponlok</b> , Secretary General of the National Council for Sustainable Development (NCSD)
9.15 – 9.45	Presentation: - Review previous action points - Project Progress update (all components) - Next workplan  Updated risks	<b>Mr. Sony Oum</b> Policy Specialist/Project Manager, UNDP <b>Focal Points</b> from respective partners: NCSD, NCDDS, MoE, MME
9.45 – 10.00	<b>Q&amp;A</b>	<b>All Participants</b>  Facilitated by <b>BESD Project Team</b>
10.00-10:15	<b>Coffee Break</b>	
10:15-11:30	<b>Panel Discussion:</b> - Request to budget revision - Confirm Project Management Structure	<b>All Participants</b> Facilitated by <b>H.E. Dr. Tin Ponlok</b> , Secretary General, NCSD

	<b>Other items</b> for discussion brought forward by the Members of the BESD Project Board	
11:30-12:00	Concluding remarks and <b>approval</b> of proposed changes of the BESD Project	<b>H.E. Dr. Tin Ponlok</b> Secretary General, NCSD  <b>Ms. Sonali Dayaratne</b> Deputy Resident Representative, UNDP Cambodia
12.00	Lunch at hotel	

**Annex 3: Presentation of the 2<sup>nd</sup> Project Board Meeting**

See the separate attached file.

**Annex 4: Attached Project Budget and Annual Workplan Revision 2019-2020**

See the separate attached file.



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## 2<sup>nd</sup> Project Board Meeting

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

**20 September 2019**

**RAFFLES HOTEL LE ROYAL**

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### About the project

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

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

The project designs and tests *innovative* environmentally sustainable models in the targeted areas. Based on evaluating results, it further identifies venues for scaling-up workable models



# Overall Project Status

## First Project Board Meeting: March 11, 2019

### Main project updates

- Project staff formally assigned by respective governments in August
- LoAs and Annual Work Plans being signed with DGE/MME and NCDDDS in August
- Bank accounts opened in August
- Grant agreements with ADF, EnergyLab, and SEAC signed in May/June
- Staff movement: SB4 Energy officer remains vacant (July-September)
- Sweden secondment (Leif Holmberg) was on board in August
- Ready for full implementation from September/October

Building an Enabling Environment for Sustainable Development in Cambodia (BESD)



## Output 1: Natural Resource Management (NRM)

### Output 1.1

Sustainable NRM & Community Livelihoods

**Mr. KUNG Seakly,**  
Department Director

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

### Output 1.2

Payment for Ecosystem Services (PES)

**Mr. MENG Monyrak,**  
Department Director  
Department of Biodiversity, General  
Secretariat of Sustainable Development  
(GSSD), National Council of Sustainable  
Development (NCSD)

## **Status: Sustainable NRM & Community Livelihoods**

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### **1. Creation and strengthening of CPA networks**

- Support the community to national CPA forum held at MOE

### **2. CBNRM pilot support for Kulen Mountain**

- Prior gender assessments of CBNRM completed
- Grant agreement: ADF and UNDP (Kulen) completed
- Three stakeholder meetings conducted (113 villagers, of which 54 were women) – **Livelihoods, CPA and APA management**
- Four key watershed areas identified for building a water distribution system for Popel village.

## **Status: Payments for Ecosystem Service (PES)**

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- Feasibility studies on Kulen & Kbal Chhay completed
- The inter-ministerial PES meeting was held on 7 June 2019, to with a decision to use voluntary PES initially and Social and Environmental Fund
- National Dialogue on PES: 17-18 Sep 2019, Phnom Penh Hotel
  - To consolidate lessons learned from other countries (e.g. Costa Rica, China, Vietnam) and from Cambodia's PES initiatives)
  - To discuss and design a roadmap for designing a national PES programme

# Output 2: Circular Economy

**H.E. E Vuthy, Deputy Secretary General,  
General Secretariat of Sustainable Development (GSSD),  
National Council for Sustainable Development (NCSD)**

## Status: Circular Economy

### 1. Circular Economy Pilot – Municipality

- The third World Circular Economy Forum June 4-6 in Finland
- Kick-off meeting on municipal waste management held in Kep on September 4

### 2. Circular economy pilot: Industrial level

- Emission assessment of a new waste-to-energy solution for waste within the garment sector
  - An air quality assessment firm being contracted- to conduct assessments from Oct to Dec 2019
- Organize a challenge fund to test and promote new business for plastic recycling/organic waste
  - Draft background research papers on plastic recycling & organic composting to be ready in Sep
  - Challenge fund will be organized for 2020 due to immediate priorities for plastic interventions

### 3. Strategic communication for plastic actions ongoing (see the next slide)

### 4. Development of enabling policies and measures

- Develop additional regulations on plastic/recycling (see the next slide)
- Formulate a draft circular economy policy in 2020

# Project's support for plastic interventions

## 1. Research on Plastics, the Challenges and Solutions

- Completed reviews of regulations on plastic straws and food packaging and a review of the plastic bag fee implementation in Cambodia, in August
- Ongoing research on plastic recycling and organic composting for Cambodia to be completed in September

## 2. Develop Policy Measures on Single-Use Plastics and Promote Alternatives

- Proposed initial policy recommendations for plastic straws, food packaging and plastic bags in August
- Support development of new regulations on single use plastic along with recommendations for alternatives in 2019/2020

## 3. Raise Awareness on Plastic Pollution

- Developed draft outreach materials including poster for the government, schools and supermarkets in August
- Government-led plastic interventions (e.g. internal policy on plastic use).
- Use innovative communication platforms and tools (e.g. Facebook, video and concerts) to change consumer behaviours.
  - ASEAN Environment ministerial meeting in October
  - Creative cartoons, music videos to be produced in November
  - Plastic conscious concert during the water festival, 11-13 November
  - Plastic conscious food festival in 25-27 November

## 4. Facilitate Joint Action Through Stakeholder Engagement

- Organize a national forum on plastic in late October/early November

## 5. Support Plastic Recycling and Alternative Business Development

- Implement a pilot activity for grass straws as an alternative for plastic straw from Sep to December
- Organize a business challenge in 2020 (proposed to shift it to 2020, due to many immediate priorities as presented above)

## Proposed changes

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### Output 2: Circular Economy

- **Business challenges**
  - **This year supports piloting of grass straws as an alternative to plastic straws**
  - **Business challenges for organic composting and plastic recycling will be facilitated in 2020**



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# Output 3: Solar Energy

**H.E. VICTOR Jona**

**Director General, General Department of Energy (GDE)**

**Ministry of Mines and Energy (MME)**

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## Status: Solar

### 1. Solar energy for improving energy access/energy supply and increasing resilience of rural communities (MME, UNDP, EnergyLab)

- Identification and procurement of most contextually suitable off-grid solar technologies, improving energy access for approx. 200 people in rural communities. On track for Q2 2020.
- Clean Energy and Agriculture Incubation Program. Launched with EnergyLab on 26 August 2019. Hackathon, Pre-Incubation and Incubation program, from now to December 2020.

### 2. Building technical capacity for installation of solar, and maintenance (MME)

- Training of 20 engineers/technicians on design, installation and after-sales maintenance for off-grid solar energy. Facilitated by MME – In progress for conducting in 2019 and 2020.

### 3. Strategic communication and awareness raising (MME, UNDP)

- Raise awareness and prepare communication materials, with particular focus on women and other vulnerable groups within communities. (Easy-to-read infographic Solar energy in Cambodia booklet published in both English and Khmer in August 2019 - further awareness raising planned in 2019 and 2020).

### 5. Development of scaling-up strategies including programming and new partnership (UNDP)

- (consultants to) prepare project concept notes and proposals for scaling up (e.g. on solar water pumping) Ongoing. Solar Water Pumping proposal submitted in Q2 2019. Most activities planned for 2020.

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## Output 3.4. Support for the development of enabling policies and measures for solar energy

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### A) An Economic Appraisal of the Potentials of Photovoltaic Solar Energy in Cambodia

- As follow up on 'Derisking Renewable Energy Investment-study' with planned launch date in October: comprehensive study to model the impacts of investing in solar energy in Cambodia. Includes appraisals of externalities and assessment of economic impacts. As requested by MME, study will be aligned with the Energy Master Plan. Started Q1 2019, expected to be finalized Q1 2020.
- Establishment of a Technical Working Group (TWG) for study – (MME, MoE, NCSD, MEF/SNEC, EDC, EAC) Launched April 2019 – 3 meetings so far

### B) Study on the policies and measures to address power shortages during dry season

- Policy paper with recommendations on addressing power shortages in the short-term. Provided to the TWG in July 2019

### C) Providing Technical Assistance to TWG members on solar energy regulations

- Financial modeling of scenarios with policy recommendations. April –September 2019

### D) Developing 'Solar guideline' for off-grid solar technologies

- Develop national guideline on off-grid solar technologies (conducted by international and national consultants). Workshops, consultations, and dissemination of information on solar guideline. Will start in Q3/Q4 2019. To be completed Q2 2020.

Building an Enabling Environment for Sustainable Development in Cambodia (BESD)



## Proposed changes

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### Output 3: Solar Energy

- **Output 3.1:** It is proposed to reduce the number of households to be reached with solar system(s) under output 3.1 from **200 to 100** (and female headed households from **50 to 25**). Target is not realistic given the high costs of realizing such system(s) in remote locations in Cambodia (also based on lessons-learned under CCCA project).
- **Output 3.4.** On request of MME it is proposed to include: "Preparation of a guideline on solar systems" in output 3.4. Part of budget from output 3.5 is allocated to this activity.
- **Output 3.4:** Unexpected power shortages during dry season 2019, increased interest in ways to mitigate shortages. More interest in "Economic Appraisal of the Potentials of Photovoltaic Solar Energy in Cambodia"-study and related policy work.

=> It is proposed to add an indicator to the logframe of the project: indicator 3.7 "Studies and papers prepared to support RGC in evidence-based policy making towards a balanced, low-carbon intensive energy mix with a secure supply of power". (Target: "Economic appraisal of the potentials of Photovoltaic Solar Energy in Cambodia"-study finalised by Q1 2020). (Budget for contractor/consultants is coming from UNDP. Salary costs partly from BESD).

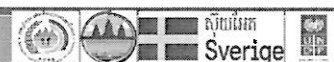
## Overall Budget and Delivery

No.	Description	Budget (US\$) 2019-20	Actual Expenditure (as at 02 Sep 19)	Balance	In %
1	CBNRM+PES	406,080.00	23,462.84	382,617.16	6%
2	Circular Economy	579,961.00	61,674.77	518,286.23	11%
3	Solar	532,826.00	98,853.08	433,972.92	19%
4	Project management	329,400.00	23,536.03	305,863.97	7%
	<b>Sweden sub-total</b>	<b>1,848,267.00</b>	<b>207,526.72</b>	<b>1,640,740.28</b>	<b>11%</b>
	<b>UNDP TRAC (2019)</b>	<b>280,000.00</b>	<b>90,032.73</b>	<b>189,967.27</b>	<b>32%</b>

Government Co-financing amount: **US\$160,800** (staff time, office space, daily operation cost)

UNDP TRAC fund parallel: ICs for Communication, NRM, Waste Management, Solar, Innovation Challenge for Waste Management and Solar )

Building an Enabling Environment for Sustainable Development in Cambodia (BESD)



## Key strategies to ensure timely implementation

- **Project Manager (Sony) and Assistant (Sreykhuoch)** will spend at least two days a week at the Ministry of Environment/NCDD-S to provide timely support for the implementation
- **Long Term Appointments (LTAs):** national communication, international waste management experts, energy experts are now available
- **NCSO now set up a project team-** comprised by 1) director, 2) coordinator, 3) admin and finance assistants and Government funded PMU (2 staff)
- LoAs with responsible departments will be fully implemented from September/October
- UNDP will provide **additional support from the following staff** for specific areas (part-time)
  - Intl Climate Change and Environmental specialist (funded by Sweden) for Output 1 & 2
  - Intl junior Environment and Circular Economy consultant for Output 1 & 2
  - Intl junior Energy and Clean Tech consultant (funded by UNDP) for Output 2 & 3

Building an Enabling Environment for Sustainable Development in Cambodia (BESD)



## Key changes in budget revision

Summary by Outputs	Budget (G00) - Mar 11			Budget Revision (G01)			Increase/decrease (%)		
	2019	2020	Total	2019	2020	Total	2019	2020	Total
Output 1: Natural Resource Management (NRM)	277,211	238,869	516,080	240,381	284,904	525,285	-13%	19%	2%
Output 2: Payment for Ecosystem Services (PES)	441,622	268,338	709,960	344,519	364,113	708,632	-22%	36%	0%
Output 3: solar energy	259,531	313,296	572,827	225,874	344,219	570,093	-13%	10%	0%
Project Management Cost	167,130	162,270	329,400	136,042	188,215	324,257	-19%	16%	-2%
<b>Grand Total</b>	<b>1,145,494</b>	<b>982,773</b>	<b>2,128,267</b>	<b>946,816</b>	<b>1,181,451</b>	<b>2,128,267</b>	<b>-17%</b>	<b>20%</b>	<b>0%</b>

➤ Detailed budget line changes and justifications can be seen in revised Annual Work Plan 2019-20 in Excel File.

## Proposed changes for the board's approval

- Loss of exchange: \$91K -> Keep for resource mobilization
- 2019 annual budget reduced from (-17%) , but remaining is carried forward to 2020 (+20%) vs. initial budget (March 11)
- Total budget change vs. approved initial budget (March 11) is ~2%, mainly for Component 1 and Project Management Cost.
- New budget lines are created to reflect CoA and actual needs for project implementation (e.g. LTAs, PMU, field monitoring)

# Thank you for your attention

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Building an Enabling Environment for Sustainable Development in Cambodia (BESD)



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