



Bi-Annual Project Progress Report

Reporting Period: **01 January – 30 June 2019**

Project Name: **Building an Enabling Environment for Sustainable Development (BESD)**
 Project ID: 00093203
 Award ID: 0085640

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ACRONYMS AND ABBREVIATIONS

ADF	Archaeology & Development Foundation
APA	Archeological Protected Areas
BESD	Building an Enabling Environment for Sustainable Development
CBNRM	Community based Natural Resources Management
CPA	Community Protected Areas
GDE	The General Department of Energy,
GDLC	General Directorate of Local Community
GDEP	General Directorate of Environmental Protection
MME	Ministry of Mine and Energy
MoE	Ministry of Environment
NCDD-S	National Committee for Democratic Development Secretariat
NCSD	National Council for Sustainable Development
NIM	National Implementation Modality
NRM	Natural Resources Management
NTFP	Non-Timber Forest Products
PES	Payment for Ecosystem Services
PDoE	Provincial Department of Environment
RUPP	Royal University of Phnom Penh
SEAC	Solar Energy Association of Cambodia
UNDP	United Nations Development Programme
UNDP TRAC	Target for Resource Assignment from the Core Fund

BASIC PROJECT INFORMATION

Project ID:	0085640	Reporting Date/Quarter:	01 January – 30 June 2019 (Q1 + Q2)
Full Title:	Building an Enabling Environment for Sustainable Development (BESD) in Cambodia		
Start Date:	1/1/2019	Completion Date:	12/31/2020
Total Project Budget:	US\$ 2,128,268.00	Annual Project Budget:	US\$1,145,494.00
Implementing Partner(s):	The National Council for Sustainable Development (NCSD)		
Donor/s:	Swedish International Cooperation and Development, Embassy of Sweden in Phnom Penh (Sweden) – US\$1,848,268 Co-financed by: <ul style="list-style-type: none"> • UNDP TRAC - Target for Resource Assignment from the Core Fund – US\$280,000 • NCSD (in-kind) – US\$160,800 		
Responsible Parties:	Government Agencies: <ul style="list-style-type: none"> • The National Committee for Democratic Development Secretariat (NCDD-S) • The General Department of Energy, Ministry of Mines and Energy (MME) • The General Directorate of Local Community (GDLC), Ministry of Environment (MoE) • The General Directorate of Environmental Protection (GDEP), MOE NGOs & Academia: <ul style="list-style-type: none"> • Archaeology & Development Foundation (ADF) • Energy Lab • Solar Energy Association of Cambodia (SEAC) • Royal University of Phnom Penh (RUPP) Private Sector <ul style="list-style-type: none"> • H&M Co., Ltd, Coca-Cola, Chip Mong Insee, Super Markets (AEON Mall, Thai Hourt, etc.) • Circular Economy Challenge runner(s) and incubators are being selected. 		
Project Description:	The overall project objective is to strategically position Cambodia's path towards achieving the Sustainable Development Goals related to 1) <i>natural resources management (NRM)</i> ; 2) <i>circular economy</i> ; and 3) <i>clean, affordable and sustainable energy</i> . The project designs and tests <i>innovative</i> environmentally sustainable models in the targeted areas through public and private partnerships and further identifies venues for scaling-up workable models. The project will attain the following three outputs: <ul style="list-style-type: none"> • Output 1: CBNRM institutions strengthened and financial resources mobilised for sustainable NRM • Output 2: Waste reduced, recycled and reused through application of circular economy models • Output 3: Improved access to clean, affordable, and sustainable energy for the rural poor 		
Target Areas:	There are primarily three provinces targeted for this project. Those include Siem Reap (for PES), Kep (for circular economy), Pheah Sihanouk (for PES). However, for circular economy and solar energy challenge funds will cover nationwide to leverage its impact funds in these sectors and promote innovation incubation.		
Target Group:	Civil society organizations, the private sector, academic institutions, local communities, indigenous peoples and women, with particular attention to the rights of socially marginalized groups.		

SUMMARY OF KEY RESULTS

This project reporting covers key project results during the period between January 01 and June 30, 2019.

Area 1: Community based Natural Resources Management (CBNRM) and Payment for Ecosystem Services (PES)

1.1. CBNRM

- Prior gender assessments of CBNRM completed- incorporated into the implementation design
- Small grant was signed between ADF and UNDP. ADF and provincial DoE initiated three stakeholder meeting to launch the CBNRM activities to support CBNRM. A total of 113 villagers and local authority representatives, of which 54 were women, participated in these meetings. The project is welcomed and supported from the stakeholders.
- Four key watershed areas identified for building a water distribution system for Popel village.

1.2. PES

- Completion of an additional study to provide initial policy recommendations for PES options in Kulen Mountain and Kbal Chhay in March, 2019
- Organization of intra ministerial meeting to discuss the recommendations and to decide ways forward in June, 2019

Area 2: Circular Economy

2.1. Municipal pilot for circular economy (Kep)

- The first scoping trip was conducted in March to assess the local needs and develop work plans on solid waste management in Kep. It was jointly assessed among NCSD, DEAP and NCDD-S national team and UNDP and work plans are developed and agreed by these parties.

2.2. Industrial pilot for circular economy (for the garment and cement industries)

- Draft risk assessments of private sector (H&M, Chip Mong, and Coca Cola) completed
- ToR was announced for an air quality assessment for a new on-site incinerator introduced for the garment industry

2.3. Awareness raising about plastic pollution and required actions

Three responsible partners are leading this activity:

- a) **MoE Taskforce on Plastics** has been leading the 6-month quick-win plastic waste management plan. The following set of awareness raising/communication materials are being drafted.

- Poster for MoE/NCSD to promote plastic actions
- Action points including green procurement policies to lead by example
- Media/website contents on plastic
- Booklet and brochure of plastic pollution in English and Khmer
- Animated infographic video concept for bidding
- Mascot design for the plastic campaign competition

- b) **RUPP:** The Clean and Green has kicked off its first youth-led plastic free campaign through hosting a plastic workshop on roles of individuals and institutions to reduce plastics on 28 May 2019

- Over 300 students (of which 206 females) actively participated in the information session, quiz and panellist discussion on impacts of plastic waste.

- Over 10 groups of students teamed up and submitted their video competition concept notes on plastic. Five ideal video proposals (23 youth producers, 5 females) were selected for video production training.
- Under the plastic free campaigns, the follower of the Clean and Green Facebook page has increased its number from 1,000+ to over 2,058 in the last two months.

c) UNDP led circular economy campaign

- The link for plastic related research findings and advocacy for policy change is listed on the UNDP Cambodia's page (<http://www.kh.undp.org/content/cambodia/en/home/projects/our-action-for-plastic-pollution-in-cambodia.html>)
- Plastic related campaigns data, the video requesting public to share their photos of plastic reached 138,332 audiences and more than 3,800 reactions, comments and shares. This shows significant result from the Facebook campaign to widely spread the educational messages and engage the public with the campaign.

2.4. Development of enabling policies and measures for circular economy.

- The MoE/NCSO established the special taskforce on plastic, focusing on four sets of interventions: 1) policy and regulation on plastic reviews, 2) Plastic waste communication and outreach, 3) lead by example for MoE to taking plastic waste, and 4) Policy recommendations.
- Key policy results include 1) Draft rapid assessments on plastic straws and Styrofoam completed with initial recommended measures submitted to GDEP/MoE, 2) Draft study on the implementation on the sub-decree 168 completed including interviews with major supermarkets and 3) initial research on recycling and alternative businesses in Cambodia
- Four Cambodian delegates and a project staff participated in the World Circular Economy in Helsinki, Finland (3-5 June). Global lessons on circular projects and national strategies were shared

Area 3: Energy

3.1. Solar energy for improving energy access/energy supply and increasing resilience of rural communities

- General Department of Energy (GDE) of Ministry of Mines and Energy and UNDP have signed a letter of agreement (LoA) to implement (parts of) activities under component 3 (output 3.1, 3.2, 3.3, 3.4 and 3.5) amounting to USD 81,359.
- The GDE has also established a team for implementing the project and has started the recruitment of Administration and Finance Assistant.
- The GDE has notified delays in opening a project bank account as they have been advised to obtain approval from Ministry of Economy and Finance first.
- Draft terms of reference for an individual contractor for identifying off-grid solar energy projects have been drafted, shared with and approved in principle by the GDE BESD team.
- EnergyLab and UNDP have signed a low-value grant agreement to implement activities related to implementation of a clean energy incubator programme under output 3.1 (amounting to USD 128,158 for the clean energy incubator) in which 53% of financial resources are from BESD project. A scoping exercise is being carried out by Energylab to design and run the incubation programme.

3.2. Building technical capacity for installation of solar, and their maintenance

- See above, regarding LoA between GDE and UNDP.

3.3. Strategic communication and awareness raising

- See above, regarding LoA between GDE and UNDP.

3.4. Development of enabling policies and measures for solar

- See above, regarding LoA between GDE and UNDP.
- Draft terms of reference for individual contractor(s) for developing national guideline on off-grid solar systems is being prepared;
- SEAC and UNDP have signed a low-value grant agreement to strengthen the Solar Energy Association of Cambodia with a contract value amounting to USD 41,102.
- Initial discussion on topics of interests as part of capacity building to learn about good practices in other countries was made. Actual activity is scheduled around Jun to Aug 2020;
- An inter-ministerial Technical Working Group on "Economic Appraisal of the Potentials of Photovoltaic Solar Energy" has been set up and convened 2 meetings looking at several issues relating to enabling policies and measures for solar including: i) economic appraisal of the potentials of photovoltaic solar energy; ii) study relating to economic implications due to interruption of power supply by national grid and proposed measures; iii) study on available options in taking excess power generated from existing solar PV rooftop systems installed by commercial and industrial actors to the national grid; iv) policy documentation in order to provide plausible recommendations for targeting and planning of sustainable or renewable energy and also proposed measures that promote the use of sustainable or renewable energy and address the challenges in power supply for coming years (including proposed revisions to the current solar regulations); v) key recommendation of the study on De-risking Renewable Energy Investment (DREI).

3.5. Development of scaling-up strategies including programming and new partnership

- See above, regarding LoA between the GDE and UNDP.
- Analyze and gather baseline information and market barriers relating to energy and identify key activities to overcome market barriers.

Overall project management:

Overall, most of time during the first 6-month period was spent for setting up the project. This work entailed:

- Nomination and formalization of the project board members by February, 2019
- Consultation with relevant government and departments in refining work plans and budget for each output (1 NRM, 2, circular economy, 3, renewable energy) in January, and February, 2019
- Organization of the first project board meeting on March 11, 2019.
- Finalization of annual work plans for GDLC, DEPA, NCDDs, MME, RUPP and other NGOs (ADF, EnergyLab, SEAC) and private sector partners in March, April, May, 2019
- Development and letters of agreements & opening of bank accounts of 4 institutions. NCDDs and GDE, MME has already opened up their bank account successfully, but NCSD is still waiting for an approval from MEF.
- Recruitment of relevant project staff and consultants from January to June, 2019

Besides these preparatory project management works, the project made major progress- especially in the areas of circular economy as well policy-research related to energy (inter-ministerial Technical Working Group on "Economic Appraisal of the Potentials of Photovoltaic Solar Energy).

PROGRESS ON PLANNED ACTIVITIES AND RESULTS FOR THE PERIOD FROM JANUARY - JUNE 2019 AGAINST INDICATORS

UNDP Strategic Plan Output Alignment: 1.4.1 Solutions scaled up for sustainable management of natural resources, including sustainable commodities and green and inclusive value chains			
CPD Outcome Alignment: 2.1: Targeted cities and urban centers prepare and operationalize solid waste management plans to reduce environmental pollution impact from solid waste. 2.3: Rules and regulations formulated and adopted for forest/natural resource management and market solutions developed for conservation and renewable energy.			
CPD Output Alignment: 3.2.3: The extent to which natural resources are protected, conserved and sustainably managed as measured in: (i) Percentage of forest cover; (ii) Percentage of protected area (i) Baseline (2016): 48.14% Target (2023): TBD; (ii) Baseline (2018): 41% Target (2023): TBD 3.3.1: Number of multi-sectoral policies, legislation, plans and strategies relevant to sustainable production and living, which are developed/updated Baseline (2018): 7 Target (2023): 15			
CPD Output Indicator(s) Alignment: Output 1.4.1: Solutions scaled up for sustainable management of natural resources including sustainable commodities and green and inclusive value chain <ul style="list-style-type: none"> Indicator: Natural resources that are managed under a sustainable use, conservation, access and benefit sharing regime: a) Area under sustainable forest management (hectares) Baseline (2017): 776.046 ha (under CF and CPAs); Target (2020): 1 million ha Output 1.5.1: Solutions adopted to achieve universal access to clean, affordable and sustainable energy <ul style="list-style-type: none"> Indicator: Number and proportions of households benefiting from clean, affordable and sustainable energy access disaggregated by a) women-headed, b) in rural areas, c) in urban and peri urban areas Baseline (2017): 0; Target (2020): a) 50 HH, b) 200 HH, c) NA. 			
Output Indicators	Baseline (2018)	Target (2019)	Status (Achievements and Challenges)
Output 1: CBNRM institutions strengthened and financial resources mobilized for sustainable NRM			
1.1. Extent to which CBNRM institutions are strengthened Measured on a three-point scale: 1= Some extent: Initial fund collection and distribution mechanism agreed 2= Moderate extent: PES operational mechanisms (including fund collection & management, implementation strategies and arrangements, and monitoring system) designed 3=Great extent: PES operational mechanisms implemented	0	0	Activity 1.1. Expansion and strengthening of community based NRM No PES governance structure established, but the PES feasibility assessment suggests that existing structure under social and environment fund could be considered. Under this activities, two sub-grants were established to two organisations: Archaeology and Development Foundation (ADF) and the General Directorate of Local Community (GDLC), Ministry of Environment (MoE) to complementarily implement PES and livelihoods related activities in Phnom Kulen National Park.

1.2. Number of total and female headed households benefit from CBNRM	N/A	0	<p>As June, ADF has delivered the following three project kick-off meetings in collaboration with the community office of the Provincial DoE. As a result, 113 household representatives, of which 54 were women, participated in these meetings:</p> <ul style="list-style-type: none"> • 1st project meeting was conducted with 18 local authority representatives • Then, another meeting conducted with 48 Popel villagers (30 women) • The 3rd meeting with 47 Khla Khum villagers (24 women) • The team identified four key watersheds for developing a fresh water supply system for Popoel village.
1.3. Extent to which pilot PES approaches are operationalised for Kulen Mountain Measured on a three-point scale as above.	N/A	1	<p>Activity 1.2. Implementation of Sustainable Financing Options for scaling up</p> <p>No PES options are operationalized, but options are being discussed among the NCSD and MOE inter-general departments.</p> <p>PES feasibility studies were conducted in two targeted sites: Phnom Kulen and Kbal Chay to review the existing suggested PES options and collect additional data to fully develop realistic options for PES operationalization.</p>
1.4. Extent to which pilot PES approaches are operationalised for Kbal Chay Measured on a three-point scale as above.	0	1	<p>The above study identified</p> <ul style="list-style-type: none"> • The amount of US\$ 2.9 to US\$ 3.9 million can be mobilised for Phnom Kulen National Park based on the PES fee \$1 per room/night for hotels and international tourists in the Siem Reap. • The amount of US\$ 0.9 to US\$ 1.1 million can be mobilised for Kbal Chhay based on the PES fee \$1 per room/night for hotels and the number of international tourist arrival in Sihanouk Ville.
1.5. Extent to which a national PES policy is developed Measured on a three-point scale: 0= None: No initial drafts 1= Moderate extent: Initial assessment and analysis 2= Great extent: final draft of policy ready for endorsement	0	0	<p>The PES options were discussed among the inter-general departments within MOE and NCSD.</p>
1.6. Extent to which gender concerns are integrated into the proposed policy measures Measured on a three-point scale: 1= Some extent: relevant policy documents refer to their possible impacts on men and women	0	1	<p>The rapid gender assessment found that:</p> <ul style="list-style-type: none"> • Community members are aware of the five CPAs in Phnom Kulen and demarcated boundaries, but most are not aware of the decision-making processes for the CPAs • Both men and women collect NTFP for supplementary income. Some types of NTFP (e.g. honey) are typically collected by men, while others (e.g. special leaves) are collected by women.

<p>2= Moderate extent: relevant policy documents refer to their possible impacts on men and women and include some measures to ensure positive impacts</p> <p>3=Great extent: relevant policy documents include full measures and budget to ensure positive impacts</p>			<ul style="list-style-type: none"> Some men perceive the forest as a 'man's place' too dangerous for women. Women are well-represented in decision-making at the household level, but not at the community level. Women would like to participate in the CPA but do not feel well-informed, were not invited, or do not have the confidence to join. <p>The project needs to focus more on: 1) awareness raising and education on gender and NRM, 2) creating women self-help groups, 3) quota of men and women for CPA management committees, 4) financial incentives for CPA participation, 5) promotion of environment stewardship among youth. (See more details, see this gender assessment report).</p>
1.7. Volume of financial resources mobilized to support proposed measures, measured in USD	0	0	No additional PES fund generated yet to support the two targeted protected areas, but UNDP has increased their allocation from the TRAC core funds from US\$160,000 to 280,000 by March 2019. Of which \$80K is set aside for PES and watershed behavioural change related activities.
Output 2: Waste reduced, recycled and reused through application of circular economy models			
<p>2.1. Extent to which a pilot is designed and implemented (municipality)</p> <p>Measured on a three-point scale: 0= None extent: Pilot is not designed 1= Moderate extent: Business model for pilot is designed, proposed, and consulted on with stakeholders 2=Great extent: Pilot is designed and implemented, with a business model tested and resulting data collected.</p>	0	0	<p>Activity 2.1. Piloting new business approaches for municipal waste in Kep</p> <p>No business model proposed but workplans have been agreed and being implemented.</p> <p>The first scoping trip was conducted in March to assess the local needs and informed planning on solid waste management in Kep. It was jointly assessed between UNDP, NCSD and NCDD-S national team.</p>
<p>2.2. Extent to which a circular economy pilot is designed and implemented (industry)</p> <p><i>Measured scale as in 2.1 indicators & targets</i></p>	0	0	<p>Activity 2.2. Designing a new business approach to industrial waste with the Private Sector (e.g. Garment Sector and organic waste for agriculture)</p> <ul style="list-style-type: none"> Draft risk assessments of private sector (H&M, Chip Mong, and Coca Cola) completed ToR was announced for an air quality assessment for a new on-site incinerator introduced for the garment industry

<p>2.3. Number of people outreached for raising awareness on appropriate waste management Measured by number</p>	<p>0</p>	<p>200</p>	<p>Activity 2.3. Raise awareness</p> <p>Three responsible partners are leading this activity:</p> <p>a) MoE Taskforce on Plastics has been leading the 6-month quick-win plastic waste management plan. The following set of awareness raising/communication materials are being drafted.</p> <ul style="list-style-type: none"> • Poster for MoE/NCSD to promote plastic actions • Action points including green procurement policies to lead by example • Media/website contents • Booklet and brochure of plastic pollution in English • Animated infographic video concept for bidding – • Mascot design for the plastic campaign competition <p>b) RUPP: The Clean and Green has kicked off its first youth-led plastic free campaign through hosting a plastic workshop on roles of individuals and institutions to reduce plastics on 28 May 2019</p> <ul style="list-style-type: none"> • Over 303 students (of which 206 females) actively participated the information session, quiz and panellist discussion on impacts of plastic waste. • Over 10 groups of students teamed up and submitted their video competition concept notes on plastic. Five ideal video proposals (23 youth producers, 5 females) were selected for video production training. • Under the plastic free campaigns, the follower of the Clean and Green Facebook page has increased its number from 1,000+ to over 2,058 in the last two months. <p>c) UNDP led circular economy campaign</p> <ul style="list-style-type: none"> • The link for plastic related research findings and advocacy for policy change is listed on the UNDP Cambodia's page (http://www.kh.undp.org/content/cambodia/en/home/projects/our-action-for-plastic-pollution-cambodia.html.) Plastic related campaigns data, the video requesting public to share their photos of plastic reached 138,332 audiences and more than 3,800 reactions, comments and shares. This shows significant result from the Facebook campaign to widely spread the educational messages and engage the public with the campaign.
<p>2.4. Extent to which enabling policy measures are developed</p>	<p>0</p>		<p>Activity 2.4. Development of enabling policies and measures for circular economy.</p> <ul style="list-style-type: none"> • The MoE/NCSD established the special taskforce on plastic, focusing on four sets of interventions: 1)

<p>for the support of circular economy</p> <p>Measured on a three-point scale: 0= None: 1= Moderate extent: an initial set of policy measures are proposed 2= Great extent: agreed set of measures receive government endorsement</p>		0	<p>policy and regulation on plastic reviews, 2) Plastic waste communication and outreach, 3) lead by example for MoE to taking plastic waste, and 4) Policy recommendations.</p> <ul style="list-style-type: none"> • Key policy results include 1) Draft rapid assessments on plastic straws and styrofoam completed with initial recommended measures submitted to EPA/MoE, 2) Draft study on the implementation on the sub-decree 168 completed including interviews with AEON, Lucky, Thai Hout, Super Duper and 3) initial research on recycling and alternative businesses in Cambodia- ongoing • Four Cambodian delegates and a project staff participated in the World Circular Economy in Helsinki, Finland (3-5 June). Global lessons on circular projects and national strategies were shared and Cambodian delegates committed to develop a national road map circular economy over the course of the project
<p>2.5 Volume of financial resources mobilised to support proposed waste management measures, measured in USD</p>	0	0	<p>Activity 2.5. Development of scaling-up strategies including programming and new partnership.</p> <ul style="list-style-type: none"> • H&M committed to co-finance of US\$5000 for the assessment of air pollution • UNDP increased its core funding from US\$10,000 to US\$20,000? • Technical assistance leveraging or in-kind contribution from IDEA, Coca-Cola
<p>Output 3: Improved access to clean, affordable, and sustainable energy for the rural poor</p>			
<p>3.1 Solar PV energy business models or new technologies developed to provide electricity, incl. for productive use</p> <p>Measured by number of business models/technologies</p>	0	0	<p>Activity 3.1. Solar energy for electricity supply and increasing resilience of rural communities</p> <ul style="list-style-type: none"> • General Department of Energy (GDE) of Ministry of Mines and Energy (MME) and UNDP have signed a letter of agreement (LoA) to implement (parts of) activities under output/activity 3.1, 3.2, 3.3, and 3.4 amounting to USD 81,359. • The GDE has also established a team (hereinafter "GDE BESD team") of 12 people, headed by H.E. Victor Jona, Director General for Energy for implementing the project. The GDE has notified delays in opening a project bank account as they have been advised to obtain approval from Ministry of Economy and Finance first. • GDE has started the recruitment of Administration and Finance Assistant and made the job posting on Prelprek.com¹.

¹ <https://pelprek.com/job/56682/administration-and-finance-assistant.html>

			<ul style="list-style-type: none"> EnergyLab and UNDP have signed a low-value grant agreement to implement activities related to implementation of a clean energy incubator programme under output 3.1 amounting to USD 128,158 for the clean energy incubator; in which 53% of financial resources are from BESD project. A scoping exercise is being carried out by Energylab to design and run the incubation programme.
3.2 Number of rural households benefit from solar PV system installed for access to energy incl. for productive use Measured by number households (male and female headed)	0	100	Activity 3.1. Solar energy for electricity supply and increasing resilience of rural communities <ul style="list-style-type: none"> Draft terms of reference for an individual contractor for identifying off-grid solar energy projects have been drafted, shared with and approved in principle by the GDE BESD team. See above, regarding LoA between GDE and UNDP.
3.3 Number of female headed households benefit from solar PV system installed for access to energy, water and productive use Measured by number of households (female headed only)	0	30	Activity 3.1. Solar energy for electricity supply and increasing resilience of rural communities <ul style="list-style-type: none"> Draft terms of reference for an individual contractor for identifying off-grid solar energy projects have been drafted, shared with and approved in principle by the GDE BESD team. See above, regarding LoA between GDE and UNDP.
3.4 Number of technicians with enhanced capacities to design, install and maintain solar PV as per installation standards/guidelines (to be prepared) Measured by number of male and female technicians	0	20	Activity 3.2. Building technical capacity for solar PV technology installation, operation and maintenance <ul style="list-style-type: none"> See above, regarding LoA between GDE and UNDP.
3.5 Number of community members with improved awareness on benefits of solar and appropriate use of solar technologies Measured by number of community members	0	20	Activity 3.3. Strategic communication and awareness raising: <ul style="list-style-type: none"> See above, regarding LoA between GDE and UNDP.
3.6 Number of National quality standards/guidelines for solar PV technologies developed Measured by national quality standards/guidelines	0	0	Activity 3.4. Development of enabling policies and measures for solar <ul style="list-style-type: none"> See above, regarding LoA between GDE and UNDP. Draft terms of reference for individual contractor(s) for developing national guideline on off-grid solar systems is being prepared;

			<ul style="list-style-type: none"> SEAC and UNDP have signed a low-value grant agreement to strengthen the Solar Energy Association of Cambodia with a contract value amounting to USD 41,102. Initial discussion on topics of interests as part of capacity building to learn about good practices in other countries was made. Actual activity is scheduled around Jun to Aug 2020; An inter-ministerial Technical Working Group on “Economic Appraisal of the Potentials of Photovoltaic Solar Energy” has been set up and convened 2 meetings looking at several issues relating to enabling policies and measures for solar including: i) economic appraisal of the potentials of photovoltaic solar energy; ii) study relating to economic implications due to interruption of power supply by national grid and proposed measures; iii) study on available options in taking excess power generated from existing solar PV rooftop systems installed by commercial and industrial actors to the national grid; iv) policy documentation in order to provide plausible recommendations for targeting and planning of sustainable or renewable energy and also proposed measures that promote the use of sustainable or renewable energy and address the challenges in power supply for coming years (including proposed revisions to the current solar regulations); v) key recommendation of the study on De-risking Renewable Energy Investment (DREI)
N/A	0	0	<p>Activity 3.5. Development of scaling-up strategies including programming and new partnership</p> <ul style="list-style-type: none"> See above, regarding LoA between GDE and UNDP. Analyze and gather baseline information and market barriers relating to energy and identify key activities to overcome market barriers
<p>Cross-cutting activity: Project Management Over this reporting period, the following results include: The project board meeting was conducted on 11 March 2019. It was chaired by H.E. Dr. Tin Ponlok, the General Secretariat of the NCSD and the Project Director. The decision of the Board made as follows:</p> <ul style="list-style-type: none"> The Project Board and implementing partners agreed to approve the fund flow and workplan in principle, with the budget approval to be made via email. Project Board meeting and Inception Workshop proposed for mid-June. The project team will follow up on this proposal. This workshop will be moved to combine with the next board to be more efficient in reviewing budget, workplan, and project progress. <p>Revision of Project Document and Budget. Several meetings were conducted between UNDP Project Team and Sweden to clarify the changes and rationality. All changes of target and budget reallocation written and agreed by Sweden and the Board. Final agreed budget is now used to track its progress as seen in the financial report Section below.</p>			

Regular update and communication with Sweden agreed. To increase the transparency and efficiency, all Sweden funded projects are suggested to provide a regular donor update monthly. The joint project meeting with Sweden on 23 May 2019 at the Embassy of Sweden, agreed on the following points:

- Annual meeting (or twice a year depending on the project)
- Documents to be shared 10 working days in advance
- Quarterly report or meetings to update the progress at technical level
- Technical level meeting prior to the board meeting
- Changes in the budget should be documented with a summary of explanations
- Budget revision with 10 % of tolerance can be done by manager. Beyond 10 %, a board approval is needed via email or in person

Unlike the other projects that are managed by the Programme and Results Unit, this project is managed by the Policy and Innovation Hub, where the technical staff are based. Doing this is aimed to experiment the cost-sharing modality within the National Implementation Modality (MIM), while ensuring the service delivery for the implementer partners.

QUALITY OF RESULTS

Please answer the compulsory sections. Answer optional sections as applicable to your project.

Sustainability: <i>Do the benefits of the achieved results have potential to last past this quarter?</i>	The overall project management and arrangements of labour division will be functioning as the agreed steps and actions. In addition, strategic communication for Component 2 will continue to thrive and become welcoming for most implementing partners through tightening partnerships and incorporating common interests among the key actors.
National Capacity: <i>How do the project results help strengthen national institutions and service delivery?</i>	As this project is implemented under NIM, most activities are planned and implemented by key government partners. On-the job training 'learning by doing' would help them improved their skills gradually. In addition, technical assistance and quality assurance are also set aside from the UNDP CO to support service delivery, especially partnership programming and regulation development or amendment where applicable.
Gender Equality and Women's Empowerment: <i>How does the project contribute to promoting gender equality and women's empowerment?</i>	Gender equality is key in every planned activity. This ranks from staff recruitment to local participants in the project activities. Gender assessment was conducted in the first quarter is an example of how to ensure gender is mainstreamed in the project.
Youth Engagement: <i>How do the project results support youth in contributing to sustainable human development and peace?</i> *optional*	A good example of youth engagement is done through RUPP student led plastic free campaigns. Video competition will be the products of youth-led solutions to plastic waste management.

Climate Change: <i>How do the project results help increase resiliency and reduce vulnerability to climate change? *optional*</i>	The project is contributing to outcome of climate change. This is done through reducing pressure to natural carbon stock in the projected areas and waste generation and emissions from fuel-based energy.
No One Left Behind: <i>In what way do the project results help left behind communities and individuals? *optional*</i>	The project's target groups include women-headed household and rural households who lack access to rural electrification.

INNOVATION

What innovation initiatives have been implemented in the project?

What innovative methods were applied or tested this quarter?	<input checked="" type="checkbox"/> Alternative Financing <input checked="" type="checkbox"/> Behavioral Insight <input type="checkbox"/> Blockchain <input checked="" type="checkbox"/> Challenge Prizes <input type="checkbox"/> Crowdsourcing <input type="checkbox"/> Crowdfunding <input type="checkbox"/> Foresight <input type="checkbox"/> Games for Social Good <input type="checkbox"/> Hackathon <input checked="" type="checkbox"/> Human-Centered Design <input type="checkbox"/> Innovation Lab <input type="checkbox"/> Micronarratives	<input type="checkbox"/> Mobile-Based Feedback Mechanism <input type="checkbox"/> New and Emerging Data (e.g. Big Data) <input type="checkbox"/> Positive Deviance <input checked="" type="checkbox"/> Private Sector Partnership <input type="checkbox"/> Randomized Control Trial/Parallel Testing <input type="checkbox"/> Real-Time Monitoring <input type="checkbox"/> Remote Sensing/Unmanned Aerial Vehicles (UAVs) <input type="checkbox"/> Other (specify below)
	<i>If 'Other' was selected, please specify what innovative initiative was implemented and what the result of the initiative was:</i>	

SOUTH-SOUTH AND TRIANGULAR COOPERATION

Describe how South-South and Triangular Cooperation has contributed to your project?

Was South-South and Triangular Cooperation promoted and utilized through the project?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, briefly explain how. List countries engaged.	<p>For circular economy model, the project has explored the applicable solutions with Asian nations as well as from western world.</p> <p>For PES, MOE is pursuing its collaboration with Costa Rica and exploring some practical lesson in the region, including China.</p>

COMMUNICATIONS, KNOWLEDGE MANAGEMENT AND VISIBILITY

The following communications results are listed below:

Knowledge Product Produced this Quarter	Type	Date Published/Produced	Target audience	Link (if available)
The project page is available in the UNDP website	Other	05/22/2019	Public audience/partners	http://www.kh.undp.org/content/cambodia/en/home/projects/creating-sustainable-cambodia.html
BESD 2-pager has drafted and being designed for reaching a wider range of audience.	Other	6/28/2019	Potential partners/stakeholders	A soft copy is available.
Plastic pager is drafted and being reviewed for final infographic design.	Other	6/30/2019	Potential stakeholders/partners	A soft copy is available.
The 5 Rs poster on Plastic reduction for MoE/NCSD drafted and being finalized	Other	6/30/2019	MoE and NCSD staff and the public	A soft copy is available.

Webpage content on plastic waste and its impacts for MoE was drafted	Website	6/28/2019	MoE and NCSD staff and the public	A soft copy is available.
Video production guidelines for youth-led plastic campaigns was developed	Training module/manual	6/30/2019	RUPP Students	A soft copy is available.
Facebook content and messaging on plastic campaign drafted	Other	6/14/2019	RUPP Clean and Green Team	A soft copy is available.
Draft posters content to stick at cashier counters of Aeon and Lucky. The posters aim to raise public's awareness about negative impacts of plastic and ways to reduce plastic.	Poster	7/5/2019	Customers at super markets	A soft copy is available.
Booklet and brochure contents for plastic were drafted	Booklet and brochure	6/14/2019	Booklet for Pedagogy teachers and brochure for general public	A soft copy is available.
BESD board and cost sharing ceremony Press Release				A soft copy is available.
Mascot concept guideline was drafted.	Branding image	6/28/2019	General public	A soft copy is available.

Was the project cited/quoted/featured in media reports/articles? <i>If yes, please provide link to article/video.</i>	Three news articles published our work relating to Cambodia's commitment to the circular economy as the following:
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	<ol style="list-style-type: none"> 1. <u>Business Time</u> “Cambodia Is Taking Big Steps in Adopting A Circular Economy” 2. <u>Bangkok Post</u>, “Cambodia puts circular economy in motion” 3. <u>Khmer Time</u>, “Youth urged to curb plastic use”
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PROJECT IMPLEMENTATION CHALLENGES

a. Updated Project Risks and Actions

See Annex 1 below for newly identified risks and actions.

b. Updated Project Issues and Actions

Not applicable.

FINANCIAL STATUS AND UTILIZATION

Table 1: Contribution Overview (01 January 2019– 31 December 2020)

Donor Name	Contributions (USD)		Total Received	Cumulative Expenditure	Balance	Contributions Balance	Remarks
	Committed	Received					
Sweden	1,848,268.00	1,757,225.29	1,757,225.29	171,679.95	1,585,715.66	91,042.71	In the cost sharing agreement, the total amount is 16,500,000 SEK, and UNDP received the 1 st tranche, 4,000,000 SEK (444,889.33 USD) on 31 July 2018 and the 2 nd tranche amount was 12,500,000 SEK (1,312,335.96 USD) on 14 May 2019. It is important to note that 91,042.71 USD is the loss of exchange rate from SEK to USD, so it is subject to be fundraised for
UNDP [TRAC]	280,000.00	73,587.67	73,587.67	73,699.73	206,412.33	206,412.33	Fund received is based on the actual expenditures
Total	2,128,268.00	1,830,812.96	1,830,812.96	245,379.68	1,792,127.99	297,455.04	-

Table 2: Quarterly expenditure by project activity (01 January 2019- 30 June 2019)

Activities-Description	Approved Annual Budget 2019 (BREV/G00)	Actual Expenditure		Total	Balance	Delivery [%]
		Gov't [Disbursed]	UNDP [Disbursed]			
Output 1: CBNRM institutions strengthened and financial resources mobilized for sustainable NRM	277,211.00		72,307.45	72,307.45	204,903.55	26%
Output 2: Waste reduced, recycled and reused through the application of circular economy model.	441,622.00		51,631.08	51,631.08	389,990.92	12%
Output 3: Improved access to clean, affordable, and sustainable energy for the rural poor	259,531.00		107,363.55	107,363.55	152,167.45	41%
Project management (PMC)	167,130.00		14,077.60	14,077.60	153,052.40	8%
TOTAL	1,145,494.00	-	245,379.68	245,379.68	900,114.32	21%

Table 3: Cumulative Expenditure Report (01 Jan 2019 - 30 June 2019)

Activities-Description	Total Approved Multi-year Budget (2019-2020)	Cumulative Expenditure			Balance	Delivery [%]
		Gov't [Disbursed]	UNDP [Disbursed]	Total		
Output 1: CBNRM institutions strengthened and financial resources mobilized for sustainable NRM	516,080.00	-	72,307.45	72,307.45	443,772.55	14%
Output 2: Waste reduced, recycled and reused through the application of circular economy model.	709,960.00	-	51,631.08	51,631.08	658,328.92	7%
Output 3: Improved access to clean, affordable, and sustainable energy for the rural poor	572,828.00	-	107,363.55	107,363.55	465,464.45	19%
Project management (PMC)	329,400.00	-	14,077.60	14,077.60	315,322.40	4%
Total	2,128,268.00	-	245,379.68	245,379.68	1,882,888.32	12%

Remark: Total expenditure not include the 2019 commitment of US\$ 22,950

ANNEX 1: RISK LOG

#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
1	Programme inputs (funds, human resources, etc.) are not mobilized in a timely fashion	30 April 2019	Organizational	P=4 I= 4	<p>The project team has been working with technical focal persons who are responsible for planning and recruitment. Those include NCSD team, line departments of MoE, NCDD-S project support team and MME project team.</p> <ul style="list-style-type: none"> • Support in developing ToRs for required positions required; • Sharing the UNDP recruitment procure process and int-conflict of interest guidelines. • Recruit a team of juror researchers to accelerate the research on plastic and food packaging boxes. 	<p>Project Director (H.E. Dr. Tin Ponlok) was assigned in March 2019.</p> <p>UNDP CO team assigned technical team and Programme Analyst and Project Assistant (see the updated Project Structure in the Board Meeting on 11 March 2019.</p>	Mr. Sony Oum, Project Manager	P=3 I=4	<p>Two long-term agreement consultants are on board.</p> <p>NCSD is processing the recruitment of its PMU staff.</p>

#	Description	Date Identified	Type	Impact & Probability	Countermeasures / Management response	Owner	Submitted, updated by	Last Update	Status
2	It is time consuming for responsible partners to open a bank account for this project. This leads to a delay in funds transfer for them to implement their responsible activities.	Late June 2019	Organizational	P=3 I=4	<p>UNDP issued a more flexible letter to request for opening a bank account without a preferable bank.</p> <p>Follow and encourage the focal points of NCSD and NCDD-S to follow up with its organizations, Ministry of Economy and Finance and respective banks regularly.</p> <p>One transfer was made to MME in late June and induction session will be done in July.</p>	Our UNDP team are fully aware of this and we have been working closely with all responsible partners to accelerate the administrative process.	Mr. Sony Oum, Project Manager	P=2 I=3	It is most likely to transfer the money to NCSD and NCDD-S in the next quarter.
3	Unrealistic budget allocated for some activity output seem unrealistic, for example household benefit from solar energy	May 2019	Financial	P=3 I=2	<p>Discussed with the donor to reduce the target households based on realistic lesson learned from other projects.</p> <p>MME agrees to revised households from 300 to 200.</p>	UNDP Energy Team	Ngov-Veng Chheng	P=2 I=2	LOA was signed off by MME and new target is being implemented