



MINISTRY OF PUBLIC WORKS AND TRANSPORT



NATION RELIGION KING



Contract for Consultant's Services No. MPWT/PMU/IUEMTSP/QBS/004

Integrated Urban Environmental Management in the Tonle Sap Basin Project ADB Grant: 0454-CAM (CF) Project

Monthly Progress Report- June 2022

Submitted to: Ministry of Public Works and Transport - Government of Cambodia



1. Background

- **Community Mobilisation and Environmental Improvements Project –CMEI** project supported by MPWT and funded by ADB is being implemented across the vulnerable areas of Cambodia. The Project looks at the interconnections between infrastructure developments, urban management, water and climate change in Tonle Sap Region specifically in the two provinces of Pursat and Kampong Chhnang in Cambodia.
- The partnership is based on the Contract No. MPWT/PMU/IUEMTSP/QBS/004 dated 17 Jan 2018 between The Ministry of Public Works and Transport (MPWT) (The Client) and Partnership for Development in Kampuchea (PADEK) in association with West East Development Cambodia Co., Ltd. (WEDC) (The Consultant) for Consultant’s Services for NGO Support for Community Mobilisation and Environmental Improvement (Package IV) (The Project).
- The agencies PADEK and WEDC have been awarded the project output: CMEI under the project titled “Integrated Urban Environmental Management in Tonle Sap Basin” This is part of a larger mandate to help develop the Tonle Sap basin.

Project Outputs and Outcomes

- The project aims to address the climate change and environmental needs of the urban poor and vulnerable, including ethnic Cham and Vietnamese in Kampong Chhnang and Pursat—making the project more inclusive by extending benefits from large infrastructure investments.
- It includes improved household sanitation for ID Poor 1 and 2 in the current municipality area; climate change and hygiene awareness and action; and community small-scale infrastructure improvements in pre-identified poor and vulnerable areas in each municipality. Small-scale infrastructure improvements will be prioritized by the communities and will be financed by the project, national government, and community. The output will help extend project benefits to the poor and vulnerable groups.
- The output includes the following sub-outputs and activities:
 - a. Household sanitation grants for ID Poor 1 and ID Poor 2 households within the defined municipality area.
 - b. Information, Education and Communication (IEC) activities to promote project awareness, hygiene awareness, initiate behavioural change and disseminate climate change information to men and women. The project area for the IEC efforts will include Sangkats in the existing municipal boundary and adjacent urban Sangkats. It will generate information and opportunities for knowledge management to further strengthen the knowledge management aspects of the project; and,
 - c. Small-scale infrastructure improvements in Sangkats that are pre-identified by the project survey as being poor and vulnerable to poor urban environmental conditions (e.g., community sanitation, improved drainage with access roads, or community collection points for solid waste management). These components will connect directly with Output 1 and 2 investments to ensure that local communities are also direct beneficiaries. Communities residing in the urban Sangkats of the existing municipal boundary area will be eligible for assistance.

2. Activity Update

2.1. Field visit

The field visit of the team ensured a series of action being agreed and actioned. The key actions covered in the field mission included the following: (detailed report attached)

- a) **Meeting with Pursat and Kampong Chhnang Authorities** – this meeting was conducted with the key officials in the city administration of Pursat. The key actions of SWM, DRR and related issues were discussed. The meeting agreed to drop the high raised platforms from the proposed actions to be delivered by CMEI. The action was discussed and other actions were prioritised over it. The official letter to this agreement will be finalised soon and shared. The meeting also new areas to be added to the list of CMEI project areas. The meeting attendee’s suggested to focus on the areas being covered by the waste collection services for the provisions of the waste bins. The project recommends that the villages in Kosh and Toul Makak also need the bins as this will create an approach and attitude towards waste management. The list of items for the SWM and DRR were also updated and finalised. The list of beneficiary will be provided by the provincial authorities soon.
- b) **Small Works:** the CMEI engineer is now mobilised and has visited each proposed HHs, assessed them. The assessment has bought out the households with the needs, the household who already have a good standard of toilet, and those who did not have the land title. In the time that has elapsed since the last assessment, some people have built their toilets, some have passed away and some have migrated. The final list for Toilet upgrade, Roof water storage, Water filter, and Water storage containers is being finalised and will be submitted in the next week.
- c) **Consultation meeting with Kbal Hong communities:** the team had a detailed meeting with the community members in the Kbal Hong settlement area. The key issues discussed include the proposed package of waste management. The meeting with the women members of the community provided detailed scope for engagement and the need for awareness raising.
- d) **Meeting the PDOWA:** The team met with the PDOWA teams in the 2 provinces in the month of June 2022. It was agreed that the PDOWA staffs will provide full support to the training and capacity building actions of CMEI. They also agreed to provide the training hall for the training actions. The PDOWA also agreed to support in the IEC actions. They have iEC provided by other donors which they will be sharing with our teams for wider dissemination of the much needed community awareness of gender needs. The PDOWA also agreed to have monthly meeting the PC of the CMEI team in the province. This will be a good platform to update each other on the actions and plan ahead for the next steps. The PDOWA will also support Padek in the campaign action. This will be further deliberated and detailed out as an action plan in the further meetings.
- e) **KPCH- Waste management actions:** the team field tested the Questionnaire survey developed in coordination with the PMIS team leader in Kampong Chhnang. The field testing bought out a few areas for improvement.

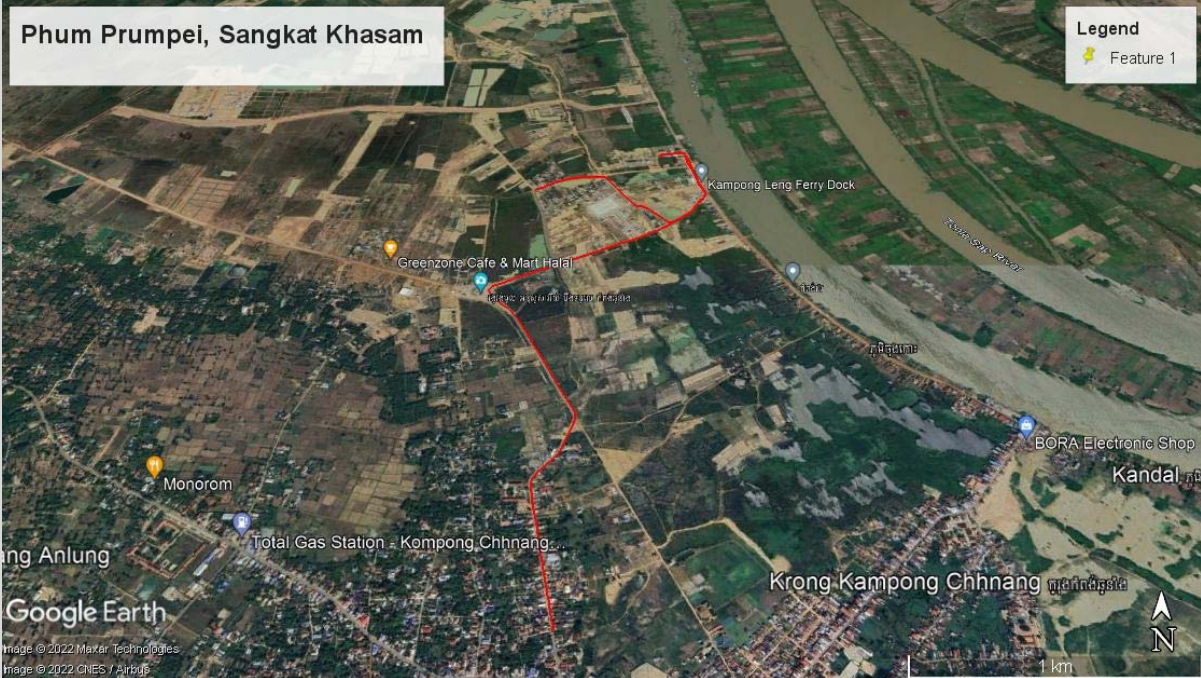
<p>•Location of the house/building within the service area</p> <p>1) Please add the following communes</p> <ul style="list-style-type: none"> • Kampong Chhnang and Khasam
<p>2) please correct the spelling to</p> <ul style="list-style-type: none"> • Phér village

3) Acceptability Index 1 2 3 4	
<ul style="list-style-type: none"> Kindly provide the scale to reference = 1 is lowest and 5 is the highest (?) 	
4) good to make another question from the acceptability Index for the following 2 questions	
<ul style="list-style-type: none"> Would you agree to connect to a new sewage system at the front of the property Would you agree to connect to a new sewage system at the back of the property Add a line – don't know (applicable for people who are on rentals) 	
5) Also good to have a selection of villages within each commune, the suggested table is provided the table below	
1	Phsar Chhnang Kampong Ous, Kandal, Koh Krabei, Samraong, Trapeang Bei
2	Ph'er Khleang Prak, Mong Barang, Ph'er
3	Kampong Chhnang Damnak Popul, La Tuek Trei
4	Khasam Ti Muoy, Ti Bei, Ti Pram, Ti Prampir

f) **Waste flow mapping:** the waste collection trucks routes have been mapped using a GPS software. The team will hold detailed consultations with the community members to ascertain the gaps in the collection actions. The draft maps are provided below:











g) **Sanitation Targets:** The sanitation targets suggest a total of 1400 units for the actions, the matrix is provided below

CALCULATION FOR THE SANITATION SUPPORTS	Numbers	
TARGET- Total Sanitation Solutions (as per the agreed Aid memoire - sept 2021)	1,400	
Achievements	118	8%
Toilets Built- CW09a and CW09b	107	
Toilets at Pursat Land fill	4	
Toilets at KPCH Land fill	4	
WWTP-Pursat	3	
Balance	1,282	
Proposed	1,297	93%
Toilets upgrades (proposed) in Toul Makak and Kosh	47	
Schools	50	
KPCH	600	
Pursat	600	
WWTP- KPCH		
Balance	1,282	
Difference	-15	

It shows that there is a need to plan for 600 in KPCH and Pursat and since 600 in Pursat will not be possible (considering these are lower cost units), the project is aiming to find more areas of need in KPCH. This will be done in close consultation with the PMIS team.

2.2. Consultation Meeting on Kbal Hong Canal Clean Up

- The meeting was held on Monday – 20, June 2022
- **Mr. Saroeurn, PC – Pursat**, welcomed the participants and the project team from the Phnom Penh office and reviewed the past work process on Kbal Hong canal clean up.
- **Dr. Dipankar** presented the objectives of the consultation meeting which included a) final consultation meeting to decide whether the community still needed and agreed the work and process of the clean-up activities. This meeting is an important step to finalise the confirmation from the implementing community.
- He said the meeting is a needed action of the new approved VO4 after an ADB mission in Cambodia and it is also important to receive inputs from community and local authorities for validating the CMEI actions of this clean-up which will finish by August 2022.
- The community asked whether or not the house will be erected. The project team responded that we will do only the clean-up of the canal bed, not rehabilitation or any action which effect their house. The work focusses only on the removal of plastic garbage, debris and clean small trees in the canal bed.
- The work will not affect even the fruit trees or trees claimed by the household who live along the canal bank. As the result of the discussion, the community and village authorities (Phteas Prey's Kbal Hong, Veal's Kbal Hong and Prolay Thom) all were happy and supported the canal clean-up activity because they said they really need the better and clean environment along the canal and their home community as same as the project activity expected.
- They also promised to clean around their compound at the same time with the project's clean-up activity and promised will no longer throw trash into the canal again while they also participate in preventing whoever throwing trash into the canal both from inside community or outside people.
- The community also asked for the project to raise awareness on clean environment to the community people and placed educational banners or poster for increasing local community people to understand, participate, and practice the good attitude and behaviour change.
- The project team also explained about the planned provision of household bin to the people who live along the canal bank together with conducting awareness raising and IEC materials in aiming to make the Kbal Hong canal keep clean for a long period and forever.
- The project team said the community large bins will be placed along the roads laying along the canal where people can keep their waste there and avoid throwing into the canal or anywhere.
- The project team also asked about the community labours available to take part in the clean-up in the form of local market labour cost which the community said it ranked from \$15 - \$20 per person per day because this work is more difficult than the construction work. This work needed to do in the canal water which is generally dirty.

2.3. Women Consultation Meeting

- The meeting was held on Monday – 20, June 2022
- The meeting was attended by 12-women members from the community. This small women meeting covered the purposes of understanding the issues, challenges, concerns, need and responsibilities of women in the canal clean-up activities which will directly affect with those women who live and always stay for longer than men along the canal.

- The women participants said that they were very happy if the canal become clean because the women are bored with the trash in the canal.
- They said this trash contributed to their health status and disease as well as their family. If the project started the activity abovementioned, they will participate as much as possible they can.

Presence:

- a) Dr. Dipankar TL
- b) Mr. Him Saroeurn PC
- c) Mr. Veth Voeyn Engineer
- d) Mr. Kem Rithy CMEI officer
- e) Mr. Sao Vanna PA
- f) Community and Village Authorities: 18 (12 female)

Participant list of consultation meeting on Kbal Hing canal cleanup

ល.រ	ឈ្មោះ	ស៊េរ	អាយុ	អាសយដ្ឋាន	ទូរស័ព្ទ
1	ស៊ីម សារ៉េន	ប	53	សង្កាត់ស្រែចម្រើន	0165501872
2	ស៊ីម សារ៉េន	ប	50	សង្កាត់ស្រែចម្រើន	
3	ស៊ីម សារ៉េន	ប	46	សង្កាត់ស្រែចម្រើន	
4	ស៊ីម សារ៉េន	ប	52	សង្កាត់ស្រែចម្រើន	09872090
5	ស៊ីម សារ៉េន	ប	50	សង្កាត់ស្រែចម្រើន	0122639
6	ស៊ីម សារ៉េន	ប	59	សង្កាត់ស្រែចម្រើន	
7	ស៊ីម សារ៉េន	ប	65	សង្កាត់ស្រែចម្រើន	
8	ស៊ីម សារ៉េន	ប	55	សង្កាត់ស្រែចម្រើន	
9	ស៊ីម សារ៉េន	ប	55	សង្កាត់ស្រែចម្រើន	
10	ស៊ីម សារ៉េន	ប	71	សង្កាត់ស្រែចម្រើន	
11	ស៊ីម សារ៉េន	ប	64	សង្កាត់ស្រែចម្រើន	
12	ស៊ីម សារ៉េន	ប	59	សង្កាត់ស្រែចម្រើន	
13	ស៊ីម សារ៉េន	ប	31	សង្កាត់ស្រែចម្រើន	
14	ស៊ីម សារ៉េន	ប	52	សង្កាត់ស្រែចម្រើន	
15	ស៊ីម សារ៉េន	ប	49	សង្កាត់ស្រែចម្រើន	
16	ស៊ីម សារ៉េន	ប	62	សង្កាត់ស្រែចម្រើន	
17	ស៊ីម សារ៉េន	ប	72	សង្កាត់ស្រែចម្រើន	
18	ស៊ីម សារ៉េន	ប	62	សង្កាត់ស្រែចម្រើន	

ល.រ	ឈ្មោះ	ស៊េរ	អាយុ	អាសយដ្ឋាន	ទូរស័ព្ទ
1	ស៊ីម សារ៉េន	ប	40	សង្កាត់ស្រែចម្រើន	
2	ស៊ីម សារ៉េន	ប	38	សង្កាត់ស្រែចម្រើន	
3	ស៊ីម សារ៉េន	ប	60	សង្កាត់ស្រែចម្រើន	
4	ស៊ីម សារ៉េន	ប	64	សង្កាត់ស្រែចម្រើន	
5	ស៊ីម សារ៉េន	ប	59	សង្កាត់ស្រែចម្រើន	
6	ស៊ីម សារ៉េន	ប	31	សង្កាត់ស្រែចម្រើន	
7	ស៊ីម សារ៉េន	ប	52	សង្កាត់ស្រែចម្រើន	
8	ស៊ីម សារ៉េន	ប	52	សង្កាត់ស្រែចម្រើន	
9	ស៊ីម សារ៉េន	ប	59	សង្កាត់ស្រែចម្រើន	
10	ស៊ីម សារ៉េន	ប	65	សង្កាត់ស្រែចម្រើន	
11	ស៊ីម សារ៉េន	ប	55	សង្កាត់ស្រែចម្រើន	
12	ស៊ីម សារ៉េន	ប	62	សង្កាត់ស្រែចម្រើន	

2.4. Consultation Meeting on Solid Waste Management and Disaster Resilience – Pursat City Authority

- The meeting was held on Tuesday, 21.06.2022
- **Dr. Dipankar Chyau Patnaik, Team Leader- CMEI** presented the objectives of the consultation meeting which included:
 - a) Item list of Solid Waste Management and Disaster Resilience,
 - b) Toilet construction update,
 - c) High Raised Platform, and
 - d) Kbal Hong canal clean up.

He said the meeting is a needed action of the new approved VO4 after the ADB conducted its mission in Cambodia in May 2022. It is also important to receive inputs

from local authorities for validating the CMEI actions in 2022. This meeting is an important step to finalise the list of items to be procured for the Solid waste management and disaster resilience actions and also a detailed discussion on the high raised platform.

- **City Deputy Governor Mr. Song Sothea** said the city administration is happy to work with the PADEK-CMEI project because it is in line with what the city is aiming to achieve vis-a-vis maintaining a clean and improved environment. He also said about the capacities and key actions that the city is working to enhance the city environment and some challenges of the city implementation in the areas of garbage collection and management. The limited awareness and knowledge capacity of residents about trash management that they always drop their trash on the street, markets, parks, and public spaces wherever else they can, especially around parks and markets. Along the Kbal Hong canal and Prey Nhee, residents don't agree to pay trash collection service fees although the local authorities make calls and promotions with cooperation with non-government API. The city can collect only 30% of the collectable bills. The only City trash collection agency (Youth for Environment) doesn't have enough trucks for transporting to the dump site. The city can collect only 50% of solid waste. Additional truck will improve the service. This has been promised from the ministry of Environment for a long time but still is unclear.
- **Mr. Sao Vanna, Programme Associate CMEI** made a presentation of the item lists of solid waste management, DRR resilience for validating and collecting inputs.
- **Key Discussion- Solid Waste Management**

 - The project should include two priority communes of Prey Nhee and Svay At and Banteay Dey (if possible)
 - If the project can support of promotional materials such as sticker to stick at home and hotline phone for complaining from the residents.
 - To be in line with the efforts of the city to expand the coverage collection service area, HH bin provision should be started from the areas where are the most challenges of trash generating, then expand to somewhere the similar challenges happen.
 - Community bin will face thefts and the bin should be made from wood with good design and innovation and should be placed where the trash truck cannot access to.
 - There should be more meetings conducted to discuss in detail of how and who to manage the supported bins and other equipment.
 - The project team requested the city and each targeted commune to provide a list of HH beneficiary and locations for community bins to be placed.
 - The city and targeted communes agreed to provide later after the meeting through Mr. Kimsear.
- **Key Discussion- Flood preparedness and response**

 - The meeting asked for a bigger boat than the CMEI suggested boat for better evacuation operations and responses.
 - The meeting discussed about the process of the high raised platform construction in detail. This included the time needed for the whole operation- starting from the verification of land ownership at the provincial department of land management,

certificate of land free from mine, procurement process and timeframe. Finally, the meeting agreed to drop for this action from the item list presented.

- A letter confirming the key discussion points will be provided by the authorities soon.

• **Attendee list**

A consultation meeting on solid waste management and community resilience

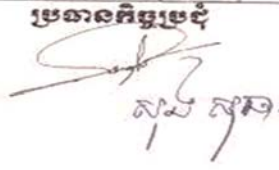
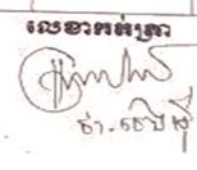
Date: 21 September 2021 Pursat

ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ
ប្រទេសកម្ពុជា

ខេត្តកោះកុង
រដ្ឋបាលក្រុងកោះកុង
ផ្នែកប្រចាំការងារ

ទីតាំង: ផ្នែកប្រចាំការងារ + លេខ: ២១/២០២១
ថ្ងៃ: ១៩ ខែ ០៩ ឆ្នាំ ២០២១

ល.រ	ឈ្មោះ	ភេទ	តួនាទី	អង្គការ	លេខទូរស័ព្ទ	ហត្ថលេខា
១
២	011209940	...
៣	014961809	...
៤	018.600137	...
៥	071.2222892	...
៦	070.490640	...
៧	039333601	...
៨	097765949	...
៩	012982301	...
១០	155010427	...
១១	017 460207	B.Chun
១២	089745346	...
១៣	086056225	...
១៤	092996066	...
១៥	DR. DIPANKAR	M	TL	Padick	016402775	...
១៦	092594344	...
១៧	028955251	...
១៨

ប្រធានកិច្ចប្រជុំ: 
លេខាធិការ: 

• **G09D - Environmental Improvement and Waste Management – Pursat**

Description	Quantity	Rationale and Geography for procurement	Specification	Update
Waste collection carts				
Two Wheel Mild Steel Hand Cart	14	2 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svay At	Load Capacity: 200 Ltr, Material: Mild Steel, Spray painted metal parts, Sturdy tyres suitable for rough terrain, 100% Virgin Material	- Two new communes requested by the meeting to add - 4 units increased
Garbage Rickshaw	14	2 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svay At	Capacity 250 ltr, tillable bin for emptying waste, Spray painted metal parts, Sturdy tyres suitable for rough terrain, 100% Virgin Material	- Two new communes requested by the meeting to add - 4 units increased
Waste collection and handling equipment				
Gloves	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svay At		- Two new communes requested by the meeting to add - 40 units increased
Shovel	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svay At		- two new communes requested by the meeting to add - 40 units increased
Spade	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svay At		- two new communes requested by the meeting to add - 40 units increased
Broom	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svay At	Material: High grade plastic, Application: Waste and litter picking and sweeping, Usage: Cleaning, Quality: CE	- two new communes requested by the meeting to add - 40 units increased
Signboards	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svay At		- two new communes requested by the meeting to add - 40 units increased
Protective gear				

Safety Hats/ Helmets.	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	N40 Korea	- two new communes requested by the meeting to add - 40 units increased
Respirators and dust masks.	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	Mask (Taiwan)	- two new communes requested by the meeting to add - 40 units increased
Safety Coveralls.	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	L1.2m VN	- two new communes requested by the meeting to add - 40 units increased
Safety footwear.	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	Super Sun Footwear (Singapore) size: 39 to 45	- two new communes requested by the meeting to add - 40 units increased
Safety Eye protection.	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	Len: clear, Singapore	- Two new communes requested by the meeting to add. - 40 units increased
Safety gloves.	140	20 per commune; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	Cotton (70), VN	- two new communes requested by the meeting to add - 40 units increased
Waste bins				
Waste bins- Households	3,692	2 per HH; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	"Size L480 * W420 * H440mm Little: 50 L Material HDPE Weight: 8.5 Kg Wall thickness: 4mm"	- two new communes requested by the meeting to add - 2 per HH for each HH beneficiaries. - xx units increased
Waste bins- Community	40	4 per village; - Pursat Town, Lolok Sa, Roleap, Phteah Prey, Prey Nhee, Svy At	ចំណុះ 1100 លីត្រ កំរាស់ជ័រ គ្រាន់ Size:L1350*W1035*H1290mm Litre:1100L Material: original HDPE Weight(kg):50kg Wall thickness: 7.2mm 20GP:36pcs 40HQ:120pcs"	- 34 requested by the meeting

• **G09E - Community Preparedness and Disaster Resilience- Pursat**

Description	Quantity	Rationale and Geography for procurement	Specification	Update
Small Boats				
Bala Smach 7.2m, Kubota 18kw,	1	1 per town x 2; Pursat and Kg Chhnang Town	Bala Smach 7.2m, Kubota 18kw	- Dropped requested by both provinces
Bala Smach with steering	1	1 per town x 2; Pursat and Kg Chhnang Town	Bala Smach with steering 7.2x1.1m Th7mm; 4Cyl	- Requested by both provinces
Protective gear for flood management				
Life jacket	160	- 20 units per Commune/town x8; - Pursat Town, Chamraoen Phal, Lolok Sa, Phteah Prey, Prey Nhi, Roleab, Svay At, Banteay Dei	No 6, Made in VN	
Safety Coveralls.	160	- 20 units per Commune/town x8; - Pursat Town, Chamraoen Phal, Lolok Sa, Phteah Prey, Prey Nhi, Roleab, Svay At, Banteay Dei	L1.2m Made in VN	
Safety footwear.	160	- 20 units per Commune/town x8; - Pursat Town, Chamraoen Phal, Lolok Sa, Phteah Prey, Prey Nhi, Roleab, Svay At, Banteay Dei	Super Sun Footwear (Singapore) size: 39 to 45	
Shelter Support				
Sand bags	2500	2500/ province; PS & KPCH town		
Tarpaulin sheet	100	- 20 units /Commune/town x8; - Pursat Town, Chamraoen Phal, Lolok Sa, Phteah Prey, Prey Nhi, Roleab, Svay At, Banteay Dei	4x6m, Korean	Dropped four unit each for increasing numbers of HH bins

- List of HH bins Beneficiaries will be provided later after communes provide.
- List of Places of Community Bins will be provided later after communes provide.

2.5. Consultation Meeting on Solid Waste Management and Disaster Resilience- Kampong Channang City Authority

- The meeting was held on Wednesday, 22.06.2022

- **Dr. Dipankar Chyau Patnaik, Team Leader**, presented the objectives of the consultation meeting which included:
 - a) Item list of Solid Waste Management and Disaster Resilience,
 - b) Toilet construction update
- He said the meeting is a needed action of the new approved VO4 after the ADB conducted its mission in Cambodia in May 2022. It is also important to receive inputs from local authorities for validating the CMEI actions in 2022. This meeting is an important step to finalise the list of items to be procured for the Solid waste management and disaster resilience actions and also a detailed discussion on the toilet construction / Connections in Kampong Chhnang
- **City Governor Mr. Savein** welcomed the mission team and appreciated the work of the Padek's CMEI project. He also said the solid waste management is one of the priorities taken actions. Finally, he gave the opportunities to Mr. Salim, technical official who is responsible for the solid waste management.
- **Key Discussion- Solid Waste Management**

- **Mr. Salim** proposed to provide a report instead of verbal reporting during the meeting.
- The discussion focused on How to collect the garbage and Who collects it? Kheang Dary is the waste collection private company who get a 7-year contract from 2022-2027 from the provincial office through the Kampong Chhnang city administration for all of four communes of the city including two market and eight parks. The city will provide a copy to the CMEI of the decision. Up to the decision, the price of charge is around \$2-3 for residential area.
- The project will conduct a mapping of waste collection routes and consultation meeting with the villagers to get inputs of their concerns. The project team would also request more meetings in the coming months to present the results of the meeting and discuss more to find better way of SWM work in the city.
- The collection route map was done by the company Kheang Dary and App Company Cambodia Green App. Therefore, the efforts can be combined together.
- The purpose of the mapping is to look for the gap of the collection route where the trash trucks cannot access to. So the project can study feasibility where the collective bins can be installed. Doing so the residents can provide information on areas where the trash trucks cannot access. The community bins need has been jointly studied by the city and the provincial department of environment for 26 villages. Mr. Salim will provide the GPS locations to the project team later after the meeting.
- The city requested to add two more communes for HH bins provision with two colours (two bins) of blue and green per HH without red colour. The city plan for HH bins should be 3 or at least two colours per HH. So the total of communes for the Kampong Chhnang city is revised to four communes.
- The city governor requested one motorbike of bin cart because this motorbike cart can use both trash collection and fire distinguishing for narrow roads as this practice was done by Daun Penh district in Phnom Penh.
- All targeted communes will provide the beneficiary list of HH bins which are highlighted the priority of HH and targeted areas to the project team through Mr Salim.

- Phe er CC expressed the appreciation of the SWM work because he said that the city needs clean environment i.e. garbage clearance. The biggest challenge remains in the form of lower participation from the residents. The Collection Company and relevant authorities have tried best efforts to do. The lower participation is due low awareness and the absence of rule to prevent them from throwing anywhere.
- **Key Discussion- Flood preparedness and response**

- Sand bag was dropped by the meeting because the participants felt its need is limited and the bag cannot last for too long.
- The meeting participants also raised on the sectors of food distribution and shelters. These sectors are out of scope of work of the project.

Attendant list

A consultation meeting on solid waste management and community resilience -Kampong Chhnang

Date: 22 September 2021

ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ

ខេត្តកំពង់ឆ្នាំង
រដ្ឋបាលក្រុងកំពង់ឆ្នាំង

មន្ទីរមត្តមាន

ថ្ងៃចុះកិច្ចការសហប្រតិបត្តិការ ខ.ក.ក. ០៧/០៩/២០២១
ប្រអប់កំពង់ឆ្នាំង ២០២១ ខែ ០៩ ឆ្នាំ ២០២១

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១	យ៉ាង - លាង	ប្រុស	អគ្គនាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
២	ឧក. កាត	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
៣	យ៉ាង ច័ន្ទ	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
៤	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
៥	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
៦	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
៧	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
៨	De. DIANKAR	ប្រុស	TL	CMEI	០១៦១០២៧០៧		
៩	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
១០	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
១១	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
១២	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
១៣	ឧក. ឌី	ប្រុស	នាយក	នាយកដ្ឋាន	០១២៧៥២៨៨	០៧	
១៤							
១៥							

បានឃើញ និងឯកភាព
ប្រធានអង្គប្រជុំ

លេខាគម្រោង

យ៉ាង លាង

G09D - Environmental Improvement and Waste Management – Kampong Chhnang

Description	Quantity	Rationale and Geography for procurement	Specification	Update
Waste collection carts				
Two Wheel Mild Steel Hand Cart	10	2 per commune; - KgChhang Town, Phsar Chhnang, Kampong Chhnang, Pha'er, Khsam	Load Capacity: 200 Ltr, Material: Mild Steel, Spray painted metal parts, Sturdy tyres suitable for rough terrain, 100% Virgin Material	- two new communes requested by the meeting to add - 4 units increased
Garbage Rickshaw	10	2 per commune; - KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	Capacity 250 ltr, tiltable bin for emptying waste, Spray painted metal parts, Sturdy tyres suitable for rough terrain, 100% Virgin Material	- two new communes requested by the meeting to add - 4 units increased
Waste collection and handling equipment				
Gloves	100	20 Per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam		- two new communes requested by the meeting to add - 40 units increased
Shovel	100	20 Per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam		- two new communes requested by the meeting to add - 40 units increased
Spade	100	20 Per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam		- two new communes requested by the meeting to add - 40 units increased
Broom	100	20 Per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	Material: High grade plastic, Application: Waste and litter picking and sweeping, Usage: Cleaning, Quality: CE	- two new communes requested by the meeting to add - 40 units increased
Signboards	100	20 Per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam		- two new communes requested by the meeting to add - 40 units increased
Protective gear				

Safety Hats/ Helmets.	100	20 units per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	N40 Made in Korea	- two new communes requested by the meeting to add - 40 units increased
Respirators and dust masks.	100	20 units per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	Mask (Taiwan)	- two new communes requested by the meeting to add - 40 units increased
Safety Coveralls.	100	20 units per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	L1.2m VN	- two new communes requested by the meeting to add - 40 units increased
Safety footwear.	100	20 units per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	Super Sun Footwear (Singapore) size: 39 to 45	- two new communes requested by the meeting to add - 40 units increased
Safety Eye protection.	100	20 units per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	Len: clear, Singapore	- two new communes requested by the meeting to add - 40 units increased
Safety gloves.	100	20 units per Commune; KgChhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	Cotton (70), VN	- two new communes requested by the meeting to add - 40 units increased
Waste bins				
Waste bins- Households	1860?	2 per HH, - Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	"Size L480 * W420 * H440mm Little: 50 L Material HDPE Weight: 8.5 Kg Wall thickness: 4mm"	- two new communes requested by the meeting to add - 2 per hh for each HH beneficiaries. - xx units increased
Waste bins- Community	20?	4 per village+2 towns; Kbal Hong, Toul Makak, Kosh, Kbal Hong (Veal), Prolaythom, Samrong, Kandal, Chong Kosh	ចំណុះ 1100 លីត្រ កំរាស់ជ័រ ក្រាស់ Size:L1350*W1035*H1290mm Litre:1100L Material: virgin HDPE Weight(kg):50kg Wall thickness: 7.2mm 20GP:36pcs 40HQ:120pcs"	- 34 requested by the meeting

• **G09E - Community Preparedness and Disaster Resilience**

Description	Quantity	Rationale and Geography for procurement	Specification	Update
Small Boats				
Bala Smach 7.2m, Kubota 18kw,	1	1 per town x 2; Pursat and Kg Chhnang Town	Bala Smach 7.2m, Kubota 18kw,	- Dropped requested by both provinces
Bala Smach with steering	1	1 per town x 2; Pursat and Kg Chhnang Town	Bala Smach with steering 7.2x1.1m Th7mm; 4Cyl	- Requested by both provinces
Protective gear for flood management				
Life jacket	100	20 units/commune/town x5; - Kg Chhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	No 6, Made in VN	
Safety Coveralls.	100	20 units/commune/town x5; - Kg Chhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	L1.2m Made in VN	
Safety footwear.	100	20 units/commune/town x5; - Kg Chhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	Super Sun Footwear (Singapore) size: 39 to 45	
Shelter Support				
Sand bags	2500	2500/ province; PS & KPCH town		Dropped
Tarpaulin sheet	100	20 units/commune/town x5; - Kg Chhang Town, Phsar Chhnang, Kampong Chhnang, Ph'er, Khsam	4x6m, Korean made	Dropped four unit each for increasing numbers of HH bins

- List of HH bins Beneficiaries will be provided later after communes provide.
- List of Places of Community Bins will be provided later after communes provide.

ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ

- សួរទៅអ្នកចូលរួមថា តាមបទពិសោធន៍របស់អ្នកក្នុងកំឡុងពេលមករដូវវត្តមាន តើអ្វីក្នុងចំណោមវិធីសាស្ត្រទាំងនេះ?

ស្តាប់ចម្លើយអ្នកចូលរួម ម្ចាស់បកប្រែប្រាប់អ្នកចូលរួមអំពីការយល់ច្រឡំរបស់ខ្លួន ហើយចូលរួមដោះស្រាយ។

- មិនខ្វះបរិក្ខារពាក់សំបុត្រសម្រាប់ទទួលបានស្តាយ ឬសំបុត្រ ឬ អាវកាតព្រួងទៀត។
- ការដាក់ទៅដាក់ដោយខ្សែក្រវីសម្រាប់ស្ត្រីស្រី ជាពិសេសពេលមករដូវ លើកដំបូង
- ការបកប្រែនូវការងារនៅក្នុងប្រទេស
- ប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ
- ទុកដាក់សំបុត្រសម្រាប់ទទួលបានស្តាយស្រ្តីភាព
- មិនខ្វះស្តាយស្រ្តីភាព

អនុវត្តវិធីសាស្ត្រពេលមករដូវ

ស្តាយស្រ្តីភាព ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ

ស្តាយស្រ្តីភាព ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ

ស្តាយស្រ្តីភាព ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ

ស្តាយស្រ្តីភាព ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ

ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ

- ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ
- ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ
- ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ
- ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ

ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ

- តាមបទពិសោធន៍របស់អ្នក តើអ្វីក្នុងចំណោមវិធីសាស្ត្រទាំងនេះ អនាម័យនិងសុខភាព?

ស្តាប់ចម្លើយអ្នកចូលរួម និងចូលរួមទៅអ្នកចូលរួមដោះស្រាយបញ្ហាដែលកើតឡើង ពេលមករដូវវត្តមាន។

- ត្រូវប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ
- ប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ (ប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ)
- ប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ
- ប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ
- ប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ

១. សួរទៅអ្នកចូលរួម

- តើអ្វីក្នុងចំណោមវិធីសាស្ត្រទាំងនេះ អនាម័យនិងសុខភាព?

ត្រូវប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ

ត្រូវប្រើសំបុត្រសម្រាប់ទទួលបានស្តាយ ឬសំបុត្រសម្រាប់ទទួលបានស្តាយ

ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ

ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ

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អនុវត្តវិធីសាស្ត្រពេលមករដូវ

តើអ្នកទាំងអស់គ្នាបានអនុវត្តវិធីសាស្ត្រពេលមករដូវ?

ស្តាប់អ្នកចូលរួម រួចចូលរួមទៅអ្នកចូលរួមដោះស្រាយបញ្ហាដែលកើតឡើង ពេលមករដូវវត្តមាន។

- ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ
- ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ
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ស្តាប់ចម្លើយអ្នកចូលរួម រួចចូលរួមទៅអ្នកចូលរួមដោះស្រាយបញ្ហាដែលកើតឡើង ពេលមករដូវវត្តមាន។

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- ការអនុវត្តវិធីសាស្ត្រពេលមករដូវ

2.7. Photographs of the work in the month of June 2022

Meeting with the women members of the community in Kbal Hong Canal Area



Meeting with the community members in Kbal Hong Canal Areas





Meeting with the town authorities in Pursat on Waste Management and Disaster Risk Management



Field Assessment in Pursat for the Roofwater Harvesting by the Engineer and the PC- Pursat



Meeting with the PDOWA in Pursat on the IEC and Awareness Campaigns



Meeting with the PDOWA in Kampong Channang on the IEC and Awareness Campaigns



Meeting with the town authorities in Kampong Channang on Waste Management and Disaster Risk Management



Annex 01- List of Small Materials to be procured

Item	Description	Unit	Quantity	Unit rate (USD)	Amount (USD)	Rationale and Geography for procurement
A	Canal Clean up				\$ 25,850.00	
	Trash	m3	715.00	\$ 25.00	17875.00	trash is considered to be 0.1m thick for the distance of 1300 mt, the width of the canal is around 5.5 mts(1300x0.1x5.5=715 m3)
	Truck (6 M3)	day	30.00	\$ 200.00	6000.00	1 truck with 6 m3 capacity engaged for 30(4 trips per day) days to collect and drop the trash at the Pursat dumpsite (existing) 10 kms away
	Community Meeting	Meeting	8.00	\$ 50.00	400.00	
	Video Documentation, Communications and visibility	LS	1.00	\$1,575.00	1575.00	Coverage of the pre and post situation
B	Toilet Upgrades				\$ 14,100.00	
1	Supply and Install Toilet Upgrade in Toul Makak village in Pursat	set	25.00	300.00	\$ 7,500.00	upgrade support for HHs who constructed their toilets on their own, Toul Makak Village, Pursat
2	Supply and Install Toilet Upgrades in Kosh village in Pursat	set	22.00	300.00	\$ 6,600.00	upgrade support for HHs who constructed their toilets on their own, Kosh Village, Pursat
C	Household Water Filters				\$ 6,930.00	
1	Supply and Install Water Filters in Toul Makak village in Pursat	set	106.00	45.00	\$ 4,770.00	Toul Makak Village, Pursat
2	Supply and Install Water Filters in Kosh village in Pursat	set	48.00	45.00	\$ 2,160.00	Kosh Village, Pursat
D	Water Storage Containers				\$ 15,400.00	
1	Supply and Install Water Storage Containers in Toul Makak village in Pursat	set of 4	424.00	25.00	\$ 10,600.00	Toul Makak Village, Pursat
2	Supply and Install Water Storage Containers in Kosh village in Pursat	set of 4	192.00	25.00	\$ 4,800.00	Kosh Village, Pursat
E	Household Roof Water Harvesting Support				\$ 27,720.00	
1	Supply and Install Roof water harvesting support in Toul Makak village in Pursat	set	106.00	180.00	\$ 19,080.00	Toul Makak Village, Pursat
2	Supply and Install Roof water harvesting support in Kosh village in Pursat	set	48.00	180	\$ 8,640.00	Kosh Village, Pursat
	Total Estimate				\$ 90,000.00	

Annex 02-- List of Outputs with Timeline (list of Deliverables)

	Activities	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Outputs
1	CW09c -Household Sewerage Line Connections - Pursat and Kampong Channang <i>(Connect household to the main sewer line laid by the other components)</i>									
	Pursat-Kbal Hong- Assessments in Pursat (Kbal Hong) in close coordination with the provincial authorities.		#	#						Assessment Format, Final Report
	Pursat-Kbal Hong-Community Consultations to improve sanitation situation and local participation		#	#						Consultation Report
	Agreement of the procurement procedure for small materials			#	#					Procurement Procedure
	Pursat-Kbal Hong- small materials list for PMU review				#					Specifications and Procurement procedure
	Pursat-Kbal Hong- Procurement of small materials and delivery				#	#				Final Action Report
	KPCH-Inventory of existing on-site sewage disposal facilities and drainage/sewerage connection from house/building to the existing combined drainage/sewerage system				#	#				Inventory status report
	KPCH-Community Consultations to improve sanitation facilities and local participation				#	#				Consultation Report
	KPCH-Assessment of the technical and social options for collecting sewage from the back of the houses				#					Technical Feasibility Report
	KPCH-Identification of the ID poor who would need special assistance for installing connections to the sewerage system and would also need improvement of their sanitation facilities				#	#				Beneficiary list- ID poor list
	Training and Capacity Building			#		#				Training Report
	Completion of the action and handover							#	#	Completion Report
2	G09d-Environmental Improvement and Waste Management - Pursat and Kampong Chhnang <i>(Delivery of in kind support for environment and waste management actions)</i>									
	KPCH-Mapping of collection routes, underserved areas, limited irregular or no solid waste collection		#							Assessment Format, Final Report

	Community Consultations to improve collection and the willingness of the local people to participate in the improvement of waste collection.			#	#					Consultation Report
	update solution of collection routes			#	#					Technical Proposal of Routes
	Identification of material assistance (bins, skips etc.).			#	#					Assessment Report
	Detailed specs and designs, types for in kind goods support Waste management support - HH & community level			#	#					Bidding Document
	Delivery of waste collection and handling equipment, protective gear, Vermicomposting supports, Waste bins at community& HH level				#	#	#			Monitoring Report
	Training and Capacity Building - vermi composting / management groups				#		#			Training Report
	Support the formation of waste management groups					#				Consultation Report
	Completion of the action and handover							#	#	Completion Report
3	G09E-Community Preparedness and Disaster Resilience <i>(Hardware solutions and Goods support to enhance preparedness and resilience)</i>									
	Revised Assessment of Community Preparedness and Disaster Resilience			#						Assessment Format, Final Report
	Field Verification and Validation			#	#					Field Verification Report
	Approval and Documentation actions			#	#					Approval Document Se
	Detailed technical information package (sites, specs, units and types)				#	#				Bidding Documents
	Procurement and Construction of proposed assets - high raised platforms, Waste management structures etc.				#	#	#	#		Monitoring Report
	Procurement and delivery of materials - Portable radios etc.				#					Monitoring Report
	Training and Capacity Building				#		#			Training Report
	Assets Handover				#	#	#	#		Monitoring Report
4	G09F Household Support <i>(Provide HH improvement support 154 ID poor and needy households)- part of the small materials action</i>									
	Approval 47 additional HHs to the original list of 107 HHs and additional HHs if any			#	#					Approval Document Se
	Agreement of the procurement procedure for small materials				#	#				Procurement Procedure

	Small materials list for PMU review			#	#					Specifications and Procurement procedure
	Delivery of HH support- water filters			#	#	#				Action Report
	Delivery of HH support- Roof water harvesting supports			#	#	#				Action Report
	Delivery of HH support- Water storage containers			#	#	#				Action Report
	Delivery of HH support- other HH toilet improvement upgrades			#	#	#	#			Action Report
	Training and Capacity Building			#	#	#				Training Report
	Assets Handover					#	#			Completion Report

* *The deliverables will be submitted with the monthly report*

2.8. GENDER ACTION PLAN Monitoring Table

Date of Update: June, 2022

Project Title: Integrated Urban Environmental Management in the Tonle Sap Basin Project (RRP CAM 42285)

Country: Cambodia

Project Number: RRP CAM 42285

Type of Project (Loan/Grant/TA): Loan 0454

Approval and Timeline: 10 November 2015 – 30 April 2023

Gender Category: Effective Gender Mainstreaming (EGM)

Mission Leader: Alexander Nash

Project Impact: Increased economic activities and environmental protection in towns in the Tonle Sap Basin.

Project Outcome: Improves urban services and enhance climate change resilience in Kampong Chhnang and Pursat municipalities.

GENDER ACTION PLAN	Progress as of June 2022	Remark
Output 2: Urban Infrastructure improved.		
2.1.1 Sanitation grants to ID Poor 1 and 2, including at least 20% female-headed households if categorized as ID Poor 1 or ID Poor 2. DMF 2d Target 3: On-track	<ul style="list-style-type: none"> ▪ Out of total 107 household from ID Poor 1&2, 54 (50%) FFHs have received latrines. ▪ The project had consulted the women folks in large and small gatherings owing to the pandemic restrictions, all 107 beneficiaries (Households) of the toilets were consulted for inputs. ▪ Those households receive 100% of subsidies. 	
2.1.2 Meaningful consultation with women on detailed designs to ensure their needs and preferences are incorporated, and to include woman and child safety measures (e.g., sidewalk and drainage covers during construction, lighting during night work, appropriate construction barriers, child-safe storm water drain covers, fencing around wastewater treatment lagoons, kitchen, bathroom, lockers and changing facilities & PPE at	<ul style="list-style-type: none"> ▪ Out of total participants, xxx (xx %) women have been consulted on the design of the infrastructures. ▪ The Small Scale infra has been designed with specific inputs from women. The design of the toilet is an example. All other proposed actions will have an essential component of women inputs and feedback. ▪ The designs incorporate the needs and safety of women including: sidewalk, drainage covers, solar lighting along access road to landfills, appropriate construction barriers, child-safe storm water drain covers, fencing around wastewater treatment lagoons, kitchen, separated bathrooms, lockers and changing facilities & PPE at landfill sites. 	

<p>landfill sites where waste pickers March present).</p> <p>Action 4: On-track</p>		
<p>2.1.3 Incorporate menstrual hygiene management features in communities for improved solid waste management (e.g., bins in separate public toilet stalls). Specific support to schools to restore on-site sanitation facilities where these are degraded or non-functional, including appropriate sanitation for girls.</p> <p>Action 5: on track</p>	<ul style="list-style-type: none"> ▪ The women folk in the target villages are being consulted regularly on the project actions. The specific focus of the action has been to have separate and focused meetings with the women folk. In the month of June, the team held consultations with the women folk in Kbal Hong canal site. ▪ 12 women attended the meeting and provided the inputs. The women provided the inputs on the need for sanitation facilities, waste management features, the need for integrating their voices into the canal clean up. They also provided good inputs into the clean of the canal and assured all possible help in the effort. ▪ Further consultations will be held in the month of July and Aug 2022 in Pursat and Kampong channang. 	<p><i>Comment: EA/PADEK agreed to implement Q4-2022.</i></p>
<p>2.1.4 Meaningful consultations with women in Kampong Chhnang and Pursat on priority small scale infrastructure improvements (e.g., gender-specific requirements for public infrastructure, such as separate latrines for women with trash bins, if appropriate).</p> <p>Action 6: On-track</p>	<ul style="list-style-type: none"> ▪ Out of total xxx participants, xx (percentage) women engaged in the consultation of priority small-scale infrastructures. ▪ The location of the installation and design of latrine has been consulted to women to ensure their safety access. ▪ The waste collection routes have been mapped and consultations are planned to be held in the month of July and Aug 2022 to understand the gaps and needs of the communities. ▪ Efforts will be undertaken to ensure that the voice of the women will be heard and scope ensured for these to be integrated into the design solutions. 	
<p>2.1.5 PIU and NGO to work closely with PDOWA and WCCC on ensuring women's participation in project activities.</p> <p>Action 7: on track</p>	<ul style="list-style-type: none"> ▪ The team met with the PDOWA teams in the 2 provinces in the month of June 2022. It was agreed that the PDOWA staffs will provide full support to the training and capacity building actions of CMEI. They also agreed to provide the training hall for the training actions. ▪ The PDOWA also agreed to support in the IEC actions. They have iEC provided by other donors which they will be sharing with our teams for wider dissemination of the much needed community awareness of gender needs. ▪ The PDOWA also agreed to have monthly meeting the PC of the CMEI team in the province. This will be a good platform to update each other on the actions and plan ahead for the next steps ▪ The PDOWA will also support Padek in the campaign action. This will be further deliberated and detailed out as an action plan in the further meetings. 	<p><i>Comment: PADEK will engage in its campaigns by Q4-2022.</i></p>

Outputs 3: Institutional Effective Improved		
<p>3.1.3 Gender-sensitive hygiene promotion campaigns conducted in each participating municipality with women accounting for at least 40% of participants (2020 baseline: n/a).</p> <p>3c</p> <p>Target 6: On track</p>	<ul style="list-style-type: none"> ▪ The CMEI team in its meeting with PDOWA has discussed the training and campaign actions. ▪ It was agreed that we will have training conducted for the provincial staffs in the month of August 2022. 	<p><i>Comment: Padek will implement the activity by Q4-2022.</i></p>
<p>3.1.4 At least 40% of participants in CMEI activities and training are women.</p> <p>Target 7: On-track</p>	<ul style="list-style-type: none"> ▪ The Project has conducted 11 trainings with 3 topics: (1) Health and Hygiene Promotion; (2) Hazard Vulnerability Capacity Assessment/participatory vulnerability capacity assessment; and (3) Disaster Risk Reduction and Climate Change Adaptation. ▪ A total of 350 (215 females or 61%) vulnerable community members have been trained. The trained participants consist of 61% (215) women, 13% (45) elders, 8% (27) students and 7% (7 physically challenged) specially abled. ▪ Public health trainings were organized in Kampong Channang for 9 participants in 2 rounds with 6 women participants in each trainings (66%). ▪ The process of design and implementation for CMEI Project is ensuring active women's participation in the target communities and schools in close collaboration and coordination with PIU and PDOWA, WCCC as well as NGOs who implement WASH activities in the operational Geography. ▪ The campaigns will further add to the numbers of people reached. 	
<p>3.1.5 Hygiene IEC campaigns covers topics that are important for women (e.g., at least 30% of hygiene campaigns focus on menstrual hygiene and solid waste management).</p> <p>Target 8: on track</p>	<ul style="list-style-type: none"> ▪ The public health trainings have covered a series of women and child based topics including maternal and child care, mensural hygiene, solid waste management and environmental sanitation and will continue ▪ The campaigns will be launched in august 2022 and will prioritize, at least 50% of menstrual hygiene and solid waste management topics along with the training actions. ▪ The training conducted have trained 350 (215 females or 61%) vulnerable community members. The trainees found the trainings useful, as they understand and aware about the health issues arising from lacking of sanitation and disorderly dumping. ▪ The next iteration of the IEC will have the mensural hygiene and SWM. The campaign will cover the mural hygiene issues and the work is being currently conducted on this action. 	<p><i>Comment: PADEK agreed to develop IEC on menstrual hygiene and solid waste management by Q3-222.</i></p>

<p>3.1.6 Capacity development and IEC materials will be gender-sensitive.</p> <p>Action 10: on track</p>	<ul style="list-style-type: none"> ▪ The CMEI Project has published a first round of IEC posters which were certified by MRD and the WATSAN group Cambodia and have been disseminated in the field with good receptivity ▪ There 600 printed IEC have been distributed: 300 posters have been distributed to 3 villages (Koh=100, Kbal Hong = 100 and Roleap = 100) of Pursat towns, plans are underway to further share 6,000 posters through awareness campaigns ▪ The IEC development is underway and the CMEI team has discussed the IEC with the key think tanks in the country and also in other nations including Nepal to being in the best of available materials in the filed on mensural hygiene. The team will consult IEC materials and the content in detail with the PMIS gender focal and the ADB consultant in the month of July and finalise this action 	<p><i>Comment: PADEK will integrate gender into the next IEC material to be developed by Q3-222</i></p>
-----------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------

There are 9 numeric indicators consisted of 4 targets and 5 actions. It's included 2 numeric DMF indicators,

Kampong Chhnang Sanitation Inventory

Location of the house/building within the service area

Commune

- Phsar Chhnang
- Ph'er

Village

- Kampong Ous
- Kandal
- Mong Barang
- Khleang Prak
- Ti Muoy
- Ber
- Koh Krabei
- Trapeang Bei
- Samraong
- Damnak Popul
- Ti Bei
- Ti Pram
- Ti Prampir
- La Tuek Trei

Geotagged Location

Record GPS location in front of the building

latitude (x.y °)

longitude (x.y °)

altitude (m)

accuracy (m)

**Clasification of urban structures****Type of building**

- Rudimentary or informal dwelling
- Single house; space around the house
- Single house in a row of houses
- Small multi-story building
- Large multi-story building
- Industrial building/estate
- Large commercial building (market, supermarket, department store, mall)
- Service station, workshop
- House/building on stilts

Use of the building

- Residential
- Small commercial establishment (single story shop house)
- Large commercial establishment
- Mixed commercial and residential (ground floor shop, upper floor(s) apartments)
- Hotel/guesthouse
- Administrative Institution
- Medical facility (hospital clinic)
- Financial services (banks, micro credit providers etc.
- Offices

Take a photo of the building

Click here to upload file. (< 5MB)

Social Status

- ID poor
- Non-ID Poor

Ownership

- Rented
- Owned

Sewage and storm water drainage/disposal**Sewage disposal**

- No formal sanitation facilities
- Latrine
- Soak pit
- Disposal in local drain without on-site treatment
- Connection to municipal drainage pipeline without on-site treatment
- Septic tank with on-site effluent drainage
- Septic tank with effluent connection to municipal drainage pipeline
- Communal collection and local untreated disposal
- Communal collection with connection to municipal drainage line
- Unknown

Location of on-site treatment facilities

- No on-site facilities
- Soak pit or septic tank in the front of the building
- Soak pit or septic tank in the back of the building
- Soak pit or septic tank under the building

Take photo of the on-site sanitation facility or existing connection to the drainage line

Click here to upload file. (< 5MB)

Access for connection of existing on-site facilities

- Existing separate sewerage and drainage connections to municipal drainage line
- Existing combined sewerage/drainage connection to municipal drainage line
- Unencumbered access from the front and the back of the building
- Unencumbered access from the front and access from the back of the building through private or communal properties
- Access from the front through or under the building, unencumbered access from the back
- Access from the front through or under the building, access from the back of the building through private or communal properties
- Access from the front through or under the building, no access from the back of the building

Take a photo of possible access

Click here to upload file. (< 5MB)

Storm water disposal

- No formal drainage
- Collection and disposal in local drain or road gutter
- Collection with separate connection to the municipal drainage line
- Collection and combined drainage/sewage connection to the drainage line
- Communal collection and disposal in local drain or road gutter
- Communal collection and separate connection to the municipal drainage line
- Communal collection and combined connection with sewage disposal to the municipal drainage line
- Unknown

take a photo of any storm water collection facilities (collection pipes, junction boxes, open drains)

Click here to upload file. (< 5MB)

Acceptability Index

	1	2	3	4	5
Satisfaction with present disposal of sewage and storm water drainage from your premises	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Would you like to improve the disposal of sewage and drainage water from your premises	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Would you agree to connect to a new sewage system at the front of the property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Would you agree to connect to a new sewage system at the back of the property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Would property owners agree to install sewage collector lines at the back of the building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Would you agree to the payment of a fee/tariff for sewage collection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

ចលនាសហគមន៍ និង ការកែលម្អបរិស្ថាន

Community Mobilization and Environmental Improvement **CMEI**

CMEI Project

The CMEI project supported by MPWT and funded by ADB is being implemented across the vulnerable areas of Cambodia. The Project looks at the interconnections between infrastructure developments, urban management, water and climate change in Tonle Sap Region specifically in the two provinces of Pursat and Kampong Chhnang in Cambodia.

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