

# Resettlement Due Diligence Report

Project Number: 43309-013

March 2019

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## CAM: Provincial Roads Improvement Project

(Loan 2839/8254/3442 and Grant 0278)

Additional Scope of Works, Srok Dikes, Kampong Leaeng District,  
Kaompong Chhnang Province

Prepared by Ministry of Public Works and Transport, Kingdom of Cambodia for the Asian Development Bank.

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KINGDOM OF CAMBODIA

NATION RELIGION KING

ជាតិ ព្រះមហាក្សត្រ

Ministry of Public Works and Transport

No. 127 MPWT/PMU3

05 April 2019

**Ms. Sunniya Durrani-Jamal**

Country Director

Cambodia Resident Mission (CARM)

Asian Development Bank

Ref: ADB Loan No. 2839-CAM (SF)/8254-CAM and Grant 0278-CAM: Climate Resilience for Provincial Roads Improvement Project

**Subject: Submission of Due Diligence Report for Additional Scope of Works, Srok Dike, Kampong Leaeng District, Kampong Chhnang Province**

Dear Country Director,

We refer to Para 8 and 34 of MOU signed on 18 March 2019.

Project Management Unit 3 (PMU3) of Ministry of Public Works and Transport finalized the Due Diligence Report for the additional works for Srok Dike in Kampong Leaeng District, Kampong Chhnang Province and herewith would like to submit the Report for your review and approval.

Please accept, Excellency Country Director, the assurance of our highest consideration.

**PHENG Sovicheano**

Project Director, PMU3

Secretary of State

Ministry of Public Works and Transport

Cc: H.E PEN Thirong, Director General, GDICDM, MEF  
Mr. CHHUON Samrith, Deputy Director General, General Department of International Cooperation and Dept Management, MEF  
Mr. YI Sokthearith, Director, Dept. of Multilateral Cooperation, GDICDM, MEF  
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Enclosure (as stated)

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## **Social Safeguard Due Diligence Report**

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Project Number: 43309-013  
Loan 2839/8254/3442/Grant 0278

CAM: Provincial Roads Improvement Project

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**Additional Scope of Works, Srok Dike, Kampong Leaeng District,  
Kampong Chhnang Province**

21 March 2019

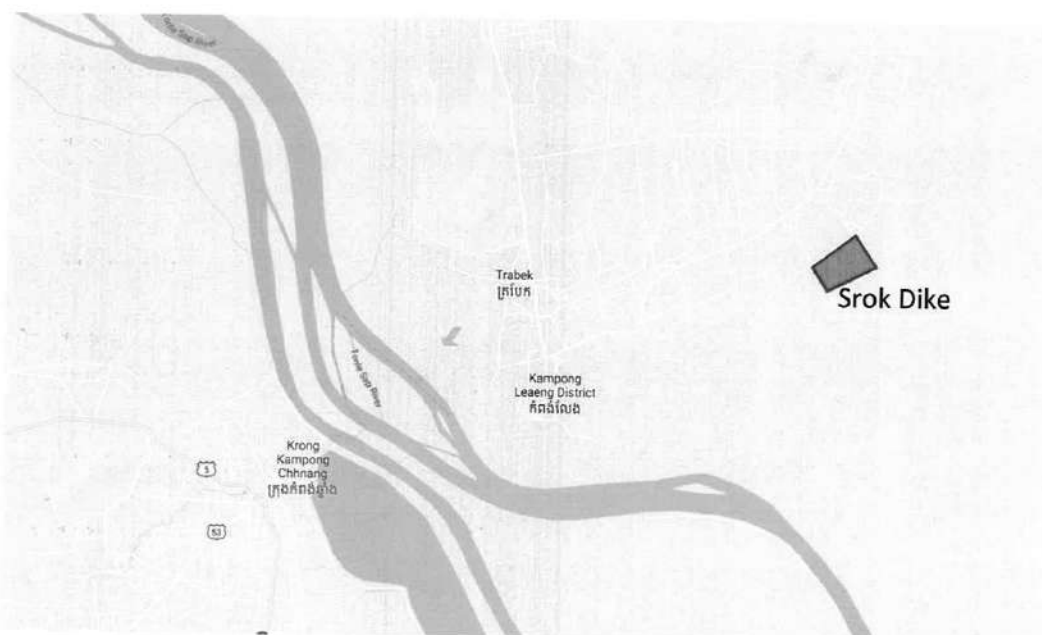
Prepared by the Ministry of Public Works and Transport  
for  
the Asian Development Bank

This report is a document of the Borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

## 1. Introduction

1. The ADB review mission carried out from 21-26 February 2019 to (i) undertake assessment of project implementation progress; (ii) follow up on the remaining procurement packages and the implementation of the agreed time-bound actions during the last review mission; (iii) identify key challenges and explore necessary measures to expedite the civil works implementation completion and to ensure that all subprojects/activities are completed before the current project closing date; (iv) confirm the loan/grant covenants compliance; and (v) update the Project Administration Manual following the recently approved minor changes in implementation arrangements.
2. The mission visited Srok dike rehabilitation in Cheung Kruos village. The physical dike was completed in August 2018 and the contract completion was in December 2018. The dike was eroded during the annual flooding season and the Contractor will rectify the defects. Special slope protection solution for Srok dike needs to be considered and implemented following the actual site condition before next flooding period for the sustainability of this dike. The mission also observed during the site visit that farmers are benefiting water for irrigating their rice fields and the three dikes could irrigate more than 800 ha, according to consultation meeting with beneficiary farmers.
3. Hence the Ministry of Public Works and Transport (MPWT) is considering utilizing remaining fund saving from the Loan 8254 to propose for the Srok dike slope protection. Two technical options are being considered: (i) geotextile with rock-fill or (ii) grouted riprap, with the estimated costs of \$352,450.00 and \$569,447.40, respectively. This additional work is estimated to be completed within four months.
4. Based on the decision, two staff members from the MPWT's Environment and Social Office (ESO) and Project Management Unit (PMU) together with the ADB safeguards consultant carried out environmental and social impacts screening and public consultation meeting with beneficiary farmers on 7 March 2019 to assess the environmental and social effects of the proposed additional scope of works, as part of due diligence for additional works on Srok dike.

Figure 1: Subproject Location



## 2. Field Impact Assessment

5. The civil work of the subproject was completed in December 2018. The new constructed Srok dike was eroded during the annual flooding season and the Contractor will rectify the defects and a special slope protection solution against erosion needs to be considered by MPWT whether with the method of riprap or geotextile with rock-fill.
6. The field visit was carried out during the ADB mission and on 7 March 2019 to assess the potential associated resettlement impact of the proposed additional scope of works. Additional scope of work and the corridor of impact regardless of the slope protection solution, is directly within the dike slope that is sufficient for maneuver. It is found that there is no tree and/or structures<sup>1</sup> within the corridor of impact of the additional scope of work on the dike. It is observed that there is space from 4-6 meters between the dike's toe and farm land. Hence, no farm land will be affected for the slope strengthening measure. Therefore, the new scope of work confirms to be classified as C as it has no involuntary resettlement impact.

## 3. Information Disclosure, Consultation and Participation

7. On 7 March 2019 a consultation meeting was held in Cheung Kruos village, Svay Rumpear commune of Kampong Leaeng district with the participation of two staffs from MPWT including one staff from ESO, ADB CARM safeguards consultant, local authorities from district office, commune office and farmers. In total mission consulted 51 persons of which 9 were women (list of participants attached in appendix 1).
8. Two separate meetings were conducted: (a) consultation with local authorities including village and commune chiefs and district officers; (b) consultation with farmers. Table below presents the discussion, comments, suggestion that result from the consultation meetings<sup>2</sup>. The existing GRM established for Provincial Road Improvement Project (PRIP) will serve this subproject as well. All participants including local authorities were informed about the GRM and each step during the grievance redress process was spelled out during the consultation meeting.

Table 1: Summary of Consultation, Cheung Kruos Village

Suggestion/Questions	Comments/Answer
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<sup>1</sup> Photos from field visit are in appendix 3.

<sup>2</sup> The minutes of meeting in Khmer presented in appendix 2 of the report.

Suggestion/Questions	Comments/Answer
<p>Presentation of the project background and the need and scope for additional scope of work on Srok dike. The flood caused erosion of the dike and this rectification will be under the liability period of the contractor which will be finish by end of March 2019, the consultant added. Lesson learned from this erosion, the MPWT is considering solution options to protect the dike for sustainable use. Two technical options are being considered: (i) geotextile with rock-fill or (ii) grouted riprap.</p> <p>The purpose of the meeting was to seek comments, reactions or suggestions as well as feedback/concern on any potential impact of the additional scope of works arising from the proposed two options.</p>	
<p><b>Local Authorities</b></p> <p><b>Involuntary Resettlement:</b> There is no structure or farming field to be affected by the proposed additional scope of work, since it will be implemented within the already built embankment/slope of the dike. The contractor can use the vacant public land near Cheung Kruos village for the camp site. It's the area that was used for the same purpose earlier during construction. No need for temporary or permanent land acquisition to prepare for the camp site.</p> <p><b>Environment:</b> Only minimal temporary impacts such as noise, dust, solid waste during construction are expected from the riprap or rockfill of the slope. Public land near Cheung Kruos village can be used for locating camp site.</p>	
<p><b>Mr. Dy Oeun:</b> Thank you to the team that pay attention to the erosion of the dike. He expressed that the dike will be stronger and last longer if any of the method will be used to build the dike. When the repair work will commence?</p>	<p><b>A:</b> The repair of the dike defects will commence and finish by March 2019. The timing for additional scope of work/strengthening of the dike is not known at the moment. However, local authorities and farmers will be informed about the schedule after the Contractor is selected.</p>
<p><b>Mr. Eng Hean:</b> Suggest to MPWT to help excavate small canal around the dike with one meter wide and one meter depth at the toes of Srok dike embankment. A small portion of earth canal on the North-eastern side of the embankment was dug with the participation from farmers on the public land between the embankment and the cultivation field. Farmers need this small dike to further distribute to farther rice field. Can the project help?</p>	<p><b>A:</b> During the ADB review mission, we observed the small portion dug by farmers as mentioned. MPWT will need to study the request and revert back with the response. The mission confirms that the area is free from any resettlement impact. Local authority ought to discuss this with the Contractor who may need soil for the repair of the dike by digging the soil from the proposed canal location as mentioned.</p>
<p><b>Mr. Chuon Khon &amp; Dy Oeun:</b> Request to MPWT to make a better access for power tiller to drive up and down with no accident. Recently there is an accident/turnover of the power tiller because it is very slippery and too steep but no injury fortunately.</p>	<p><b>A:</b> The field observation, confirm very steep slope which may cause difficulty for driving the power tiller from the rice field to the dike crest. The slope standards need to be followed, and calculated for the ease of vehicle to go up and down safely. PMU3 of MPWT will study the suggestion.</p>
<p><b>Pubic Consultation</b></p>	
<p>The safeguards consultant especially asked the farmers who have farm lands next to the dike to express their feeling and their concern of impacts to the rice field during the construction resulting from the proposed additional scope as well as the proposed one-meter canal at the toe of the slope to irrigate remote rice fields. The discussion open to any concern not only limited to social and environmental issue.</p> <p>There is concern on source of material to be used for the construction, but it is reported that there is an existing operation quarry site in Kampong Leaeng licensed by the Ministry of Mines and Energy, where all materials can be used for the construction of the Dike.</p>	
<p><b>Farmer:</b> His farm land is next to the Dike but the construction of one-meter canal is important so that farmers do not need to drain water from the reservoir by using the pipe buried under the dike</p>	<p><b>A.</b> The bypass pipe to drain water from the reservoir was observed during the field visit and agreed that the construction of the small canal is beneficial. This proposal will be conveyed to the</p>

Suggestion/Questions	Comments/Answer
to channel water to their rice field. Building the small canal can save water and farmers will not have difficulty to dive into the reservoir close and open the pipe in order to drain water. He confirmed that there will be no impact from the repair of the dike and digging the canal.	attention of the PMU3 of MPWT for consideration. No promise can be made at this time.
<b>Farmer:</b> Fishery is the secondary occupation for people in Kampong Leaeng district and this area looks like a sea during flood season. The boats may travel on top of the Dike since it is not visible and may cause damage of the dike crest or slope again. On the other hand, people need safety area/site during strong wind/storm. As a farmer, I would like to request MPWT to consider building two safety shelters during flooding season and these can be of multipurpose use during harvesting season. By building the shelters the ship/boat's captain would also avoid the Srok dike and no concern about the damage that will cause by the transportation boat/ship.	<b>A:</b> This suggestion is not within the work scope. There are many other options and approaches for funding for this if the issue can be escalated to district and provincial level.

#### 4. Grievance Redress Mechanisms (GRM)

9. The GRM was established for the Provincial Road Improvement Project (PRIP) and it is still functioning and applicable to all subprojects under PRIP. All participants are made fully aware of their rights during the consultation, and the detailed grievance redress procedures also explained. The grievance redress process includes following stages:

**First Stage:** AHs will present their complaints and grievances verbally or in writing to the village chief, commune chief or MPWT working group or IRC that was already established for PRIP. The receiving agent will be obliged to provide immediate written confirmation of receiving the complaint. If after 15 days the aggrieved AH does not hear from the village and commune chiefs or the working groups, or if he/she is not satisfied with the decision taken in the first stage, the complaint may be brought to the District Office.

**Second Stage:** The District Office has 15 days within which to resolve the complaint to the satisfaction of all concerned. If the complaint cannot be solved at this stage, the District Office will bring the case to the Provincial Grievance Redress Committee.

**Third Stage:** The Provincial Grievance Redress Committee meets with the aggrieved party and tries to resolve the situation. Within 30 days of the submission of the grievance, the Committee must make a written decision and submit copies to the MPWT, PDPWT, and the AH.

**Final Stage:** If the aggrieved AH does not hear from the Provincial Grievance Redress Committee or is not satisfied, he/she can bring the case to Provincial Court. This is the final stage for adjudicating complaints.

#### 5. Conclusion and Recommendations

10. From the field visit and consultations conducted on the subproject site it is concluded that:
1. Consultations found that farmers expressed support for additional scope of work since the dike may erode further again if no protection measures are taken. In addition, there are no structures nor trees along the dike and there is space between the toe of dike and farming lands where farmers propose to improve the small canal irrigating remote rice fields.

2. Farmers made some proposals/suggestions for MPWT to consider such as: (a) correction of the steep slope of existing access road for power tiller from the farm land to the dike crest, where it serves as transportation road to and from the farm land, to avoid accident; (b) excavate one-meter wide canal at the toe of the dike slope to irrigate remote rice fields.
3. The proposed additional scope of works either riprap or rock-fill with geotextile, has no resettlement impacts nor environmental impact as all the proposed works are expected to be within the existing slope which is still under the liability period and needs to be rectified before the additional scope can commence.
4. MPWT shall closely monitor the Contractor during construction to ensure that there is no impact on the productive land, and all the works are implemented within the dike slope and toe. Any temporary impacts caused by the contractor during construction will be promptly compensated at full replacement cost in accordance with the provisions set forth in the RF agreed for the project. Any payments made by the contractor will need to be documented in the safeguards monitoring reports including the photos and payment receipts.
5. MPWT will include this DDR as part of the bidding documents to ensure that Bills of Quantities of the selected contractor contains relevant estimated allocations to cover temporary impacts.

Appendix 1: Participants List of Consultation Meeting, Cheung Kruos Village

ព្រះរាជាណាចក្រកម្ពុជា  
ជាតិ សាសនា ព្រះមហាក្សត្រ  
2020-09-08

រដ្ឋបាលឃុំស្វាយរំពារ

បញ្ជីចូលរួម

ស្ថិតិ : ការវាយតម្លៃសហគមន៍ ក្នុងការអភិវឌ្ឍន៍មូលដ្ឋានសេដ្ឋកិច្ច

ឃុំ ស្វាយរំពារ

ថ្ងៃ ព្រហស្បតិ៍ ២ កើត ខែ ឆល្គ ឆ្នាំ ឥសាន្ត ព.ស ២៥៦២

ក្រសួងព្រៃធំ ០៧ ខែ មីនា ឆ្នាំ ២០១៨

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ព្រះបាទស៊ីហង់ ១៩៩៩ បានប្រកាសឲ្យមានការសម្របសម្រួល  
ច្បាប់ស្តីពីការស្រាវជ្រាវ និងការអភិវឌ្ឍន៍ ដែលបានប្រើប្រាស់  
ប្រព័ន្ធស្រាវជ្រាវ។

ပဋိဂော ခြံ နှင့် ဖေ့ဗီလူ ဘုရားပြုလုပ်ရန် ခံယူမိသော  
 ဓာတ်သတ္တန် ၂ နှစ်သတ္တန် နှစ်ချပ် ပြုလုပ်သော နှစ်ချပ် နှစ်ချပ် နှစ်ချပ်  
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မန္တလေးမြို့နယ်အတွင်းရှိ လူမှုရေး ဓာတ်လျှောက် ဓာတ်လျှောက်  
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ပြတိုက်အမှတ် ၇



၅၃-ကျွဲစို့ခွ

১৯৭৭ সাল

ॐ नमो भगवते वासुदेवाय

### Appendix 3: Photos of the Srok Dike and Consultation Meeting

Meeting with Local Authorities



Public Consultation Meeting



Erosion Caused by Flooding





Existing small canal initiated by local farmers



Access Road for Power Tiller



Steep Slope that makes the current Access Road for Power Tiller unsafe



View of small canal area that shows no impact

