# Resettlement Due Diligence Report

25 July 2017

# Cambodia: Provincial Water Supply and Sanitation Project Kampong Cham Water Supply Subproject

Prepared by the Ministry of Industry and Handicraft for the Asian Development Bank (ADB).

### **CURRENCY EQUIVALENTS**

(as	of 25	July 2017)
Currency unit	_	riel (KR)
KR1.00	=	\$0.000244
\$1.00	=	KR4,094

#### ABBREVIATIONS

ADB	-	Asian Development Bank
AH	-	Affected Household
AP	-	Affected Person
DDR	-	Due Diligence Report
HH	-	Household
O&M	-	operation & management
PIU	-	Project Implementation Unit
PMU	-	Project Management Unit
PPTA	-	Project Preparation Technical Assistance
PWSSP	-	Provincial Water Supply and Sanitation Project
RF	-	Resettlement Framework
RoW	-	Right of Way
RP	-	Resettlement Plan
WWTP	-	Wastewater Treatment Plant

#### WEIGHTS AND MEASURES

ha	-	hectare/s
km	-	kilometres
km <sup>2</sup>	-	square kilometres
Lpcd	-	liters per capita per day
l/s	-	liters per second
m	-	meter
m²	-	square meter
m <sup>3</sup>	-	cubic meter
m³/day	-	cubic meter per day
sqm	-	square meter

#### NOTE

In this report, "\$" refers to US dollars.

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## I. OVERVIEW OF THE PROJECT

#### A. Background of the Provincial Water Supply and Sanitation Project

1. The Provincial Water Supply and Sanitation Project (PWSSP) is to improve and expand urban water supply in selected towns and wastewater and septage management services in the same towns to contribute to the Government's targets for urban water supply and effective urban sanitation. The PWSSP outputs includes: (i) water supply systems improved and service coverage increased through the development of new water supply intakes and treatment facilities, replacement of old water mains, and expansion of the distribution network; (ii) septage management and sewerage services provided through the provision of septage collection and treatment and the development of expanded sewerage systems; and (iii) project implementation and operation and maintenance (O&M) developed to complement ongoing institutional development and capacity building in procurement, financial management, and governance.

2. The PWSSP will extend water supply coverage and treatment in Battambang, and Kampong Cham and sanitation coverage and wastewater treatment capacities with improved septage management in Battambang and Sihanoukville, and improved septage management in Kampong Cham. The project will also provide for the replacement of the failed interceptor sewer in the town of Siem Reap.

#### B. Proposed Kampong Cham Water Supply Subproject

#### 1. Existing Facilities

3. In 2015 the Kampong Cham water system served 36,041 persons, about 79% of the total households (8,823) with 6,931 connections. The existing WTP produces 8,000 m<sup>3</sup>/day with a new JICA WTP which came on stream in July 2016, adding an additional 11,500 m<sup>3</sup>/day. The water sources are from groundwater bores (for the previous supply system) and the Mekong River, for the recently commissioned JICA water supply extensions. The system combining the previous and the new JICA WTPs is operated 24 hours/day. With the additional JICA improvements the total capacity of water treatment plants in Kampong Cham in 2016 is 19,500 m<sup>3</sup>/day. The total piped network of 166.5 km serves an overall coverage area of 4,311ha (43 km<sup>2</sup>) including Ro-Ang and Ampil commune in Kampong Siem District.

#### 2. **Proposed Improvements**

4. The proposed subproject components will supplement the existing system and support the Royal Government of Cambodia's (RGC) policy on water supply in providing safe water to all people by 2025. To cover the water demand of next 20+ years (2040), achieving a population coverage of 90-100% in Kampong Cham and 85% of the three communities nearby the town, the main components of the sub-project are:

- (i) Additional WTP of at least 17,000 m<sup>3</sup>/day to provide sufficient capacity until 2040;
- (ii) 120km of network (coverage area of 3,489 ha);
- (iii) Served population (to 2040): approximately of 31,182 families making a total of 140,318 persons, out of which 71,562 are women (50.9%).

5. The construction of the WTP and networks would be phased to meet the demand of target Year 2025 initially with a design capacity of  $11,600 \text{ m}^3/\text{day}$  and is proposed to be under a Design, Build and Installation contract, and tendered on a performance basis with a 2.5 year contract

period. The distribution network is to be implemented under a Build and Measure contract following detailed design to be performed by PIAC/PWW, with a 2 year contract period from 2019 to 2021.

6. The proposed water supply sub-project in Kampong Cham provincial town composes of 3 main components:

- (i) Water Treatment Plant;
- (ii) Water Intake Station;
- (iii) Water Supply Distribution Network.

7. The new WTP to cover the demand until 2025 is to be located in a public land belonging to the Kampong Cham DIH with an area of 1.3 ha at Ta-Neng village, Sangkat Sambour Meas, Kampong Cham. It is located 3km from the present provincial waterworks office. A conventional treatment plant is proposed with processes similar to the existing plants funded by ADB and JICA.

8. A new water intake station on the Mekong River is proposed approximately 50m downstream from the JICA's intake in Kampong Cham. The structure will be constructed with adequate space for the installation of additional pumps for the additional capacity beyond 2026 to year 2040 (Phase-2). In the meantime the pump and electrical facilities will be installed with capacity for year 2025 (Phase-1) requirements.

9. The pipelines will consist of distribution pipelines comprising transmission mains, secondary pipelines and house connections. All distribution pipes will be HDPE. Ductile cast iron (DCI) may be used for pressure pipelines such as the raw water transmission main from the water intake to the WTP. The water supply distribution pipes will be installed along road right-of-ways where there is potential conflict with businesses occupying the road footpaths and squatter houses erected at the road edge.

10. The pipe distribution network is designed to supply the extended service areas and as well as infill development in the existing service areas.

11. Support will be given to communities for a range of activities to be in line with the objectives of the project. This will include (i) local area environmental improvements, through promoting the use of household and community level sanitation and drainage facilities, (ii) stakeholder consultation and public participation to raise awareness and provide organizational support to implement the awareness programs, (iii) support to district authorities in facilitating sanitation and hygiene behaviour change leading to significant health and hygiene benefits, and (iv) the management and operation public sanitation facilities. PWW Water Safety Plans will provide for the efficient use of water, management of water losses and drought preparedness and dry season use economy. A web based reporting system (adopting a World Bank system) will be utilised to assist in identifying and reporting water supply problems such as burst pipes, water leaks, and sewer surcharges and overflows.



Figure 1: Proposed Water Supply Pipelines with Households

#### C. Rational for Due Diligence

12. The feasibility study design considered components of a water supply scheme, which would require no private land acquisition. For the raw water transmission mains and the water distribution network only existing Right of Ways (RoW) have been selected for alignments. The subproject will involve physical changes through earth moving, and also in constructing water supply infrastructure.

13. Since preparation and submission of adequate social safeguards documents is a condition for ADB's approval of subproject loan, each component has been carefully reviewed in terms of involuntary resettlement and indigenous peoples (IP) impacts. In accordance with ADB's 2009 Safeguard Policy Statement and the Bank's OM Section F1/OP (January 2010) field validation and due diligence has confirmed that this Kampong Cham water supply subproject has no land acquisition and hence does not trigger the involuntary resettlement safeguard, and Indigenous People safeguards.

#### II. SCOPE OF LAND ACQUISITION

14. The land acquisition and involuntary resettlement (LAR) related fieldwork for this subproject took place in December 2016 and February 2017 and included joint transect walk of participating commune members, DPWT, and project preparatory technical assistance (PPTA) consultants.

15. The due diligence assessment on resettlement aimed at (i) using available public land rather than acquiring land for sites, and (ii) using the public RoWs to the extent possible, so that there are no impacts on owners and/or users of affected assets. This has been optimized by the due diligence consultant as a result of LARC fieldwork and surveys.

16. For any temporary land acquisition for site installation or other areas needed for the subproject activities, the contractor will have to propose in a site installation and access plan and obtain approval from the Project Implementation Unit (PIU). Where possible, public land will be used for temporary land use. The contractor shall lease the private space with agreed rental fee. Both private and public land shall be returned in the same or improved condition compared with pre-subproject situation. Through a transparent and contractual approach, the Employer will provide the contractor with the project's land acquisition and compensation principles to ensure that (i) official compensation rates are applied, (ii) re-instatement of affected assets contractually defined, (iii) consultation takes place, (iv) the grievance mechanism is followed, (v) the Environmental Management Plan (EMP) is applied, and (vi) other items specified are complied with. The requirements for items (i) to (v) for compliance by the contractor and monitoring by the PIU.

#### A. Affected Persons

17. Selected items are listed in *Table 1* and indicates that there are no assets affected and therefore no affected owners and/or users to be reported. More details are given in the land acquisition fact finding and screening of *Appendix 1*. Pictured are shown in *Appendix 2*.

	Item	Cases and Description
1	Loss of land	<ul> <li>No cases of temporary or permanent land acquisition to report.</li> </ul>
2	Loss of houses / structures	<ul> <li>No cases of primary/secondary structures on private land to report.</li> <li>In public RoWs property road access points will be reinstated as part of construction work.</li> </ul>
3	Loss of crops	<ul> <li>No cases of damaged crops to report.</li> </ul>
4	Loss of trees	<ul> <li>No cases of loss of trees to report.</li> </ul>
5	Loss of services / resources	No cases of loss of services and resources expected.
6	Loss of Income	<ul> <li>No cases expected.</li> </ul>
7	Relocation	<ul> <li>No cases to report.</li> </ul>
8	Vulnerability support	<ul> <li>No cases of physical or economic displacement to report.</li> </ul>

Table 1: Summarized LAR Screening Overview

#### A. Assessment of Resettlement Impacts

18. The due diligence report (DDR) of the Subproject is prepared under the PPTA is based on ADB's Safeguard Policy Statement (SPS) 2009 and provisions of the RGC's Laws, Regulations and Policies on Land Acquisition. As indicated in Table 1 above, transact walk through the Subproject site validated no LAR requirements. However, there are minor impacts of assets and their owning affected households and/or users (6408m2 of forecourt concrete slab, tiles and block and 218 property road access points which will be reinstated as part of construction work). After the detailed engineering design and prior to the implementation of the Subproject, the GDR personnel with the assistance of project management unit (PMU) and PIU will be required to undertake a review of this due diligence, prepare a confirmation letter or report documenting any modifications on any resettlement aspects and submit to ADB, and receive no objection confirmation from ADB prior to the start of construction works.

#### III. CONSULTATION, PARTICIPATION AND INFORMATION DISCLOSURE

#### A. Consultation

19. For this subproject a preliminary inventory of loss and a survey of all AHs were carried out subsequent to the feasibility study feasibility study during due diligence assessment determining a record of preliminary measurements of type and extend of loss related to AHs' eligibility of entitlements.

20. Transparent consultation process with public village meetings both during detailed design and construction stages as defined by RF of the PWSSP. The APs have been and will be properly informed on all of the subproject activities. The information includes the specific activities, schedules, impacts and mitigation measures. The information is provided through public meetings led by PIU, commune authorities and/or committees as required in the consultation and participation section of the RF.

#### B. Participation

21. Attending officials, as well as village representatives, households and families have been informed about the subproject in general and LARC aspects in particular. The subproject ensured

that affected persons (Aps) and other stakeholders have (a) obtained information about LARC aspects, and (b) opportunities to participate in the LAR process.

#### C. Information Disclosure

The disclosure of the Project information, consultation and participation of residents in the subproject took place in 4 public commune meetings in January and February 2017. The contacted 187 commune residents (103 female and 184 male) have a good understanding about the subproject and its land acquisition related aspects. The contacted villagers (i) showed always high interest in the subproject and repeatedly mentioned their expectations towards the subproject, as water supply and sanitation are topics of high importance. An overview about the public commune meetings is given in **Appendix 3**.

#### IV. IMPLEMENTATION SCHEDULE

22. In general, the planning and executing of LAR tasks are mainly related to the preconstruction phase containing (a) detailed engineering design, (b) bid document preparation & approval and (c) procurement of civil works contractor before start of the construction phase. The subproject is estimated to commence from January 2018 and completed by June 2021. Any acquisition of land or loss of assets will be verified and confirmed after the detailed engineering design. However changed layout of the subproject and/or adjustment of the feasibility study design can lead to a change of subproject categorization form Category C to B with respect to the impacts on involuntary resettlement. In the event of this change in classification a resettlement plan (RP) will be prepared following the RF of PWSSP.

23. nter-ministerial resettlement committee and PMU will ensure that contractor will not be issued notice to commence (notice to mobilize) to begin construction work unless (a) it has been confirmed that the subproject is Category C, or otherwise (b) a RP has satisfactorily been completed, approved, and compensation payment made; (c) ensured that income restoration program is in place for seriously AHs; and (d) areas required for civil works are free of all encumbrances.

#### V. CONCLUSION

24. Taking into consideration that there are no adverse impacts on private households, and communal/governmental asset are already available or would be made available if required, this Subproject is classified as Category C, as no involuntary resettlement impacts are included. Confirmation of any LAR will be confirmed at detailed engineering design stage of the Subproject. If LAR impacts are identified under the Subproject, the EA will follow the policies and procedures stipulated in the PWSSP's RF in compliance with the RGC's Laws and Regulations and SPS 2009 requirements of ADB on LAR.

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Figure 2: Overall PWSSP Project Implementation Schedule

## APPENDIX 1-1: SCREENING OF LAND ACQUISITION & IR PROJECT CATEGORY

TECHNICAL DESCRIPTION			
Features	YES	NO	DESCRIPTION
Upgrading and expansion of service area	x		Existing service area of 4,311 ha (2016) to be expanded in two phases to 7,800 ha by 2040 (an additional 3,489 ha)
Construction of new physical facilities	x		Provision of new (Phase 1 - 2025) works for (i) river intake, (ii) raw water transmission main, (iii) water treatment plant and clear water storage reservoir, (iv) system booster pumps, and (iv) distribution mains and reticulation network.
Domestic demand 2025	х		14,517 m³/day
Institutional, commercial, industrial demand 2025	х		10,453 m³/day
Non-revenue water (NRW - 15%)			3,745 m₃/day
Total water production 2025			11,068 m <sup>3</sup> /day (with NRW and peak factor)
MAIN COMPONENTS	YES	NO	DESCRIPTION
Access	x		Access available to water intake and water treatment plant. Raw water intake pipe, reticulation network and distribution mains located along public land on road rights-of-way.
In-take	x		Intake pump station located on Mekong River embankment on public land immediately downstream from existing JICA II intake
Pump station	x		Intake pump station consists of pump room, generator room, two intake pumps (1 duty and 1 standby). Pump capacity 11,600 m <sup>3</sup> /day for 2025 with provision in design for expansion by a further 17,000 m <sup>3</sup> /day for 2040 demand.
Raw water pipeline	x		4 km of 350 mm diameter pressure pipe (either HDPE or DI)
Water Treatment Plant (WTP)			Located on 1.3 ha site owned by government at Ta- Neng Village, Sangkat Sambour Meas. WTP to be constructed with capacity 11,600 m <sup>3</sup> /day for 2025, and with ability to accommodate expansion by further 17,000 m <sup>3</sup> /day for 2040
Clearwater Reservoir	x		Underground reinforced concrete structure of 2,500 m <sup>3</sup> capacity, incorporated within WTP
Network reticulation and distribution mains	x		<ul> <li>HDPE pipes:</li> <li>63mm to 110mm diameter – 45,183 m</li> <li>125mm to 225mm diameter – 19,907 m</li> <li>250mm to 560mm diameter – 14,910 m</li> <li>Total network and distribution pipes 2025 therefore 80 km</li> </ul>
Households within service area able to connect by end of loan period in 2022	x		15,375 (population 65,194 including 33,249 women)

# APPENDIX 1-2: SCREENING OF LAND ACQUISITION & IR PROJECT CATEGORY

IMPACTS ON LAND AN	D OTHER ASSETS AND RELA			ES/SERVICES			
Gener	RAL ASPECTS	YES	NO	Explana	TIONS		
Requirement of land a	cquisition		x				
Sites of land acquisition			х	Required sites are governmer	ntal land.		
Easement utilized with		х		Alignment of pipes			
Permanent land acquis	sition		х				
Temporary land acquis	sition		х	If necessary for construction, t	hen contractor to arrange.		
Change of ownership of			х				
Change of usage of lar	nd		х				
Loss	OF ASSETS	YES	NO	DESCRIP	TION		
Loss of residential land	1		х	No land affected			
Loss of agricultural lan	d		х	No primary or secondary priva			
Loss of residential stru			х	In the public RoW there would			
Loss of productive stru	ctures		х	of forecourt concrete slab, t			
Loss of trees /crops			х	property road access points w part of construction work.	hich will be reinstated as		
EFFECTS ON COMM	IUNAL/PUBLIC FACILITIES	YES	NO	DESCRIP	TION		
Loss of access to facili	ties		х				
Loss of access to servi	ices		х				
Loss of community ass			х				
Loss of cultural / histor	ical properties		х				
IMPACTS OF PEOPLE							
PHYSICAL	DISPLACEMENT	YES	NO	EXPLANATIONS			
Replacement of house	S		х				
Relocation of househo	lds		х				
ECONOMIC	DISPLACEMENT	YES	NO	EXPLANAT	TIONS		
Loss of incomes			х				
Loss of businesses/ent	terprises		х				
Loss of access to incor	me sources		х				
Loss of access to natu	ral resources		х				
	USEHOLDS / PEOPLE	YES	NO	CASES AND N	UMBERS		
Number of AH/AP			х				
Vulnerable AH/AP			х	0 AHs			
Severely AH/AP			х	0 ALIS			
Non-owning AHs (user	s of assets)		х				
FINDINGS							
	Category	1		Categorization			
А	Not applied by PWSSP			Feasibility Study			
В				Design and Tendering			
С	$\checkmark$			Design, Construct and Install			
	e are minor impacts of assets	and the	eir own	ing affected households and/or	users		
Note: conc	The listed items are in accordance with checklists as defined by ADB guidelines (6408m <sup>2</sup> of forecourt concrete slab, tiles and block and 218 property road access points which will be reinstated as part of construction work).						
Abbreviation kilom	P = affected person(s); AH = affected households; GRP = glass reinforced pipe; ha = hectare; km = ilometer; m3 = cubic meter; PWSSP = provincial water supply and sanitation project; uPVC = unplasticised olyvinyl chloride; WWTP = wastewater treatment plan						



**APPENDIX 2: PICTURED IMPRESSIONS FROM THE SUBPROJECT AREA** 

PHOTO 1-3 TECHNICAL MEETING BETWEEN PPTA AND PWW





Photo 4 Public Consultation Meeting Venue: Sala Bun Kampong Rorling (Sambour Meas Commune)

PHOTO 5 PUBLIC CONSULTATION MEETING VENUE: NOKOR BARCHEY PAGODA (AMPIL COMMUNE)

PHOTO 6 PUBLIC CONSULTATION MEETING VENUE: ANGKONH DEI SEREISOKHA (KRALA COMMUNE)







**PHOTO 7-9** THE EXISTING RIGHT OF WAY TO INSTALL WATER PIPE

#### Subproject: Water Supply Sub-project DISCUSSION / RESPONSES / OUTCOMES FOLLOW-UP ACTIONS WITH DATE LOCATION AND TIME **FACILITATING ACTORS** PARTICIPANTS RESPONSIBILITY Commune/s: Ro'Ang and 14 Water Authority Female: 16 Presentation: Boeng Kok - Mr. Teng Savouen February Male: 10 - Mr. Yem Sothy Venue: Thma Kol Pagoda • Description of project and its current status; 2017 Total: 26 - Mr. Eng Vannak • General introduction into resettlement: Time: 8:30 to 9:30AM • Explanation of Grievance Redress Mechanism; PPTA consultant staff • Indicating construction impacts of pipes in public Right-of-Way; Photo - Mr. Chea Sarin Clarification on Environmental Construction Management (Traffic, access to plots, others); • Briefing on loss of assets on sites for proposed infrastructure; • Others. ٠ **Comments – Questions – Answers:** Q1: What is the connection cost and the tariff rate per 1m<sup>3</sup>? A1: Currently, the connection cost is 360,000 Riel in total and unit cost of water usage is 900 Riel per m<sup>3</sup> if less than 7 m<sup>3</sup> per month and 1.200 Riel if use from 7 to 15 m<sup>3</sup>. Q2: Is there any stagger payment in place for the connection fee? A2: We are considering on the stagger payment option

#### APPENDIX 3.1-1: OVERVIEW AND SUMMARY OF PUBLIC CONSULTATION MEETINGS

# APPENDIX 3.1-2: OVERVIEW AND SUMMARY OF PUBLIC CONSULTATION MEETINGS

Subproj	ect: Water Supply Sub-projec	et and a second s		
Date	Location and Time	Facilitating Actors	Participants	Discussion / Responses / Outcomes Follow-Up Actions with Responsibility
14 February 2017	Commune/s: Sambour Meas Venue: Sala Bun Kampong Rorling Time: 2:30 to 3:30PM Photo	<ul> <li>Water Authority     <ul> <li>Mr. Teng Savouen</li> <li>Mr. Yem Sothy</li> </ul> </li> <li>PPTA consultant staff     <ul> <li>Mr. Chea Sarin</li> </ul> </li> </ul>	Female: 32 Male: 2 Total: 34	<ul> <li>Presentation:</li> <li>Description of project and its current status;</li> <li>General introduction into resettlement;</li> <li>Explanation of Grievance Redress Mechanism;</li> <li>Indicating construction impacts of pipes in public Right-of-Way;</li> <li>Clarification on Environmental Construction Management (Traffic, access to plots, others);</li> <li>Briefing on loss of assets on sites for proposed infrastructure;</li> <li>Others.</li> </ul> Comments – Questions – Answers: <ul> <li>Q1: What is the connection cost and the tariff rate per 1m<sup>3</sup>?</li> <li>A1: Currently, the connection cost is 360,000 Riel in total and unit cost of water usage is 900 Riel per m<sup>3</sup> if less than 7 m<sup>3</sup> per month and 1,200 Riel if use from 7 to 15 m<sup>3</sup>.</li></ul>

#### APPENDIX 3.1-3: OVERVIEW AND SUMMARY OF PUBLIC CONSULTATION MEETINGS

Subproje	ect: Water Supply Sub-project	st		
Date	Location and Time	Facilitating Actors	Participants	Discussion / Responses / Outcomes Follow-Up Actions with Responsibility
15 February 2017	Commune/s: Ampil Venue: Nokor Barchey Pagoda Time: 8:30 to 9:30 AM Photo	<ul> <li>Water Authority <ul> <li>Ms. Ngoun Vann Chandara</li> <li>Mr. Yem Sothy</li> </ul> </li> <li>PPTA consultant staff <ul> <li>Mr. Chea Sarin</li> <li>Mr. Tem Sereivouth</li> </ul> </li> </ul>	Female: 54 Male: 22 Total: 76	<ul> <li>Presentation: <ul> <li>Description of project and its current status;</li> <li>General introduction into resettlement;</li> <li>Explanation of Grievance Redress Mechanism;</li> <li>Indicating construction impacts of pipes in public Right-of-Way;</li> <li>Clarification on Environmental Construction Management (Traffic, access to plots, others);</li> <li>Briefing on loss of assets on sites for proposed infrastructure;</li> <li>Others.</li> </ul> </li> <li>Comments – Questions – Answers: <ul> <li>Q1: It looks like the water pipe will be installed only along the main road, how household who located further from the main road can be connected?</li> <li>A1: There will be secondary pipe installed by water authority connected to that area. This project is aiming to install the main pipe, which will bring the water from the water source.</li> <li>Q2: What is the connection cost and the tariff rate per 1m<sup>3</sup>?</li> <li>A2: Currently, the connection cost is 360,000 Riel in total and unit cost of water usage is 900 Riel per m<sup>3</sup> if less than 7 m<sup>3</sup> per month and 1,200 Riel if use from 7 to 15 m<sup>3</sup>.</li> </ul> </li> </ul>

# APPENDIX 3.1-4: OVERVIEW AND SUMMARY OF PUBLIC CONSULTATION MEETINGS

Subproj	ect: Water Supply Sub-proje	ct		
DATE	Location and Time	Facilitating Actors	Participants	Discussion / Responses / Outcomes Follow-Up Actions with Responsibility
16 February 2017	Commune/s: Krala Venue: Angkuonh Dei Sereisokha Time: 8:030 to 9:30 AM Photo	<ul> <li>Water Authority <ul> <li>Ms. Ngoun Vann Chandara</li> <li>Mr. Yem Sothy</li> </ul> </li> <li>PPTA consultant staff <ul> <li>Mr. Chea Sarin</li> <li>Mr. Tem Sereivouth</li> </ul> </li> </ul>	Female: 55 Male: 27 Total: 82	<ul> <li>Presentation:</li> <li>Description of project and its current status;</li> <li>General introduction into resettlement;</li> <li>Explanation of Grievance Redress Mechanism;</li> <li>Indicating construction impacts of pipes in public Right-of-Way;</li> <li>Clarification on Environmental Construction Management (Traffic, access to plots, others);</li> <li>Briefing on loss of assets on sites for proposed infrastructure;</li> <li>Others.</li> </ul> Comments – Questions – Answers: <ul> <li>Q1: What is the connection cost and the tariff rate per 1m<sup>3</sup>?</li> <li>A1: Currently, the connection cost is 360,000 Riel in total and unit cost of water usage is 900 Riel per m<sup>3</sup> if less than 7 m<sup>3</sup> per month and 1,200 Riel if use from 7 to 15 m<sup>3</sup>.</li></ul>
		Totals		
	Number of meeting 4	Female Male:		

COMMUNE/S: RO'ANG AND BOENG KOK	
VENUE: THMA KOL PAGODA, THMA KOL VILLAGE, RO'ANG COM	IMUNE, KAMPONG SIEM DISTRICT, KAMPONG CHAM PROVINCE.
DATE: 14 FEBRUARY 2017	
PARTICIPANTS: FACILITATING COMMUNE, IA, PPTA CONSULTANT	PARTICIPANTS: VILLAGERS
TOTAL 17 (FEMALE:2 AND MALE:15)	TOTAL 26 (FEMALE:16 AND MALE:10)
	មញ្ជីនម្ពនានរួមខា៩នចុសរួមឫម្ដី កិច្ចប្រជុំសាធារណៈស្ដីពីតម្រេង ផ្នត់ផ្លង់ទឹកស្អាត និងប្រព័ន្ធលូ (WSSP-TA 8982) កាលហិច្ចទ៖ ថ្ងៃទី <u>11 ខែ 02 ឆ្នាំ២០១៧ ម៉ាង 2:20 ដល់</u> ទីតាំង៖ <u>រិត្តក្ដិភេទណ៍ ស្ថិក នោក ស្រុក និសាំស្អៅស <sup>18</sup>ពីភេទិណ៍កានា</u> ចំនួនប្រជាជនចូលរួមសរុប <u>276</u> នាក់ ស <u>្រី 16</u> នាក់ ល្ប ឈោះ ហទ ភូមិ ឃុំ លេខទូស័ព្វ ស្អាមហេដ
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# APPENDIX 3.2-1: ATTENDANCE LISTS OF PUBLIC CONSULTATION MEETINGS

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COMMUNE/S: SAMBOUR MEAS	
VENUE: SALA BUN KAMPONG RORLING, KAMPONG RORLING VI	ILLAGE, SAMBOUR MEAS COMMUNE, KAMPONG CHAM DISTRICT,
KAMPONG CHAM PROVINCE.	
DATE: 14 FEBRUARY 2017	
PARTICIPANTS: FACILITATING COMMUNE, IA, PPTA CONSULTANT	PARTICIPANTS: VILLAGERS
TOTAL 10 (FEMALE:1 AND MALE:9)	TOTAL 34 (FEMALE: 32 AND MALE:2)
<u>មញ្ជីនត្តទេនរួមខ្ញុំ</u> <u>Attendance List at Meeting</u> កិច្ចប្រជុំសាធារណៈស្តីពីគម្រោង ផ្គត់ផ្គង់ទឹកស្អាត និងប្រព័ន្ធលូ (WSSP-TA 8982) កាលបរិច្ឆេទ/ Date : ថ្ងៃទី <u>)</u> ្រ ខែ <sub>ល្</sub> ្ន ឆ្នាំ២០១៧ ម៉ោង/ Time <u>//4 :30</u> ដល់/ To	មញ្ជ័នដូមភេទទេមេខាះកទទេទេទេមេខ្មី កិច្ចប្រជុំសានារណៈស្តីពីតម្រោង ផ្នត់ផ្នង់ទឹកស្អាត និងប្រព័ន្ធលូ (WSSP-TA 8982) កាលហិត្តទ៖ ថ្ងៃទី <u>44 ខែ ១ ឆ្នាំ២០១៧ ម៉ោង 2. 30 ដល់</u> ទីតាំង៖ ស្នា <u>សា ស្រ</u> ្តី_ស្ថិតនៅ៖ ភូមិក្លាំងដែរលំ ស្នី <i>ដូស្មាស</i> ស្រុក កាសិសី តាម ខេត្ត កាទិសដីសារា មិន្ទនម្លោងជនចូលរួមសមុ <u>34</u> នាក់ ស្រ <u>ី ខ្លុំង</u> នាក់
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	<ul> <li>NOTE 1: SHOWN IS THE FIRST PAGE OUT OF 4 ATTENDANCE SHEETS.</li> <li>NOTE 2: THE COMPLETE AND ORIGINAL SET OF ATTENDANCE SHEETS IS WITH THE IMPLEMENTING AGENCY</li> </ul>

#### APPENDIX 3.2-2: ATTENDANCE LISTS OF PUBLIC CONSULTATION MEETINGS

#### APPENDIX 3.2-3: ATTENDANCE LISTS OF PUBLIC CONSULTATION MEETINGS

COMMUNE/S: AMPIL	
VENUE: NOKOR BARCHEY PAGODA, CHONG HUK VILLAGE, AMPIL C	OMMUNE, KAMPONG SIEM DISTRICT, KAMPONG CHAM PROVINCE.
DATE: 15 FEBRUARY 2017	
PARTICIPANTS: FACILITATING COMMUNE, IA, PPTA CONSULTANT	PARTICIPANTS: VILLAGERS
TOTAL 10 (FEMALE:2 AND MALE:8)	TOTAL 76 (FEMALE: 54 AND MALE:22)
មញ្ជីនដ្ឋទាខរួមខ្មុំ <u>Attendance List at Meeting</u> កិច្ចប្រជុំសាធារណៈស្តីពីគម្រោង ផ្គត់ផ្គង់ទឹកស្អាត និងប្រព័ន្ធលូ (WSSP-TA 8982) កាលបរិច្ឆេទ/ Date : ថ្ងៃទី_ <u>IS ខែ ០១ ឆ្នាំ២០១៧ ម៉ោង/ Time ೨:30</u> ដល់/ To <u>០:30</u> ទីតាំង/ Located in: ឯកស្នាក់ រដ្ឋក្លាំ (Village - ក្រោយបំ/ Commune - អំតាំស ស្រុក/ District - និងស្នាប់ ខេត្ត/ Province និងក្រកក	មញ្ជិនដូនទទេដែលទំនាស់ទទេដែលទំនាស់ទទេដែល សម្ពានផ្លើង អាមារលើ សម្ពានផ្លែង សម្ពាន សម្ព័ន្ធ ទីស្លាក់ សម្ព័ន្ធ ទីស្លាន សម្ព័ន្ធ ទីស្លាក់ សម្ព័ន្ធ ទីស្លាន សម្ព័ន្ធ ទីស្លាក់ សម្ព័ន្ធ ទីស្លាស់ ស្លាស់ សម្ព័ន្ធ ទីស្លាស់ សម្ព័ន្ធ ទីស្លាស់ សម្ព័ន្ធ ទីស្លាស់ សម្ព័ន្ធ ទីស្លាស់ សម្ព័ន្ធ ទីស្លាស់ សម្ព័ន្ធ ទីស្លាស់ សម្ព័ន្ធ ទីស្វាស់ សម្ព័ន្ធ ទីស្វាស់ សម្ព័ន្ធ ទីស្វាស់ សម្ព័ន្ធ ទីស្វាស់ សម្ព័ន្ធ ទីស្វាស់ សម្ព័ន្ធ ទីស្វាស់ សម្ពាល សម្ព័ន្ធ ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធ ស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធ ស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធា ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធា ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធា សាទ្ធា សាទ្ធ ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធា សាទ្ធ ទីស្វាស់ សាទ្ធ ទីស្វាស់ សាទ្ធា សាទ្ធា សាទ្ធ ទីស្វាស់ សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា ទាំង សាទ្ធា សាទ្ធា ទីស្វាស់ សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធ សាទ្ធា សាទ្ធ សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធា សាទ្ធ សាទ្ធា សាទ សាទ្ធ សាទ្ធា សាទ្ធ សាទ្ធា សា
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1	WITH THE IMPLEMENTING AGENCY

COMMUNE/S: KRALA	
VENUE: ANGKUONH DEI SEREISOKHA PAGODA, ANGKUONH I CHAM PROVINCE.	DEI VILLAGE, KRALA COMMUNE, KAMPONG SIEM DISTRICT, KAMPON
DATE: 16 FEBRUARY 2017	
PARTICIPANTS: FACILITATING COMMUNE, IA, PPTA CONSULTANT	PARTICIPANTS: VILLAGERS
TOTAL 20 (FEMALE:4 AND MALE:16)	TOTAL 82 (FEMALE: 27 AND MALE:55)
មញ្ជីទត្តមានរួមខ្ញុំ Attendance List at Meeting កិច្ចប្រជុំសាធារណៈស្តីពីគម្រោង ផ្គត់ផ្គង់ទឹកស្អាត និងប្រព័ន្ធលូ (WSSP-TA 8982) កាលឃឺច្ឆេទ/ Date : ថ្ងៃទី_16_ខែ_02 ឆ្នាំ២០១៧ ម៉ោង/ Time <u>3::30</u> ដល់/ To <u>9:90</u> ទីតាំង/ Located in: កិត្តសង្គ្នា គិតនោ, ស្ថិតនៅ៖ ភូមិ/ Village កម្ពុឆ្នាំងំ (Commune <u>379560</u> ) ស្រុក/ District ក្តីនាំជា សត្វីសែ ខែក្រ/ Province <u>ភូទិ សង្គាម</u>	មញ្ជីនដូនភាពទេខាដឧតមូលទេទេដុំ កិច្ចប្រជុំសាធារណៈស្តីពីគម្រោង ផ្គត់ផ្លង់ទឹកស្អាត និងប្រព័ន្ធលូ (WSSP-TA 8982) កាលហើចូទ៖ ថ្ងៃទី <u>/ ( ខែ ក្រដុះ</u> ឆ្នាំ២០១៧ ម៉ោង <u>5:30</u> ដល <u>់ 0:30</u> ទីតាំង៖ វិត្ត សន្តភាភី ស្តិពនៅ៖ ភូមិ សន្តភាភី ឃុំ ក្រ ទួក ស្រុក ដ្ឋិនិនស្ស័យ ខេត្ត ដីខានី សុលា ចំនួនប្រជាជនចូលរួមសរុប <u>និន</u> នាក់ ស្រី <u>១០</u> នាក់ លរ ឈ្មោះ ហាខ ភូមិ ឃុំ លេខទូរស័ព្វ ស្តាមចៅពី
ល.1     ឈ្មោះ     หร     หรูสาอี     หង្គភាព/ស្ថាប័ន     ឈេខទូរស័ព្ទ     ហត្ថលេខា       No.     Name     Sex     Position     Organization     Phone Number     Signature       1     អ្នន វាន់ទទ្ធន្ (ស)     (សាລຣາຊິຖາຜ     ງມາລາວຮັກ     ຜ້ແປວຮັບໃຫ້     ເພື່ອເຮັບໃຫ້	1. adates an work Iner 04276 5302
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	NOTE 1:SHOWN IS THE FIRST PAGE OUT OF 14 ATTENDANCE SHEETS.NOTE 2:THE COMPLETE AND ORIGINAL SET OF ATTENDANCE SHEETS IS WITH THE IMPLEMENTING AGENCY

#### APPENDIX 3.2-4: ATTENDANCE LISTS OF PUBLIC CONSULTATION MEETINGS