

Resettlement Plan

August 2020

CAM: Second Urban Environmental Management in the Tonle Sap Basin Project Part 5

Battambang Wastewater System Subproject

Prepared by the Project Management Consultant for the General Department of Resettlement of the Ministry of Economy and Finance and for the Asian Development Bank. This is an updated version of the draft originally posted in May 2018 available on <https://www.adb.org/projects/documents/cam-50102-002-rp>.

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Table 5.3: Awning/Extended eaves and Veranda prices in Year 2020

ជំហរ Roof	ជញ្ជាំង Wall	ក្រអាល Floor	គ្រោង Frame	ជំនួសជាន់ Story	ប្រភេទ Type	តម្លៃសរុប USD/M ² Structure Cost
សំយោប (Awning/Extended eaves)						
ស្លឹក/ស្បូវ/ ធុងកៅស៊ូ Thatch/ Plastic	គ្មាន None	គ្មាន/ដី None/soil	ឈើ Timber	មួយជាន់ Single	AW1	6.50
		ចាក់សាប Mortar	ឈើ Timber	មួយជាន់ Single	AW2	14.50
ស៊ីម៉ង់ត៍/ ប៊្រិក Zn/Fibro	គ្មាន None	គ្មាន/ដី None/soil	ឈើ/ដែក Timber/iron	មួយជាន់ Single	AW3	15.00
		ចាក់សាប Mortar	ឈើ/ដែក Timber/iron	មួយជាន់ Single	AW4	23.00
	លួសសំណាញ់ Net wire	ចាក់សាប Mortar	ឈើ/ដែក Timber/iron	មួយជាន់ Single	AW5	29.00

5.1.2 Other structures

13. The compensation rate of other structures, such as well and fence, etc..., are based on market price. The results of specific rates of other structures are listed in table 5.4 as following.

Table 5.4: Other structure prices in year 2020

No.	TYPE OF ASSETS	UNIT	Unit Cost, USD
1	សាបស៊ីម៉ង់ត៍ក្រអាល/Hill/Cement mortar	m ²	8.00
2	ក្រអាល/ក្រអាល/ក្រអាល/Karola/Brick floor	m ²	12.00
3	ក្រអាល/ក្រអាល/Tile floor	m ²	14.00
4	សាបបេតុង គ្រោងប្លង់/Bamboo concrete mortar	m ²	15.00
5	សាបបេតុង គ្រោងសរសៃដែក/Reinforced concrete mortar	m ²	18.00
	SEPARATED LATRINE/បង្គន់ច្រកចេញពីផ្ទះ		
6	បង្គន់ច្រកចេញពីផ្ទះជញ្ជាំងក្រអាល/Separated toilet with brick wall (S<4m ²)	Set	250.00
7	បង្គន់ច្រកចេញពីផ្ទះជញ្ជាំងឈើ/Separated toilet with wooden wall (S<4m ²)	Set	160.00
8	បង្គន់ច្រកចេញពីផ្ទះជញ្ជាំងស៊ីងស៊ី/Separated toilet with zinc wall (S<4m ²)	Set	120.00



No.	TYPE OF ASSETS	UNIT	Unit Cost, USD
	លូ និងស្ពាន /CULVERT AND BRIDGE		
9	លូស៊ីម៉ង់ត៍ (៥ 0.50m x 1m)/Cement culvert (៥ 0.50m x 1m)	m	13.00
10	លូស៊ីម៉ង់ត៍ (៥ 0.60m x 1m)/Cement culvert (៥ 0.60m x 1m)	m	16.00
11	លូបេតុង (៥ 0.8m x 1m)/Concrete culvert (៥ 0.8m x 1m)	m	35.00
12	លូបេតុង (៥ 1.0m x 1m)/Concrete culvert (៥ 1.0m x 1m)	m	45.00
13	លូបេតុង (៥ 1.2m x 1m)/Concrete culvert (៥ 1.2m x 1m)	m	60.00
14	រឿងលូ/Main hole	set	30.00
15	ស្ពានឈើ/Wooden bridge	m ²	35.00
16	ស្ពានបេតុង /Concrete bridge	m ²	60.00
	FENCE AND BEAM/បង់ និងគ្រឿង		
17	បង់បង្គោលឈើ រាយលូសបន្លា ឬលូសសំណាញ់ Pole post with net/barbed wire	lm	6.00
18	បង់បង្គោលបេតុង ឬបង្គោលដែក រាយលូសបន្លា ឬលូសសំណាញ់ Concrete/Iron post with net/barbed wire	lm	9.00
19	បង់បង្គោលឈើ ជាមួយប្រដាប់ឈើ/Pole post with wooden strip	lm	11.00
20	បង់បង្គោលឈើ ជាមួយប្រដាប់ប្រស្រ្តី/Pole post with bamboo strip	lm	7.00
21	បង់ស៊ីងស៊ី ជាមួយបង្គោលឈើ ឬដែក/Zinc fence with pole or iron post	lm	18.00
22	បង់ប្រគាងដែករាយលូសសំណាញ់ /Iron frame with net wire	m ²	13.00
23	បង់ច្រវិះដែក /Steel barrier fence	m ²	16.00
24	បង់ឥដ្ឋ១០ឆ្នោត អត់ប្រក Normal brick fence (100mm), no cover	m ²	21.00
25	បង់ឥដ្ឋ១០ឆ្នោត ប្រកសង្វាង ឬឥដ្ឋស៊ីម៉ង់ត៍ចាក់ Normal brick fence (100mm) with cover on both sides	m ²	30.00
26	បង់ឥដ្ឋ២០ឆ្នោត អត់ប្រក Normal brick fence (200mm), no cover	m ²	27.00
27	បង់ឥដ្ឋ២០ឆ្នោត ប្រកសង្វាង Normal brick fence (200mm) with cover on both sides	m ²	36.00



No.	TYPE OF ASSETS	UNIT	Unit Cost, USD
28	របងឥដ្ឋ១០(h:០.៨m) មានល្អិត/សំណាញ់ Normal brick fence (h:0.8m) with steel barrier/net	m ²	20.00
29	របងឥដ្ឋ២០(h:០.៨m) មានល្អិត/សំណាញ់ Normal brick fence (h:0.8m) with steel barrier/net	m ²	28.00
30	របងឥដ្ឋ១០(h:០.៨m) មានច្រវិះដែក Normal brick fence (h:0.8m) with steel barrier	m ²	23.00
31	របងឥដ្ឋ២០(h:០.៨m) មានច្រវិះដែក Normal brick fence (h:0.8m) with steel barrier	m ²	29.00
32	សសរ ឬថ្នើមបេតុង/Concrete column or beam (0.2m x 0.2m)	m	14.00
33	សសរបងទ្វារ/Column of fence gate (0.3m x 0.3m)	m	20.00
34	សសរបងទ្វារ/Column of fence gate (0.4m x 0.4m)	m	26.00
ទ្វារ និងទ្វារទ្វារ របង/FENCE DOOR AND GATE			
35	ទ្វារបង់ឈើ/ឫស្សី/Wooden/bamboo fence door	m ²	10.00
36	ទ្វារបង់ល្អិត/សំណាញ់/Wire fence door	m ²	12.00
37	ទ្វារបង់ស៊ីង/ដែក/Zinc or wire fence door	m ²	13.00
38	ទ្វារបង់ច្រវិះដែក /Steel barrier door	m ²	15.00
39	ទ្វារបង់ដែក/Steel fence door	m ²	25.00
ព្រះភូមិ/បេតុងគោ (SPIRIT HOUSE/ELECTRICITY POLE)			
40	ព្រះភូមិបេតុង ខ្នាតតូច/Concrete spirit house (0.43mx0.61mx1.1m)	set	35.00
41	ព្រះភូមិបេតុង ខ្នាតកណ្តាល/Concrete spirit house (0.48mx0.68mx1.3m)	set	55.00
42	ព្រះភូមិបេតុង ខ្នាតធំ/Concrete spirit house (0.88mx0.88mx1.5m)	set	100.00
43	ព្រះភូមិឈើ ប្រក់ក្បឿងស្រកាលើឈើ/Wooden spirit house	set	15.00
44	ព្រះភូមិដែក ខ្នាតតូច/Iron spirit house (0.43mx0.61mx1.1m)	set	25.00
45	អាងទឹកឥដ្ឋ១០/Brick basin (100mm)	m ³	45.00
46	ជើងជណ្តើរ/Stair leg	set	50.00
47	បង្គោលភ្លើងដែក/Iron Light Pole	set	70.00



5.2 TREE

14. The project needs to cut or move some trees in the project area. The impact will be compensated at the market price. In order to simplify the study, perennial trees that growth period more than 5 years have been classified in three types as following:

- ◆ Sapling tree (1 to 3 years), as it can re-planted – 1/3 of full price,
- ◆ Young tree (3 to 5 years), bearing some fruit - 2/3 of full price,
- ◆ Mature tree (more than 5 years), fully bearing fruit: compensate full price.

The full compensation rates are calculated in the table 5.5 below.

Table 5.5: Tree prices in Year 2020

Item	Description	Unit	Qty.	Annual Yield USD	No. Year to compensate	Unit Cost USD	Seedling Cost USD/Unit	Full Price (USD)	2/3 Price (USD)	1/3 Price (USD)
1	ស្វាយ(បានផល) Mango/get income	Tree	1	10.0	5	50.0	1.0	51.0	34.0	17.0
2	ស្វាយ(មិនបានផល) Mango/no income	Tree	1	តម្លៃទីផ្សារ (Market price)				15.0	10.0	5.0
3	ដូង(បានផល) Coconut/get income	Tree	1	9.0	5	45.0	0.5	45.5	30.4	15.2
4	ដូង(មិនបានផល) Coconut/no income	Tree	1	តម្លៃទីផ្សារ (Market price)				10.0	6.7	3.3
5	ត្នោត(បានផល) Palm tree/get income	Tree	1	10.0	8	80.0	0.5	80.5	53.7	26.8
6	ត្នោត(មិនបានផល) Palm tree/no income	Tree	1	តម្លៃទីផ្សារ				12.5	8.3	4.2
7	ខ្នុរ/ Jackfruit	Tree	1	16.0	3	48.0	0.5	48.5	32.3	16.2
8	គ្រឿង/កាដេន Longan	Tree	1	20.0	4	80.0	1.0	81.0	54.0	27.0
9	ទៀបខ្លែ/ Custard-apple	Tree	1	4.5	2	9.0	0.5	9.5	6.4	3.2
10	ទៀបបាវា/ Soursoy	Tree	1	5.0	3	15.0	0.5	15.5	10.4	5.2
11	បេក Banana	Cluster គ្រាប់	1	5.0	1	5.0	0.5	5.5	-	-
12	ប្រសើរ/ស្រកបិន Chinese Bamboo	Cluster គ្រាប់	1	13.0	3	39.0	1.0	40.0	26.7	13.3
	ប្រសើរផ្សេងៗ/Other Bamboo	Cluster គ្រាប់	1	5.0	3	15.0	0.5	15.5	10.3	5.2
13	ល្ងង់/ Papaya	Tree	1	6.0	1	6.0	0.5	6.5	4.3	2.2



Item	Description	Unit	Qty.	Annual Yield USD	No. Year to compensate	Unit Cost USD	Seedling Cost USD/Unit	Full Price (USD)	2/3 Price (USD)	1/3 Price (USD)
14	ក្រូចខ្មៅ/អាកាស្យា Acacias/Eucalyptus	Tree	1	តម្លៃទីផ្សារ (Market price)				9.0	6.0	3.0
15	ព្យួរ/Jujube	Tree	1	3.0	3	9.0	0.5	9.5	6.3	3.2
16	ក្របីបេរ/Guava	Tree	1	4.5	2	9.0	0.5	9.5	6.3	3.2
17	ជ័រ/Rose apple	Tree	1	7.5	3	22.5	0.5	23.0	15.4	7.7
18	ជ័រ/Rose apple	Tree	1	7.5	3	22.5	0.5	23.0	15.3	7.7
19	អំពិលធូលី/Tamarind	Tree	1	6.0	5	30.0	0.5	30.5	20.3	10.2
20	អំពិលទឹក/Ampil Teuk	Tree	1	5.0	3	15.0	0.5	15.5	10.3	5.2
21	ម្នាក់/Hog plum	Tree	1	9.0	5	45.0	0.5	45.5	30.3	15.2
22	ទម្ងន់/Pomegranate	Tree	1	5.0	2	10.0	0.5	10.5	7.0	3.5
23	ក្រូចផ្លែ/ Pomelo	Tree	1	12.0	3	36.0	1.0	37.0	24.7	12.3
24	ក្រូចណាង/Orange	Tree	1	8.0	4	32.0	1.0	33.0	22.0	11.0
25	ក្រូចឆ្មារ/Lemon	Tree	1	5.0	2	10.0	0.5	10.5	7.0	3.5
26	កន្ទួត/Phyllanthus	Tree	1	2.5	3	7.5	0.5	8.0	5.3	2.7
27	ដើមប៉ាវ/Avocado	Tree	1	15.0	4	60.0	1.0	61.0	40.7	20.3
28	កំពែងរាជ/Santol	Tree	1	7.5	4	30.0	0.5	30.5	20.3	10.2
29	ម្រូ/Mrom	Tree	1	8.0	3	24.0	0.5	24.5	16.3	8.2
30	ត្រីង/Jambolan plum	Tree	1	8.0	5	40.0	0.5	40.5	27.0	13.5
31	ស្ល/Areca palm	Tree	1	9.0	3	27.0	1.0	28.0	18.7	9.3
32	សេដា/Canistel	Tree	1	5.0	3	15.0	0.5	15.5	10.3	5.2
33	ដើមញី/Noni	Tree	1	19.5	1	19.5	0.5	20.0	13.3	6.7
34	ដើមក្រូច/ Ceylon Oak	Tree	1	តម្លៃប៉ាន់ស្មាន (Estimate Cost)				45.0	30.0	15.0
35	ស្រកានខាង/ Dragon fruit	Tree	1	12.5	1	12.5	0.5	13.0	8.7	4.3
36	ក្រូចក្រូច/ Chrai Kraum	Tree	1	តម្លៃទីផ្សារ (Market price)				30.0	20.0	10.0
37	អង្ការដើ/ Angkear Del	Tree	1	តម្លៃប៉ាន់ស្មាន (Estimate Cost)				6.0	4.0	2.0
38	ចំប៉ី/Plumeria flowers	Tree	1	តម្លៃទីផ្សារ (Market price)				50.0	33.3	16.7
39	ដើមលុយ/Money tree	Tree	1	តម្លៃទីផ្សារ (Market price)				45.0	30.0	15.0
40	ស្រល់/Pine tree	Tree	1	តម្លៃទីផ្សារ (Market price)				12.0	8.0	4.0
41	ចំប៉ី/ដើមពោធិ៍ Albizia saman/Budhi	Tree	1	តម្លៃទីផ្សារ				45.0	30.0	15.0

Item	Description	Unit	Qty.	Annual Yield USD	No. Year to compensate	Unit Cost USD	Seedling Cost USD/Unit	Full Price (USD)	2/3 Price (USD)	1/3 Price (USD)
	ក្រាប ល្បឿនរាង . ១ល។ Other tree 1 st quality	Tree	1			តម្លៃប៉ាន់ស្មាន (Estimate Cost)		6.0	4.0	2.0
42	គគី លឿនរាង កកោះ ១ល។ Other tree 2 nd quality	Tree	1			តម្លៃប៉ាន់ស្មាន (Estimate Cost)		30.0	20.0	10.0



Annex 1: QUESTIONNAIRES**KINGDOM OF CAMBODIA
NATION RELIGION KING****REPLACEMENT COST STUDY QUESTIONNAIRE
(CONSTRUCTION MATERIAL SHOP OWNER)**

Province: District: Commune:

Date of Interview:/...../..... Starting time:

Interviewer's name: Ending time:

Name of Respondent: Status: Construction Material Shop Owner.

No.	Item	Qty.	Unit	Price in year 2020, (USD)
1.	CEMENT			
1.1	Elephant Cement (white)	1	ton	
1.2	Horse Cement (white)	1	ton	
1.3	Elephant Cement	1	ton	
1.4	Mounting Cement	1	ton	
1.5	Dragon Cement	1	ton	
1.6	3 Diamond Cement	1	ton	
1.7	Diamond Cement	1	ton	
1.8	Tiger Cement	1	ton	
1.9	Camel Cement	1	ton	
2.	STEEL			
2.1	V/N brand name Ø 6 or 8 mm	1	ton	
2.2	Chinese brand name Ø 6 or 8 mm	1	ton	
2.3	Thai brand name Ø 6 or 8 mm	1	ton	
2.4	Italy brand name Ø 6 or 8 mm	1	ton	
2.5	Vietnam brand name Ø 10, 12, 14 or 16 mm	1	ton	
2.6	Chinese brand name Ø 10, 12, 14 or 16mm	1	ton	
2.7	Thai brand name Ø 10, 12, 14 or 16mm	1	ton	
2.8	Italy brand name Ø 10, 12, 14 or 16 mm	1	ton	
3.	ROOF COVER			
3.1	CPAC Fiber cement (550 x 1200)	1	piece	
3.2	CPAC Fiber cement (550 x 1500)	1	piece	
3.3	CPAC Fiber cement (1200 x 2400)	1	piece	
3.4	White Tin: 650 x 3600	1	piece	
3.5	White Tin: 650 x 3000	1	piece	
3.6	White Tin: 650 x 2400	1	piece	



No.	Item	Qty.	Unit	Price in year 2020, (USD)
3.7	White Tln: 650 x 2000	1	piece	
3.8	White Tln: 1000 x 2000	1	piece	
3.9	Tile roof, Cambodian brand	1	piece	
3.10	Tile roof, Vietnam brand	1	piece	
3.11	Tile roof, Thai brand	1	piece	
3.12	Thatch	100	sheet	
4.	PAPER and WOODEN PLY			
4.1	Paper Ply: 2400 x 1200 x 3	1	piece	
4.2	Wooden Ply: 2400 x 1200 x 3	1	piece	
4.3	Wooden Ply: 2000 x 1000 x 3	1	piece	
4.4	Wooden Ply: 1600 x 800 x 3	1	piece	
4.5	Wooden Ply with Color Surface: 2400 x 1200 x 3	1	piece	
4.6	Wooden Ply with White Surface: 2400 x 1200 x 3	1	piece	
5.	FLOORING and WALL TILE			
5.1	Floor Tile, Chinese brand: 400 x 400	1	m ²	
5.2	Floor Tile, Thai brand: 400 x 400	1	m ²	
5.3	Floor Tile, V/N brand: 400 x 400	1	m ²	
5.4	Floor Tile, Italy: 400 x 400	1	m ²	
5.5	Wall Tile, Chinese brand: 200 x 300	1	m ²	
5.6	Wall Tile, Thai brand: 200 x 300	1	m ²	
5.7	Wall Tile, V/N brand: 200 x 300	1	m ²	
5.8	Wall Tile, Italy: 200 x 300	1	m ²	
6.	PAINTING			
6.1	Internal paint: U90	1	container	
6.2	Internal paint (Thai)	1	container	
6.3	Internal paint (Nippon Paint/Japan)	1	container	
6.4	Internal paint (Khmer)	1	container	
6.5	External paint: U90	1	container	
6.6	External paint (Thai)	1	container	
6.7	External paint (Nippon Paint/Japan)	1	container	
6.8	External paint (Khmer)	1	container	
7.	DOOR			
7.1	Wooden door, good quality: 1000 x 1800	1	set	
7.2	Wooden door, normal quality: 1000 x 1800	1	set	
7.3	Wooden door, good quality: 800 x 1800	1	set	
7.4	Wooden door, normal quality: 800 x 1800	1	set	
7.5	Wooden window, good quality	1	set	
7.6	Wooden window, normal quality	1	set	
7.7	Glass window			
7.8	Plastic door (Khmer): 750 x 1800	1	set	



No.	Item	Qty.	Unit	Price in year 2020, (USD)
7.9	Plastic door (V/N): 750 x 1800	1	set	
7.10	Plastic door (Taiwan): 750 x 1800	1	set	
7.11	Plastic door (Thai): 750 x 1800	1	set	
B. OTHERS				
8.1	Structure Timber, good quality	1	m ³	
8.2	Structure Timber, Normal quality	1	m ³	
8.3	Small Pole: Ø 50 x 4000	1	pole	
8.4	Medium Pole: Ø 100 x 4000	1	pole	
8.5	Big Pole: Ø 200 x 6000	1	pole	
8.6	Smach (small): Ø 30 x 3000	1	pole	
8.7	Smach (small): Ø 30 x 4000	1	pole	
8.8	Smach (small): Ø 30 x 6000	1	pole	
8.9	Bamboo	1	bunch	
8.10	Kon Sla	1	bunch	
8.11	Wall clay brick (Khmer brand)	100	piece	
8.12	Wall clay brick (V/N brand)	100	piece	
8.13	Floor clay brick	1	m ²	
8.14	Concrete fence column	1	column	
8.15	Fence wire	1	Kg	
8.16	Granite Gravel: 4 x 6	1	m ³	
8.17	Granite Gravel: 1 x 2	1	m ³	
8.18	Gravel/Granularity	1	m ³	
8.19	Stream Sand No.1 (small)	1	m ³	
8.20	Stream Sand No.2 (medium)	1	m ³	
8.21	Stream Sand No.3 (big)	1	m ³	
8.22	River Sand	1	m ³	
8.23	Nail	1	Kg	



**KINGDOM OF CAMBODIA
NATION RELIGION KING**

**REPLACEMENT COST STUDY QUESTIONNAIR
(TREES AND CROPS)**

Province: District: Commune:

Date of interview:/...../..... Starting time:

Interviewer's name: Ending time:

Name of Respondent: Status:

Status code: 1= Affected People 2= Not affected people, but in affected village
3= Seedling suppliers 4= Market vender

I. Trees

1= Mango 2= Coconut 3= Longan 4= Tamarind 5= Lemon
6= Jackfruit 7= Custard-apple 8= Palm tree 9= Bamboo 10= Soda tree
11= Sour sop 12= Orange 13= Teuk Doh Kor 14= Papaya 15= Banana
16= Guava 17= Cassia 18= Eucalyptus 19= Cashew 20= Other.....

No.	Name	Duration to get fruit (year)	Tree cost (Riel)			Yield per year Kg or fruit	Unit price Riel per Kg or fruit
			Seedling	Young tree	Mature		



No.	Name	Duration to get fruit (year)	Tree cost (Riel)			Yield per year Kg or fruit	Unit price Riel per Kg or fruit
			Seedling	Young tree	Mature		

II. Crops

- 1= Soya been 2= Mug been 3= Rice 4= Water lemon
 5= Cabbage 6= Potato 7= Cassava 8= Lotus
 9= Sugar cane 10= Corn 11= Pepper 12= Ginger
 13= Galanga 14= Flower 15= Eggplant 16= Other.....

No.	Name	Duration to get crop (month)	Seed cost (Riel/Kg)	Seed amount (Kg/100m ²)	Season yield (Kg/100m ²)	Annual yield (Kg/100m ²)	Unit price of product (riel/Kg)



**KINGDOM OF CAMBODIA
NATION RELIGION KING**

**REPLACEMENT COST STUDY QUESTIONNAIR
(LAND)**

Province: District: Commune:

Date of interview:...../...../..... Starting time:.....

Interviewer's name:..... Ending time:.....

Name of Respondent:..... Status:

Status code: 1= Affected People 2= Not affected people, but in affected village
3= Local Authority 4= District land management officer

I. LAND SELLING AND BUYING INFORMATION

No.	Land Category	Size, m ²	Total Price in USD	Year to sell/buy	Distance from road	Village	Current Price in USD			
							2017	2018	2019	2020

Land Code: 1= Rice field 2= Orchard 3= Residential 4= Commercial 5= Flooded
6= Other....

II. LAND BENEFIT

2.1 For agricultural land, what are they cultivating?

No.	Type of Crop	Cultivated Area, m ²	Production a time	How many cultivate time a year	Unit price	Total income a year



- 2.2 Distance from urban: Km.
- 2.3 Distance from market: Km.
- 2.4 Distance from Provincial town: Km.
- 2.5 Distance from District town: Km.
- 2.6 Distance from Industrial Area: Km.
- 2.7 When has land price at this location increased?
 Note, what reason for this:

- 2.8 Has the land price increased in year 2017-18? Yes..... No.....
 Note, what reason for this:

- 2.9 Has the land price increased in year 2019? Yes..... No.....
 Note, what reason for this:

- 2.10 Any problems about selling and buying land at this location?
 Note, what reason for this:

- 2.11 Did buyer get a certificate? Yes..... No.....
 If yes, who from:
 How much do they have to pay?
- 2.12 Who bought the land?

- 2.13 Other matters:



**KINGDOM OF CAMBODIA
NATION RELIGION KING**

**REPLACEMENT COST STUDY QUESTIONNAIR
(STRUCTURES)**

Province: District: Commune:
 Date of interview:/...../..... Starting time:
 Interviewer's name: Ending time:
 Name of Respondent: Status:
 Status code: 1= Affected People 2= Not affected people, but in affected village
 Type: Roof: Wall: Floor: Column:
 Story number: Floor Area:

1. Interviews with owner of structures:

1.1 Main materials they used for their structures:

Main materials	Unit	Amount	Unit cost (USD)	Total cost (USD)	Origin of material	Distance of transport Km
					1= local 2=oversea	
Plastic sheet	piece					
Thatch	piece					
Fibro	piece					
Zinc	piece					
Roofing Tile	piece					
Good Wood	m ³					
Normal Wood	m ³					
Paper Ply	piece					
Wooden Ply	piece					
Pole	unit					
Bamboo strip	bunch					
Small pole	unit					
Floor tile	piece					
Wall tile	piece					
Bathroom accessory	set					
Wall Brick	piece					



Main materials	Unit	Amount	Unit cost (USD)	Total cost (USD)	Origin of material	Distance of transport Km
					1= local 2=oversea	
Floor Brick	piece					
Paint	container					
With Cement	ton					
Grey Cement	ton					
Steel	ton					
Sand (small)	m ³					
Sand (big)	m ³					
Gravel (1x2)	m ³					
Gravel (4x6)	m ³					
Granularity	m ³					
Other.....						
Grand total (USD)						

- 1.2 - Structure Cost per m²: _____ \$
- Total material cost: _____ \$
- Total labor cost: _____ \$
- Other expense: _____ \$
- Total structure cost: _____ \$, Floor Area of Structure: m²

2 Detailed Measurements by Studying Team:

- 2.1 Roofing Area: m² Unit cost:\$/m²

Material	Quantify	Unit Cost, USD	Total Price, USD

- 2.2 Wall Area:m² Unit cost:\$/m²

Material	Quantify	Unit Cost, USD	Total Price, USD



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2.3 Floor Area:m² Unit cost:\$/m²

Material	Quantify	Unit Cost, USD	Total Price, USD

2.4 Other expense: Unit cost:\$/m²

Material	Quantify	Unit Cost, USD	Total Price, USD

2.5 Total Labor Cost (estimated by Carpenter/Bricklayer):USD
Unit cost:\$/m²

Detailed question for labor cost:

2.5.1 Worker/apprentice:man/day, labor cost per person:USD

2.5.2 Master craftsman:man/day, labor cost per person:USD

2.5.3 Senior master craftsman:man/day, labor cost per person:USD

3. Fixed Assets:

No.	TYPE OF ASSETS	UNIT	Unit Cost USD
1	Dug Well (d=6m)	1	
2	Concrete Well (d=6m)	1	
3	Pumped Well	1	
4	Grave (earth)	1	
5	Grave (concrete)	1	
6	Chedey / stupa	1	
7	Forecourt or patio /concrete	1m ²	
	BRIDGE		
8	Bridge concrete	1m ²	
9	Bridge wooden	1m ²	
	FENCE		
10	Timber post with bamboo strip	1 lm	
11	Timber post with wire	1 lm	
12	Concrete post with wire	1 lm	



No.	TYPE OF ASSETS	UNIT	Unit Cost USD
13	Brick Wall, 100mm	1 lm	
14	Brick Wall, 200mm	1 lm	
15	Carrelage	1m ²	
16	Cement Culvert Ø 1.0m	1	
17	Cement Culvert Ø 0.5m	1	
18	Cement Culvert Ø 0.2m	1	
19	Concrete Culvert Ø 0.8m	1	
20	Concrete Culvert Ø 0.5m	1	
21	Other.....		
22	Other.....		

Annex N: Internal Monitoring Indicators

Purpose	Activities	Monitoring Indicators
Identification of compensation recipients	Verify the list of compensation recipients against eligibility criteria for compensations	Number of persons in the list of compensation recipients, who do not meet eligibility criteria (included by mistake)
	Identification of persons, who may claim eligibility for compensation, but are not included in the lists of compensation recipients. Separate verification should be performed on each type of compensation	Number of persons who meet the criteria, but are not included in the list of compensation recipients (excluded by mistake)
Verification of affected area	Confirmation of the areas of affected assets (including land plots and real property) against the RP	Area of land subject to acquisition, for which compensation has been paid
		Area of structures subject to acquisition for which compensation has been paid
Verification of compensation amount, processing and payment	Examination of financial documents	Number of persons who received compensation in time and in full amount disaggregated by compensation types
	Identification and analysis of reasons for compensations not being paid in full amount and in time.	Number of persons who did not receive compensation in time and in full amount, disaggregated by compensation types
		Amount of funding allocated for payment of compensations
	Identification of reasons for which funds for compensations have been under/overspent	Rate of spending of funds allocated for compensations, % of amount envisaged in the RP
Verification of compensation timeline	Identification of reasons for which payment of compensations was delayed (e.g. due to the court trial, inheritance issue, etc.)	Number of persons who received compensation with delay, disaggregated by compensation types and reasons of delay; changes in amount of compensation (if any) should also be noted
Verification of consultation and participation	Determine the level of involvement and identification of reasons of inadequate participation	Number of compensation recipients who participated in consultations and coordination meetings at each stage of land acquisition
	Examination of grievance cases; analysis of disputes and complaints content, and resolution of conflicts	Number of complaints received
		Number of complaints resolved

Annex O – Pumping Station Locations and Layout

North Pumping Station (main PS) – Image from 31 March 2020



South Pumping Station (Main PS) – Image from 31 March 2020

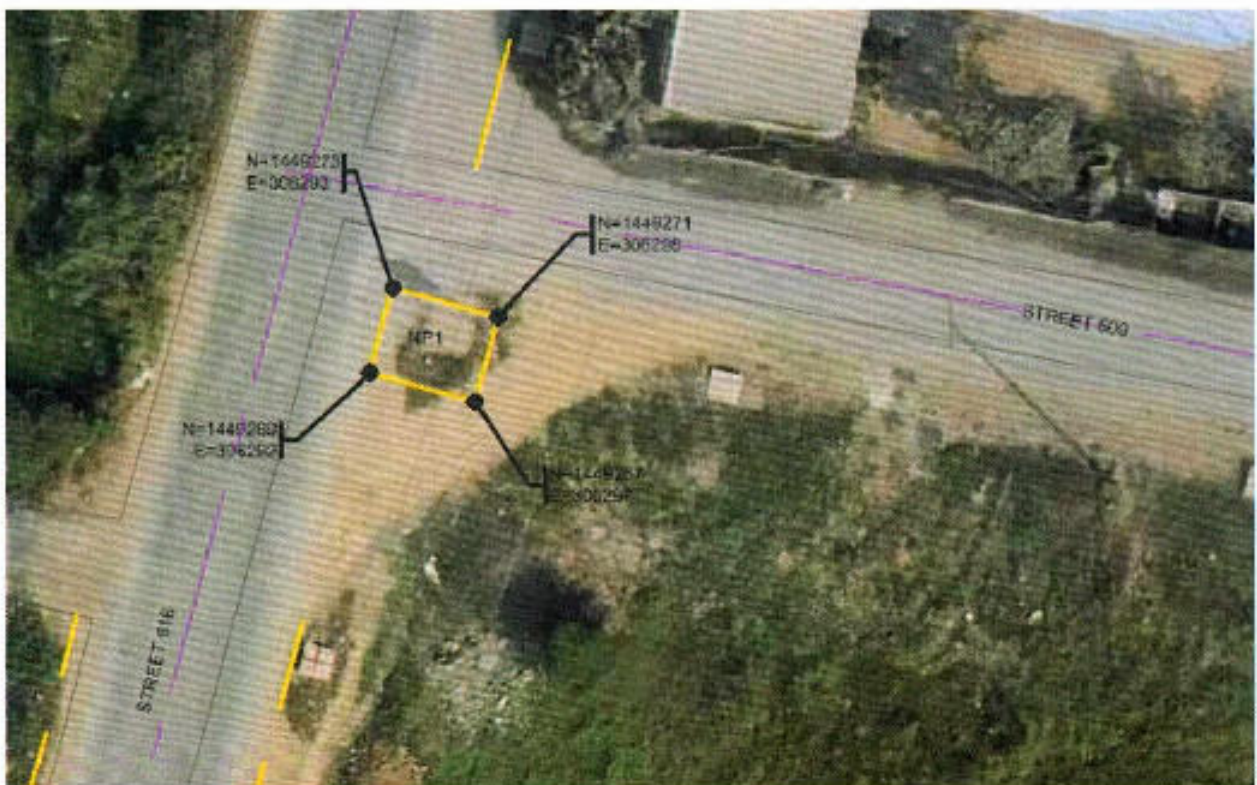
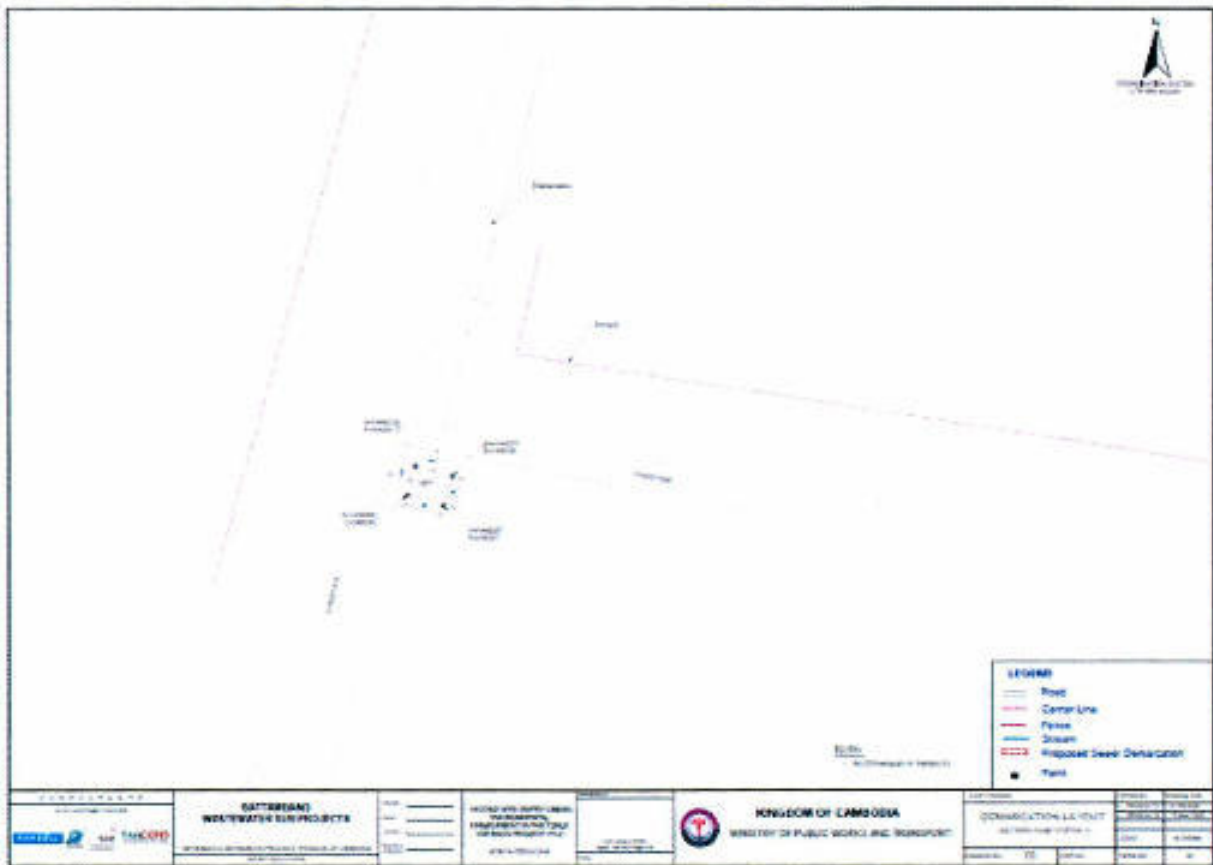


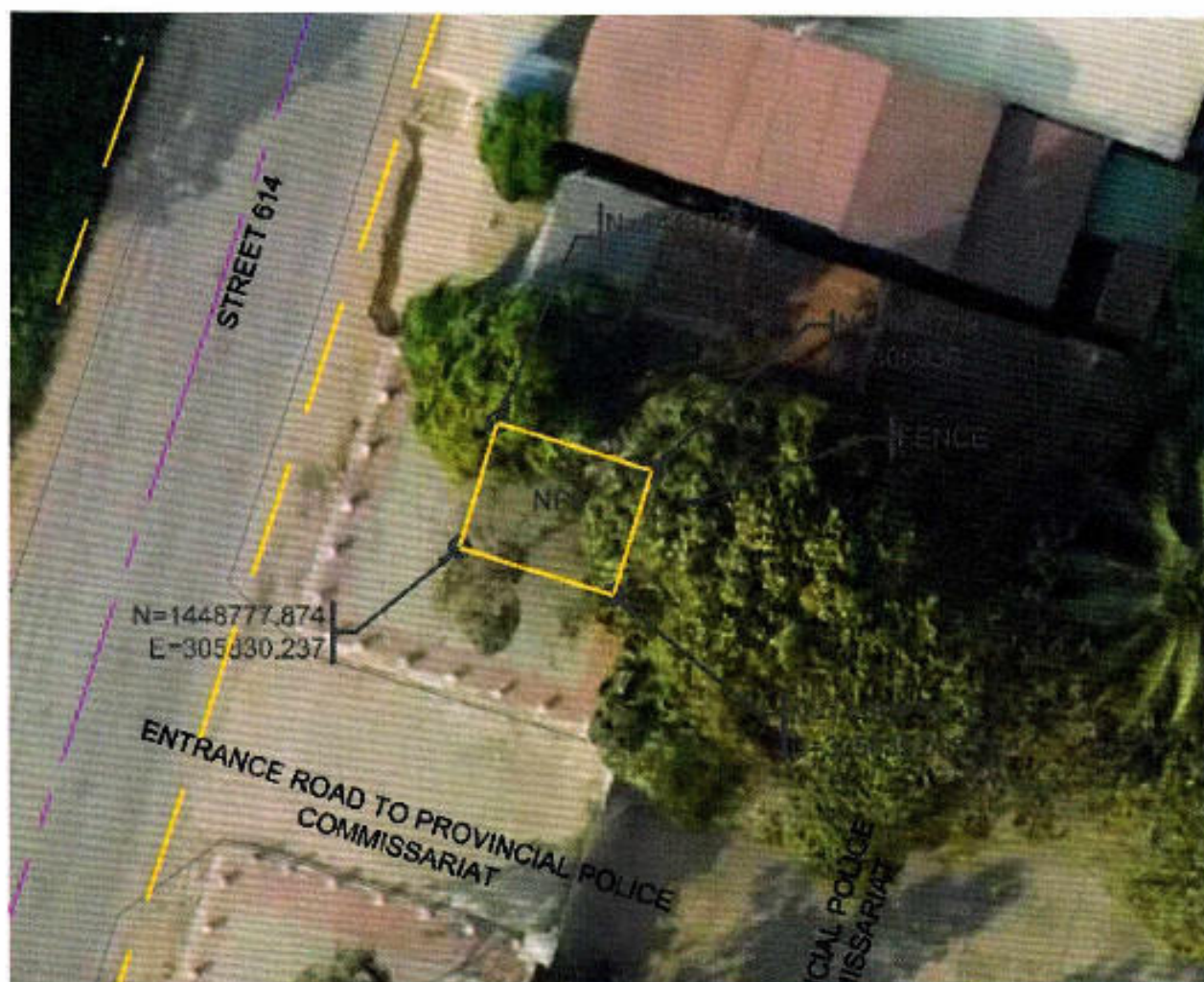
Networking Pumping Stations

Typical small PS layout

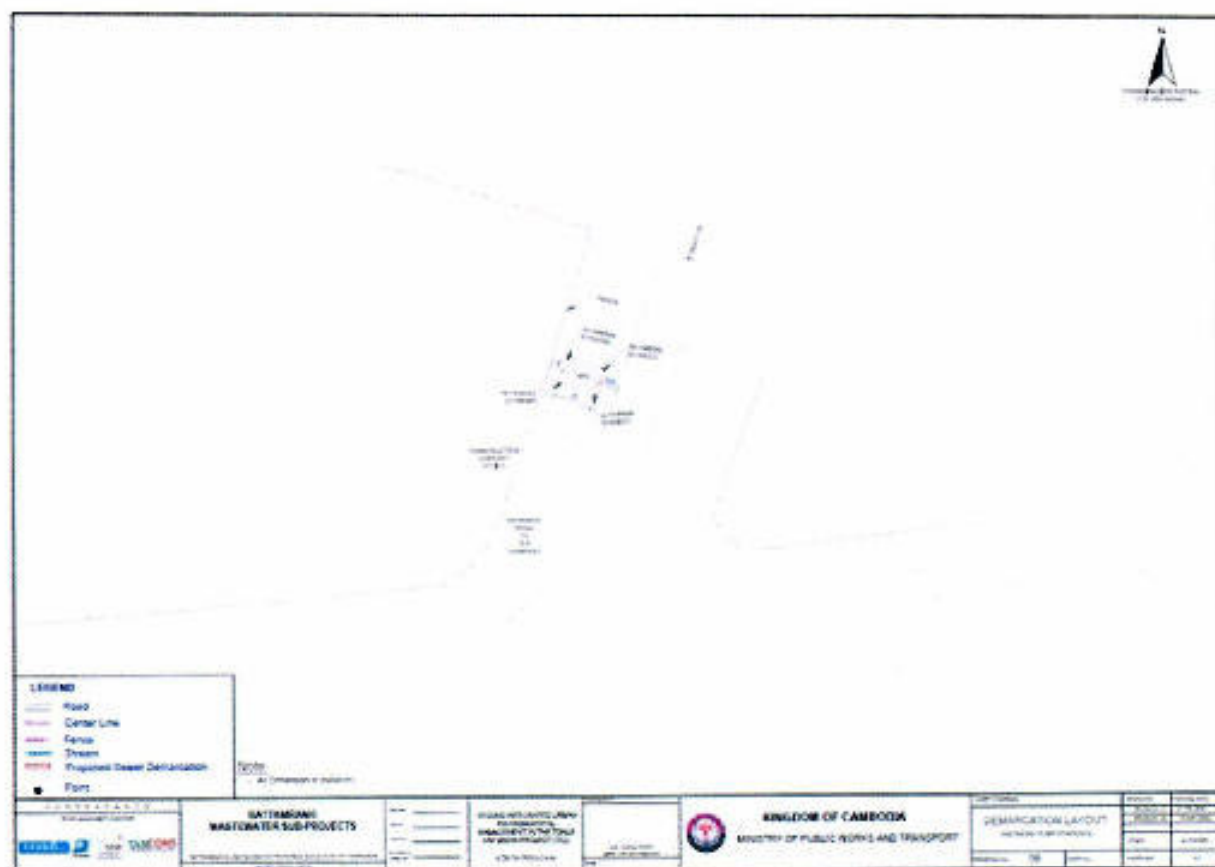


NP1



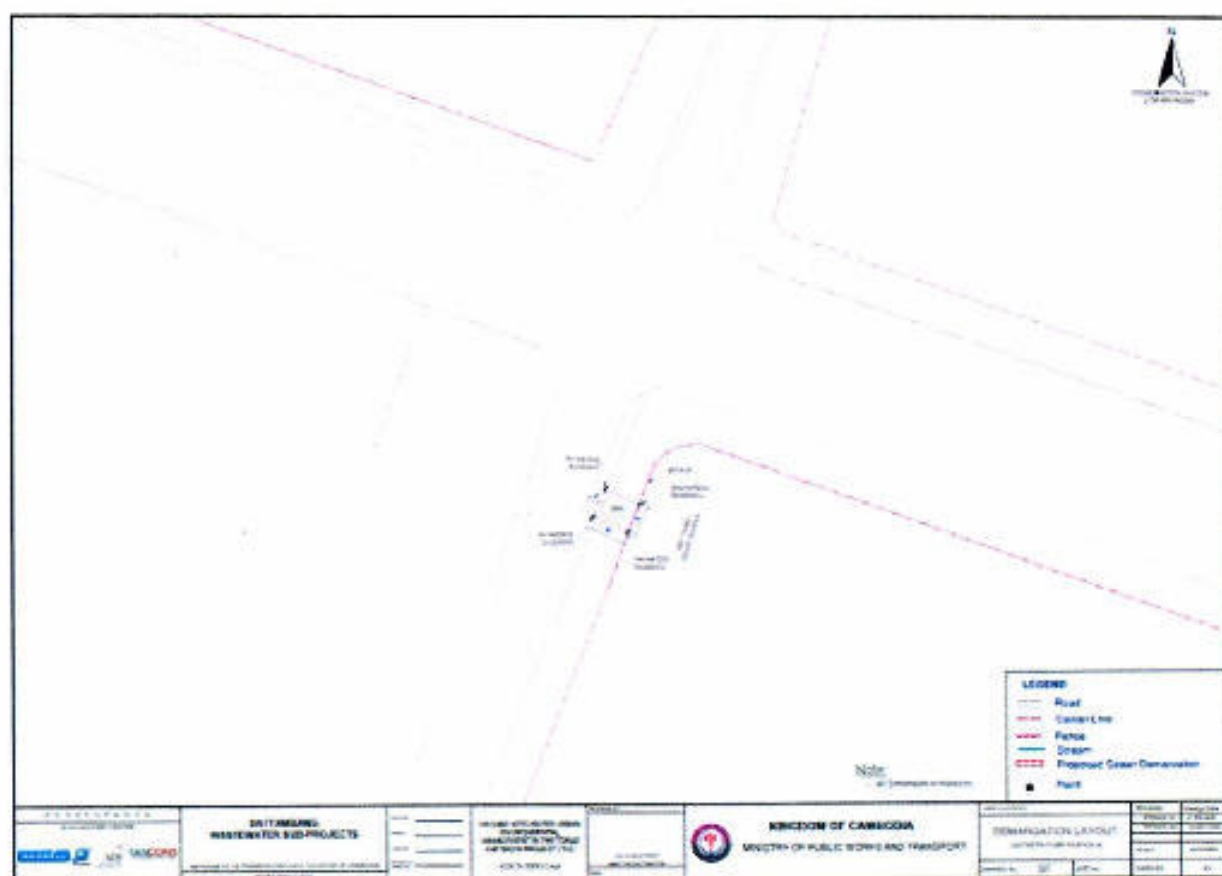


SP3





SP4





History of land use at main Pumping Stations

South PS

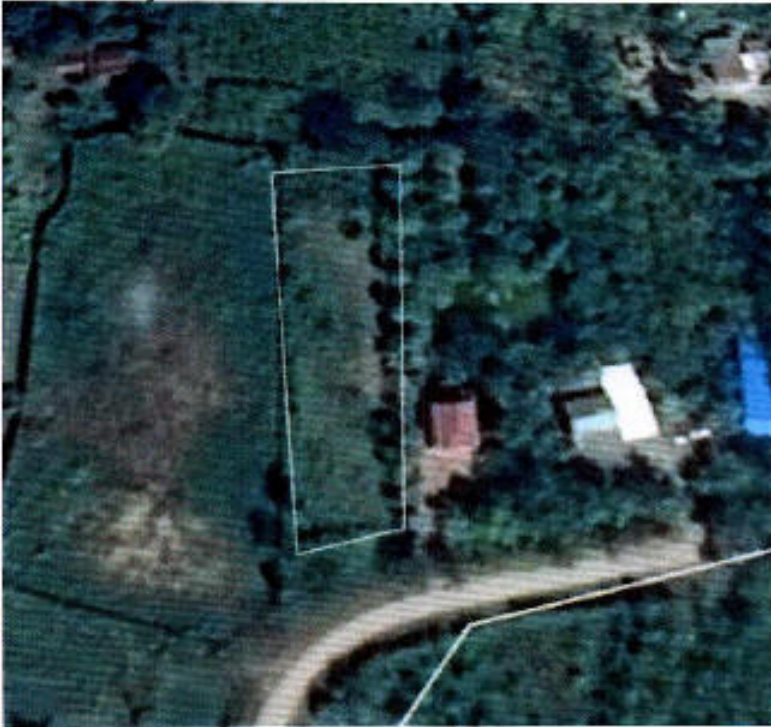
2 March 2016



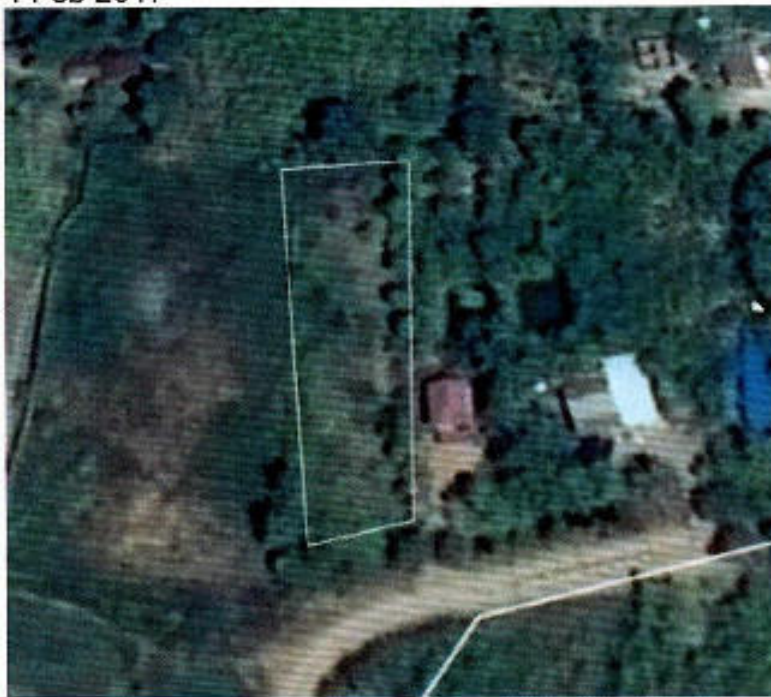
13 Oct 2016



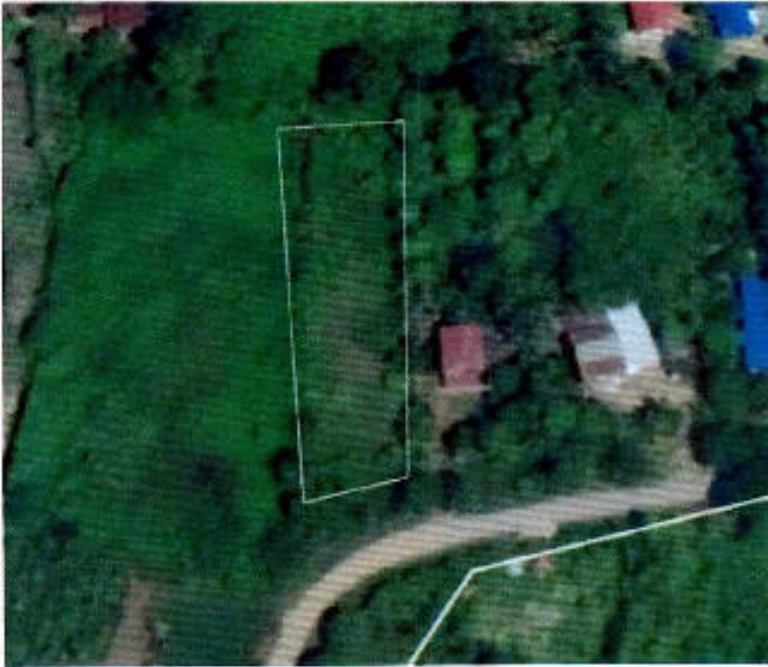
20 January 2017



4 Feb 2017



3 Nov 2017



17 Nov 2018



14 April 2019



31 March 2020



North PS



2 March 2016



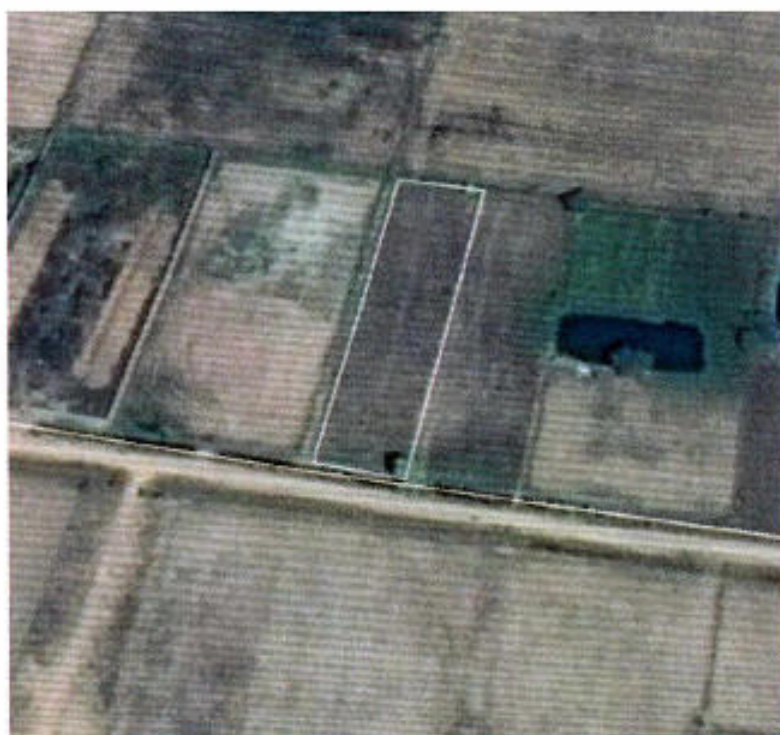
13 Oct 2016



20 January 2017



4 Feb 2017



3 Nov 2017



17 Nov 2018



15 Jan 2019



31 March 2020

