

MINUTES OF DISCUSSIONS
ON THE OUTLINE DESIGN STUDY
FOR THE PROJECT FOR STRENGTHENING HEALTH SERVICE NETWORK
IN SOUTHERN PROVINCES IN LAO PEOPLE'S DEMOCRATIC REPUBLIC
(EXPLANATION OF DRAFT REPORT)

In March and June 2012, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched the Outline Design Study Team on the Project for Strengthening Health Service Network in Southern Provinces (hereinafter referred to as "the Project") to the Lao People's Democratic Republic (hereinafter referred to as "Lao PDR"), and through discussions, field surveys and technical examination of the results in Japan, JICA prepared the draft report of the study.

In order to explain and to consult the Government of Lao PDR on the contents of the draft report, JICA sent to Lao PDR the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Mitsuru Suemori, Senior Advisor, JICA from 3rd to 11th December, 2012.

As a result of the discussions, both parties confirmed the main items described on the attached sheets.

Vientiane, 11th December, 2012



Mr. Mitsuru Suemori
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Director General,
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Lao People's Democratic Republic

ATTACHMENT

1. Components of the Draft Report:

- 1-1 The Lao side agreed and accepted in principle the contents of the draft report explained by the Team.
- 1-2 Both sides agreed on the components of the Project shown in Annex-1.

2. Schedule of the Study:

- 2-1 The Team will conduct and explain the detail design and the tender documents in April 2013.
- 2-2 The Team will complete the final report in accordance with the confirmed items and send it to the Government of Lao PDR by May 2013.

3. Measures to be taken by the Lao side:

- 3-1 In case the Project will be implemented, the Lao side agreed to take necessary measures for the smooth implementation of the Project which were agreed in the Minutes of Discussions signed on 13 March, 2012.
- 3-2 The Ministry of Health requested that the costs to be borne by the Lao side should be less than 10% of the total amount of the Project. The Team explained that the cost for the Lao side will be approximately 2%. The Provincial Health Offices of Champasack, Salavan, Sekong, and Attapeu agreed to bare the estimated costs explained by the Team shown in Annex-2.
- 3-3 To assure effectiveness and sustainability of the Project, the Provincial Health Offices of Champasack, Salavan, Sekong, and Attapeu agreed to allocate necessary staff and cover the costs for operation and maintenance shown in Annex-3.

4. Other Relevant Issues:

4-1 Changes of the project sites

- 4-1-1 The Lao side explained that the project site for Noonsavang Health Center in Champasack Province (C17) has been changed. Both sides agreed on the new construction site for C17. The Champasack Provincial Health Office promised to submit the land certificate and UXO free certificate by 21st December, 2012.
- 4-1-2 The Lao side explained that the project site for Tateu Health Center in Sekong Province (X02) has been changed. Both sides agreed on the new construction site for X02. The Sekong Provincial Health Office promised to submit the land certificate and UXO free certificate by 21st December, 2012.

4-2 Land Certificate

The Attapeu Provincial Health Office agreed to submit the Land Certificate shown in Annex-4 by 21st December, 2012.

4-3 UXO free certificate

The Lao side agreed to clear all of the UXO from the project sites listed in Annex-4 and submit the UXO free certificate by the end of February 2013.

4-4 Health center construction

4-4-1 Both sides confirmed that the construction of Chalea Health Center in Sekong Province (X03) will be complete before the staff house will be constructed under the Project.

4-4-2 The Lao side explained that due to budget constraint they currently cannot construct the health center in Paxay Health Center in Sekong Province (X04). Therefore, the Lao side requested the Team to construct the health center for X04. Based on the discussions, the Lao side agreed to submit the confirmation letter to JICA Laos Office.

4-5 Staff house construction

4-5-1 Both sides confirmed that the construction of staff houses for the 3 sites where new health center will be constructed under the Project in Salavan (S-04: Nadoakhaang Health Center, S-17: Dong Nhai Health Center, S-18: Vang Peui Health Center) which were requested in June 2012 will be covered in the Project.

4-5-2 The Lao side requested to the Team to change the priority of Scope of Work from III to II due to the increasing needs for the construction of staff houses for Donechan Health Center (X05) and Nongkan Health Center (X08) in Sekong Province. The Team took it into consideration and agreed to construct 2 additional staff houses as requested.

4-6 Layout of the staff house

Both sides agreed to modify the layout of the staff house (entrance and space for wooden oven) from the environmental point of view shown in Annex-5.

4-7 Plan for the water supply

4-7-1 Based on the results of the additional water supply survey, the plan of the water supply has been modified. Both sides agreed on the plan shown in Annex-6.

4-7-2 The Lao side agreed that Provincial Health Offices of Champasack, Salavan, Sekong, and Attapeu will coordinate with Nam Sa-at (The National Center for Environmental Health and Water Supply) at ministerial and provincial level and other relevant organizations to manage the water supply including the water being supplied by the private sector.

4-7-3 Both sides confirmed the necessity of the protection work for water sources (borehole and spring water). The protection work will be included in the Project for the sites listed in Annex-5.

4-7-4 The Lao side agreed to provide clean water to health center by means of sterilizing coliforms.

4-8 Medical equipment

4-8-1 Both sides agreed on the list of equipment for 9 district hospitals and 67 health centers shown in Annex-7.

4-8-2 The Lao side requested ultrasound and additional equipment for the laboratory in the district hospitals to upgrade the medical services.

4-8-3 Both sides agreed that the microscope will be procured to 8 health centers shown in Annex-7. The Lao side agreed to take necessary measures such as conducting training, allocate supplies, and budget to utilize and maintain the microscope.

4-9 Medical waste management

Both sides confirmed the importance of medical waste management for health centers. Burning pit for general waste will be constructed in the Project. The Lao side will take necessary measures for proper medical waste management.

- Annex-1 Components of the Project
- Annex-2 Estimated costs to be borne by the Lao side
- Annex-3 Estimate costs to be borne by the Lao side for Operation and Maintenance
- Annex-4 Land Certificate and UXO free certificate submission list
- Annex-5 Modified layout of the staff house
- Annex-6 Water supply plan
- Annex-7 Medical equipment procurement list



Summary of the Project Components

1. Total number of the sites for construction: 58 sites
 - 1) Health Center Only: 33 sites
 - 2) Staff House Only : 14 sites
 - 3) Health center and staff house: 11 sites
 - 4) Water Supply:
 - Water connection with urban/village water supply: 4sites
 - Existing Water Source
 - Village water supply: 2 sites
 - Spring Water: 5 sites
 - Borehole: 19sites
 - (Including the test borehole during the additional water supply survey: 4 sites)
 - New construction of the well: 28 sites
 - 5) PV system: 9 sites

2. Total number of the sites for medical equipment procurement: 76 sites
 - 1) District hospital: 9 sites
 - 2) Health Center: 67 sites



COMPONENT OF THE PROJECT

Site No.	Site Name	District	Building Facilities				Infrastructure (other facilities)					Equipment
			Health Center			Staff House	Water Supply System		PV System			
			A	B	B'		Borehole	EWT	HC +/or SH	RF	WP	
A-01	Boengphoukham / Lak52	Samarckay	III			I	-	I	-	-	-	I
A-02	Halang Nhai	Samarckay		I			I	I	-	-	-	I
A-03	Dak Vieng	Xaysetha		I			-	I	-	-	-	I
A-04	Sompoi	Sansaxay	II				II	II	-	-	-	II
A-05	Ban Thae	Sansaxay	I				I	I	-	-	-	I
A-06	Ban Mai	Sansaxay				III	-	-	-	-	-	I
A-07	Namsou	Saxay	III			I	-	I	I	I	-	I
A-08	Sapuan	Xaysetha				II	II	II	II	II	II	I
A-09	Keng Mhkhua	Xaysetha				II	II	II	II	II	II	I
A-10	Na Seuk	Phouvong		I			I	I	-	-	-	I
A-11	Ka Ouan	Phouvong				III	-	-	-	-	-	II
A-12	Honay Keo	Phouvong				II	II	II	-	-	-	I
A-13	Nam Kong	Phouvong				III	-	-	-	-	-	I
A-14	Bang Vilai	Sansaxay				I	-	I	I	I	I	I
A-15	Pak Bo	Sansaxay				I	I	I	I	I	I	I
A-17	Kam Khan	Samarckay				III	-	-	-	-	-	I
A-18	Languao	Samarckay				II	-	II	-	-	-	I
A-19	Somsavouy	Samarckay			*repair roof	II	-	II	-	-	-	I
A-20	Ban Meun	Saxay				III	-	-	-	-	-	II
A-22	Phou Home	Phouvong				II	-	II	II	II	II	I
C-01	Ban song	Pakse	II				II	II	-	-	-	II
C-02	Saphai	Sansomboun	II				II	II	-	-	-	II
C-03	Km 21th	Bachisong	II				II	II	-	-	-	II
C-04	Vernsay	Phonthong	I			II	I	I	-	-	-	I
C-05	Pathumphon	Pathumphone	I				I	I	-	-	-	I
C-06	HonyNgem	Champasak	I			I	-	I	-	-	-	I
C-07	Vernyang	Moonlapamok	III			III	-	-	-	-	-	II
C-08	Nafang/ Bankeang	Khong	II			III	-	II	-	-	-	II
C-09	Salow	Sansomboun		I			I	I	-	-	-	I
C-10	Banphon	Phonthong	I				I	I	-	-	-	I
C-11	Koudchick	Phonthong	II				-	II	-	-	-	II
C-12	Kalse	Pathumphone	I			I	I	I	-	-	-	I
C-13	Phonthong	Phonthong	I				-	I	-	-	-	I
C-14	Champasak	Champasak				III	-	-	-	-	-	I
C-15	Phaphe	Pathumphone				III	-	-	-	-	-	II
C-16	Phonsikai	Pakse	II				II	II	-	-	-	II
C-17	Noonsavang	Pakse	II				-	-	-	-	-	II
C-18	Selaboum	Sansomboun	I				I	I	-	-	-	I

Site No.	Site Name	District	Building Facilities				Infrastructure (other facilities)					Equipment	
			Health Center			Staff House	Water Supply System		PV System				
			A	B	B'		Borehole	EWT	HC +/- SH	RF	WP		
C-19	Kuangri	Boehang					-	-					II
C-20	Nam-oun	Pathoumphone	I				I	I	-	-	-	-	I
S-01	Naxay	Salavan	I				-	I	-	-	-	-	I
S-02	Beng Oudom	Salavan	I				-	-	-	-	-	-	I
S-03	Kasa Ngai	Salavan	II				II	II	-	-	-	-	II
S-04	Nadomkhuang	Salavan	I			II	-	I	-	-	-	-	I
S-05	Phakcha	Salavan	I				I	I	-	-	-	-	I
S-06	Buengxay	Salavan	I				-	I	-	-	-	-	I
S-07	Dan Nalao	Lakxomphong	II				II	II	-	-	-	-	II
S-08	Phonsung	Lakxomphong	I				-	I	-	-	-	-	I
S-09	Lak 90	Lakxomphong	I				I	I	-	-	-	-	I
S-10	Nadon Kao	Lakxomphong	I				-	I	-	-	-	-	I
S-11	Khonsay	Vapi	II				II	II	-	-	-	-	II
S-12	Sephat	Vapi	I				-	-	-	-	-	-	I
S-13	Tangio	Khongsedon	II				-	-	-	-	-	-	II
S-14	Thabuang	Khongsedon	II				-	II	-	-	-	-	II
S-15	Kenghuad	Khongsedon	II				-	-	-	-	-	-	II
S-16	Nong Kae	Laongam	I			II	I	I	-	-	-	-	I
S-17	Dong Nhai	Laongam	I				I	I	-	-	-	-	I
S-18	Vang Patti	Laongam	I			II	I	I	-	-	-	-	I
X-01	Dakdin	Dakchung				II	-	II	II	II	II	II	I
X-02	Tateu	Dakchung				I	-	I	I	I	I	I	I
X-03	Chalou	Kaleum				I	-	I	I	I	I	I	I
X-04	Paxay	Kaleum				I	-	I	-	-	-	-	I
X-05	Donechan	Lamam	II			II	II	II	-	-	-	-	II
X-06	Phou	Lamam	I			II	-	-	-	-	-	-	I
X-07	Tanoun	Lamam			I	I	-	I	-	-	-	-	I
X-08	Nongkam	Tateng	II			II	-	II	-	-	-	-	II
X-09	Yup	Tateng		I		II	-	I	-	-	-	-	I
Total excluding SOW III			38	5	1	25	28	52	9	9	8	8	57

EWT: Elevated Water Tank RF: For vaccine refrigerator WP: For water pump
I: SOW I II: SOW II III: SOW III

39

Estimated Costs to be borne by Champasak Provincial Health Office (PHO) Unit: Thousand Kip

Particulars	Unit	Unit Price	SOW-I		Total		Remarks
			Qty	Amount	Qty	Amount	
Items to be covered by the Recipient							
- Site clearance including tree cutting and removal of roots	LS	-	1	21,107.46	1	67,680.50	See Table-A
- Water connection with urban water supply network	sites	1,535.00	0	0.00	1	1,535.00	C-17 only
- Water connection with community water supply network	sites	1,535.00	0	0.00	0	0.00	
- Power connection with low voltage power supply network	sites	1,500.00	3	4,500.00	8	12,000.00	
- Power connection with medium voltage power supply network	sites	128,362.80	2	256,725.60	2	256,725.60	Including 25KVA transformer
- Additional cost for extension of power supply lines (LV/MV)	LS	-	1	41,240.00	1	49,335.00	See Table-B
- Provision of furniture for staff houses and health centers	LS	-	1	56,879.30	1	89,593.20	See Table-C
Total				380,452.36		476,869.39	

Table-A

SITE No.	Name	SOW	Remarks	Site condition/ Work required ¹⁾	Evaluation ²⁾	Area (uf)	Unit rate	Amount
C-01	Saphou	I	New site	no need grading	o	960	0.66	629.76
C-02	Saphou	I	New site	no need grading	o	980	8.69	8,518.16
C-03	Saphou	I	New site	no need grading	o	940	0.66	616.64
C-04	Vernsay	I	New site	no need grading	o	960	0.66	629.76
C-05	Patumphon	I	New site	no need grading	Δ	980	8.69	8,518.16
C-06	HouyNgem	I	New site	no need grading	o	940	0.66	616.64
C-07	Saphou	I	New site	no need grading	o	960	0.66	629.76
C-08	Saphou	I	New site	no need grading	o	980	8.69	8,518.16
C-09	Salou	I	New site	Access road to be graded	o	940	0.66	616.64
C-10	Banphon	I	New site	no need grading	o	1,020	0.66	669.12
C-11	Saphou	I	New site	no need grading	o	960	0.66	629.76
C-12	Kalac	I	New site	Land to be clear or gaining	Δ	940	8.69	8,170.48
C-13	Pbonthong	I	Village house	no need grading	o	980	0.66	642.88
C-14	Saphou	I	New site	no need grading	o	960	0.66	629.76
C-15	Saphou	I	New site	no need grading	o	980	8.69	8,518.16
C-16	Saphou	I	New site	no need grading	o	940	0.66	616.64
C-18	Selabom	I	School land	no need grading	o	948	0.66	621.89
C-20	Nam-om	I	New site	no need grading	o	948	0.66	621.89
SOW1						8,656		21,107.46

Table-B

SITE No.	Name	SOW	Line	Cost of Line Extension				Cost of Pole Installation				Total Amount
				Unit	Qty	U/P	Amount	Unit	Qty	U/P	Amount	
C-06	HonyNgern	I	MV	km	200	65.00	13,000.00	No.	4	2,870.00	11,480.00	24,480.00
C-09	Salow	I	LV	km	80	45.00	3,600.00	No.	2	2,870.00	5,740.00	9,340.00
C-10	Bamphon	I	LV	km	20	45.00	900.00	No.	1	2,870.00	2,870.00	3,770.00
C-20	Nam-orm	I	MV	km	12	65.00	780.00	No.	1	2,870.00	2,870.00	3,650.00
SOW1		I									Sub-total (SOW1)	41,240.00
SOW2											Sub-total (SOW2)	2,000.00

Table-C

	HC-A	1,660.50	HC-B	1,414.50	HC-B'	1,414.50	SH	21,090.40	Total Amount
SOW1	8	C-04,C-05,C-06,C-10, C-12,C-13,C-18,C-20	1	C-09	0	C-09	2	C-06,C-12,	56,879.30

Estimated Costs to be borne by Salavan Provincial Health Office (PHO)

Unit: Thousand Kip

Particulars	Unit	Unit Price	SOW-I		SOW-II		Total		Remarks
			Qty	Amount	Qty	Amount	Qty	Amount	
Items to be covered by the Recipient									
- Site clearance including tree cutting and removal of roots	LS	-	1	66,409.18			1	78,439.56	See Table-A
- Water connection with urban water supply network	sites	1,535.00	0	0.00			1	1,535.00	S-13 only
- Water connection with community water supply network	sites	1,535.00	0	0.00			1	1,535.00	S-12 only
- Power connection with low voltage power supply network	sites	1,500.00	11	16,500.00			15	22,500.00	
- Power connection with medium voltage power supply network	sites	128,362.80	1	128,362.80			2	256,725.60	Including 25KVA transformer
- Additional cost for extension of power supply lines (LV/MV)	LS	-	1	23,165.00			1	26,935.00	See Table-B
- Provision of furniture for staff houses and health centers	LS	-	1	19,926.00			1	93,160.20	See Table-C
Total				254,362.98				480,830.56	

Table-A

SITE No.	Name	SOW	Remarks	Site condition/ Work required ¹	Evaluation ²	Area (m ²)	Unit rate	Amount
S-01	Naxay	I	Same site	no need grading	o	1,012	0.66	663.87
S-02	Beng Oudom	I	New site	no need grading	Δ	1,024	8.69	8,900.61
S-04	Nadonkhang	I	New site	Adjacent area to be filled	Δ	968	8.69	8,413.86
S-05	Phakha	I	Same site	no need grading	o	1,040	0.66	682.24
S-06	Buangray	I	Same site	no need grading	o	980	0.66	642.88
S-08	Phonsung	I	Same site	no need grading	o	1,000	0.66	656.00
S-09	Lak 90	I	New site	no need grading	Δ	940	8.69	8,170.48
S-10	Nadou Kao	I	New site	no need grading	Δ	980	8.69	8,518.15
S-12	Sapbat	I	New site	no need grading	Δ	1,040	8.69	9,039.68
S-16	Nong Kae	I	New site	site covered mostly by wood, cutting trees and grading is required	x	1,020	19.11	19,488.12
S-17	Dong Nhai	I	New site	no need grading	o	932	0.66	611.39
S-18	Vang Peui	I	New site	no need grading	o	948	0.66	621.89
SOW1						11,884		66,409.18

Table-B

SITE No.	Name	SOW	Line	Cost of Line Extension			Cost of Pole Installation			Total Amount		
				Unit	Qty	U/P	Amount	Unit	Qty		U/P	Amount
S-04	Nadonkhang	I	MV	lm	20	65.00	1,300.00	No.	1	2,870.00	2,870.00	4,170.00
S-13	Sapbat	I	LV	lm	120	45.00	5,400.00	No.	2	2,870.00	5,740.00	11,140.00
S-16	Nong Kae	I	LV	lm	20	45.00	900.00	No.	1	2,870.00	2,870.00	3,770.00
S-18	Vang Peui	I	LV	lm	27	45.00	1,215.00	No.	1	2,870.00	2,870.00	4,085.00
SOW1		I								Sub-total (SOW1)		23,165.00

Table-C

	HC-A	1,680.50	HC-B	1,414.50	HC-B'	1,414.50	SH	21,090.40	Total Amount
SOWI	12	S-01,S-02,S-04,S-05,S-06,S-08, S-09,S-10,S-12,S-16,S-17,S-18							19,926.00

(6)

Estimated Costs to be borne by Sekong Provincial Health Office (PHO)

Unit: Thousand Kip

Particulars	Unit	Unit Price	SOW-I		SOW-II		Total		Remarks
			Qty	Amount	Qty	Amount	Qty	Amount	
Items to be covered by the Recipient									
- Site clearance including tree cutting and removal of roots	LS	-	1	42,527.82			1	59,746.51	See Table-A
- Water connection with urban water supply network	sites	1,535.00	1	1,535.00			1	1,535.00	X-06 only
- Water connection with community water supply network	sites	1,535.00	0	0.00			0	0.00	
- Power connection with low voltage power supply network	sites	1,500.00	4	6,000.00			6	9,000.00	
- Power connection with medium voltage power supply network	sites	128,362.80	0	0.00			0	0.00	Including 25KVA transformer
- Additional cost for extension of power supply lines (LV/MV)	LS	-	1	18,230.00			1	22,000.00	See Table-B
- Provision of furniture for staff houses and health centers	LS	-	1	88,851.10			1	158,272.30	See Table-C
Total				185,608.92				250,553.81	

Table-A

SITE No.	Name	SOW	Remarks	Site condition/ Work required *	Evaluation **	Area (m ²)	Unit rate	Amount
X-02	Datan	I	New site	Remove trees and top soil	Δ	1,000	8.69	8,692.00
X-03	Chalea	I	Same site	Remove trees and top soil	Δ	1,020	8.69	8,865.84
X-04	Paxay	I	New site	Remove trees and top soil	Δ	920	8.69	7,996.64
X-06	Phon	I	Same site	no need grading	o	964	0.66	632.38
X-07	Tanum	I	New site	need cutting small trees and grass, grading is also needed	Δ	980	8.69	8,518.16
X-09	Yup	I	New site	Land to be cleared or graded	Δ	900	8.69	7,822.80
SOW1						5,784		42,527.82

Table-B

SITE No.	Name	SOW	Line	Cost of Line Extension				Cost of Pole Installation				Total Amount
				Unit	Qty	U/P	Amount	Unit	Qty	U/P	Amount	
X-04	Paxay	I	LV	km	50	45.00		No.	1	2,870.00	2,870.00	5,120.00
SOW1		I										18,230.00

Table-C

	HC-A	1,560.50	HC-B	1,414.50	HC-B'	1,414.50	SH	21,090.40	Total Amount
SOW1	1	X-06	1	X-07	1	X-09	4	X-02, X-03, X-04, X-07	88,851.10

Estimated Annual Operation Costs for Attapeau Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Amount	Remarks
Salaries for the additional staff required	4	538.76	25,860	Salary for Primary Nurse
- Allowance for the outreach activities	4	134.69	6,465	Allowed 25% of salaries
Electricity Charge for HC Type A	2	0.34	2,487	10.02kWh/day
Electricity Charge for HC Type B	3	0.34	3,552	9.54kWh/day
Electricity Charge for HC Type B	0	0.34	0	10.02kWh/day
Electricity Charge for Staff House	10	0.34	2,341	1.886kWh/day
Water Rate for City Water Supply	0	1.38	0	4.15m ³ /day
Water Rate for Community Water Supply	0	1.38	0	4.15m ³ /day
Fuel for Motor Cycle	14	10.08	33,869	200/motorcycle/month
Chlorine	3	20.00	21,900	1.0m ³ /day

Estimated Maintenance Costs for Facilities for Attapeau Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- External painting	15	5,120	Every 10 years	76,800
- Internal painting incl. doors, built-in furniture	15	10,240	Every 5 years	153,600
- Painting and repairs of doors/ windows	15	2,560	Every 5 years	38,400
- Repairs of roof and cleaning of gutters	15	400	Every 5 years	6,000
- Removal of scum out of septic tank	15	500	Every two years	7,500
- Cleaning of manholes	15	2,000	Every 5 years	30,000
- Changing light bulbs/ tubes	15	320	Every 2 year	4,800
- Periodical maintenance and repairs	6	8,400	Every year	50,400
- Renewal of batteries	6	34,800	Every 5 years	208,800
- Periodical maintenance and repairs	11	235	Every year	2,585
- Renewal of water pump	11	13,300	Every 10 years	146,300

Estimated Maintenance Costs for Equipment for Attapeau Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- Replacement of packing	13	53.30	Every 2 years	693
- Replacement of pipe heater	19	246.00	Every 2 years	4,674
- Tire change	14	24.60	Once a year	344
- Oil change	14	82.00	Once a year	1,148
- Replacement of brake cable	14	615.00	Every 3 years	8,610
- Replacement of V-belt for power transmission device	14	512.50	Every 10,000km	7,175
- Replacement of air cleaner element for power transmission device	14	30.75	Every 20,000km	431
- Replacement of oil filter for engine	14	153.75	Every 15,000km	2,153
- Replacement of air cleaner element for engine	14	41.00	Every 20,000km	574

Estimated Annual Operation Costs for Champasak Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Amount	Remarks
Salaries for the additional staff required	27	598.76	174,558	Salary for Primary Nurse
- Allowance for the outreach activities	27	134.69	43,640	Allowed 25% of salaries
Electricity Charge for HC Type A	15	0.34	18,652	10.02kWh/day
Electricity Charge for HC Type B	1	0.34	1,184	9.54kWh/day
Electricity Charge for HC Type B	0	0.34	0	10.02kWh/day
Electricity Charge for Staff House	3	0.34	702	1.886kWh/day
Water Rate for City Water Supply	1	1.38	2,090	4.15m ³ /day
Water Rate for Community Water Supply	0	1.38	0	4.15m ³ /day
Fuel for Motor Cycle**	19	10.08	45,965	200/motorcycle/month
Chlorine	3	20.00	21,900	1.0m ³ /day

Estimated Maintenance Costs for Facilities for Champasak Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- External painting	19	5,120	Every 10 years	97,280
- Internal painting incl. doors, built-in furniture	19	10,240	Every 5 years	194,560
- Painting and repairs of doors/windows	19	2,560	Every 5 years	48,640
- Repairs of roof and cleaning of gutters	19	400	Every 5 years	7,600
- Removal of scum out of septic tank	19	300	Every two years	9,500
- Cleaning of manholes	19	2,000	Every 5 years	38,000
- Changing light bulbs/ tubes	19	320	Every 2 year	6,080
- Periodical maintenance and repairs	0	8,400	Every year	0
- Renewal of batteries	0	34,800	Every 5 years	0
- Periodical maintenance and repairs	15	235	Every year	3,525
- Renewal of water pump	15	13,300	Every 10 years	199,500

Estimated Maintenance Costs for Equipment for Champasak Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- Replacement of packing	19	53.30	Every 2 years	1,013
- Replacement of pipe heater	19	246.00	Every 2 years	4,574
- Tire change	19	24.60	Once a year	467
- Oil change	19	82.00	Once a year	1,558
- Replacement of brake cable	19	615.00	Every 3 years	11,685
- Replacement of V-belt for power transmission device	19	512.50	Every 10,000km	9,738
- Replacement of air cleaner element for power transmission device	19	30.75	Every 20,000km	584
- Replacement of oil filter for engine	19	153.75	Every 15,000km	2,921
- Replacement of air cleaner element for engines	19	41.00	Every 20,000km	779

(B)

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Estimated Annual Operation Costs for Salavan Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Amount	Remarks
Salaries for the additional staff required	13	538.76	84,047	Salary for Primary Nurse
- Allowance for the outreach activities	13	134.69	21,012	Allowed 25% of salaries
Electricity Charge for HC Type A	18	0.34	22,383	10.02kWh/day
Electricity Charge for HC Type B	0	0.34	0	9.54kWh/day
Electricity Charge for HC Type B	0	0.34	0	10.02kWh/day
Electricity Charge for Staff House	3	0.34	702	1.886kWh/day
Water Rate for City Water Supply	1	1.38	2,090	4.15m ³ /day
Water Rate for Community Water Supply	1	1.38	2,090	4.15m ³ /day
Fuel for Motor Cycle	12	10.08	29,030	200/motorcycle/month
Chlorine	3	20.00	21,900	1.0m ³ /day

Estimated Maintenance Costs for Facilities for Salavan Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- External painting	21	5,120	Every 10 years	107,520
- Internal painting incl. doors, built-in furniture	21	10,240	Every 5 years	215,040
- Painting and repairs of doors/ windows	21	2,560	Every 5 years	53,760
- Repairs of roof and cleaning of gutters	21	400	Every 5 years	8,400
- Removal of scum out of septic tank	21	500	Every two years	10,500
- Cleaning of manholes	21	2,000	Every 5 years	42,000
- Changing light bulbs/ tubes	21	320	Every 2 year	6,720
- Periodical maintenance and repairs	0	8,400	Every year	0
- Renewal of batteries	0	34,800	Every 5 years	0
- Periodical maintenance and repairs	15	235	Every year	3,525
- Renewal of water pump	15	13,300	Every 10 years	199,500

Estimated Maintenance Costs for Equipment for Salavan Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- Replacement of packing	18	53.30	Every 2 years	959
- Replacement of pipe heater	15	246.00	Every 2 years	3,690
- Tire change	12	24.60	Once a year	295
- Oil change	12	82.00	Once a year	984
- Replacement of brake cable	12	615.00	Every 3 years	7,380
- Replacement of V-belt for power transmission device	12	512.50	Every 10,000km	6,150
- Replacement of air cleaner element for power transmission device	12	30.75	Every 20,000km	369
- Replacement of oil filter for engine	12	153.75	Every 15,000km	1,845
- Replacement of air cleaner element for engine	12	41.00	Every 20,000km	492

(B)

Estimated Annual Operation Costs for Sekong Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Amount	Remarks
Salaries for the additional staff required	14	538.76	90,512	Salary for Primary Nurse
- Allowance for the outreach activities	14	134.69	22,628	Allowed 25% of salaries
Electricity Charge for HC Type A	3	0.34	3,730	10.02kWh/day
Electricity Charge for HC Type B	1	0.34	1,184	9.54kWh/day
Electricity Charge for HC Type B	1	0.34	1,243	10.02kWh/day
Electricity Charge for Staff House	9	0.34	2,106	1.886kWh/day
Water Rate for City Water Supply	1	1.38	2,090	4.15m ³ /day
Water Rate for Community Water Supply	0	1.38	0	4.15m ³ /day
Fuel for Motor Cycle	8	10.08	19,354	202/motorcycle/month
Chlorine	1	20.00	7,300	1.0m ³ /day

Estimated Maintenance Costs for Facilities for Sekong Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- External painting	14	5,120	Every 10 years	71,680
- Internal painting incl. doors, built-in furniture	14	10,240	Every 5 years	143,360
- Painting and repairs of doors/ windows	14	2,560	Every 5 years	35,840
- Repairs of roof and cleaning of gutters	14	400	Every 5 years	5,600
- Removal of scum out of septic tank	14	500	Every two years	7,000
- Cleaning of manholes	14	2,000	Every 5 years	28,000
- Changing light bulbs/ tubes	14	320	Every 2 year	4,480
- Periodical maintenance and repairs	3	8,400	Every year	25,200
- Renewal of batteries	3	34,800	Every 5 years	104,400
- Periodical maintenance and repairs	9	235	Every year	2,115
- Renewal of water pump	9	13,300	Every 10 years	119,700

Estimated Maintenance Costs for Equipment for Sekong Provincial Office (PHO)

Unit: Thousand Kip

Particulars of Expenses	Qty	Unit Price	Frequency	Amount
- Replacement of packing	9	53.30	Every 2 years	480
- Replacement of pipe heater	9	246.00	Every 2 years	2,214
- Tire change	8	24.60	Once a year	197
- Oil change	8	82.00	Once a year	656
- Replacement of brake cable	8	615.00	Every 3 years	4,920
- Replacement of V-belt for power transmission device	8	512.50	Every 10,000km	4,100
- Replacement of air cleaner element for power transmission device	8	30.75	Every 20,000km	246
- Replacement of oil filter for engine	8	153.75	Every 15,000km	1,230
- Replacement of air cleaner element for engine	8	41.00	Every 20,000km	328

Land certificate and UXO free certificate submission list

M/M	Name	District	UXO Free Certificate issued UXO Lao by end of Feb.	Existing Document	Land Certificate	Remarks	
Attapeu Province	A-01	Benghoukham / Lak52	Samarakay	-	Head of Village	Same site	
	A-02	Halang Nhat	Samarakay	✓	Head of Village	New site	
	A-03	Dak Vieng	Xaysetha	-	UXO LAO Attapeu	New site	
	A-04	Sompoi	Sanamxay	✓	Head of Village	New site	
	A-05	Ban Thae	Sanamxay	✓	No info	New site	
	A-07	Namsou	Sanxay	-	-	Same site	
	A-08	Sapuan	Xaysetha	-	-	Same site	
	A-09	Kong Mikhua	Xaysetha	-	-	Same site	
	A-10	Na Senak	Phouyong	✓	Head of Village	New site	
	A-12	Hansy Keo	Phouyong	-	UXO LAO Attapeu	★ Same site	
	A-14	Beng Vilai	Sanamxay	-	Head of Village	★ Same site	
	A-15	Pak Bo	Sanamxay	-	-	★ Same site	
	A-18	Langso	Samarakay	-	-	Same site	
	A-19	Somsanony	Samarakay	-	-	Same site	
	A-22	Phou Horne	Phouyong	-	-	Same site	
	Champasack Province	C-01	Ban song/ Ban Hair	Paksane	≠	UXO Lao Champasack	New site
		C-02	Saphai	Sansomboun	-	-	Same site
		C-03	Km 21th	Bachiang	≠	Head of Village	School land
		C-04	Vernsay	Phonthong	≠	UXO Lao Champasack	New site
C-05		Pahumphon	Pathoumphone	≠	UXO Lao Champasack	New site	
C-06		Houy Nigern	Champasack	≠	UXO Lao Champasack	New site	
C-08		Nafang/ Bankeang	Khong	≠	UXO Lao Champasack	New site	
C-09		Salou	Sansomboun	✓	-	New site	
C-10		Banphan	Phonthong	≠	UXO Lao Champasack	New site	
C-11		Koudchick	Phonthong	≠	Head of Village	Same site	
C-12		Kalae	Pathoumphone	≠	UXO Lao Champasack	New site	
C-13		Phonthong	Phonthong	≠	UXO Lao Champasack	Village house	
C-16		Phonsikai	Paksane	≠	UXO Lao Champasack	New site	
C-17		Noousavaag	Paksane	✓	-	★ New site	
C-18		Selabon	Sansomboun	≠	UXO Lao Champasack	School land	
C-20		Nam-om	Pathoumphone	≠	UXO Lao Champasack	New site	
Salavan Province		S-01	Naxay	Salavan	-	-	Same site
		S-02	Beng Oudom	Salavan	≠	UXO LAO	New site
		S-03	Kasa Ngai	Salavan	≠	UXO LAO	New site
		S-04	Nadonkhuang	Salavan	≠	UXO LAO	New site
	S-05	Phalldha	Salavan	-	-	Same site	
	S-06	Buengxay	Salavan	-	-	Same site	
	S-07	Dan Nalao	Lakhonpheng	≠	UXO LAO	New site	
	S-08	Phonsung	Lakhonpheng	-	-	Same site	
	S-09	Lak 90	Lakhonpheng	≠	UXO LAO	New site	
	S-10	Nadon Kao	Lakhonpheng	≠	UXO LAO	New site	
	S-11	Khomsay	Vapi	-	-	Same site	
	S-12	Saphat	Vapi	≠	UXO LAO	New site	
	S-13	Tanpio	Khongsedon	-	-	Same site	
	S-14	Thahung	Khongsedon	-	-	Same site	
	S-15	Kanghuad	Khongsedon	-	-	Same site	
	S-16	Nong Kae	Laongam	-	UXO LAO	New site	
	S-17	Dong Nhal	Laongam	-	UXO LAO	New site	
	S-18	Yang Peui	Laongam	-	UXO LAO	New site	
Sekong Province	X-01	Dakéin	Dakchung	-	-	Same site	
	X-02	Tatea	Dakchung	✓	Head of Village	★ New site	
	X-03	Chalea	Kaleum	-	-	Same site	
	X-04	Paxay	Kaleum	✓	Head of Village	New site	
	X-05	Donchan	Lanam	✓	Head of Village	New site	
	X-06	Phon	Lanam	-	Head of Village	Same site	
	X-07	Taam	Lanana	✓	Head of Village	New site	
	X-08	Nongkan	Tateng	-	Head of Village	Temple	
	X-09	Yup	Tateng	✓	Head of Village	New site	

★ Need Land Certificate (deadline: 21 December, 2012)

✓ Need UXO Free Certificate Issued by UXO Lao (deadline: February 2013)

≠ Document already received