

Project Design Matrix (PDM)

Version 3.0

Date of formulation: 4th January 2012

Project Title: 'the Project of Human Resource Development through Utilizing the Information Technology for Rural Community Vitalization'

Project Term :26th Apr 2009 – 10th Mar 2012 (2 years and 11 months) project sites: NECTEC at Science Park in Pathumthani Province, Mae Hong Son Province,

Target group: NECTEC, Schools, Communities, Local Authority in Mae Hong Son Province.

Narrative Summary	Objectively verifiable Indicators	Means for obtaining Indicators	Important Assumption
[Super Goal] (Long term goal) Enhancement of accessibility to Information Technologies (IT) in rural areas.	1. Expansion of internet access users among general households, schools and local business in rural areas.	1-1. NECTEC ICT Indicators 1-2. Report of Socio-Economic Survey by National Statistics Office (NSO)	
[Overall Goal] (Middle term goal) Rural wireless communication system is applied for rural communities' vitalization.	1. Provinces introducing the Rural Wireless Communication System. 2. Types and scale of users in the provinces introducing the Rural Wireless Communication System.	1&2 1) Interview Survey to NECTEC, NSTDA and NTC 2) NECTEC ICT Indicator	The Government of Thailand sustains the current IT policy aiming at community development.
[Project Purpose] To strengthen the capability of NECTEC in developing the effective rural wireless communication system in the Kingdom of Thailand.	1. Development of the Rural Wireless Communication System Model which was examined by Trial Test. 2. Enhancement of knowledge and skills of NECTEC about technologies of Wireless Communication System. 3. Increase of Local trainers who have capacities for training and system operation. 4. Enhancement of skills and knowledge of Field Trial Testing. 5. Proposal and Recommendation made to NTC about proposed RWCS Model. 6. Satisfaction of model users in model site.	1. The Study Report of RWCS '(Draft) 2-1. Interview Survey to NECTEC personnel, Japanese Experts, other actors 2-2. Evaluation Study Report of Trial Testing 3. The number of local trainers developed 4-1. Guideline for Field Trial Testing of Wireless Communication System 4-2. Monitoring report of Field Trial Testing 4-3. Interview Survey to NECTEC personnel, Japanese Experts, other actors 5. Proposal to NTC on Rural Wireless Communication Model 6. The result of Impact Survey (report)	NTC establishes the standards of Wireless Communication System
[Outputs] 1. Rural wireless communication model has been developed by NECTEC	1-1. Implementation of Trend Surveys of Wireless Communication technologies at Model site. 1-2. Knowledge and Skills acquired by the Trainees who participated to the Technical Training. 1-3. The design of Rural Wireless Community System Model and its parameter identified. 1-4. The Discussions held about feasibility and its usefulness of applications among related organizations.	1-1. Survey Report 1-2. Technical Training Report, Interview Surveys with Trainees 1-3. 'The Study Report of Rural Wireless Communication Network Development' (Draft), Interview Survey with developers, Japanese Experts, and other actors. 1-4. Meeting Records	Personnel of NECTEC who were trained thru the Project continue to work at NECTEC

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<p>2. Curriculum aimed to vitalize the rural areas will be developed by NECTEC in collaboration with local organizations in the Kingdom of Thailand.</p>	<p>2-1. Quality and number of Curriculum developed by NECTEC in collaboration with local organizations 2-2. Number of users who use e-Learning applicationsⁱ 2-3. Quality and number of Contentsⁱⁱ developed by the users of Curriculumⁱⁱⁱ</p>	<p>2-1. Curriculum Developed, Users Satisfactory Survey, Number of access to the Curriculum 2-2. Impact Survey(Report) with NECTEC 2-3. Contents developed, Interview Survey with NECTEC and users (developer), Number of access to the contents</p>	
<p>[Activities] 1. Activities for Output¹. 1-1. To carry out the survey of wireless communication technologies trend at model site. 1-2. To design and implement the wireless communication system at the model site. 1-3. To conduct/support WIMAX equipment procurement and to conduct the On the Job Training (OJT) for installation (e.g. tower construction, construction supervision and acceptance). 1-4. To conduct the "On the Job Training (OJT)" for NECTEC's personnel in the field of site planning and system design of WIMAX (Worldwide Interoperability for Microwave Access) and other training courses in Japan. 1-5. To conduct training to the targeted local users using sample equipment. 1-6. To test and measure the performance of wireless communication system including applications running (e.g. internet access, voice over IP, video conferencing, e-Learning, and e-Community) 1-7. To examine and analyze the results of testing of wireless communication system and propose an evaluation study report including impact survey about socio-economic status. 1-8. To investigate influence of the disaster to the Project and examine necessary countermeasures. 1-9. To hold seminar to share the information about wireless communication system trial test with participants from relevant organizations, such as National Telecommunications Commission (hereinafter referred to as "NTC"), Universities, Institute, etc. 1-10. To identify and recommend the technical regulations to relevant authorities to be applied for rural wireless communication system.</p>	<p>[inputs]</p>		<p>Unforeseen natural calamity or disaster by forced major which affects the Field Trial Test does not occur.</p> <p>Personnel of NECTEC who were trained thru the Project continue to work at NECTEC.</p> <p>[Pre-conditions] Frequency allocation, which is required for the Trial Test, was allocated. The procurement of Equipment needed</p>
	<p style="text-align: center;">[Thailand Side]</p> <p>(1) Human Resources (Counterparts personnel)</p> <p>1) Project Director(NECTEC) 2) Project Manager(NECTEC) 3) WiFi/WiMAX Research Members(NECTEC) 4) Technical Staff(NECTEC) 5) Other necessary project staff from NECTEC 6) School Teachers as Trainer from Mae Hong Son Province</p> <p>(2) Facilities</p> <ul style="list-style-type: none"> - Office for Japanese Experts(including telephone line and internet facility) - Other necessary facility for project activities <p>(3) Budget for Project Activities</p> <ul style="list-style-type: none"> - Cost for Field Trial Testing - Domestic Training of NECTEC personnel 	<p style="text-align: center;">[Japan Side]</p> <p>(1) Human Resources(Japanese experts)</p> <p>1) Japanese Experts as Chief Advisor: One person 2) Other Japanese Experts for: System Design Site Planning Contents Development for e-Learning</p> <p>(2) Equipment and material</p> <p>Equipment and material for Trial Test(Including installation cost) Software for WiMAX Site Planning</p> <p>(3) Other necessary cost for Project Activities</p> <ul style="list-style-type: none"> - Counterparts Training in Japan - Other 	

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<p>1-11. To draft 'The Study Report of Rural Wireless Communication System Development'.</p> <p>1-12. To propose the developed rural wireless communication system model to NTC.</p> <p>2. Activities for Output2.</p> <p>2-1. To discuss with local school teachers and local authorities (e.g. governments, hospitals, police departments, libraries etc.) of Mae Hong Son Province to develop the curriculums.</p> <p>2-2. To collaborate with targeted local users for creating the sample contents for e-Learning.</p> <p>2-3. To conduct training for local instructors in Mae Hong Son Province.</p> <p>2-4. To facilitate training for local users by local instructors.</p> <p>2-5. To conduct the impact survey about the use of contents of the said curriculum.</p> <p>2-6. To share the lessons learned from the Project with other related organizations, and promote the applications of the developed curriculums in other areas in the Kingdom of Thailand.</p>			<p>for the Trial Test is available.</p>
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Word definition

- i E-Learning Application(s): Existing application(s) (e.g. learning management system (LMS), video conference system etc.) used when conducting e-learning.
- ii Contents: Defined as those materials used as eLearning. It is possible to place several contents in one curriculum. For example, if mathematics composes of "basic math content" and "basic math comprehension test", then it has one curriculum and two contents.
- iii Curriculum: Defined as those subjects which use eLearning, not only at schools but also at governmental authorities, police departments, hospitals, and libraries. For example, "mathematics" and "computer basics" signify curriculum for school, whereas "hospital client service" for hospitals, and "library eBook management" for libraries.

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Modifications in PDM 3.0.

The following components were modified in PDM version 3.0.

Overall:

- Project Term was extended.

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Project Term: 28th Apr 2009 – 10th Mar 2012 (2 years and 11 months)

- The project delay due to the unprecedented flood, it forced NECTEC to suspend or limit its operation. Project Term was extended accordingly.

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List of Japanese Experts Allocation

Project of Human Resource Development through Utilizing the Information Technology
for Rural Community Vitalization

(1) List of experts / Human Resources

Name	Position	Period
Mr. Mamoru Yasui 安井 衛	Chief Advisor/ Test Plan	26 April 2009 - 26 June 2009 2 August 2009 - 12 December 2009 17 January 2010 - 7 February 2010 18 February 2010 - 28 May 2010 4 July 2010 - 7 August 2010 26 September 2010 - 27 November 2010 21 February 2011 - 26 March 2011 8 May 2011 - 4 June 2011 27 July 2011 - 10 September 2011 4 December 2011 - 24 December 2011 8 January 2012 - 10 March 2012
Mr. Akira Kishimoto 岸本 明	WiMAX System Design	10 May 2009 - 30 May 2009 2 August 2009 - 2 September 2009 4 October 2009 - 24 October 2009 18 November 2009 - 12 December 2009 7 January 2010 - 30 January 2010 14 February 2010 - 3 April 2010 18 April 2010 - 29 May 2010 27 June 2010 - 29 July 2010 12 September 2010 - 30 September 2010 10 November 2010 - 27 November 2010 9 January 2011 - 27 January 2011 6 March 2011 - 26 March 2011 8 May 2011 - 28 May 2011 17 July 2011 - 6 August 2011 25 August 2011 - 17 September 2011 4 December 2011 - 24 December 2011 8 January 2012 - 10 March 2012

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<p>Mr. Yoji Murakami 村上 洋治</p>	<p>Site Plan</p>	<p>10 May 2009 - 30 May 2009 16 August 2009 - 2 September 2009 14 October 2009 - 12 December 2009 7 January 2010 - 30 January 2010 7 March 2010 - 29 May 2010 4 July 2010 - 29 July 2010 12 September 2010 - 30 September 2010 7 November 2010 - 23 January 2011 20 February 2011 - 10 March 2011 25 May 2011 - 11 June 2011 7 August 2011 - 27 August 2011 7 December 2011 - 29 December 2011 8 January 2012 - 14 January 2012 21 January 2012 - 10 March 2012</p>
<p>Ms. Yuko Shiraishi 白石 祐子</p>	<p>E-Learning Contents Development</p>	<p>10 May 2009 - 6 June 2009 11 October 2009 - 12 December 2009 21 February 2010 - 10 April 2010 1 August 2010 - 28 August 2010 26 September 2010 - 27 November 2010 6 March 2011 - 26 March 2011 16 May 2011 - 18 June 2011 16 October 2011 - 28 October 2011 8 January 2012 - 23 February 2012</p>
<p>Ms. Mayuka Kobayashi 小林 麻由香</p>	<p>Training Plan/ Project Coordinator</p>	<p>26 April 2009 - 23 May 2009 27 May 2009 - 20 June 2009 15 July 2009 - 2 September 2009 18 October 2009 - 4 February 2010 21 February 2010 - 3 April 2010 21 April 2010 - 22 July 2010 22 August 2010 - 26 February 2011 29 May 2011 - 3 August 2011 7 September 2011 - 28 October 2011 11 December 2011 - 11 January 2012 25 January 2012 - 10 March 2012</p>

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List of Project Sites (Pai)

Pai Site

No	Site Code	Name (Thai)	Name (Eng)	Installation Model	GPS	Distance from Site to Base Station	Connection Type	Number of PC	Network Link
1	C-SCH-01	โรงเรียนปายวิทยาคาร	Pai Wittayakarn School	SCH Type 1	N19 21.372 E98 26.505	1.50 km	WIMAX CPE	100 PCs	ADSL 1 Mbps, IPstar
2	C-SCH-02	โรงเรียนอนุบาลปาย	Anuban Pai School	SCH Type 1	N19 21.667 E98 26.450	1.88 km	WIMAX CPE	20 PCs, 2 wireless access points	ADSL 1 Mbps
3	C-SCH-03	โรงเรียนชุมชนบ้านแม่ฮี	Baan Mae Hee Community School	SCH Type 1	N19 20.800 E98 27.137	0.45 km	WIMAX CPE	10 PCs	ADSL 512 kbps
4	C-SCH-04	โรงเรียนบ้านเวียงเหนือ	Baan Wiang Nua School	SCH Type 1	N19 22.585 E98 26.572	3.15 km	WIMAX CPE	10 PCs	ADSL 1 Mbps
5	C-SCH-05	โรงเรียนราชประชานุเคราะห์ 22	Rajaprajanukroh 22 school	SCH Type 2	19 23'20.15N, 98 24'27.97E	N/A	ADSL	N/A	N/A
6	C-SCH-06	โรงเรียนราชประชานุเคราะห์ 34	Rajaprajanukroh 34 school	SCH Type 2	19 32'27.97N, 98 16'3.50E	N/A	ADSL	N/A	N/A
7	C-GOV-01	ที่ว่าการอำเภอปาย	Pai District Office	GOV Type 1	N19 21.533 E98 26.407	1.79 km	WIMAX CPE	10 PCs	ADSL 512 kbps
8	C-GOV-02	โรงพยาบาลปาย	Pai Hospital	GOV Type 1	N19 17.703 E98 26.273	2.13 km	WIMAX CPE	50 PCs	ADSL 2 Mbps
9	C-GOV-03	เทศบาลอำเภอปาย	Pai Municipality	GOV Type 1	N19 21.571 E98 26.216	2.11 km	WIMAX CPE	50 PCs	ADSL 1 Mbps
10	C-COM-01	หมู่บ้านแม่ฮี-ศาลาลานกประสงค์	Mae Yen Village - Multi-Purpose Pavilion	COM Type 1	N19 21.048 E98 27.050	0.39 km	WIMAX CPE	NONE	NONE
11	C-BS-01	ดอยพระธาตุแม่เย็น	Mae Yen Mountain	BS Type 1	N19 21.009 E98 27.271	N/A	WIMAX CPE	N/A	N/A

List of Equipment Provided by JICA
The project of human resource development through utilizing the information technology for rural community vitalization

Updated: 31 May 2011

No.	Date Registered	Name of Item	Site Code	Place	Date Hand Over	Date Warranty Expiry	Warranty Information (2011)	Contractor Vender	Contractor Buyer	Status	Procurement
P-1	2010/12/1	Tower	B-BS-02	MSR	2009/11/6	2012/9/1	Info-1	Hatarr Wireless	JDS		JICA
P-2	2010/12/1	Tower	C-BS-01	PAI	2009/11/6	2012/9/1		Hatarr Wireless	JDS		JICA
P-3	2010/12/1	Cabinet	A-BS-01	MHS	2009/11/6	2012/9/1		Hatarr Wireless	JDS		JICA
P-4	2010/12/1	Cabinet	B-BS-02	MSR	2009/11/6	2012/9/1		Hatarr Wireless	JDS		JICA
P-5	2010/12/1	Cabinet	C-BS-01	PAI	2009/11/6	2012/9/1		Hatarr Wireless	JDS		JICA
P-6	2010/12/1	AcuLearn	A-CORE-01	MHS	2010/1/31	No Warranty	N/A	Multimedia Technology	JICA(T)		JICA
P-7	2010/12/1	WiMAX equipment	(see sheet "WiMAX list all")		2010/7/28	2011/7/27	Info-1	Toyota Tsusyo	JICA(H)		JICA
P-8	2010/12/1	Weather monitoring system	A-BS-01	MHS			N/A		JICA(T)		JICA
P-9	2010/12/1	Weather monitoring system	B-BS-02	MSR			N/A		JICA(T)		JICA
P-10	2010/12/1	Weather monitoring system	C-BS-01	PAI			N/A		JICA(T)		JICA
P-11	2010/12/1	Cabinet cooling system	A-BS-01	MHS	2010/9/24	2012/9/1	Info-3	Hatarr Wireless	JICA(T)		JICA
P-12	2010/12/1	Cabinet cooling system	B-BS-02	MSR	2010/9/24	2012/9/1		Hatarr Wireless	JICA(T)		JICA
P-13	2010/12/1	Cabinet cooling system	C-BS-01	PAI	2010/9/24	2012/9/1		Hatarr Wireless	JICA(T)		JICA

JICA(T) JICA Thailand
 JICA(H) JICA Headquarter

List of Equipment Provided by Japanese Side (WiMAX List ALL)

The project of human resource development through utilizing the information technology for rural community vitalization

Batch 1 and Batch 2
Updated: 27 February 2010

No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quantity	S/N	Site Name (Eng)
1	12/30/2009	BS Type 1	A-BS-01	HW001-1	1-1 (1/2)	WiMAX Base Station System	Alvarion	Outdoor Antenna: Model:BS-RET-DDP-ANT 2.3-2.7 Model:BreezeMax 2500 WiMAX Base Station System WiMAX Base Station System power device (built in device) Software license	1	7603327	Doi Kong Mu Mountain
2	12/30/2009	BS Type 1	C-BS-01	HW001-2	1-1 (2/2)	WiMAX Base Station System	Alvarion	Outdoor Antenna: Model:BS-RET-DDP-ANT 2.3-2.7 Model:BreezeMax 2500 WiMAX Base Station System WiMAX Base Station System power device (built in device) Software license	1		Mae Yen Mountain
3	12/30/2009	BS Type 1	A-BS-01	HW006-1	1-1-1	Cabinet	Lead	Model:LKE-31U-71	1	CAB01	Doi Kong Mu Mountain
4	12/30/2009	BS Type 1	A-BS-01	HW014-1	1-2 (1/2)	Switching Hub L2	D-Link	Model:DGS-3426P	1	P1FF199000004	Doi Kong Mu Mountain
5	12/30/2009	BS Type 1	C-BS-01	HW014-2	1-2 (2/2)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Mae Yen Mountain
6	12/30/2009	BS Type 1	A-BS-01	HW019-1	1-3 (1/2)	UPS	PCM	Model:VGD-700RM	1	10043900911	Doi Kong Mu Mountain
7	12/30/2009	BS Type 1	C-BS-01	HW019-2	1-3 (2/2)	UPS	PCM	Model:VGD-700RM	1		Mae Yen Mountain
8	12/30/2009	BS Type 2	B-BS-01	HW001-3	2-1	WiMAX Base Station System	Alvarion	Outdoor antenna cable Model:BS-RET-DDP-ANT 2.3-2.7 Model:BreezeMax 2500 WiMAX Base Station System WiMAX Base Station System power device Software license	1		Doi Chang Mountain
9	12/30/2009	BS Type 2	B-BS-01	HW006-2	2-1-1	Cabinet	Lead	Model:LKE-31U-71	1		Doi Chang Mountain
10	12/30/2009	BS Type 2	B-BS-01	HW014-3	2-2	Switching Hub L2	D-Link	Model:DGS-3426P	1		Doi Chang Mountain
11	12/30/2009	BS Type 2	B-BS-01	HW019-3	2-3	UPS	PCM	Model:VGD-700RM	1		Doi Chang Mountain
12	12/30/2009	BS Type 2	B-BS-01	HW005-1	2-4	Wireless System Point to Point	Alvarion	Model:BreezeNET B100	1		Doi Chang Mountain
13	12/30/2009	BS Type 3	B-BS-02	HW001-4	3-1	WiMAX Base Station System	Alvarion	Outdoor Antenna: Model:BS-RET-DDP-ANT 2.3-2.7 Model:BreezeMax 2500 WiMAX Base Station System WiMAX Base Station System power device (built in device) Software license	1		Jom Kitti Mountain
14	12/30/2009	BS Type 3	B-BS-02	HW006-3	3-1-1	Cabinet	Lead	Model:LKE-31U-71	1		Jom Kitti Mountain
15	12/30/2009	BS Type 3	B-BS-02	HW014-4	3-2	Switching Hub L2	D-Link	Model:DGS-3426P	1		Jom Kitti Mountain
16	12/30/2009	BS Type 3	B-BS-02	HW019-4	3-3	UPS	PCM	Model:VGD-700RM	1		Jom Kitti Mountain
17	12/30/2009	BS Type 3	B-BS-02	HW005-2	3-4	Wireless System Point to Point	Alvarion	Model:BreezeNET B100	1		Jom Kitti Mountain
18	12/30/2009	CORE Type 1	A-CORE-01	HW002-1	4-1	WiMAX ASN Gateway System	Alvarion	Model:NPU (ASN) WiMAX ASNGateway System Software license	1	included in HW001-1	MHS Community College
19	12/30/2009	CORE Type 1	A-CORE-01	HW008-1	4-2	Rack Server Type 1 (WiMAX Management System)	Alvarion/HP	Model:DL-160G6, Windows Server 2008 Software Alvaristar Management Software	1	SGH945X2EB	MHS Community College
20	12/30/2009	CORE Type 1	A-CORE-01	HW009-1	4-3	Rack Server Type 2 (DHCP + Performance Testing)	HP	Model:DL320 G6, Linux CentOS, DHCP, iXchariot	1	SGH945X2E9	MHS Community College
21	12/30/2009	CORE Type 1	A-CORE-01	HW008-2	4-4	Rack Server Type 1 (AAA + Database)	HP	Model:DL-160G6, Salans OS, AAA Software, MySQL	1	SGH945X2EH	MHS Community College
22	12/30/2009	CORE Type 1	A-CORE-01	HW009-2	4-5	Rack Server Type 2 (SIP System)	brekeke/HP	Model:DL320 G6, Linux CentOS SIP software: included Model:SIP Server v2.x	1	SGH945X2EA	MHS Community College

List of Equipment Provided by Japanese Side (WiMAX List ALL)

The project of human resource development through utilizing the information technology for rural community vitalization

Batch 1 and Batch 2

Updated: 27 February 2010

No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quantity	S/N	Site Name (Eng)
23	12/30/2009	CORE Type 1	A-CORE-01	HW009-3	4-6	Rack Server Type 2 (Network Monitoring)	HP	Model:DL320 G6, Linux CentOS, Cacti network monitoring software	1	SGH945X2E6	MHS Community College
24	12/30/2009	CORE Type 1	A-CORE-01	HW009-4	4-7	Rack Server Type 2 (Log Server)	HP	Model:DL320 G6, Linux CentOS, Syslog-NG	1	SGH945X2E5	MHS Community College
25	12/30/2009	CORE Type 1	A-CORE-01	HW008-3	4-8	Rack Server Type 1 (LearnSquare + Web server)	HP	Model:DL-160G6, Linux CentOS, LearnSquare, Web server	1	SGH945X2EF	MHS Community College
26	12/30/2009	CORE Type 1	A-CORE-01	HW008-4	4-9	Rack Server Type 1 (AcuLearn)	HP	Model:DL-160G6, Windows Server 2008, Aculearn	1	SGH945X2ED	MHS Community College
27	12/30/2009	CORE Type 1	A-CORE-01	HW014-5	4-10	Switching Hub L2	D-Link	Model:DGS-3426P	1	P1FF19900003	MHS Community College
28	12/30/2009	CORE Type 1	A-CORE-01	HW015-1	4-11	Switching Hub L3	D-Link	Model:DGS-3627	1	P1JH197000018	MHS Community College
29	12/30/2009	CORE Type 1	A-CORE-01	HW017-1	4-12	Firewall L3	D-Link	Model:DFL-210	1	BS2L598000014	MHS Community College
30	12/30/2009	CORE Type 1	A-CORE-01	HW018-1	4-13	Firewall L7	Blue Coat	Model:SG-210-25	1	4409061087	MHS Community College
31	12/30/2009	CORE Type 1	A-CORE-01	HW006-4	4-14	Cabinet	Lead	Model:LKE-31U-71	1	CAB02	MHS Community College
32	12/30/2009	CORE Type 1	A-CORE-01	HW024	4-15	LAN Cable Set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	2		MHS Community College
33	12/30/2009	CORE Type 1	A-CORE-01	HW020-1	4-16	UPS for Server	PCM	Model:VGD-5000RM Server connection cable set	1	10044010911	MHS Community College
34	12/30/2009	CORE Type 1	A-CORE-01	HW012-1	4-17	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	55DK32S	MHS Community College
35	12/30/2009	CORE Type 1	A-CORE-01	HW021-1	4-18	VoIP Telephone	WellTech	Model:LP-201	1	J11NN5450	MHS Community College
36	12/30/2009	CORE Type 1	A-CORE-01	HW007-1	4-19	Wi-Fi Router	D-Link	Model:DIR-300	1	P1DY299003705	MHS Community College
37	12/30/2009	CORE Type 1	A-CORE-01	HW019-5	4-20	UPS	PCM	Model:VGD-700	1	10043940911	MHS Community College
38	12/30/2009	CORE Type 1	A-CORE-01	HW022-1	4-21	Display Monitor	HP	Model:LV15G6	1	CNC916PJP9	MHS Community College
39	12/30/2009	CORE Type 1	A-CORE-01	HW023-1	4-22	KVM Switcher	D-Link	Model:DKVM-16	1	BSS419500001	MHS Community College
40	12/30/2009	CORE Type 1	A-CORE-01	HW010-1	4-23	Storage Unit	Buffalo	Model:TS-RX4.0TL/R5	1	45884491000434	MHS Community College
41	12/30/2009	CORE Type 2	D-CORE-01	HW001-5	5-1	WiMAX Base Station System	Alvarion	Outdoor antenna: Model:BS-RET-DDP-ANT 2.3-2.7 Model:BreezeMax 2500 WiMAX Base Station System WiMAX Base Station System power device (built in device) Software license	1		NECTEC Core
42	12/30/2009	CORE Type 2	D-CORE-01	HW008-5	5-2	Rack Server Type 1 (LearnSquare)	HP	Model:DL-160G6, Linux CentOS, LearnSquare	1		NECTEC Core
43	12/30/2009	CORE Type 2	D-CORE-01	HW008-6	5-3	Rack Server Type 1 (AcuLearn)	HP	Model:DL-160G6	1		NECTEC Core
44	12/30/2009	CORE Type 2	D-CORE-01	HW009-5	5-4	Rack Server Type 2 (DHCP)	HP	Model:DL320 G6, Linux CentOS	1		NECTEC Core
45	12/30/2009	CORE Type 2	D-CORE-01	HW008-7	5-5	Rack Server Type 1 (AAA and Database)	HP	Model:DL-160G6, Solaris OS, AAA Software, MySQL	1		NECTEC Core
46	12/30/2009	CORE Type 2	D-CORE-01	HW009-6	5-6	Rack Server Type 2 (SIP)	brekeke/HP	Model:DL320 G6, Linux CentOS SIP software included Model:SIP Server v2.x	1		NECTEC Core
47	12/30/2009	CORE Type 2	D-CORE-01	HW009-7	5-7	Rack Server Type 2 (Network Monitoring)	HP	Model:DL320 G6, Linux CentOS, Cacti network monitoring software	1		NECTEC Core
48	12/30/2009	CORE Type 2	D-CORE-01	HW009-8	5-8	Rack Server Type 2 (Log Server)	HP	Model:DL320 G6, Linux CentOS, Syslog-NG	1		NECTEC Core
49	12/30/2009	CORE Type 2	D-CORE-01	HW014-6	5-9	Switching Hub L2	D-Link	Model:DGS-3426P	1		NECTEC Core
50	12/30/2009	CORE Type 2	D-CORE-01	HW015-2	5-10	Switching Hub L3	D-Link	Model:DGS-3627	1		NECTEC Core
51	12/30/2009	CORE Type 2	D-CORE-01	HW017-2	5-11	Firewall L3	D-Link	Model:DFL-210	1		NECTEC Core
52	12/30/2009	CORE Type 2	D-CORE-01	HW006-5	5-12	Cabinet	Lead	Model:LKE-31U-71	1		NECTEC Core
53	12/30/2009	CORE Type 2	D-CORE-01	HW024	5-13	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		NECTEC Core
54	12/30/2009	CORE Type 2	D-CORE-01	HW012-2	5-14	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	65DK32S	NECTEC Core

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55	12/30/2009	CORE Type 2	D-CORE-01	HW021-2	5-15	VoIP Telephone	WellTech	Model:LP-201	1		NECTEC Core
56	12/30/2009	CORE Type 2	D-CORE-01	HW022-2	5-16	Display Monitor	HP	Model:LV156W	1	CNC916PJSX	NECTEC Core
57	12/30/2009	CORE Type 2	D-CORE-01	HW023-2	5-17	KVM Switcher	D-Link	Model:DKVM-16	1		NECTEC Core
58	12/30/2009	CORE Type 2	D-CORE-01	HW019-6	5-18 (1/2)	UPS	PCM	Model:VGD-700RM	1		NECTEC Core
59	12/30/2009	CORE Type 2	D-CORE-01	HW019-7	5-18 (2/2)	UPS	PCM	Model:VGD-700RM	1		NECTEC Core
60	12/30/2009	SCH Type 1	A-SCH-01	HW003-1	6-1 (1/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1	W902003299	Hong Son Suksa School
61	12/30/2009	SCH Type 1	A-SCH-02	HW003-2	6-1 (2/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Anuban MHS School
62	12/30/2009	SCH Type 1	A-SCH-03	HW003-3	6-1 (3/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Sop Pong School
63	12/30/2009	SCH Type 1	A-SCH-04	HW003-4	6-1 (4/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Mai School
64	12/30/2009	SCH Type 1	A-SCH-05	HW003-5	6-1 (5/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Jomg Kum School
65	12/30/2009	SCH Type 1	A-SCH-05	HW003-6	6-1 (6/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Muang MHS Municipal School
66	12/30/2009	SCH Type 1	A-SCH-07	HW003-7	6-1 (7/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Nawamin Vocational College
67	12/30/2009	SCH Type 1	B-SCH-01	HW003-8	6-1 (8/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Mae Sariang (Boripat Suksa) School
68	12/30/2009	SCH Type 1	B-SCH-02	HW003-9	6-1 (9/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Tongsawat Vittayakarn
69	12/30/2009	SCH Type 1	B-SCH-03	HW003-10	6-1 (10/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Anuban Mae Sariang (Baan Pong) School
70	12/30/2009	SCH Type 1	B-SCH-04	HW003-11	6-1 (11/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		193th Baan Jom Jang Mitraparb
71	12/30/2009	SCH Type 1	B-SCH-05	HW003-12	6-1 (12/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Thairath Vittaya 33 (Baan Tung Prao)
72	12/30/2009	SCH Type 1	B-SCH-06	HW003-13	6-1 (13/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baanrai Vittaya
73	12/30/2009	SCH Type 1	B-SCH-07	HW003-14	6-1 (14/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Mae Sariang Vocational School
74	12/30/2009	SCH Type 1	B-SCH-08	HW003-15	6-1 (15/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Huay Sai School
75	12/30/2009	SCH Type 1	B-SCH-09	HW003-16	6-1 (16/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Nam Dip Community School
76	12/30/2009	SCH Type 1	B-SCH-10	HW003-17	6-1 (17/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Sri Moon Muang School
77	12/30/2009	SCH Type 1	C-SCH-01	HW003-18	6-1 (18/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Pai Vittayakarn School
78	12/30/2009	SCH Type 1	C-SCH-02	HW003-19	6-1 (19/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Anuban Pai School
79	12/30/2009	SCH Type 1	C-SCH-03	HW003-20	6-1 (20/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Mae Hee Community School
80	12/30/2009	SCH Type 1	C-SCH-04	HW003-21	6-1 (21/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Baan Wiang Nua School
81	12/30/2009	SCH Type 1	D-SCH-01	HW003-22	6-1 (22/22)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		NECTEC School Simulation
82	12/30/2009	SCH Type 1	A-SCH-01	HW014-7	6-2 (1/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1	P1FF199000001	Hong Son Suksa School
83	12/30/2009	SCH Type 1	A-SCH-02	HW014-8	6-2 (2/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Anuban MHS School
84	12/30/2009	SCH Type 1	A-SCH-03	HW014-9	6-2 (3/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Sop Pong School
85	12/30/2009	SCH Type 1	A-SCH-04	HW014-10	6-2 (4/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Mai School
86	12/30/2009	SCH Type 1	A-SCH-05	HW014-11	6-2 (5/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Jomg Kum School
87	12/30/2009	SCH Type 1	A-SCH-06	HW014-12	6-2 (6/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Muang MHS Municipal School
88	12/30/2009	SCH Type 1	A-SCH-07	HW014-13	6-2 (7/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Nawamin Vocational College
89	12/30/2009	SCH Type 1	B-SCH-01	HW014-14	6-2 (8/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Mae Sariang (Boripat Suksa) School
90	12/30/2009	SCH Type 1	B-SCH-02	HW014-15	6-2 (9/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Tongsawat Vittayakarn
91	12/30/2009	SCH Type 1	B-SCH-03	HW014-16	6-2 (10/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Anuban Mae Sariang (Baan Pong) School
92	12/30/2009	SCH Type 1	B-SCH-04	HW014-17	6-2 (11/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		193th Baan Jom Jang Mitraparb
93	12/30/2009	SCH Type 1	B-SCH-05	HW014-18	6-2 (12/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Thairath Vittaya 33 (Baan Tung Prao)
94	12/30/2009	SCH Type 1	B-SCH-06	HW014-19	6-2 (13/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baanrai Vittaya
95	12/30/2009	SCH Type 1	B-SCH-07	HW014-20	6-2 (14/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Mae Sariang Vocational School
96	12/30/2009	SCH Type 1	B-SCH-08	HW014-21	6-2 (15/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Huay Sai School
97	12/30/2009	SCH Type 1	B-SCH-09	HW014-22	6-2 (16/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Nam Dip Community School
98	12/30/2009	SCH Type 1	B-SCH-10	HW014-23	6-2 (17/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Sri Moon Muang School
99	12/30/2009	SCH Type 1	C-SCH-01	HW014-24	6-2 (18/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Pai Vittayakarn School
100	12/30/2009	SCH Type 1	C-SCH-02	HW014-25	6-2 (19/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Anuban Pai School
101	12/30/2009	SCH Type 1	C-SCH-03	HW014-26	6-2 (20/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Mae Hee Community School
102	12/30/2009	SCH Type 1	C-SCH-04	HW014-27	6-2 (21/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Baan Wiang Nua School
103	12/30/2009	SCH Type 1	D-SCH-01	HW014-28	6-2 (22/22)	Switching Hub L2	D-Link	Model:DGS-3426P	1		NECTEC School Simulation
104	12/30/2009	SCH Type 1	A-SCH-01	HW011-1	6-3 (1/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH9420MBJ	Hong Son Suksa School
105	12/30/2009	SCH Type 1	A-SCH-02	HW011-2	6-3 (2/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRJ	Anuban MHS School

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106	12/30/2009	SCH Type 1	A-SCH-03	HW011-3	6-3 (3/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRZ	Baan Sop Pong School
107	12/30/2009	SCH Type 1	A-SCH-04	HW011-4	6-3 (4/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRT	Baan Mai School
108	12/30/2009	SCH Type 1	A-SCH-05	HW011-5	6-3 (5/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSN	Baan Jorong Kum School
109	12/30/2009	SCH Type 1	A-SCH-06	HW011-6	6-3 (6/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSV	Muang MHS Municipal School
110	12/30/2009	SCH Type 1	A-SCH-07	HW011-7	6-3 (7/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSC	Nawamin Vocational College
111	12/30/2009	SCH Type 1	B-SCH-01	HW011-8	6-3 (8/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHR9	Mae Sariang (Bonipat Suksa) School
112	12/30/2009	SCH Type 1	B-SCH-02	HW011-9	6-3 (9/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRN	Tongsawat Vittayakarn
113	12/30/2009	SCH Type 1	B-SCH-03	HW011-10	6-3 (10/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSS	Anuban Mae Sariang (Baan Pong) School
114	12/30/2009	SCH Type 1	B-SCH-04	HW011-11	6-3 (11/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRV	193th Baan Jom Jang Mitraparb
115	12/30/2009	SCH Type 1	B-SCH-05	HW011-12	6-3 (12/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRK	Thairath Vittaya 33 (Baan Tung Prao)
116	12/30/2009	SCH Type 1	B-SCH-06	HW011-13	6-3 (13/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSR	Baanmai Vittaya
117	12/30/2009	SCH Type 1	B-SCH-07	HW011-14	6-3 (14/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSB	Mae Sariang Vocational School
118	12/30/2009	SCH Type 1	B-SCH-08	HW011-15	6-3 (15/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRR	Baan Huay Sai School
119	12/30/2009	SCH Type 1	B-SCH-09	HW011-16	6-3 (16/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSG	Baan Nam Dip Community School
120	12/30/2009	SCH Type 1	B-SCH-10	HW011-17	6-3 (17/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRG	Baan Sri Moon Muang School
121	12/30/2009	SCH Type 1	C-SCH-01	HW011-18	6-3 (18/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS8	Pai Vittayakarn School
122	12/30/2009	SCH Type 1	C-SCH-02	HW011-19	6-3 (19/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRL	Anuban Pai School
123	12/30/2009	SCH Type 1	C-SCH-03	HW011-20	6-3 (20/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRD	Baan Mae Hee Community School
124	12/30/2009	SCH Type 1	C-SCH-04	HW011-21	6-3 (21/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRY	Baan Wiang Nua School
125	12/30/2009	SCH Type 1	D-SCH-01	HW011-22	6-3 (22/22)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHST	NECTEC School Simulation
126	12/30/2009	SCH Type 1	A-SCH-01	HW012-3	6-4 (1/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	8X5M32S	Hong Son Suksa School
127	12/30/2009	SCH Type 1	A-SCH-02	HW012-4	6-4 (2/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	JX5M32S	Anuban MHS School
128	12/30/2009	SCH Type 1	A-SCH-03	HW012-5	6-4 (3/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	6Y5M32S	Baan Sop Pong School
129	12/30/2009	SCH Type 1	A-SCH-04	HW012-6	6-4 (4/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	FRDK32S	Baan Mai School

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130	12/30/2009	SCH Type 1	A-SCH-05	HW012-7	6-4 (5/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	4RDK32S	Baan Jorng Kum School
131	12/30/2009	SCH Type 1	A-SCH-06	HW012-8	6-4 (6/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	BY5M32S	Muang MHS Municipal School
132	12/30/2009	SCH Type 1	A-SCH-07	HW012-9	6-4 (7/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	8RDK32S	Nawamin Vocational College
133	12/30/2009	SCH Type 1	B-SCH-01	HW012-10	6-4 (8/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	DX5M32S	Mae Sariang (Boripat Suksa) School
134	12/30/2009	SCH Type 1	B-SCH-02	HW012-11	6-4 (9/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	1Y5M32S	Tongsawat Vittayakarn
135	12/30/2009	SCH Type 1	B-SCH-03	HW012-12	6-4 (10/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	DY5M32S	Anuban Mae Sariang (Baan Pong) School
136	12/30/2009	SCH Type 1	B-SCH-04	HW012-13	6-4 (11/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	9RDK32S	193th Baan Jom Jang Mittraparb
137	12/30/2009	SCH Type 1	B-SCH-05	HW012-14	6-4 (12/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	FX5M32S	Thairath Vittaya 33 (Baan Tung Prao)
138	12/30/2009	SCH Type 1	B-SCH-06	HW012-15	6-4 (13/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	8Y5M32S	Baanrai Vittaya
139	12/30/2009	SCH Type 1	B-SCH-07	HW012-16	6-4 (14/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	8RDK32S	Mae Sariang Vocational School
140	12/30/2009	SCH Type 1	B-SCH-08	HW012-17	6-4 (15/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	2Y5M32S	Baan Huay Sai School
141	12/30/2009	SCH Type 1	B-SCH-09	HW012-18	6-4 (16/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	FY5M32S	Baan Nam Dip Community School
142	12/30/2009	SCH Type 1	B-SCH-10	HW012-19	6-4 (17/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	5RDK32S	Baan Sri Moon Muang School
143	12/30/2009	SCH Type 1	C-SCH-01	HW012-20	6-4 (18/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	3Y5M32S	Pai Vittayakarn School
144	12/30/2009	SCH Type 1	C-SCH-02	HW012-21	6-4 (19/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	CRDK32S	Anuban Pai School
145	12/30/2009	SCH Type 1	C-SCH-03	HW012-22	6-4 (20/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	CY5M32S	Baan Mae Hee Community School
146	12/30/2009	SCH Type 1	C-SCH-04	HW012-23	6-4 (21/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	HX5M32S	Baan Wiang Nua School
147	12/30/2009	SCH Type 1	D-SCH-01	HW012-24	6-4 (22/22)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	CX5M32S	NECTEC School Simulation

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148	12/30/2009	SCH Type 1	A-SCH-01	HW021-3	6-5 (1/22)	VoIP Telephone	WellTech	Model:LP-201	1	J11NWS449	Hong Son Suksa School
149	12/30/2009	SCH Type 1	A-SCH-02	HW021-4	6-5 (2/22)	VoIP Telephone	WellTech	Model:LP-201	1	P1DY295003945	Anuban MHS School
150	12/30/2009	SCH Type 1	A-SCH-03	HW021-5	6-5 (3/22)	VoIP Telephone	WellTech	Model:LP-201	1	10043960911	Baan Sop Pong School
151	12/30/2009	SCH Type 1	A-SCH-04	HW021-6	6-5 (4/22)	VoIP Telephone	WellTech	Model:LP-201	1	10043950911	Baan Mai School
152	12/30/2009	SCH Type 1	A-SCH-05	HW021-7	6-5 (5/22)	VoIP Telephone	WellTech	Model:LP-201	1		Baan Jomg Kum School
153	12/30/2009	SCH Type 1	A-SCH-06	HW021-8	6-5 (6/22)	VoIP Telephone	WellTech	Model:LP-201	1		Muang MHS Municipal School
154	12/30/2009	SCH Type 1	A-SCH-07	HW021-9	6-5 (7/22)	VoIP Telephone	WellTech	Model:LP-201	1		Nawamin Vocational College
155	12/30/2009	SCH Type 1	B-SCH-01	HW021-10	6-5 (8/22)	VoIP Telephone	WellTech	Model:LP-201	1		Mae Sariang (Boripat Suksa) School
156	12/30/2009	SCH Type 1	B-SCH-02	HW021-11	6-5 (9/22)	VoIP Telephone	WellTech	Model:LP-201	1		Tongsawat Vittayakarn
157	12/30/2009	SCH Type 1	B-SCH-03	HW021-12	6-5 (10/22)	VoIP Telephone	WellTech	Model:LP-201	1		Anuban Mae Sariang (Baan Pong) School
158	12/30/2009	SCH Type 1	B-SCH-04	HW021-13	6-5 (11/22)	VoIP Telephone	WellTech	Model:LP-201	1		193th Baan Jom Jang Mittraparb
159	12/30/2009	SCH Type 1	B-SCH-05	HW021-14	6-5 (12/22)	VoIP Telephone	WellTech	Model:LP-201	1		Thairath Vittaya 33 (Baan Tung Prao)
160	12/30/2009	SCH Type 1	B-SCH-06	HW021-15	6-5 (13/22)	VoIP Telephone	WellTech	Model:LP-201	1		Baanrai Vittaya
161	12/30/2009	SCH Type 1	B-SCH-07	HW021-16	6-5 (14/22)	VoIP Telephone	WellTech	Model:LP-201	1		Mae Sariang Vocational School
162	12/30/2009	SCH Type 1	B-SCH-08	HW021-17	6-5 (15/22)	VoIP Telephone	WellTech	Model:LP-201	1		Baan Huay Sai School
163	12/30/2009	SCH Type 1	B-SCH-09	HW021-18	6-5 (16/22)	VoIP Telephone	WellTech	Model:LP-201	1		Baan Nam Dip Community School
164	12/30/2009	SCH Type 1	B-SCH-10	HW021-19	6-5 (17/22)	VoIP Telephone	WellTech	Model:LP-201	1		Baan Sri Moon Muang School
165	12/30/2009	SCH Type 1	C-SCH-01	HW021-20	6-5 (18/22)	VoIP Telephone	WellTech	Model:LP-201	1		Pai Vittayakarn School
166	12/30/2009	SCH Type 1	C-SCH-02	HW021-21	6-5 (19/22)	VoIP Telephone	WellTech	Model:LP-201	1		Anuban Pai School
167	12/30/2009	SCH Type 1	C-SCH-03	HW021-22	6-5 (20/22)	VoIP Telephone	WellTech	Model:LP-201	1		Baan Mae Hee Community School
168	12/30/2009	SCH Type 1	C-SCH-04	HW021-23	6-5 (21/22)	VoIP Telephone	WellTech	Model:LP-201	1		Baan Wiang Nua School
169	12/30/2009	SCH Type 1	D-SCH-01	HW021-24	6-5 (22/22)	VoIP Telephone	WellTech	Model:LP-201	1		NECTEC School Simulation
170	12/30/2009	SCH Type 1	A-SCH-01	HW007-2	6-6 (1/22)	Wi-Fi Router	D-Link	Model:DIR-300	1	P1DY299003945	Hong Son Suksa School
171	12/30/2009	SCH Type 1	A-SCH-02	HW007-3	6-6 (2/22)	Wi-Fi Router	D-Link	Model:DIR-300	1	10043960911	Anuban MHS School
172	12/30/2009	SCH Type 1	A-SCH-03	HW007-4	6-6 (3/22)	Wi-Fi Router	D-Link	Model:DIR-300	1	10043950911	Baan Sop Pong School
173	12/30/2009	SCH Type 1	A-SCH-04	HW007-5	6-6 (4/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baan Mai School
174	12/30/2009	SCH Type 1	A-SCH-05	HW007-6	6-6 (5/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baan Jomg Kum School
175	12/30/2009	SCH Type 1	A-SCH-06	HW007-7	6-6 (6/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Muang MHS Municipal School
176	12/30/2009	SCH Type 1	A-SCH-07	HW007-8	6-6 (7/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Nawamin Vocational College
177	12/30/2009	SCH Type 1	B-SCH-01	HW007-9	6-6 (8/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Mae Sariang (Boripat Suksa) School
178	12/30/2009	SCH Type 1	B-SCH-02	HW007-10	6-6 (9/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Tongsawat Vittayakarn
179	12/30/2009	SCH Type 1	B-SCH-03	HW007-11	6-6 (10/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Anuban Mae Sariang (Baan Pong) School
180	12/30/2009	SCH Type 1	B-SCH-04	HW007-12	6-6 (11/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		193th Baan Jom Jang Mittraparb
181	12/30/2009	SCH Type 1	B-SCH-05	HW007-13	6-6 (12/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Thairath Vittaya 33 (Baan Tung Prao)
182	12/30/2009	SCH Type 1	B-SCH-06	HW007-14	6-6 (13/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baanrai Vittaya
183	12/30/2009	SCH Type 1	B-SCH-07	HW007-15	6-6 (14/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Mae Sariang Vocational School
184	12/30/2009	SCH Type 1	B-SCH-08	HW007-16	6-6 (15/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baan Huay Sai School
185	12/30/2009	SCH Type 1	B-SCH-09	HW007-17	6-6 (16/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baan Nam Dip Community School
186	12/30/2009	SCH Type 1	B-SCH-10	HW007-18	6-6 (17/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baan Sri Moon Muang School
187	12/30/2009	SCH Type 1	C-SCH-01	HW007-19	6-6 (18/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Pai Vittayakarn School
188	12/30/2009	SCH Type 1	C-SCH-02	HW007-20	6-6 (19/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Anuban Pai School
189	12/30/2009	SCH Type 1	C-SCH-03	HW007-21	6-6 (20/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baan Mae Hee Community School
190	12/30/2009	SCH Type 1	C-SCH-04	HW007-22	6-6 (21/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		Baan Wiang Nua School
191	12/30/2009	SCH Type 1	D-SCH-01	HW007-23	6-6 (22/22)	Wi-Fi Router	D-Link	Model:DIR-300	1		NECTEC School Simulation
192	12/30/2009	SCH Type 1	A-SCH-01	HW019-8	6-7 (1/44)	UPS	PCM	Model:VGD-700	1	10043960911	Hong Son Suksa School
193	12/30/2009	SCH Type 1	A-SCH-01	HW019-9	6-7 (2/44)	UPS	PCM	Model:VGD-700	1	10043950911	Hong Son Suksa School
194	12/30/2009	SCH Type 1	A-SCH-02	HW019-10	6-7 (3/44)	UPS	PCM	Model:VGD-700	1		Anuban MHS School
195	12/30/2009	SCH Type 1	A-SCH-02	HW019-11	6-7 (4/44)	UPS	PCM	Model:VGD-700	1		Anuban MHS School
196	12/30/2009	SCH Type 1	A-SCH-03	HW019-12	6-7 (5/44)	UPS	PCM	Model:VGD-700	1		Baan Sop Pong School
197	12/30/2009	SCH Type 1	A-SCH-03	HW019-13	6-7 (6/44)	UPS	PCM	Model:VGD-700	1		Baan Sop Pong School
198	12/30/2009	SCH Type 1	A-SCH-04	HW019-14	6-7 (7/44)	UPS	PCM	Model:VGD-700	1		Baan Mai School
199	12/30/2009	SCH Type 1	A-SCH-04	HW019-15	6-7 (8/44)	UPS	PCM	Model:VGD-700	1		Baan Mai School
200	12/30/2009	SCH Type 1	A-SCH-05	HW019-16	6-7 (9/44)	UPS	PCM	Model:VGD-700	1		Baan Jomg Kum School
201	12/30/2009	SCH Type 1	A-SCH-05	HW019-17	6-7 (10/44)	UPS	PCM	Model:VGD-700	1		Baan Jomg Kum School

List of Equipment Provided by Japanese Side (WiMAX List ALL)

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Origin of Quantity	S/N	Site Name (Eng)
202	12/30/2009	SCH Type 1	A-SCH-06	HW019-18	6-7 (11/44)	UPS	PCM	Model:VGD-700	1		Muang MHS Municipal School
203	12/30/2009	SCH Type 1	A-SCH-06	HW019-19	6-7 (12/44)	UPS	PCM	Model:VGD-700	1		Muang MHS Municipal School
204	12/30/2009	SCH Type 1	A-SCH-07	HW019-20	6-7 (13/44)	UPS	PCM	Model:VGD-700	1		Nawamin Vocational College
205	12/30/2009	SCH Type 1	A-SCH-07	HW019-21	6-7 (14/44)	UPS	PCM	Model:VGD-700	1		Nawamin Vocational College
206	12/30/2009	SCH Type 1	B-SCH-01	HW019-22	6-7 (15/44)	UPS	PCM	Model:VGD-700	1		Mae Sariang (Boripat Suksa) School
207	12/30/2009	SCH Type 1	B-SCH-01	HW019-23	6-7 (16/44)	UPS	PCM	Model:VGD-700	1		Mae Sariang (Boripat Suksa) School
208	12/30/2009	SCH Type 1	B-SCH-02	HW019-24	6-7 (17/44)	UPS	PCM	Model:VGD-700	1		Tongsawat Vittayakarn
209	12/30/2009	SCH Type 1	B-SCH-02	HW019-25	6-7 (18/44)	UPS	PCM	Model:VGD-700	1		Tongsawat Vittayakarn
210	12/30/2009	SCH Type 1	B-SCH-03	HW019-26	6-7 (19/44)	UPS	PCM	Model:VGD-700	1		Anuban Mae Sariang (Baan Pong) School
211	12/30/2009	SCH Type 1	B-SCH-03	HW019-27	6-7 (20/44)	UPS	PCM	Model:VGD-700	1		Anuban Mae Sariang (Baan Pong) School
212	12/30/2009	SCH Type 1	B-SCH-04	HW019-28	6-7 (21/44)	UPS	PCM	Model:VGD-700	1		193th Baan Jom Jang Mittraparb
213	12/30/2009	SCH Type 1	B-SCH-04	HW019-29	6-7 (22/44)	UPS	PCM	Model:VGD-700	1		193th Baan Jom Jang Mittraparb
214	12/30/2009	SCH Type 1	B-SCH-05	HW019-30	6-7 (23/44)	UPS	PCM	Model:VGD-700	1		Thairath Vittaya 33 (Baan Tung Prao)
215	12/30/2009	SCH Type 1	B-SCH-05	HW019-31	6-7 (24/44)	UPS	PCM	Model:VGD-700	1		Thairath Vittaya 33 (Baan Tung Prao)
216	12/30/2009	SCH Type 1	B-SCH-06	HW019-32	6-7 (25/44)	UPS	PCM	Model:VGD-700	1		Baanrai Vittaya
217	12/30/2009	SCH Type 1	B-SCH-06	HW019-33	6-7 (26/44)	UPS	PCM	Model:VGD-700	1		Baanrai Vittaya
218	12/30/2009	SCH Type 1	B-SCH-07	HW019-34	6-7 (27/44)	UPS	PCM	Model:VGD-700	1		Mae Sariang Vocational School
219	12/30/2009	SCH Type 1	B-SCH-07	HW019-35	6-7 (28/44)	UPS	PCM	Model:VGD-700	1		Mae Sariang Vocational School
220	12/30/2009	SCH Type 1	B-SCH-08	HW019-36	6-7 (29/44)	UPS	PCM	Model:VGD-700	1		Baan Huay Sai School
221	12/30/2009	SCH Type 1	B-SCH-08	HW019-37	6-7 (30/44)	UPS	PCM	Model:VGD-700	1		Baan Huay Sai School
222	12/30/2009	SCH Type 1	B-SCH-09	HW019-38	6-7 (31/44)	UPS	PCM	Model:VGD-700	1		Baan Nam Dip Community School
223	12/30/2009	SCH Type 1	B-SCH-09	HW019-39	6-7 (32/44)	UPS	PCM	Model:VGD-700	1		Baan Nam Dip Community School
224	12/30/2009	SCH Type 1	B-SCH-10	HW019-40	6-7 (33/44)	UPS	PCM	Model:VGD-700	1		Baan Sri Moon Muang School
225	12/30/2009	SCH Type 1	B-SCH-10	HW019-41	6-7 (34/44)	UPS	PCM	Model:VGD-700	1		Baan Sri Moon Muang School
226	12/30/2009	SCH Type 1	C-SCH-01	HW019-42	6-7 (35/44)	UPS	PCM	Model:VGD-700	1		Pai Vittayakarn School
227	12/30/2009	SCH Type 1	C-SCH-01	HW019-43	6-7 (36/44)	UPS	PCM	Model:VGD-700	1		Pai Vittayakarn School
228	12/30/2009	SCH Type 1	C-SCH-02	HW019-44	6-7 (37/44)	UPS	PCM	Model:VGD-700	1		Anuban Pai School
229	12/30/2009	SCH Type 1	C-SCH-02	HW019-45	6-7 (38/44)	UPS	PCM	Model:VGD-700	1		Anuban Pai School
230	12/30/2009	SCH Type 1	C-SCH-03	HW019-46	6-7 (39/44)	UPS	PCM	Model:VGD-700	1		Baan Mae Hee Community School
231	12/30/2009	SCH Type 1	C-SCH-03	HW019-47	6-7 (40/44)	UPS	PCM	Model:VGD-700	1		Baan Mae Hee Community School
232	12/30/2009	SCH Type 1	C-SCH-04	HW019-48	6-7 (41/44)	UPS	PCM	Model:VGD-700	1		Baan Wiang Nua School
233	12/30/2009	SCH Type 1	C-SCH-04	HW019-49	6-7 (42/44)	UPS	PCM	Model:VGD-700	1		Baan Wiang Nua School
234	12/30/2009	SCH Type 1	D-SCH-01	HW019-50	6-7 (43/44)	UPS	PCM	Model:VGD-700	1		NECTEC School Simulation
235	12/30/2009	SCH Type 1	D-SCH-01	HW019-51	6-7 (44/44)	UPS	PCM	Model:VGD-700	1		NECTEC School Simulation
236	12/30/2009	SCH Type 1	A-SCH-01	HW024	6-8 (1/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Hong Son Suksa School
237	12/30/2009	SCH Type 1	A-SCH-02	HW024	6-8 (2/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Anuban MHS School
238	12/30/2009	SCH Type 1	A-SCH-03	HW024	6-8 (3/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Sop Pong School
239	12/30/2009	SCH Type 1	A-SCH-04	HW024	6-8 (4/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Mai School
240	12/30/2009	SCH Type 1	A-SCH-05	HW024	6-8 (5/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Jomg Kum School
241	12/30/2009	SCH Type 1	A-SCH-06	HW024	6-8 (6/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Muang MHS Municipal School
242	12/30/2009	SCH Type 1	A-SCH-07	HW024	6-8 (7/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Nawamin Vocational College
243	12/30/2009	SCH Type 1	B-SCH-01	HW024	6-8 (8/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Mae Sariang (Boripat Suksa) School
244	12/30/2009	SCH Type 1	B-SCH-02	HW024	6-8 (9/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Tongsawat Vittayakarn
245	12/30/2009	SCH Type 1	B-SCH-03	HW024	6-8 (10/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Anuban Mae Sariang (Baan Pong) School
246	12/30/2009	SCH Type 1	B-SCH-04	HW024	6-8 (11/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		193th Baan Jom Jang Mittraparb
247	12/30/2009	SCH Type 1	B-SCH-05	HW024	6-8 (12/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Thairath Vittaya 33 (Baan Tung Prao)
248	12/30/2009	SCH Type 1	B-SCH-06	HW024	6-8 (13/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baanrai Vittaya
249	12/30/2009	SCH Type 1	B-SCH-07	HW024	6-8 (14/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Mae Sariang Vocational School
250	12/30/2009	SCH Type 1	B-SCH-08	HW024	6-8 (15/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Huay Sai School
251	12/30/2009	SCH Type 1	B-SCH-09	HW024	6-8 (16/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Nam Dip Community School
252	12/30/2009	SCH Type 1	B-SCH-10	HW024	6-8 (17/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Sri Moon Muang School
253	12/30/2009	SCH Type 1	C-SCH-01	HW024	6-8 (18/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Pai Vittayakarn School
254	12/30/2009	SCH Type 1	C-SCH-02	HW024	6-8 (19/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Anuban Pai School
255	12/30/2009	SCH Type 1	C-SCH-03	HW024	6-8 (20/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Mae Hee Community School

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quantity	S/N	Site Name (Eng)
256	12/30/2009	SCH Type 1	C-SCH-04	HW024	6-8 (21/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Baan Wiang Nua School
257	12/30/2009	SCH Type 1	D-SCH-01	HW024	6-8 (22/22)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		NECTEC School Simulation
258	12/30/2009	SCH Type 2	A-SCH-08	HW016-1	7-1 (1/6)	Broadband ADSL Router	TECOM	Model:AR4031C	1		Suksa Song Kro School
259	12/30/2009	SCH Type 2	A-SCH-09	HW016-2	7-1 (2/6)	Broadband ADSL Router	TECOM	Model:AR4031C	1		Khun Gyuam Vitaya school
260	12/30/2009	SCH Type 2	B-SCH-11	HW016-3	7-1 (3/6)	Broadband ADSL Router	TECOM	Model:AR4031C	1		Maelanoi Daroonsik school
261	12/30/2009	SCH Type 2	B-SCH-12	HW016-4	7-1 (4/6)	Broadband ADSL Router	TECOM	Model:AR4031C	1		Rajaprajanukroh 21 school
262	12/30/2009	SCH Type 2	C-SCH-05	HW016-5	7-1 (5/6)	Broadband ADSL Router	TECOM	Model:AR4031C	1		Rajaprajanukroh 22 school
263	12/30/2009	SCH Type 2	C-SCH-06	HW016-6	7-1 (6/6)	Broadband ADSL Router	TECOM	Model:AR4031C	1		Rajaprajanukroh 34 school
264	12/30/2009	SCH Type 2	A-SCH-08	HW014-29	7-2 (1/6)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Suksa Song Kro School
265	12/30/2009	SCH Type 2	A-SCH-09	HW014-30	7-2 (2/6)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Khun Gyuam Vitaya school
266	12/30/2009	SCH Type 2	B-SCH-11	HW014-31	7-2 (3/6)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Maelanoi Daroonsik school
267	12/30/2009	SCH Type 2	B-SCH-12	HW014-32	7-2 (4/6)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Rajaprajanukroh 21 school
268	12/30/2009	SCH Type 2	C-SCH-05	HW014-33	7-2 (5/6)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Rajaprajanukroh 22 school
269	12/30/2009	SCH Type 2	C-SCH-06	HW014-34	7-2 (6/6)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Rajaprajanukroh 34 school
270	12/30/2009	SCH Type 2	A-SCH-08	HW011-23	7-3 (1/6)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSL	Suksa Song Kro School
271	12/30/2009	SCH Type 2	A-SCH-09	HW011-24	7-3 (2/6)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS3	Khun Gyuam Vitaya school
272	12/30/2009	SCH Type 2	B-SCH-11	HW011-25	7-3 (3/6)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRS	Maelanoi Daroonsik school
273	12/30/2009	SCH Type 2	B-SCH-12	HW011-26	7-3 (4/6)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRC	Rajaprajanukroh 21 school
274	12/30/2009	SCH Type 2	C-SCH-05	HW011-27	7-3 (5/6)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRP	Rajaprajanukroh 22 school
275	12/30/2009	SCH Type 2	C-SCH-06	HW011-28	7-3 (6/6)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS4	Rajaprajanukroh 34 school
276	12/30/2009	SCH Type 2	A-SCH-08	HW012-25	7-4 (1/6)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	B39D32S	Suksa Song Kro School
277	12/30/2009	SCH Type 2	A-SCH-09	HW012-26	7-4 (2/6)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	7Y5M32S	Khun Gyuam Vitaya school
278	12/30/2009	SCH Type 2	B-SCH-11	HW012-27	7-4 (3/6)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	3RDK32S	Maelanoi Daroonsik school
279	12/30/2009	SCH Type 2	B-SCH-12	HW012-28	7-4 (4/6)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	2RDK32S	Rajaprajanukroh 21 school
280	12/30/2009	SCH Type 2	C-SCH-05	HW012-29	7-4 (5/6)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	3RDK32S	Rajaprajanukroh 22 school
281	12/30/2009	SCH Type 2	C-SCH-06	HW012-30	7-4 (6/6)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	839D32S	Rajaprajanukroh 34 school
282	12/30/2009	SCH Type 2	A-SCH-08	HW021-25	7-5 (1/6)	VoIP Telephone	WellTech	Model:LP-201	1		Suksa Song Kro School
283	12/30/2009	SCH Type 2	A-SCH-09	HW021-26	7-5 (2/6)	VoIP Telephone	WellTech	Model:LP-201	1		Khun Gyuam Vitaya school
284	12/30/2009	SCH Type 2	B-SCH-11	HW021-27	7-5 (3/6)	VoIP Telephone	WellTech	Model:LP-201	1		Maelanoi Daroonsik school
285	12/30/2009	SCH Type 2	B-SCH-12	HW021-28	7-5 (4/6)	VoIP Telephone	WellTech	Model:LP-201	1		Rajaprajanukroh 21 school
286	12/30/2009	SCH Type 2	C-SCH-05	HW021-29	7-5 (5/6)	VoIP Telephone	WellTech	Model:LP-201	1		Rajaprajanukroh 22 school
287	12/30/2009	SCH Type 2	C-SCH-06	HW021-30	7-5 (6/6)	VoIP Telephone	WellTech	Model:LP-201	1		Rajaprajanukroh 34 school
288	12/30/2009	SCH Type 2	A-SCH-08	HW007-24	7-6 (1/6)	Wi-Fi Router	D-Link	Model:DIR-300	1		Suksa Song Kro School
289	12/30/2009	SCH Type 2	A-SCH-09	HW007-25	7-6 (2/6)	Wi-Fi Router	D-Link	Model:DIR-300	1		Khun Gyuam Vitaya school
290	12/30/2009	SCH Type 2	B-SCH-11	HW007-26	7-6 (3/6)	Wi-Fi Router	D-Link	Model:DIR-300	1		Maelanoi Daroonsik school
291	12/30/2009	SCH Type 2	B-SCH-12	HW007-27	7-6 (4/6)	Wi-Fi Router	D-Link	Model:DIR-300	1		Rajaprajanukroh 21 school

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quant. Inv.	S/N	Site Name (Eng)
292	12/30/2009	SCH Type 2	C-SCH-05	HW007-28	7-6 (5/6)	Wi-Fi Router	D-Link	Model:DIR-300	1		Rajaprajanukroh 22 school
293	12/30/2009	SCH Type 2	C-SCH-06	HW007-29	7-6 (6/6)	Wi-Fi Router	D-Link	Model:DIR-300	1		Rajaprajanukroh 34 school
294	12/30/2009	SCH Type 2	A-SCH-08	HW019-52	7-7 (1/12)	UPS	PCM	Model:VGD-700	1		Suksa Song Kro School
295	12/30/2009	SCH Type 2	A-SCH-08	HW019-53	7-7 (2/12)	UPS	PCM	Model:VGD-700	1		Suksa Song Kro School
296	12/30/2009	SCH Type 2	A-SCH-09	HW019-54	7-7 (3/12)	UPS	PCM	Model:VGD-700	1		Khun Gyuan Vitaya school
297	12/30/2009	SCH Type 2	A-SCH-09	HW019-55	7-7 (4/12)	UPS	PCM	Model:VGD-700	1		Khun Gyuan Vitaya school
298	12/30/2009	SCH Type 2	B-SCH-11	HW019-56	7-7 (5/12)	UPS	PCM	Model:VGD-700	1		Maelanoi Daroonsik school
299	12/30/2009	SCH Type 2	B-SCH-11	HW019-57	7-7 (6/12)	UPS	PCM	Model:VGD-700	1		Maelanoi Daroonsik school
300	12/30/2009	SCH Type 2	B-SCH-12	HW019-58	7-7 (7/12)	UPS	PCM	Model:VGD-700	1		Rajaprajanukroh 21 school
301	12/30/2009	SCH Type 2	B-SCH-12	HW019-59	7-7 (8/12)	UPS	PCM	Model:VGD-700	1		Rajaprajanukroh 21 school
302	12/30/2009	SCH Type 2	C-SCH-05	HW019-60	7-7 (9/12)	UPS	PCM	Model:VGD-700	1		Rajaprajanukroh 22 school
303	12/30/2009	SCH Type 2	C-SCH-05	HW019-61	7-7 (10/12)	UPS	PCM	Model:VGD-700	1		Rajaprajanukroh 22 school
304	12/30/2009	SCH Type 2	C-SCH-06	HW019-62	7-7 (11/12)	UPS	PCM	Model:VGD-700	1		Rajaprajanukroh 34 school
305	12/30/2009	SCH Type 2	C-SCH-06	HW019-63	7-7 (12/12)	UPS	PCM	Model:VGD-700	1		Rajaprajanukroh 34 school
306	12/30/2009	SCH Type 2	A-SCH-08	HW024	7-8 (1/6)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Suksa Song Kro School
307	12/30/2009	SCH Type 2	A-SCH-09	HW024	7-8 (2/6)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Khun Gyuan Vitaya school
308	12/30/2009	SCH Type 2	B-SCH-11	HW024	7-8 (3/6)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Maelanoi Daroonsik school
309	12/30/2009	SCH Type 2	B-SCH-12	HW024	7-8 (4/6)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Rajaprajanukroh 21 school
310	12/30/2009	SCH Type 2	C-SCH-05	HW024	7-8 (5/6)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Rajaprajanukroh 22 school
311	12/30/2009	SCH Type 2	C-SCH-06	HW024	7-8 (6/6)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Rajaprajanukroh 34 school
312	12/30/2009	GOV Type 1	A-GOV-01	HW003-23	8-1 (1/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1	W503000411	Mae Hong Son Provincial Governor's Office
313	12/30/2009	GOV Type 1	A-GOV-02	HW003-24	8-1 (2/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Provincial Public Health Office
314	12/30/2009	GOV Type 1	A-GOV-03	HW003-25	8-1 (3/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Srisungwan Hospital
315	12/30/2009	GOV Type 1	A-GOV-04	HW003-26	8-1 (4/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Disaster Prevention and Mitigation Office
316	12/30/2009	GOV Type 1	A-GOV-05	HW003-27	8-1 (5/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		MHS Educational Service Area 1
317	12/30/2009	GOV Type 1	A-GOV-06	HW003-28	8-1 (6/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		MHS Provincial Police Station
318	12/30/2009	GOV Type 1	A-GOV-07	HW003-29	8-1 (7/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		MHS Drug Dependence Treatment Center
319	12/30/2009	GOV Type 1	A-GOV-08	HW003-30	8-1 (8/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		MHS Municipality
320	12/30/2009	GOV Type 1	B-GOV-01	HW003-31	8-1 (9/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		MHS Educational Service Area 2
321	12/30/2009	GOV Type 1	B-GOV-02	HW003-32	8-1 (10/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Mae Sariang District Office
322	12/30/2009	GOV Type 1	B-GOV-03	HW003-33	8-1 (11/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Mae Sariang Hospital
323	12/30/2009	GOV Type 1	C-GOV-01	HW003-34	8-1 (12/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Pai District Office
324	12/30/2009	GOV Type 1	C-GOV-02	HW003-35	8-1 (13/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Pai Hospital
325	12/30/2009	GOV Type 1	C-GOV-03	HW003-36	8-1 (14/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Pai Municipality
326	12/30/2009	GOV Type 1	D-GOV-01	HW003-37	8-1 (15/15)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		NECTEC Gov. Simulation
327	12/30/2009	GOV Type 1	A-GOV-01	HW014-35	8-2 (1/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1	P1FF19900002	Mae Hong Son Provincial Governor's Office
328	12/30/2009	GOV Type 1	A-GOV-02	HW014-36	8-2 (2/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Provincial Public Health Office
329	12/30/2009	GOV Type 1	A-GOV-03	HW014-37	8-2 (3/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Srisungwan Hospital
330	12/30/2009	GOV Type 1	A-GOV-04	HW014-38	8-2 (4/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Disaster Prevention and Mitigation Office
331	12/30/2009	GOV Type 1	A-GOV-05	HW014-39	8-2 (5/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		MHS Educational Service Area 1
332	12/30/2009	GOV Type 1	A-GOV-06	HW014-40	8-2 (6/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		MHS Provincial Police Station
333	12/30/2009	GOV Type 1	A-GOV-07	HW014-41	8-2 (7/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		MHS Drug Dependence Treatment Center
334	12/30/2009	GOV Type 1	A-GOV-08	HW014-42	8-2 (8/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		MHS Municipality
335	12/30/2009	GOV Type 1	B-GOV-01	HW014-43	8-2 (9/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		MHS Educational Service Area 2
336	12/30/2009	GOV Type 1	B-GOV-02	HW014-44	8-2 (10/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Mae Sariang District Office
337	12/30/2009	GOV Type 1	B-GOV-03	HW014-45	8-2 (11/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Mae Sariang Hospital
338	12/30/2009	GOV Type 1	C-GOV-01	HW014-46	8-2 (12/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Pai District Office
339	12/30/2009	GOV Type 1	C-GOV-02	HW014-47	8-2 (13/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Pai Hospital
340	12/30/2009	GOV Type 1	C-GOV-03	HW014-48	8-2 (14/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Pai Municipality
341	12/30/2009	GOV Type 1	D-GOV-01	HW014-49	8-2 (15/15)	Switching Hub L2	D-Link	Model:DGS-3426P	1		NECTEC Gov. Simulation
342	12/30/2009	GOV Type 1	A-GOV-01	HW011-29	8-3 (1/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSS	Mae Hong Son Provincial Governor's Office

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Qty	S/N	Site Name (Eng)
343	12/30/2009	GOV Type 1	A-GOV-02	HW011-30	8-3 (2/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSP	Provincial Public Health Office
344	12/30/2009	GOV Type 1	A-GOV-03	HW011-31	8-3 (3/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSH	Srisungwan Hospital
345	12/30/2009	GOV Type 1	A-GOV-04	HW011-32	8-3 (4/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSQ	Disaster Prevention and Mitigation Office
346	12/30/2009	GOV Type 1	A-GOV-05	HW011-33	8-3 (5/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS1	MHS Educational Service Area 1
347	12/30/2009	GOV Type 1	A-GOV-06	HW011-34	8-3 (6/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS9	MHS Provincial Police Station
348	12/30/2009	GOV Type 1	A-GOV-07	HW011-35	8-3 (7/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSD	MHS Drug Dependence Treatment Center
349	12/30/2009	GOV Type 1	A-GOV-08	HW011-36	8-3 (8/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSW	MHS Municipality
350	12/30/2009	GOV Type 1	B-GOV-01	HW011-37	8-3 (9/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSJ	MHS Educational Service Area 2
351	12/30/2009	GOV Type 1	B-GOV-02	HW011-38	8-3 (10/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS2	Mae Sariang District Office
352	12/30/2009	GOV Type 1	B-GOV-03	HW011-39	8-3 (11/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS7	Mae Sariang Hospital
353	12/30/2009	GOV Type 1	C-GOV-01	HW011-40	8-3 (12/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSF	Pai District Office
354	12/30/2009	GOV Type 1	C-GOV-02	HW011-41	8-3 (13/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSK	Pai Hospital
355	12/30/2009	GOV Type 1	C-GOV-03	HW011-42	8-3 (14/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHSM	Pai Municipality
356	12/30/2009	GOV Type 1	D-GOV-01	HW011-43	8-3 (15/15)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHS6	NECTEC Gov. Simulation
357	12/30/2009	GOV Type 1	A-GOV-01	HW012-31	8-4 (1/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	7RDK32S	Mae Hong Son Provincial Governor's Office
358	12/30/2009	GOV Type 1	A-GOV-02	HW012-32	8-4 (2/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	4SDK32S	Provincial Public Health Office
359	12/30/2009	GOV Type 1	A-GOV-03	HW012-33	8-4 (3/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	DRDK32S	Srisungwan Hospital
360	12/30/2009	GOV Type 1	A-GOV-04	HW012-34	8-4 (4/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	7J9D32S	Disaster Prevention and Mitigation Office
361	12/30/2009	GOV Type 1	A-GOV-05	HW012-35	8-4 (5/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	HRDK32S	MHS Educational Service Area 1
362	12/30/2009	GOV Type 1	A-GOV-06	HW012-36	8-4 (6/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	4Y5M32S	MHS Provincial Police Station
363	12/30/2009	GOV Type 1	A-GOV-07	HW012-37	8-4 (7/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	1SDK32S	MHS Drug Dependence Treatment Center
364	12/30/2009	GOV Type 1	A-GOV-08	HW012-38	8-4 (8/15)	Computer Desktop	DELL	Model:VOSTRO-2205, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	GRDK32S	MHS Municipality

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Origin of Quantity	S/N	Site Name (Eng)
365	12/30/2009	GOV Type 1	B-GOV-01	HW012-39	8-4 (9/15)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	FJ9D32S	MHS Educational Service Area 2
366	12/30/2009	GOV Type 1	B-GOV-02	HW012-40	8-4 (10/15)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	5Y5M32S	Mae Sariang District Office
367	12/30/2009	GOV Type 1	B-GOV-03	HW012-41	8-4 (11/15)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	6RDK32S	Mae Sariang Hospital
368	12/30/2009	GOV Type 1	C-GOV-01	HW012-42	8-4 (12/15)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	9Y5M32S	Pai District Office
369	12/30/2009	GOV Type 1	C-GOV-02	HW012-43	8-4 (13/15)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	GJ9D32S	Pai Hospital
370	12/30/2009	GOV Type 1	C-GOV-03	HW012-44	8-4 (14/15)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	3SDK32S	Pai Municipality
371	12/30/2009	GOV Type 1	D-GOV-01	HW012-45	8-4 (15/15)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	9J9D32S	NECTEC Gov. Simulation
372	12/30/2009	GOV Type 1	A-GOV-01	HW021-31	8-5 (1/15)	VoIP Telephone	WellTech	Model:LP-201	1	J11NN5451	Mae Hong Son Provincial Governor's Office
373	12/30/2009	GOV Type 1	A-GOV-02	HW021-32	8-5 (2/15)	VoIP Telephone	WellTech	Model:LP-201	1	P1DY295005410	Provincial Public Health Office
374	12/30/2009	GOV Type 1	A-GOV-03	HW021-33	8-5 (3/15)	VoIP Telephone	WellTech	Model:LP-201	1	10043970911	Srisungwan Hospital
375	12/30/2009	GOV Type 1	A-GOV-04	HW021-34	8-5 (4/15)	VoIP Telephone	WellTech	Model:LP-201	1	10043920911	Disaster Prevention and Mitigation Office
376	12/30/2009	GOV Type 1	A-GOV-05	HW021-35	8-5 (5/15)	VoIP Telephone	WellTech	Model:LP-201	1		MHS Educational Service Area 1
377	12/30/2009	GOV Type 1	A-GOV-06	HW021-36	8-5 (6/15)	VoIP Telephone	WellTech	Model:LP-201	1		MHS Provincial Police Station
378	12/30/2009	GOV Type 1	A-GOV-07	HW021-37	8-5 (7/15)	VoIP Telephone	WellTech	Model:LP-201	1		MHS Drug Dependence Treatment Center
379	12/30/2009	GOV Type 1	A-GOV-08	HW021-38	8-5 (8/15)	VoIP Telephone	WellTech	Model:LP-201	1		MHS Municipality
380	12/30/2009	GOV Type 1	B-GOV-01	HW021-39	8-5 (9/15)	VoIP Telephone	WellTech	Model:LP-201	1		MHS Educational Service Area 2
381	12/30/2009	GOV Type 1	B-GOV-02	HW021-40	8-5 (10/15)	VoIP Telephone	WellTech	Model:LP-201	1		Mae Sariang District Office
382	12/30/2009	GOV Type 1	B-GOV-03	HW021-41	8-5 (11/15)	VoIP Telephone	WellTech	Model:LP-201	1		Mae Sariang Hospital
383	12/30/2009	GOV Type 1	C-GOV-01	HW021-42	8-5 (12/15)	VoIP Telephone	WellTech	Model:LP-201	1		Pai District Office
384	12/30/2009	GOV Type 1	C-GOV-02	HW021-43	8-5 (13/15)	VoIP Telephone	WellTech	Model:LP-201	1		Pai Hospital
385	12/30/2009	GOV Type 1	C-GOV-03	HW021-44	8-5 (14/15)	VoIP Telephone	WellTech	Model:LP-201	1		Pai Municipality
386	12/30/2009	GOV Type 1	D-GOV-01	HW021-45	8-5 (15/15)	VoIP Telephone	WellTech	Model:LP-201	1		NECTEC Gov. Simulation
387	12/30/2009	GOV Type 1	A-GOV-01	HW007-30	8-6 (1/15)	Wi-Fi Router	D-Link	Model:DIR-300	1	P1DY295005410	Mae Hong Son Provincial Governor's Office
388	12/30/2009	GOV Type 1	A-GOV-02	HW007-31	8-6 (2/15)	Wi-Fi Router	D-Link	Model:DIR-300	1	10043970911	Provincial Public Health Office
389	12/30/2009	GOV Type 1	A-GOV-03	HW007-32	8-6 (3/15)	Wi-Fi Router	D-Link	Model:DIR-300	1	10043920911	Srisungwan Hospital
390	12/30/2009	GOV Type 1	A-GOV-04	HW007-33	8-6 (4/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		Disaster Prevention and Mitigation Office
391	12/30/2009	GOV Type 1	A-GOV-05	HW007-34	8-6 (5/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		MHS Educational Service Area 1
392	12/30/2009	GOV Type 1	A-GOV-06	HW007-35	8-6 (6/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		MHS Provincial Police Station
393	12/30/2009	GOV Type 1	A-GOV-07	HW007-36	8-6 (7/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		MHS Drug Dependence Treatment Center
394	12/30/2009	GOV Type 1	A-GOV-08	HW007-37	8-6 (8/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		MHS Municipality
395	12/30/2009	GOV Type 1	B-GOV-01	HW007-38	8-6 (9/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		MHS Educational Service Area 2
396	12/30/2009	GOV Type 1	B-GOV-02	HW007-39	8-6 (10/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		Mae Sariang District Office
397	12/30/2009	GOV Type 1	B-GOV-03	HW007-40	8-6 (11/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		Mae Sariang Hospital
398	12/30/2009	GOV Type 1	C-GOV-01	HW007-41	8-6 (12/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		Pai District Office
399	12/30/2009	GOV Type 1	C-GOV-02	HW007-42	8-6 (13/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		Pai Hospital
400	12/30/2009	GOV Type 1	C-GOV-03	HW007-43	8-6 (14/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		Pai Municipality
401	12/30/2009	GOV Type 1	D-GOV-01	HW007-44	8-6 (15/15)	Wi-Fi Router	D-Link	Model:DIR-300	1		NECTEC Gov. Simulation
402	12/30/2009	GOV Type 1	A-GOV-01	HW019-64	8-7 (1/30)	UPS	PCM	Model:VGD-700	1	10043970911	Mae Hong Son Provincial Governor's Office
403	12/30/2009	GOV Type 1	A-GOV-01	HW019-65	8-7 (2/30)	UPS	PCM	Model:VGD-700	1	10043920911	Mae Hong Son Provincial Governor's Office
404	12/30/2009	GOV Type 1	A-GOV-02	HW019-66	8-7 (3/30)	UPS	PCM	Model:VGD-700	1		Provincial Public Health Office

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quantity	S/N	Site Name (Eng)
405	12/30/2009	GOV Type 1	A-GOV-02	HW019-67	8-7 (4/30)	UPS	PCM	Model:VGD-700	1		Provincial Public Health Office
406	12/30/2009	GOV Type 1	A-GOV-03	HW019-68	8-7 (5/30)	UPS	PCM	Model:VGD-700	1		Srisungwan Hospital
407	12/30/2009	GOV Type 1	A-GOV-03	HW019-69	8-7 (6/30)	UPS	PCM	Model:VGD-700	1		Srisungwan Hospital
408	12/30/2009	GOV Type 1	A-GOV-04	HW019-70	8-7 (7/30)	UPS	PCM	Model:VGD-700	1		Disaster Prevention and Mitigation Office
409	12/30/2009	GOV Type 1	A-GOV-04	HW019-71	8-7 (8/30)	UPS	PCM	Model:VGD-700	1		Disaster Prevention and Mitigation Office
410	12/30/2009	GOV Type 1	A-GOV-05	HW019-72	8-7 (9/30)	UPS	PCM	Model:VGD-700	1		MHS Educational Service Area 1
411	12/30/2009	GOV Type 1	A-GOV-05	HW019-73	8-7 (10/30)	UPS	PCM	Model:VGD-700	1		MHS Educational Service Area 1
412	12/30/2009	GOV Type 1	A-GOV-06	HW019-74	8-7 (11/30)	UPS	PCM	Model:VGD-700	1		MHS Provincial Police Station
413	12/30/2009	GOV Type 1	A-GOV-06	HW019-75	8-7 (12/30)	UPS	PCM	Model:VGD-700	1		MHS Provincial Police Station
414	12/30/2009	GOV Type 1	A-GOV-07	HW019-76	8-7 (13/30)	UPS	PCM	Model:VGD-700	1		MHS Drug Dependence Treatment Center
415	12/30/2009	GOV Type 1	A-GOV-07	HW019-77	8-7 (14/30)	UPS	PCM	Model:VGD-700	1		MHS Drug Dependence Treatment Center
416	12/30/2009	GOV Type 1	A-GOV-08	HW019-78	8-7 (15/30)	UPS	PCM	Model:VGD-700	1		MHS Municipality
417	12/30/2009	GOV Type 1	A-GOV-08	HW019-79	8-7 (16/30)	UPS	PCM	Model:VGD-700	1		MHS Municipality
418	12/30/2009	GOV Type 1	B-GOV-01	HW019-80	8-7 (17/30)	UPS	PCM	Model:VGD-700	1		MHS Educational Service Area 2
419	12/30/2009	GOV Type 1	B-GOV-01	HW019-81	8-7 (18/30)	UPS	PCM	Model:VGD-700	1		MHS Educational Service Area 2
420	12/30/2009	GOV Type 1	B-GOV-02	HW019-82	8-7 (19/30)	UPS	PCM	Model:VGD-700	1		Mae Sariang District Office
421	12/30/2009	GOV Type 1	B-GOV-02	HW019-83	8-7 (20/30)	UPS	PCM	Model:VGD-700	1		Mae Sariang District Office
422	12/30/2009	GOV Type 1	B-GOV-03	HW019-84	8-7 (21/30)	UPS	PCM	Model:VGD-700	1		Mae Sariang Hospital
423	12/30/2009	GOV Type 1	B-GOV-03	HW019-85	8-7 (22/30)	UPS	PCM	Model:VGD-700	1		Mae Sariang Hospital
424	12/30/2009	GOV Type 1	C-GOV-01	HW019-86	8-7 (23/30)	UPS	PCM	Model:VGD-700	1		Pai District Office
425	12/30/2009	GOV Type 1	C-GOV-01	HW019-87	8-7 (24/30)	UPS	PCM	Model:VGD-700	1		Pai District Office
426	12/30/2009	GOV Type 1	C-GOV-02	HW019-88	8-7 (25/30)	UPS	PCM	Model:VGD-700	1		Pai Hospital
427	12/30/2009	GOV Type 1	C-GOV-02	HW019-89	8-7 (26/30)	UPS	PCM	Model:VGD-700	1		Pai Hospital
428	12/30/2009	GOV Type 1	C-GOV-03	HW019-90	8-7 (27/30)	UPS	PCM	Model:VGD-700	1		Pai Municipality
429	12/30/2009	GOV Type 1	C-GOV-03	HW019-91	8-7 (28/30)	UPS	PCM	Model:VGD-700	1		Pai Municipality
430	12/30/2009	GOV Type 1	D-GOV-01	HW019-92	8-7 (29/30)	UPS	PCM	Model:VGD-700	1		NECTEC Gov. Simulation
431	12/30/2009	GOV Type 1	D-GOV-01	HW019-93	8-7 (30/30)	UPS	PCM	Model:VGD-700	1		NECTEC Gov. Simulation
432	12/30/2009	GOV Type 1	A-GOV-01	HW024	8-8 (1/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Mae Hong Son Provincial Governor's Office
433	12/30/2009	GOV Type 1	A-GOV-02	HW024	8-8 (2/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Provincial Public Health Office
434	12/30/2009	GOV Type 1	A-GOV-03	HW024	8-8 (3/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Srisungwan Hospital
435	12/30/2009	GOV Type 1	A-GOV-04	HW024	8-8 (4/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Disaster Prevention and Mitigation Office
436	12/30/2009	GOV Type 1	A-GOV-05	HW024	8-8 (5/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		MHS Educational Service Area 1
437	12/30/2009	GOV Type 1	A-GOV-06	HW024	8-8 (6/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		MHS Provincial Police Station
438	12/30/2009	GOV Type 1	A-GOV-07	HW024	8-8 (7/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		MHS Drug Dependence Treatment Center
439	12/30/2009	GOV Type 1	A-GOV-08	HW024	8-8 (8/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		MHS Municipality
440	12/30/2009	GOV Type 1	B-GOV-01	HW024	8-8 (9/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		MHS Educational Service Area 2
441	12/30/2009	GOV Type 1	B-GOV-02	HW024	8-8 (10/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Mae Sariang District Office
442	12/30/2009	GOV Type 1	B-GOV-03	HW024	8-8 (11/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Mae Sariang Hospital
443	12/30/2009	GOV Type 1	C-GOV-01	HW024	8-8 (12/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Pai District Office
444	12/30/2009	GOV Type 1	C-GOV-02	HW024	8-8 (13/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Pai Hospital
445	12/30/2009	GOV Type 1	C-GOV-03	HW024	8-8 (14/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Pai Municipality
446	12/30/2009	GOV Type 1	D-GOV-01	HW024	8-8 (15/15)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		NECTEC Gov. Simulation
447	12/30/2009	GOV Type 1	A-GOV-01	HW004-1	8-9 (1/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1	QUA9AUT000146	Mae Hong Son Provincial Governor's Office
448	12/30/2009	GOV Type 1	A-GOV-01	HW004-2	8-9 (2/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1	QUA9AUT000104	Mae Hong Son Provincial Governor's Office
449	12/30/2009	GOV Type 1	A-GOV-02	HW004-3	8-9 (3/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Provincial Public Health Office
450	12/30/2009	GOV Type 1	A-GOV-02	HW004-4	8-9 (4/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Provincial Public Health Office
451	12/30/2009	GOV Type 1	A-GOV-03	HW004-5	8-9 (5/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Srisungwan Hospital
452	12/30/2009	GOV Type 1	A-GOV-03	HW004-6	8-9 (6/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Srisungwan Hospital
453	12/30/2009	GOV Type 1	A-GOV-04	HW004-7	8-9 (7/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Disaster Prevention and Mitigation Office
454	12/30/2009	GOV Type 1	A-GOV-04	HW004-8	8-9 (8/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Disaster Prevention and Mitigation Office
455	12/30/2009	GOV Type 1	A-GOV-05	HW004-9	8-9 (9/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Educational Service Area 1
456	12/30/2009	GOV Type 1	A-GOV-05	HW004-10	8-9 (10/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Educational Service Area 1
457	12/30/2009	GOV Type 1	A-GOV-06	HW004-11	8-9 (11/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Provincial Police Station
458	12/30/2009	GOV Type 1	A-GOV-06	HW004-12	8-9 (12/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Provincial Police Station

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quantity	S/N	Site Name (Eng)
459	12/30/2009	GOV Type 1	A-GOV-07	HW004-13	8-9 (13/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Drug Dependence Treatment Center
460	12/30/2009	GOV Type 1	A-GOV-07	HW004-14	8-9 (14/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Drug Dependence Treatment Center
461	12/30/2009	GOV Type 1	A-GOV-08	HW004-15	8-9 (15/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Municipality
462	12/30/2009	GOV Type 1	A-GOV-08	HW004-16	8-9 (16/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Municipality
463	12/30/2009	GOV Type 1	B-GOV-01	HW004-17	8-9 (17/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Educational Service Area 2
464	12/30/2009	GOV Type 1	B-GOV-01	HW004-18	8-9 (18/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		MHS Educational Service Area 2
465	12/30/2009	GOV Type 1	B-GOV-02	HW004-19	8-9 (19/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Mae Sariang District Office
466	12/30/2009	GOV Type 1	B-GOV-02	HW004-20	8-9 (20/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Mae Sariang District Office
467	12/30/2009	GOV Type 1	B-GOV-03	HW004-21	8-9 (21/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Mae Sariang Hospital
468	12/30/2009	GOV Type 1	B-GOV-03	HW004-22	8-9 (22/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Mae Sariang Hospital
469	12/30/2009	GOV Type 1	C-GOV-01	HW004-23	8-9 (23/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Pai District Office
470	12/30/2009	GOV Type 1	C-GOV-01	HW004-24	8-9 (24/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Pai District Office
471	12/30/2009	GOV Type 1	C-GOV-02	HW004-25	8-9 (25/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Pai Hospital
472	12/30/2009	GOV Type 1	C-GOV-02	HW004-26	8-9 (26/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Pai Hospital
473	12/30/2009	GOV Type 1	C-GOV-03	HW004-27	8-9 (27/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Pai Municipality
474	12/30/2009	GOV Type 1	C-GOV-03	HW004-28	8-9 (28/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		Pai Municipality
475	12/30/2009	GOV Type 1	D-GOV-01	HW004-29	8-9 (29/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		NECTEC Gov. Simulation
476	12/30/2009	GOV Type 1	D-GOV-01	HW004-30	8-9 (30/30)	WiMAX Modem USB	Alvarion	Model:4M-CPE-USB-2.5	1		NECTEC Gov. Simulation
477	12/30/2009	COM Type 1	A-COM-01	HW003-38	9-1 (1/4)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		LICT Chankalay
478	12/30/2009	COM Type 1	A-COM-02	HW003-39	9-1 (2/4)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		MHS Public library
479	12/30/2009	COM Type 1	B-COM-01	HW003-40	9-1 (3/4)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Mae Sariang Public Library
480	12/30/2009	COM Type 1	C-COM-01	HW003-41	9-1 (4/4)	WiMAX CPE	Alvarion	Model:BreezeMax PRO-S	1		Mae Hee Village - Multi-Purpose Pavilion
481	12/30/2009	COM Type 1	A-COM-01	HW014-50	9-2 (1/4)	Switching Hub L2	D-Link	Model:DGS-3426P	1		LICT Chankalay
482	12/30/2009	COM Type 1	A-COM-02	HW014-51	9-2 (2/4)	Switching Hub L2	D-Link	Model:DGS-3426P	1		MHS Public library
483	12/30/2009	COM Type 1	B-COM-01	HW014-52	9-2 (3/4)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Mae Sariang Public Library
484	12/30/2009	COM Type 1	C-COM-01	HW014-53	9-2 (4/4)	Switching Hub L2	D-Link	Model:DGS-3426P	1		Mae Hee Village - Multi-Purpose Pavilion
485	12/30/2009	COM Type 1	A-COM-01	HW011-44	9-3 (1/4)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRB	LICT Chankalay
486	12/30/2009	COM Type 1	A-COM-02	HW011-45	9-3 (2/4)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRW	MHS Public library
487	12/30/2009	COM Type 1	B-COM-01	HW011-46	9-3 (3/4)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRQ	Mae Sariang Public Library
488	12/30/2009	COM Type 1	C-COM-01	HW011-47	9-3 (4/4)	Computer Desktop Server	HP	Model:DX7510MT, Display Monitor, LinuxSIS	1	SGH945PHRF	Mae Hee Village - Multi-Purpose Pavilion
489	12/30/2009	COM Type 1	A-COM-01	HW012-46	9-4 (1/4)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	GX5M32S	LICT Chankalay
490	12/30/2009	COM Type 1	A-COM-02	HW012-47	9-4 (2/4)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	6J9D32S	MHS Public library
491	12/30/2009	COM Type 1	B-COM-01	HW012-48	9-4 (3/4)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	DJ9D32S	Mae Sariang Public Library
492	12/30/2009	COM Type 1	C-COM-01	HW012-49	9-4 (4/4)	Computer Desktop	DELL	Model:VOSTRO-220S, WindowsXP, Kaspersky, WellTech Web camera, Display Monitor, Logitech Mic & Speaker	1	2SDK32S	Mae Hee Village - Multi-Purpose Pavilion
493	12/30/2009	COM Type 1	A-COM-01	HW021-46	9-5 (1/4)	VoIP Telephone	WellTech	Model:LP-201	1		LICT Chankalay
494	12/30/2009	COM Type 1	A-COM-02	HW021-47	9-5 (2/4)	VoIP Telephone	WellTech	Model:LP-201	1		MHS Public library
495	12/30/2009	COM Type 1	B-COM-01	HW021-48	9-5 (3/4)	VoIP Telephone	WellTech	Model:LP-201	1		Mae Sariang Public Library
496	12/30/2009	COM Type 1	C-COM-01	HW021-49	9-5 (4/4)	VoIP Telephone	WellTech	Model:LP-201	1		Mae Hee Village - Multi-Purpose Pavilion
497	12/30/2009	COM Type 1	A-COM-01	HW007-45	9-6 (1/4)	Wi-Fi Router	D-Link	Model:DIR-300	1		LICT Chankalay
498	12/30/2009	COM Type 1	A-COM-02	HW007-46	9-6 (2/4)	Wi-Fi Router	D-Link	Model:DIR-300	1		MHS Public library
499	12/30/2009	COM Type 1	B-COM-01	HW007-47	9-6 (3/4)	Wi-Fi Router	D-Link	Model:DIR-300	1		Mae Sariang Public Library
500	12/30/2009	COM Type 1	C-COM-01	HW007-48	9-6 (4/4)	Wi-Fi Router	D-Link	Model:DIR-300	1		Mae Hee Village - Multi-Purpose Pavilion

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Origin of Quant. Inv.	S/N	Site Name (Eng)
501	12/30/2009	COM Type 1	A-COM-01	HW019-94	9-7 (1/8)	UPS	PCM	Model:VGD-700	1		LICT Chankalay
502	12/30/2009	COM Type 1	A-COM-01	HW019-95	9-7 (2/8)	UPS	PCM	Model:VGD-700	1		LICT Chankalay
503	12/30/2009	COM Type 1	A-COM-02	HW019-96	9-7 (3/8)	UPS	PCM	Model:VGD-700	1		MHS Public library
504	12/30/2009	COM Type 1	A-COM-02	HW019-97	9-7 (4/8)	UPS	PCM	Model:VGD-700	1		MHS Public library
505	12/30/2009	COM Type 1	B-COM-01	HW019-98	9-7 (5/8)	UPS	PCM	Model:VGD-700	1		Mae Sariang Public Library
506	12/30/2009	COM Type 1	B-COM-01	HW019-99	9-7 (6/8)	UPS	PCM	Model:VGD-700	1		Mae Sariang Public Library
507	12/30/2009	COM Type 1	C-COM-01	HW019-100	9-7 (7/8)	UPS	PCM	Model:VGD-700	1		Mae Hee Village - Multi-Purpose Pavilion
508	12/30/2009	COM Type 1	C-COM-01	HW019-101	9-7 (8/8)	UPS	PCM	Model:VGD-700	1		Mae Hee Village - Multi-Purpose Pavilion
509	12/30/2009	COM Type 1	A-COM-01	HW024	9-8 (1/4)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		LICT Chankalay
510	12/30/2009	COM Type 1	A-COM-02	HW024	9-8 (2/4)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		MHS Public library
511	12/30/2009	COM Type 1	B-COM-01	HW024	9-8 (3/4)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Mae Sariang Public Library
512	12/30/2009	COM Type 1	C-COM-01	HW024	9-8 (4/4)	LAN Cable set	Kansai Densen	Model:NIL LAN cable set (100 rolled)	1		Mae Hee Village - Multi-Purpose Pavilion
513	12/30/2009	TEST	D-CORE-01	HW013-1	10-1 (1/5)	Notebook	DELL/Alvarion	Model:Vostro 1520, WiMAX USB	1	414N3L1	NECTEC Core
514	12/30/2009	TEST	D-CORE-01	HW013-2	10-1 (2/5)	Notebook	DELL/Alvarion	Model:Vostro 1520, WiMAX USB	1	223N3L1	NECTEC Core
515	12/30/2009	TEST	D-CORE-01	HW013-3	10-1 (3/5)	Notebook	DELL/Alvarion	Model:Vostro 1520, WiMAX USB	1	522N3L1	NECTEC Core
516	12/30/2009	TEST	D-CORE-01	HW013-4	10-1 (4/5)	Notebook	DELL/Alvarion	Model:Vostro 1520, WiMAX USB	1	822N3L1	NECTEC Core
517	12/30/2009	TEST	D-CORE-01	HW013-5	10-1 (5/5)	Notebook	DELL/Alvarion	Model:Vostro 1520, WiMAX USB	1	103N3L1	NECTEC Core
518	12/30/2009	TEST	D-CORE-01	HW025-1	10-2	Spectrum Analyzer	Anritsu	Model:MT3222A	1		NECTEC Core
519	12/30/2009	TEST	D-CORE-01	HW026-1	10-3	RF Generator	Anritsu	Model:MG3700A	1		NECTEC Core
520	12/30/2009	TEST	D-CORE-01	SW001-1	10-4	RF Planning Software	Forsk	Model:Atoll WiMAX	1		NECTEC Core
521	12/30/2009	TEST	D-CORE-01	SW002-1	10-5	Performance Testing Software	Ixia	IXChariot Performance Testing (50 license)	1		NECTEC Core
522	12/30/2009	TEST	D-CORE-01	HW027-1	10-6 (1/2)	GPS	Garmin	Model:Rino 530HCX	1		NECTEC Core
523	12/30/2009	TEST	D-CORE-01	HW027-2	10-6 (2/2)	GPS	Garmin	Model:Rino 530HCX	1		NECTEC Core
524	12/30/2009	SCH Type 1	A-SCH-01	HW029-1	6-3 (1/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2J2	Hong Son Suksa School
525	12/30/2009	SCH Type 1	A-SCH-02	HW029-2	6-3 (2/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q902	Anuban MHS School
526	12/30/2009	SCH Type 1	A-SCH-03	HW029-3	6-3 (3/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8Z2	Baan Sop Pong School
527	12/30/2009	SCH Type 1	A-SCH-04	HW029-4	6-3 (4/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8Z0	Baan Mai School
528	12/30/2009	SCH Type 1	A-SCH-05	HW029-5	6-3 (5/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2N4	Baan Joring Kum School
529	12/30/2009	SCH Type 1	A-SCH-06	HW029-6	6-3 (6/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2NF	Muang MHS Municipal School
530	12/30/2009	SCH Type 1	A-SCH-07	HW029-7	6-3 (7/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q97V	Nawamin Vocational College
531	12/30/2009	SCH Type 1	B-SCH-01	HW029-8	6-3 (8/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3KK	Mae Sariang (Boripat Suksa) School
532	12/30/2009	SCH Type 1	B-SCH-02	HW029-9	6-3 (9/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2NL	Tongsawat Wittayakarn
533	12/30/2009	SCH Type 1	B-SCH-03	HW029-10	6-3 (10/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3HJ	Anuban Mae Sariang (Baan Pong) School
534	12/30/2009	SCH Type 1	B-SCH-04	HW029-11	6-3 (11/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q97Z	193th Baan Jom Jang Mitraparb
535	12/30/2009	SCH Type 1	B-SCH-05	HW029-12	6-3 (12/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2Y0	Theirath Vittaya 33 (Baan Tung Prao)
536	12/30/2009	SCH Type 1	B-SCH-06	HW029-13	6-3 (13/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2SL	Baanrai Vittaya
537	12/30/2009	SCH Type 1	B-SCH-07	HW029-14	6-3 (14/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2HZ	Mae Sariang Vocational School
538	12/30/2009	SCH Type 1	B-SCH-08	HW029-15	6-3 (15/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3KP	Baan Huay Sai School

List of Equipment Provided by Japanese Side (WiMAX List ALL)

The project of human resource development through utilizing the information technology for rural community vitalization

Batch 1 and Batch 2

Updated: 27 February 2010

No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quantity	S/N	Site Name (Eng)
539	12/30/2009	SCH Type 1	B-SCH-09	HW029-16	6-3 (16/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q97Q	Baan Nam Dip Community School
540	12/30/2009	SCH Type 1	B-SCH-10	HW029-17	6-3 (17/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2H9	Baan Sri Moon Muang School
541	12/30/2009	SCH Type 1	C-SCH-01	HW029-18	6-3 (18/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3H8	Pai Vittayakarn School
542	12/30/2009	SCH Type 1	C-SCH-02	HW029-19	6-3 (19/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8Z8	Anuban Pai School
543	12/30/2009	SCH Type 1	C-SCH-03	HW029-20	6-3 (20/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2N7	Baan Mae Hee Community School
544	12/30/2009	SCH Type 1	C-SCH-04	HW029-21	6-3 (21/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2SH	Baan Wiang Nua School
545	12/30/2009	SCH Type 1	D-SCH-01	HW029-22	6-3 (22/22)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q976	NECTEC School Simulation
546	12/30/2009	SCH Type 2	A-SCH-08	HW029-23	7-3 (1/6)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q98D	Suksa Song Kro School
547	12/30/2009	SCH Type 2	A-SCH-09	HW029-24	7-3 (2/6)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2J1	Khun Gyuam Vitaya school
548	12/30/2009	SCH Type 2	B-SCH-11	HW029-25	7-3 (3/6)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8XL	Maelanoi Daroonsik school
549	12/30/2009	SCH Type 2	B-SCH-12	HW029-26	7-3 (4/6)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3HL	Rajaprajanukroh 21 school
550	12/30/2009	SCH Type 2	C-SCH-05	HW029-27	7-3 (5/6)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8YW	Rajaprajanukroh 22 school
551	12/30/2009	SCH Type 2	C-SCH-06	HW029-28	7-3 (6/6)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q97W	Rajaprajanukroh 34 school
552	12/30/2009	GOV Type 1	A-GOV-01	HW029-29	8-3 (1/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2NW	Mae Hong Son Provincial Governor's Office
553	12/30/2009	GOV Type 1	A-GOV-02	HW029-30	8-3 (2/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3QB	Provincial Public Health Office
554	12/30/2009	GOV Type 1	A-GOV-03	HW029-31	8-3 (3/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2P0	Srisungwan Hospital
555	12/30/2009	GOV Type 1	A-GOV-04	HW029-32	8-3 (4/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2PL	Disaster Prevention and Mitigation Office
556	12/30/2009	GOV Type 1	A-GOV-05	HW029-33	8-3 (5/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2HP	MHS Educational Service Area 1
557	12/30/2009	GOV Type 1	A-GOV-06	HW029-34	8-3 (6/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3H7	MHS Provincial Police Station
558	12/30/2009	GOV Type 1	A-GOV-07	HW029-35	8-3 (7/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8ZC	MHS Drug Dependence Treatment Center
559	12/30/2009	GOV Type 1	A-GOV-08	HW029-36	8-3 (8/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q973	MHS Municipality
560	12/30/2009	GOV Type 1	B-GOV-01	HW029-37	8-3 (9/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q974	MHS Educational Service Area 2
561	12/30/2009	GOV Type 1	B-GOV-02	HW029-38	8-3 (10/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8YJ	Mae Sariang District Office
562	12/30/2009	GOV Type 1	B-GOV-03	HW029-39	8-3 (11/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3HP	Mae Sariang Hospital
563	12/30/2009	GOV Type 1	C-GOV-01	HW029-40	8-3 (12/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q2J5	Pai District Office
564	12/30/2009	GOV Type 1	C-GOV-02	HW029-41	8-3 (13/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8YQ	Pai Hospital
565	12/30/2009	GOV Type 1	C-GOV-03	HW029-42	8-3 (14/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8ZK	Pai Municipality

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No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Origin of Quantity	S/N	Site Name (Eng)
566	12/30/2009	GOV Type 1	D-GOV-01	HW029-43	8-3 (15/15)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q8YL	NECTEC Gov. Simulation
567	12/30/2009	COM Type 1	A-COM-01	HW029-44	9-3 (1/4)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q986	LICT Chankalay
568	12/30/2009	COM Type 1	A-COM-02	HW029-45	9-3 (2/4)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3HH	MHS Public library
569	12/30/2009	COM Type 1	B-COM-01	HW029-46	9-3 (3/4)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3H6	Mae Sariang Public Library
570	12/30/2009	COM Type 1	C-COM-01	HW029-47	9-3 (4/4)	Monitor of Computer Desktop Server	HP	Model:L1710 Display Monitor	1	CNC929Q3KR	Mae Hee Village - Multi-Purpose Pavilion
571	12/30/2009	CORE Type 1	A-CORE-01	HW030-1	4-17	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DGU	MHS Community College
572	12/30/2009	CORE Type 2	D-CORE-01	HW030-2	5-14	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1C8C	NECTEC Core
573	12/30/2009	SCH Type 1	A-SCH-01	HW030-3	6-4 (1/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1BUC	Horig Sen Suksa School
574	12/30/2009	SCH Type 1	A-SCH-02	HW030-4	6-4 (2/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DLU	Anuban MHS School
575	12/30/2009	SCH Type 1	A-SCH-03	HW030-5	6-4 (3/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0CUU	Baan Sop Pong School
576	12/30/2009	SCH Type 1	A-SCH-04	HW030-6	6-4 (4/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DQU	Baan Mai School
577	12/30/2009	SCH Type 1	A-SCH-05	HW030-7	6-4 (5/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DCU	Baan Jong Kum School
578	12/30/2009	SCH Type 1	A-SCH-06	HW030-8	6-4 (6/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1C7C	Muang MHS Municipal School
579	12/30/2009	SCH Type 1	A-SCH-07	HW030-9	6-4 (7/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1C3C	Nawamin Vocational College
580	12/30/2009	SCH Type 1	B-SCH-01	HW030-10	6-4 (8/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1BVC	Mae Sariang (Boripat Suksa) School
581	12/30/2009	SCH Type 1	B-SCH-02	HW030-11	6-4 (9/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1BWC	Tongsawat Vittayakarn
582	12/30/2009	SCH Type 1	B-SCH-03	HW030-12	6-4 (10/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-0YNC	Anuban Mae Sariang (Baan Pong) School
583	12/30/2009	SCH Type 1	B-SCH-04	HW030-13	6-4 (11/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0EVU	193th Baan Jom Jang Mittraparb
584	12/30/2009	SCH Type 1	B-SCH-05	HW030-14	6-4 (12/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1BXC	Thairath Vittaya 33 (Baan Tung Prao)
585	12/30/2009	SCH Type 1	B-SCH-06	HW030-15	6-4 (13/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1CMC	Baanrai Vittaya
586	12/30/2009	SCH Type 1	B-SCH-07	HW030-16	6-4 (14/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1C0C	Mae Sariang Vocational School
587	12/30/2009	SCH Type 1	B-SCH-08	HW030-17	6-4 (15/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1CFC	Baan Huay Sai School
588	12/30/2009	SCH Type 1	B-SCH-09	HW030-18	6-4 (16/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9B5-1BYC	Baan Nam Dip Community School
589	12/30/2009	SCH Type 1	B-SCH-10	HW030-19	6-4 (17/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DHU	Baan Sri Moon Muang School
590	12/30/2009	SCH Type 1	C-SCH-01	HW030-20	6-4 (18/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DJU	Pai Vittayakarn School
591	12/30/2009	SCH Type 1	C-SCH-02	HW030-21	6-4 (19/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DBU	Anuban Pai School
592	12/30/2009	SCH Type 1	C-SCH-03	HW030-22	6-4 (20/22)	Monitor of Computer Desktop	DELL	Model:CD13P Display Monitor	1	CN-0M875N-64180-9AE-0DFU	Baan Mae Hee Community School

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Updated: 27 February 2010

No.	Date Registered	Installation Model Type Code	Site Code	Equipment ID	JICA Equipment List No.	Name of Equipment	Manufacturer	Specification	Original Quantity	S/N	Site Name (Eng)
593	12/30/2009	SCH Type 1	C-SCH-04	HW030-23	6-4 (21/22)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0EXU	Baan Wiang Nua School
594	12/30/2009	SCH Type 1	D-SCH-01	HW030-24	6-4 (22/22)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0D4U	NECTEC School Simulation
595	12/30/2009	SCH Type 2	A-SCH-08	HW030-25	7-4 (1/6)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0DPU	Suksa Song Kro School
596	12/30/2009	SCH Type 2	A-SCH-09	HW030-26	7-4 (2/6)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0DMU	Khun Gyum Vitaya school
597	12/30/2009	SCH Type 2	B-SCH-11	HW030-27	7-4 (3/6)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-1CKC	Maelanoi Daroonsik school
598	12/30/2009	SCH Type 2	B-SCH-12	HW030-28	7-4 (4/6)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-0MUC	Rajapranukroh 21 school
599	12/30/2009	SCH Type 2	C-SCH-05	HW030-29	7-4 (5/6)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-1CTC	Rajapranukroh 22 school
600	12/30/2009	SCH Type 2	C-SCH-06	HW030-30	7-4 (6/6)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-0MTC	Rajapranukroh 34 school
601	12/30/2009	GOV Type 1	A-GOV-01	HW030-31	8-4 (1/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-DNXC	Mae Hong Son Provincial Governor's Office
602	12/30/2009	GOV Type 1	A-GOV-02	HW030-32	8-4 (2/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-DSSC	Provincial Public Health Office
603	12/30/2009	GOV Type 1	A-GOV-03	HW030-33	8-4 (3/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-0MXC	Srisungwan Hospital
604	12/30/2009	GOV Type 1	A-GOV-04	HW030-34	8-4 (4/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0DMU	Disaster Prevention and Mitigation Office
605	12/30/2009	GOV Type 1	A-GOV-05	HW030-35	8-4 (5/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0CMU	MHS Educational Service Area 1
606	12/30/2009	GOV Type 1	A-GOV-06	HW030-36	8-4 (6/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0ETU	MHS Provincial Police Station
607	12/30/2009	GOV Type 1	A-GOV-07	HW030-37	8-4 (7/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-1C5C	MHS Drug Dependence Treatment Center
608	12/30/2009	GOV Type 1	A-GOV-08	HW030-38	8-4 (8/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-DPDC	MHS Municipality
609	12/30/2009	GOV Type 1	B-GOV-01	HW030-39	8-4 (9/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-1C6C	MHS Educational Service Area 2
610	12/30/2009	GOV Type 1	B-GOV-02	HW030-40	8-4 (10/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0CTU	Mae Sariang District Office
611	12/30/2009	GOV Type 1	B-GOV-03	HW030-41	8-4 (11/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0DDU	Mae Sariang Hospital
612	12/30/2009	GOV Type 1	C-GOV-01	HW030-42	8-4 (12/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-DP2C	Pai District Office
613	12/30/2009	GOV Type 1	C-GOV-02	HW030-43	8-4 (13/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-DNYC	Pai Hospital
614	12/30/2009	GOV Type 1	C-GOV-03	HW030-44	8-4 (14/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-DNWC	Pai Municipality
615	12/30/2009	GOV Type 1	D-GOV-01	HW030-45	8-4 (15/15)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-DRUC	NECTEC Gov. Simulation
616	12/30/2009	COM Type 1	A-COM-01	HW030-46	9-4 (1/4)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0DEU	LICT Chankalay
617	12/30/2009	COM Type 1	A-COM-02	HW030-47	9-4 (2/4)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9B5-1CHC	MHS Public library
618	12/30/2009	COM Type 1	B-COM-01	HW030-48	9-4 (3/4)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-9AE-0CVU	Mae Sariang Public Library
619	12/30/2009	COM Type 1	C-COM-01	HW030-49	9-4 (4/4)	Monitor of Computer Desktop	DELL	Model:C013P Display Monitor	1	CN-0M875N-64180-99P-C3RC	Mae Hee Village - Multi-Purpose Pavilion

Budget Secured by Japanese Side

(Unit: 1000 Yen)

Breakdown	2009	2010	2011	2012	Total
Japanese Experts	106,280	147,306	0	28,176	281,762
Equipment	237,399	47,691	1,666		286,756
Training in Japan	0	2,177	0		2,177
Japanese Project Consultation Team	0	0	3,359		3,359
Total	343,679	197,174	5,025	0	574,054

(Note: Japanese Fiscal Year)

Dr. A.

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Budget secured by Thai Side (NECTEC)

(Unit: Baht)

	2009	2010	2011	2012	Total
Infrastructure cost	--	700,000	1,300,000	500,000	
<ul style="list-style-type: none"> • Backbone • Tower Rental • Electricity • Electricity line construction 					
Operation Cost	460,000	500,000	400,000	300,000	
<ul style="list-style-type: none"> • Travel expense • Training • System Operation • Others 					
Equipment cost	--	300,000	100,000	--	
Human Resource	1,430,000	3,556,000	3,574,000	1,542,500	
Total	1,890,000	5,056,000	5,274,000	2,342,500	14,562,500

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Mr O

List of C/P Allocation

Project of Human Resource Development through Utilizing the Information Technology
for Rural Community Vitalization

Name	Position	Period
Dr. Pansak Siriuchatapong	Project Director	26 th April 2009 – 10 th March 2012
Dr. Kwan Sitathani	Project Advisor/Steering Committee	26 th April 2009 – 10 th March 2012
Dr. Siwaruk Siwamogsatham	Project Manager	26 th April 2009 – 10 th March 2012
Ms. Kullapraya Navanugraha	Project Management Office	26 th April 2009 – 10 th March 2012
Dr. Kitti Wongthavarawat	Project Co-manager / WiFi, WiMAX research member	26 th April 2009 – 10 th March 2012
Mr. Kitiwat Limmongkol	WiFi, WiMAX research member	26 th April 2009 – 10 th March 2012
Mr. Jesada. Pholcharoen	WiFi, WiMAX research member	26 th April 2009 – 10 th March 2012
Mr. Jedsada Thongkanluang	WiFi, WiMAX research member	26 th April 2009 – 10 th March 2012
Ms. Piranya Sathienpattanakul	WiFi, WiMAX research member	September 2011 – 10 th March 2012
Mr. Worawath Pattanachotgul	WiFi, WiMAX research member	September 2011 – 10 th March 2012
Mr. Kridakorn Hiranpruek	WiFi, WiMAX research member	26 th April 2009 – September 2009
Mr. Songrit Srilasak	WiFi, WiMAX research member	26 th April 2009 – May 2010
Mr. Komate Jarasjindarat	WiFi, WiMAX research member	November 2010 – July 2011
Mr. Matanee Kitjaroen	Technical Staff	October 2009 – September 2010
Dr. Supakorn Siddhichai	Application research member	26 th April 2009 – 10 th March 2012
Mr. Pornchai Tummarattanaont	Application research member	26 th April 2009 – 10 th March 2012

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Dr. Kamol Kaemarungs	Human Resource Development member	26 th April 2009 – September 2009
Ms. Methinee Sirikrai	Human Resource Development member	September 2009-10 th March 2012
Ms. Thansaya Promniyom	Human Resource Development member	September 2009-10 th March 2012
Dr. Kasitorn Pooparadai	Social impact survey member	26 th April 2009 – 10 th March 2012
Dr. Chalee Vorakulpipat	Social impact survey member	26 th April 2009 – 10 th March 2012
Ms. Pimchatra Jamchudjai	Social impact survey member	26 th April 2009 – Sep 2009
Ms. Apinya Kamolsook	Social impact survey member	26 th April 2009 – Sep 2009
Ms. Kasama Kongsmak	Social impact survey member	October 2010–10 th March 2012
Ms. Jeeranund Doangkum	Social impact survey member	October 2010–10 th March 2012
Mr. Suchon Chati	MHS Technical Local Support	May 2010 – 10 th March 2012
Mr. Bundit Niludomsak	MHS Local Coordinator	26 th April 2009 – 10 th March 2012
See MHS C/P list	School teachers as trainer from MHS	26 th April 2009 – 10 th March 2012

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List of Equipment Provided by NECTEC
The project of human resource development through utilizing the information technology for rural community vitalization
Updated:
3 March 2012

No.	Name of Item	Site Code	Place	Brand/Vendor	Procurement
1	Routerboard	Doi Chang BS	MSR	Mikrotik	NECTEC
2	Routerboard	Doi Kong Mu BS	MHS	Mikrotik	NECTEC
3	Routerboard	Mae Yen BS	PAI	Mikrotik	NECTEC
4	Routerboard	A-CORE-01	MHS	Mikrotik	NECTEC
5	Wireless Point-to-Point	A-CORE-01	MHS	Ubiquiti	NECTEC
6	Wireless Point-to-Point	B-Gov-01	MSR	Ubiquiti	NECTEC
7	Battery Pack	Doi Chang BS	MSR	N/A	NECTEC
8	Battery Pack	Doi Kong Mu BS	MHS	N/A	NECTEC
9	Battery Pack	Mae Yen BS	PAI	N/A	NECTEC
10	Battery Pack	A-CORE-01	MHS	N/A	NECTEC
11	Fiber Media Convertor	Doi Chang BS	MSR	N/A	NECTEC
12	Fiber Media Convertor	Doi Kong Mu BS	MHS	N/A	NECTEC
13	Fiber Media Convertor	Mae Yen BS	PAI	N/A	NECTEC
14	Acton AP for IXChariot	Doi Chang BS	MSR	Acton	NECTEC
15	Acton AP for IXChariot	Doi Kong Mu BS	MHS	Acton	NECTEC
16	Acton AP for IXChariot	Mae Yen BS	PAI	Acton	NECTEC

Details of Project Achivement

Annex 10

Project of Human Resource Development through Utilizing
the Information Technology for Rural Community Vitalization

1. Achievement of Outputs (from 26th Apr 2009 – 20th of Feb 2012)

Outputs	Indicators	Progress of Achievement	Note
1. Rural wireless communication model has been developed by NECTEC	1.1. Implementation of Trend Surveys of Wireless Communication technologies at Model site.	<ul style="list-style-type: none"> Baseline, Technology trend and Demand survey was conducted and made a report in May,2009 	
	1.2. Knowledge and Skills acquired by the Trainees who participated to the Technical Training. SEM(Seminar): Training from expert to NECTEC C/P WS(Workshop): Training from NECTEC C/P to MHS sites PT(Practical training): Training from NECTEC C/P to MHS sites that NECTEC C/P proposed in wireless technology area miniWS(mini workshop): Training from NECTEC C/P to MHS sites that NECTEC C/P proposed in application area Training from MHS instructor to MHS sites and users that NECTEC C/P proposed in application area RC(Remote class):	<ul style="list-style-type: none"> Experts have provided 12 seminar to NECTEC C/P <u>Wireless Technology area</u> SEM1_1 How to explain "Basic IP network and wireless technology" SEM1_2 WiMAX system design SEM1_3 System operation and maintenance planning and explanation SEM1_4 IP network SEM1_5 WiMAX system design2 SEM1_6 IP network2 <u>Contents Development area</u> SEM2_1 Learning management system (Seminar for WS2_1) SEM2_2 Contents development using WiMAX SEM2_3 Contents development using Video conference system SEM2_4 Contents development using Mobile phone and new technology SEM3_1 Instructional Design1 for improvement or developed contents SEM3_2 Instructional Design2 for remote class planning <ul style="list-style-type: none"> NECTEC C/P have provided 21 workshop to MHS sites and support 5 workshop by MHS local instructors <u>Wireless Technology area</u> WS1_1(PT3) IP network and basic WiMAX (MSR) WS1_2(PT4) IP network and basic WiMAX (PAI) WS1_3(PT6) IP network and basic WiMAX (MHS) WS1_4(PT8) IP network and basic WiMAX2 (PAI) WS1_5(PT9) IP network and basic WiMAX2 (MSR) WS1_6(PT10) IP network and basic WiMAX2 (MHS)	Training Record

Details of Project Achivement

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	<p>Training from NECTEC C/P to MHS sites using AcuLearn system Training from MHS instructor to MHS sites and users using AcuLearn system</p>	<p>PT1 Basic IP network and wireless technology PT2 System operation and maintenance planning and explanation PT5 Introduction of AcuConference system PT7 Introduction of web-based help desk system</p> <p><u>Contents Development area</u> WS2_1(CDW1) Learning management system(Learn Square) WS2_2(CDW2) How to create e-Learning contents WS2_3(CDW3) Contents development using Video conference system WS2_3a(CDW3a) Follow-up for WS2_3 WS2_4(CDW4) Contents development using Mobile phone and new technology WS2_5(CDW5) Review of the content development techniques for classroom teaching miniWS1 Follow-up for Learn Square miniWS2 Introduction of AcuLearn system miniWS3 Workshop by local trainer: LearnSquare, eDLTV(PAI) miniWS4 Instructor's training for improvement of developed contents(MSR) miniWS5 Workshop by local trainer: Mobile contents(PAI, MSR) miniWS6 Workshop by local trainer: Remote class planning miniWS7 eLearning content development for pilot school will be held in March 2012</p> <p><u>Remote class area</u> RC1 Workshop by local trainer: Microsoft word RC2 Google searching RC3 Workshop by local trainer: Forest fires RC4 Workshop by local trainer: Photoshop RC5 Workshop by teacher of university from Bangkok: Composer RC6 Workshop by teacher of university from Phuket: Undersea</p>	
	<p>1.3. The design of Rural Wireless Community System Model and its parameter identified.</p>	<p>● Experts have provided 13 OJT to NECTEC C/P OJT1 Site survey and tower construction OJT2 IP network design OJT3 PAT FAT OJT4 Test-run plan and implementation</p>	

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	<p>OJT(On the job training): Training from experts to NECTEC C/P on the job</p> <p>VN(Vender training): Training from AcuLearn and WiMAX vender to experts, NECTEC C/P and MHS sites</p>	<p>OJT5 System installation/Unified test OJT6 Data collection OJT7 System profile OJT8 WiMAX system design OJT9 RF generator OJT10 Performance test OJT11 WiMAX simulator OJT12 Spectrum analyzer OJT13 Portable GPS</p> <ul style="list-style-type: none"> Venders have provided 3 seminar to experts, NECTEC C/P and IT administrators and local instructors of MHS sites <p>VN1 AcuLearn system VN2 Core system and client site in MHS VN3 WiMAX system</p>	
	<p>1.4. The Discussions held about feasibility and its usefulness of applications among related organizations.</p>	<ul style="list-style-type: none"> Project have held 3 JCC meeting 1st JCC 17th June 2009 at NECTEC 2nd JCC 25th February 2010 at MHS government office 3rd JCC 16th July 2010 at NECTEC 4th JCC 6th March 2012 at Rama Garden will be held. Project has held 2 PPO meeting with MHS governments and sites 1st PPO 15th December 2010 at MHS government office 2nd PPO 24th May 2011 at MHS government office Project has held several meeting with related organizations. Meeting with NTC(NBTC) 13th July 2010, 18th March 2011, 21st March 2011, 24th August 2011, 9th February 2012 at NTC(NBTC) Meeting with MICT 20th November 2009, 19th April 2011 Meeting with MHS governor 14th December 2011, 25th January 2012 	<p>Meeting minutes</p>
<p>2. Curriculum aimed to vitalize the rural areas will be developed by NECTEC in collaboration with local organizations in the</p>	<p>2-1. Quality and number of Curriculum developed by NECTEC in collaboration with local organizations</p>	<ul style="list-style-type: none"> The number of Curriculum in LMS server is 118. On average, there are 16 good Curriculum every month in LMS server since September 2009 Samples of good curriculum are as follows(Project decide that over 5 access curriculums are good curriculum monthly) 1)หลักการแก้ปัญหาและการโปรแกรม (IT Valley) (Principles of problem 	<p>Development and access list</p>

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Details of Project Achivement

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Kingdom of Thailand.		<p>solving and programming (IT Valley.)</p> <p>2) การใช้โปรแกรม Microsoft Word เบื้องต้น (Introduction to Microsoft Word)</p> <p>3) เทคโนโลยีสารสนเทศและการสื่อสาร 1 (Information and Communication Technology 1.)</p> <p>4) การโปรแกรมภาษาซีชาร์ป(C#) (C# Programming)</p> <p>5) ภาษามือภาษาสมอง (the brain and hand language.)</p>	
	2-2. Number of users who use e-Learning applications	<ul style="list-style-type: none"> ● Number of access users to the main page of the LMS increased from 0 to 2377. ● Number of page views of the LMS increased from 0 to 47483. ● According to impact survey No.6 (page25), Schools expanded their curriculum, including IT curriculum. Teachers and students became more interested in e-Learning and studying IT subjects ● The number of users who attended 6 remote classes using AcuLearn increased from 0 to 240 since November 2009 (Training history) ● The number of users who used AcuConference system for video conferencing increased from 0 to 521 since November 2009 (AcuLearn Log data, Aculearn use history) 	<p>LMS log data</p> <p>Training record</p> <p>AcuLearn log data</p>
	2-3. Quality and number of Contents developed by the users of Curriculum	<ul style="list-style-type: none"> ● The number of contents in LMS server increased from 0 to 781. ● On average there are 19 good Contents every month in LMS server. ● Samples of good contents are as follows(Project decide that over 5 access contents are good contents) <ol style="list-style-type: none"> 1) การโปรแกรมภาษาซีชาร์ป(C# programming) 2) การจัดรูปแบบตัวอักษรโปรแกรมMicrosoft Word (Change font in Microsoft Word) 3) แบบประเมินหลังเรียน (Microsoft Word post test) 4) การสร้างตัวละครเคลื่อนไหวอย่างง่าย (Introduction to Computer animation) 5) บทเรียนภาษาชาวาคูญอ (กะเหรี่ยง) ออนไลน์ (Karen language online learning) 	<p>Development and access list</p>

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2. Progress of Activities (from 26th Apr 2009 – 20th of Feb 2012)

Activities	Progress of Activities
<p>1. Activities for Output1.</p> <p>1-1. <u>To carry out the survey of wireless communication technologies trend at model site.</u></p> <p>1-2. <u>To design and implement the wireless communication system at the model site.</u></p> <p>1-3. <u>To conduct/support WiMAX equipment procurement and to the On the Job Training (OJT)</u></p> <p>1-3-1. To conduct tower and cabinet procurement and the On the Job Training (OJT) for installation. (e.g. tower construction, construction supervision and acceptance).</p> <p>1-3-2. To support WiMAX equipment procurement</p> <p>1-4. <u>To conduct training in Japan.</u></p> <p>1-5. <u>To conduct training to the targeted local users using sample equipment.</u></p> <p>1-6. <u>To test and measure the performance</u></p> <p>1-6-1 Data collection at model sites</p> <p>1-6-2 Performance test at model sites</p>	<p>1-1. The baseline, technology trend and demand survey was held during 18-23 May 2009. A report of these surveys is attached to "Progress Report 2".</p> <p>1-2. Design of wireless communication system at the model site was drawn by JICA experts and C/Ps during May – September 2009 and implemented.</p> <p>1-3-1. Procurement of 2 towers and 3 cabinets and OJT of tower construction, construction supervision and acceptance test were conducted by experts during September – November 2009. Handover of the procurement were completed on 6 November 2009.(OJT1,2,3)</p> <p>1-3-2. Procurement of WiMAX equipment by JICA were supported and OJT of provisional acceptance test (equipment check), installation, test run, unified test, final acceptance test and handover were conducted 29th July 2010.(OJT4,5)</p> <p>1-4. The training in Japan was conducted during 6-15 June 2010.</p> <p>1-5. The training named practical training were held on 22 and 23 August 2009.(PT1)</p> <p>1-6-1. Trial test at model sites, design, verification and analysis were conducted during 1st caravan to 8th caravan. Results of analysis (OJT1-13). Test results were summarized as the data collection result. The result of verification and analysis were reflected to Rural Wireless Communication System (RWCS) model document.</p> <p>1-6-2. The performance test was conducted during 3rd and 5th caravan. Test results were summarized as the performance test result and reflected to Rural Wireless Communication System (RWCS) model document.</p>

Details of Project Achivement

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<p>1-7. <u>To examine and analyze the results of testing and propose an evaluation study report</u></p> <p>1-7-1. To examine and analyze the results of testing of wireless communication system</p> <p>1-7-2. To conduct impact survey about socio-economic status</p> <p>1-7-3. To propose an evaluation study report including impact survey</p> <p>1-8. <u>To hold seminar to share the information about wireless communication system trial test with participants from relevant organizations.</u></p> <p>1-9. <u>To identify and recommend the technical regulations to relevant authorities to be applied for rural wireless communication system.</u></p> <p>1-10. <u>To draft 'The Study Report of Rural Wireless Communication System Development'.</u></p> <p>1-11. <u>To propose the developed rural wireless communication system model to NTC.</u></p> <p>2. Activities for Output2.</p> <p>2-1. <u>To discuss with local school teachers and local authorities of Mae Hong Son Province to develop the curriculums.</u></p> <p>2-2. <u>To collaborate with targeted local users for creating the sample contents for e-Learning.</u></p> <p>2-3. <u>To conduct training for local instructors in Mae Hong Son Province.</u></p>	<p>1-7-1. Trial test, verification and analysis were conducted during 1st caravan to 8th caravan. (OJT1-13) The examination and analysis of the results have been conducted since July 2011 to make RWCS model document.</p> <p>1-7-2. Impact survey at sites has been conducted in August and September 2011. Documentation will be completed in the end of October 2011.</p> <p>1-7-3. The evaluation study report will be made in the beginning of November 2011.</p> <p>1-8. The seminar will be held as a final seminar on 6 March 2012.</p> <p>1-9. Activities will be held during final seminar on 6 March 2012.</p> <p>1-10. The draft was summarized from November 2011 and completed in February 2012.</p> <p>1-11. The model will be proposed in final seminar on 6 March 2012.</p> <p>2-1. The discussion was held during base-line survey trip in May and 1st JCC meeting. The result of the discussion during base- line survey trip was included in base-line survey report.</p> <p>2-2. 33 contents were developed during workshop.(WS2_1-5)</p> <p>2-3. The following 12 trainings were held. (Training history show details)</p>
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<p style="text-align: center;"><u>2-4. To facilitate training for local users by local instructors</u></p>	<p>WS2_1(CDW1) Learning management system(Learn Square) Date: 28-30 October 2009 Place: Mae hong son</p> <p>WS2_2(CDW2) How to create e-Learning contents Date: 18-20 March 2010 Place: Mae hong son</p> <p>WS2_3(CDW3) Contents development using Video conference system Date: 20-21 October 2010 Place: Mae hong son</p> <p>WS2_3a(CDW3a) Follow-up for WS2_3 Date: 8 December 2010 Place: Mae hong son</p> <p>WS2_4(CDW4) Contents development using Mobile phone and new technology Date: 21-23 March 2011 Place: Mae hong son</p> <p>WS2_5(CDW5) Review of the content development techniques for classroom teaching Date: 5-6 February 2012 Place: Mae hong son</p> <p>miniWS1 Follow-up for Learn Square Date: 29-30 May 2010 Place: Mae hong son/ Mae sariang/Pai</p> <p>miniWS2 Introduction of AcuLearn system Date: 30-31 August 2010 Place: Mae hong son/ Mae sariang/Pai</p> <p>miniWS4 Instructor's training for improvement of developed contents Date: 11-12 February 2011 Place: Mae sariang</p> <p>miniWS7 eLearning content development for pilot school Date: 18-19 February 2012 Place: Mae sariang</p> <p>RC2 Google searching Date: 21 June 2011 Place: NECTEC</p> <p>RC5 Workshop by teacher of university from Bangkok: Composer Date: 29 September 2011 Place: NECTEC</p> <p>RC6 Workshop by teacher of university from Phuket: Undersea Date: 15 December 2011 Place: NECTEC</p> <p>2-4. The following 7 trainings were facilitated and 1 training is planned.</p> <p>miniWS3 Workshop by local trainer: LearnSquare, eDLTV(PAI) Date: 26-27 October 2010 Place: Pai</p> <p>miniWS5 Workshop by local trainer: Mobile contents(PAI, MSR) Date: 13,15 June 2011 Place: Mae sariang/Pai</p> <p>miniWS6 Workshop by local trainer: Remote class planning Date: 22-24 July 2011 Place: Mae hong son</p> <p>RC1 Workshop by local trainer: Microsoft word</p>	
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Details of Project Achivement

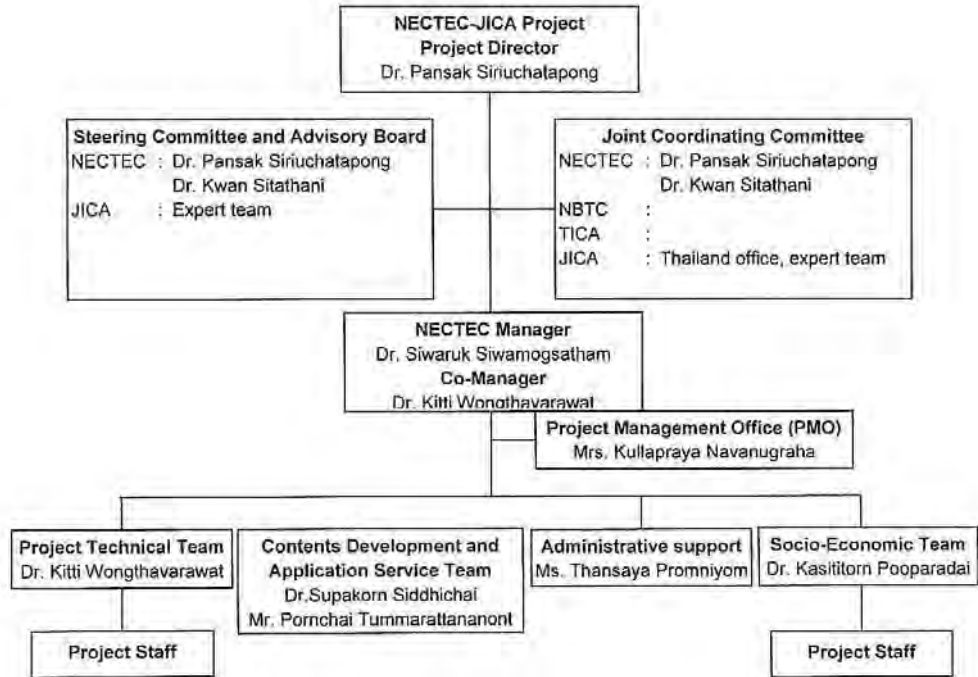
Annex 10

<p>2-5. <u>To conduct the impact survey</u></p> <p>2-6. <u>To share the lessons learned from the Project with other related organizations, and promote the applications</u></p>	<p>Date: 14 June 2011 Place: Mae sariang RC3 Workshop by local trainer: Forest fires Date: 17 August 2011 Place: Mae hong son RC4 Workshop by local trainer: Photoshop Date: 7 September 2011 Place: Mae hong son</p> <p>2-5. Impact survey at sites has been conducted in August and September 2011. Documentation was completed in the end of January 2012.</p> <p>2-6. Working group meeting have been Sharing and promotion of application were included in RWCS model document. The session will be in the seminar planned on 6 March 2012.</p>	
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3. Other activities (from 26th Apr 2009 – 20th of Feb 2012)

(1) PPO (Project promotion office) and WG (Working group)	<ul style="list-style-type: none"> ● Project has held 2 PPO meeting with MHS governments and sites 1st PPO 15th December 2010 at MHS government office 2nd PPO 24th May 2011 at MHS government office ● Several WG meeting (Technical working group and Application usage working group) were held in MHS. 	
(2) System operation	SO guideline, SO caravan, SO meeting, on line help desk system	SO history
(3) Usage promotion	Usage monitoring, Video conference system and remote class promotion, Video conference and remote class management guideline, uninet connection	Guideline, usage traffic monitoring analysis
(4) Project promotion	Project orientation, Project promotional video production, Project web site, Face book, mailing list, radio interview, new paper, IT-valley fair, Princess Sirindorn presided over project opening ceremony in NAC, articles, NSTDA annual conference (NAC 2010 & 2011), Prime Minister Yingluck Shinnawatra video conference with project school via AcuConference	Promotion list Visitor list
(5) Unexpected impact	The case of court in MHS	
(6) Sustainability plan	Sustainability planning, Local coordination for transition	Sustainability plan

Organizational Structure of NECTEC



Mr. OK

**The Project for the Human Resource Development
through Utilizing
the Information Technology for
Rural Community Vitalization in the Kingdom of Thailand**

The Result of Questionnaire Survey for Mae Hong Son Site Administrators

February 2012

Japan International Cooperation Agency

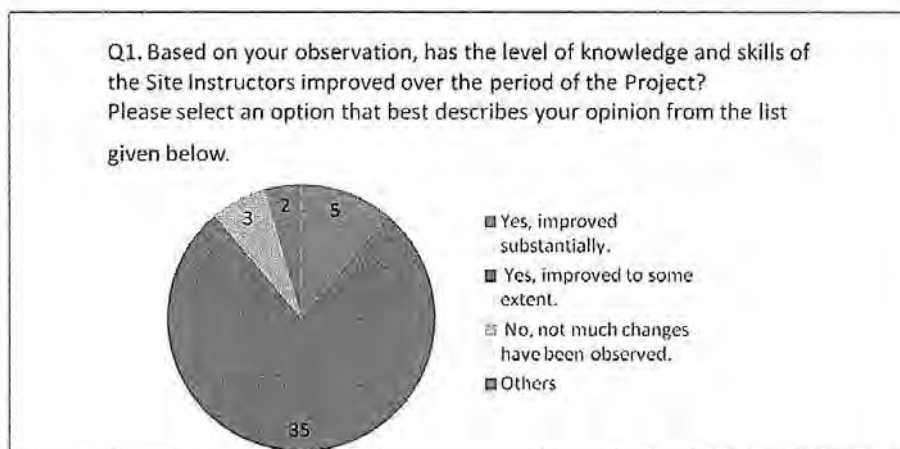
Dr R

1. Objective of the Questionnaire

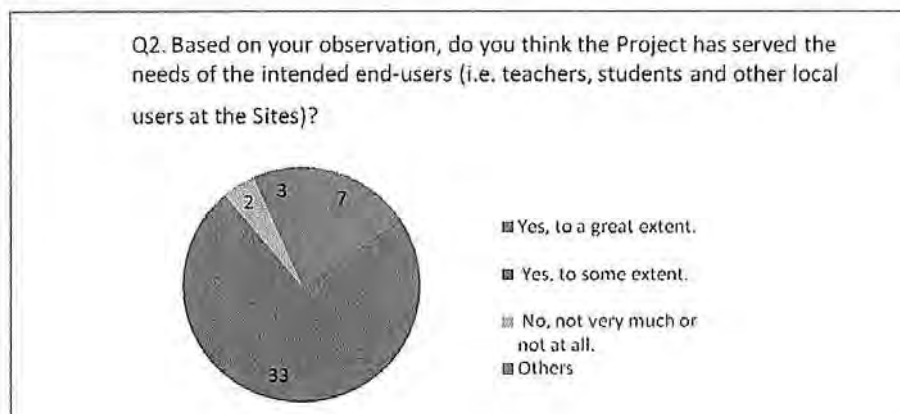
As a part of the terminal evaluation study on the project for the Project for the Human Resource Development through Utilizing the Information Technology for Rural Community Vitalization in the Kingdom of Thailand, the questionnaire survey for administrators of 45 sites in MHS was conducted to grasp the current situation of the project from January to February in 2012. The result of the survey is used for interviews conducted during the site visiting.

2. Result of the Questionnaire

1) Question 1

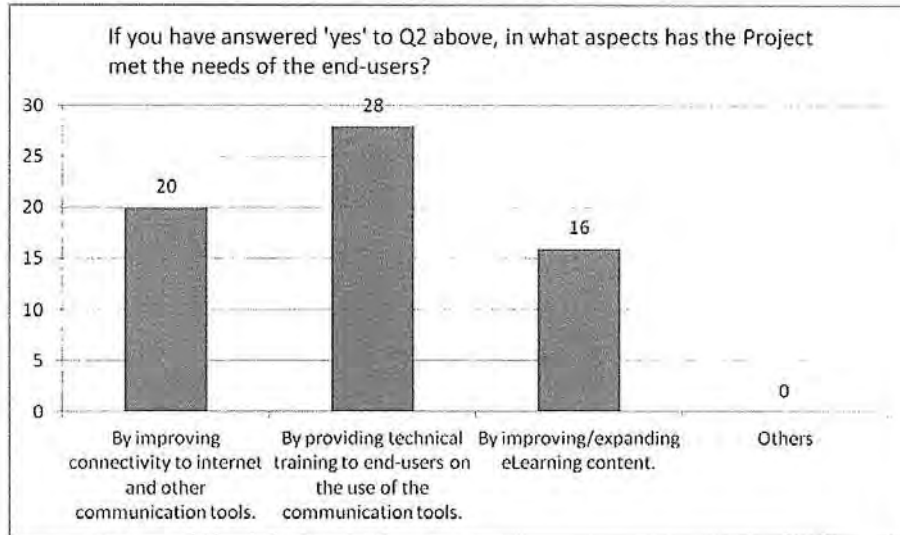


2) Question 2

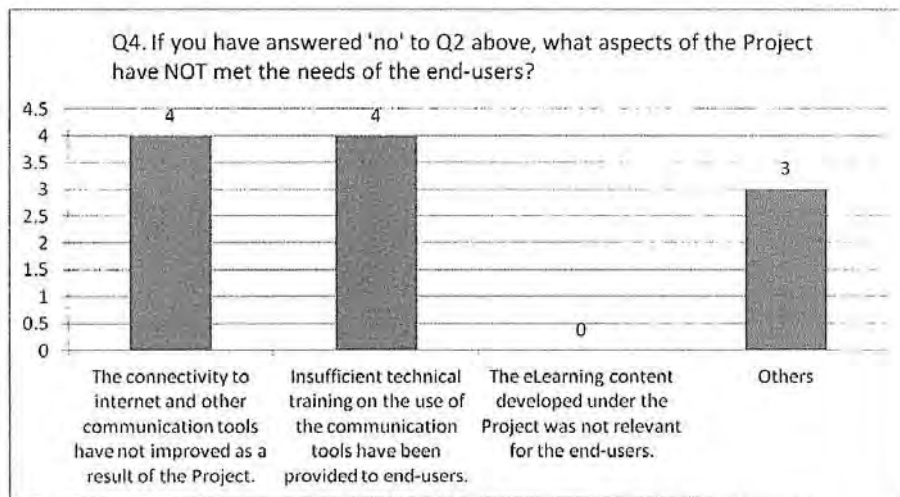


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3) Question 3

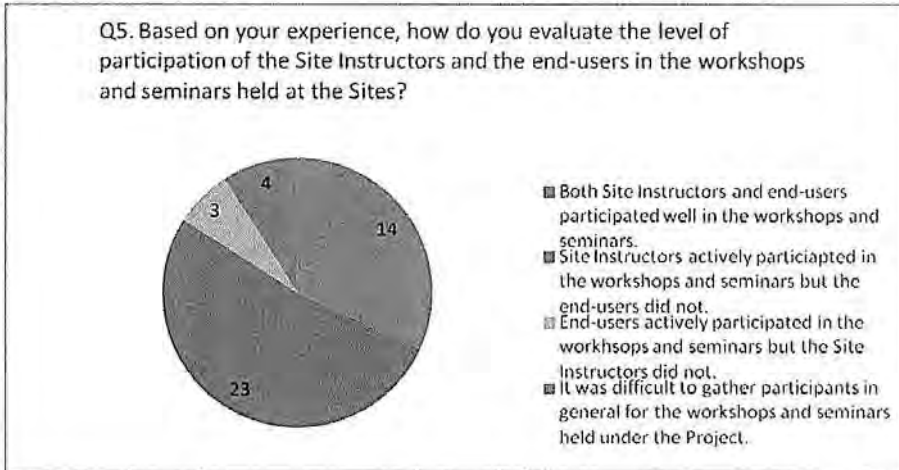


4) Question 4

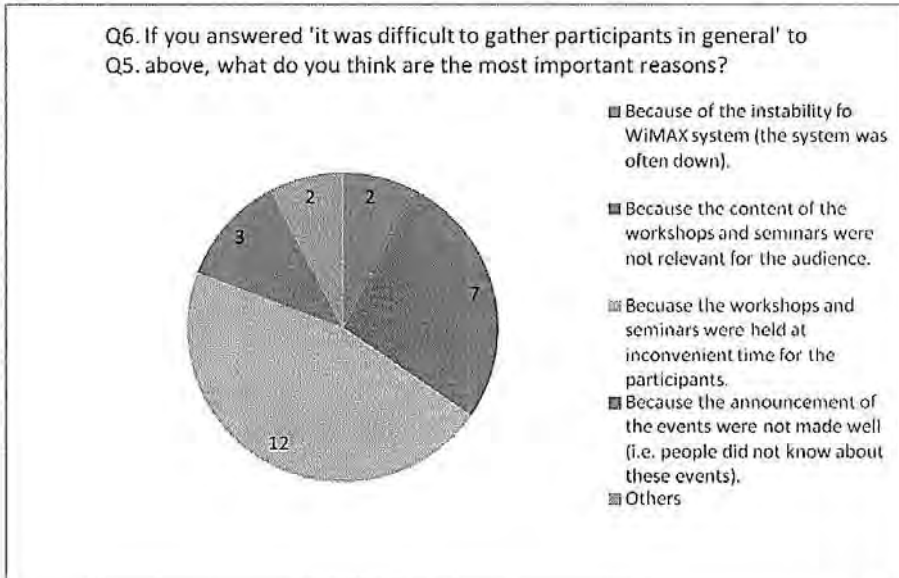


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5) Question 5



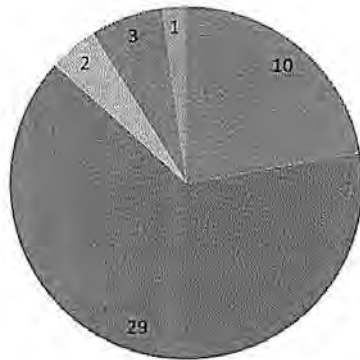
6) Question 6



Mr O

7) Question 7

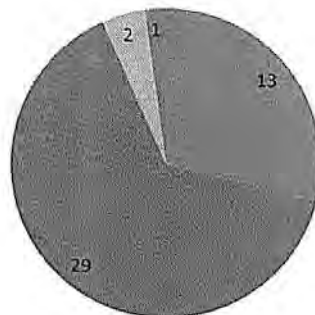
Q7. Which of the sentences below best describes your feedback regarding the selection of your institution as one of the 45 pilot Sites of the Project?



- It was a right decision to select our institution since we were ready both in terms of infrastructure and human resources.
- It was a right decision to select our institution even though some aspects of infrastructure was not suitable. It contributed towards human resources development at our institution.
- It was NOT a good idea to have selected our institution since we were not ready in terms of infrastructure.
- It was NOT a good idea to have selected our institution since we were not ready in terms of human resources.
- Others

8) Question 8

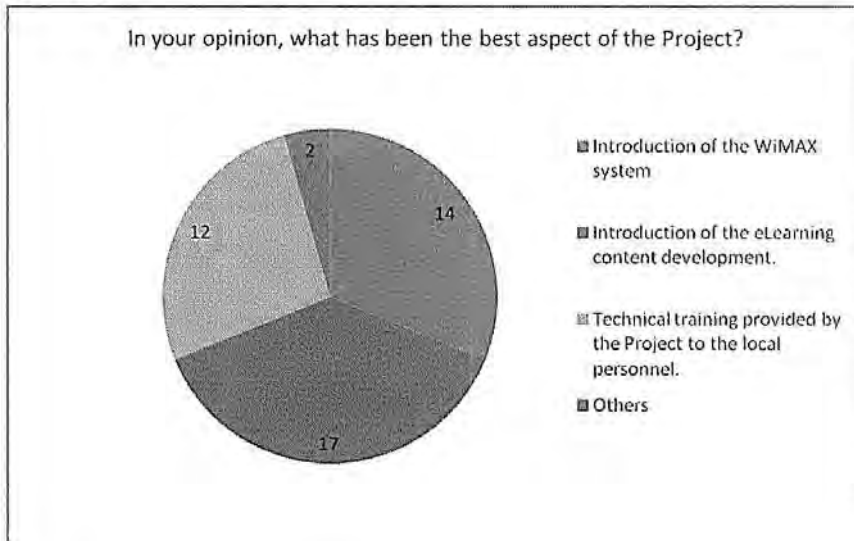
Based on your experience of participation in the Project, how do you assess the sustainability of the system at your institution after completion of the Project?



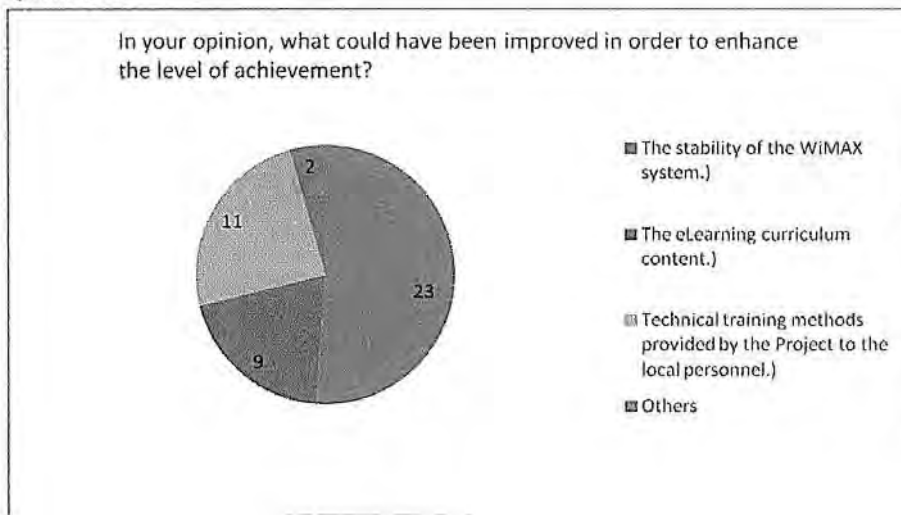
- The system will be sustainable beyond the Project period and will be well used and maintained.
- There is some hope that the system may be used beyond the Project period but maintenance will be a challenge.
- It is hard pushed to consider that the system will be maintained without the support of the Project.
- Others

dr

9) Question 9



10) Question 10



no

11) Question 11

Q11. Please provide any other feedback you might have toward the Project.

No	Site No	Comments
1	โรงเรียนบ้านคันทน์เมือง (B-SCH-10)	Project takes long time to replace failure equipment
2	สำนักงานสาธารณสุขจังหวัดแม่ฮ่องสอน (A-GOV-02)	Should expand coverage to cover entire MHS area
3	โรงพยาบาลปาย (C-GOV-02)	Very good project, I have learnt LearnSquare and wimax system
4	สำนักงานเขตพื้นที่การศึกษาประถมศึกษาแม่ฮ่องสอน เขต 1 (A-GOV-05)	The number of CPE sites is limit and various in term of application usage.
5	โรงเรียนแม่ละเรียง "นิเวศการศึกษา" (B-SCH-01)	Should expand wimax to school that has no internet connection
6	วิทยาลัยชุมชนแม่ฮ่องสอน (A-COM-01)	Should include MHS people in planning of project activities, still lack on sense of ownership since have no part in project operation just join project during training and workshop
7	โรงเรียนบ้านไร่วิทยา (B-SCH-06)	Should find someone to take care project after finish
8	โรงเรียนบ้านเวียงเหนือ (C-SCH-04)	Should continue IT seminar, workshop
9	ตำรวจภูธรจังหวัดแม่ฮ่องสอน (A-GOV-06)	very good project and should expand to other areas to connect in term of education
10	โรงเรียนปายวิทยาคาร (C-SCH-01)	should have someone to take care of project after completion
11	ห้องสมุดประชาชนจังหวัดแม่ฮ่องสอน (A-COM-02)	Main seminar focus on education so other sectors have to adopt knowledge to suit with the organization themselves
12	ร.ร.อนุบาลปาย , ชุมชนบ้านแม่ธิ (C-SCH-03)	ย้ายจากโรงเรียนชุมชนบ้านแม่ธิ มาอยู่โรงเรียนชุมชนบ้านปางหมู ครับ
13	โรงเรียนชุมชนบ้านน้ำคืบ (B-SCH-09)	concern about sustainability
14	โรงเรียนชุมชนวงวิทยา (A-SCH-09)	Should expand the receiver sites and area
15	โรงเรียนราชประชานุเคราะห์ 21 (B-SCH-12)	wimax system cannot connect to internet
16	อบจ.แม่ฮ่องสอน (A-GOV-04)	wimax system cannot connect to internet
17	วิทยาลัยการอาชีพนวมินทร์พนาวัฒน์แม่ฮ่องสอน (A-SCH-07)	Should let users connect to internet via wimax system

Mr. O.

EVALUATION GRID

Annex 13

Criteria	Topics	Evaluation questions		Information to be collected	Source of Information	Summary of Results
		Points to be confirmed (1)	Points to be confirmed (2)			
1. Achievement	Inputs	Has the inputs by the Japanese side been implemented as planned?		experts allocation Supplied Equipment G/P Training Operational Expenses	Record of the experts allocation List of Equipment provided by Japanese Record of C/P Training Record of Operational Expense	Necessary information was collected. According to the information, the inputs by both the Japanese and Thai sides has been implemented as planned.
		Has the inputs by the Thai side been implemented as planned?		G/P allocation Fact of office and equipment provision Operational Expenses	Record of G/P allocation List of Equipment provided by Thai side Budgets secured by Thai side	
	Output	Has the output 1 achieved as planned?	The passage and change of Indicators	Indicators of output 1 in PDM	Progress reports, Monthly reports, Impact Survey report, Japanese experts, G/P, local instructors.	Necessary information was collected. The both outputs has been achieved as planned.
		Has the output 2 achieved as planned?	The passage and change of Indicators	Indicators of output2 in PDM		
	Achievement of Project Purpose : "To strengthen the capability of NECTEC in developing the effective RWCS in the Kingdom of Thailand"	The passage and change of Indicators on the Project purpose	1. Development of the RWCS Model which was tested by Field Trial Testing (FTT)	Indicators of the Project purpose on PDM	1. "The Study Report of RWCS " (Draft)	RWCS Development Model document has been developed and FTT was conducted .
			2. Enhancement of knowledge and skills of NECTEC on RWCS		2-1. Interview Survey to NECTEC personnel, experts, other actors 2-2. Evaluation Study Report of Trial Testing	Enhancement of knowledge and skills of NECTEC on RWCS has been successfully achieved.
			3. Increase of Local trainers who have capacities for training and system operation		3. The number of local trainers developed	The number of seminars and workshops reached 54 times, total 318 days, and 977 participants were totally trained.
			4. Enhancement of skills and knowledge of FTT		4-1. Guidelines for Field Trial Testing of Wireless Communication System 4-2. Monitoring report of Field Trial Testing 4-3. Interview Survey to NECTEC personnel, experts, other actors	RWCS Development Model document has been developed and FTT was conducted . Through every necessary process of FTT, very practical OUT was conducted. As a result, enhancement of skills and knowledge of FTT was successfully achieved.
			5. Proposal and Recommendation made to NTC(=NBTC) about proposed RWCS Model		5. Proposal to NBTC on RWCS Development Model	On the final seminar on March 5, the RWCS Development Model was proposed to NBTC.
			6. Satisfaction of users in MHS		6-1. The result of Impact Survey (report) 6-2. The result of the Questionnaire	Satisfaction of users in MHS has been improved from the beginning to the end of the Projects. There were participants not only teachers but also the people from the local community (hospital staff, police, IT vendor, etc.).
Achievement of Overall Goal "RWCS for rural communities' vitalization"	Is the Overall Goal likely to be achieved?	Is the Overall Goal likely to be realized as result of the Project after 3-5 years of the end of the Project? Does the result of the Project achievement so far indicate the possibility to achieve the Overall Goal?	Indicators of the Project Overall Goal on PDM	Progress reports, Monthly reports, Impact Survey report, Japanese experts, G/P, MHS authorities	The foundation to achieve the overall goal has created by the projects (i.e. Capacity of NECTEC and RWCS Development Model). From the point of local stakeholders' view, there are positive change contributing to the overall goal. There is increasing number of people interested in IT and MHS government plans to expand more 15 base stations and 50 access points.	

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EVALUATION GRID

Criteria	Topics	Evaluation questions		Information to be collected	Source of Information	Summary of Results	
		Points to be confirmed (1)	Points to be confirmed (2)				
2. Implementation process	Activities	Have the activities been implemented as the first plan?	Have the activities implemented after the operation survey according to the plan?	Actual records of activities	Records of project activities, PO, Progress reports, Monthly reports, experts	Project activities have been conducted as planned. Though there was disturbance caused by natural disaster, the Project reschedule the plan and completed the activities.	
	Method of technology transfer	How is the method of technology transfer? Is there any issue on method of technology transfer and implementation process?	1. Technology transfer to NECTEC: about FTI planning and implementation, and development of RWCS Model	2. Technology transfer to NECTEC: about system operation and maintenance 3. Technology transfer to NECTEC: about contents development and the training planning	Each report, comments of G/P, Japanese expert, local instructor, site administrator	Progress reports, Monthly reports, Japanese experts, C/P, local instructor, site administrator	Technology transfer has been conducted by very practical OJT after explaining theoretical points. No issues were raised by C/P regarding such a method. Originally, G/P of NECTEC has high skills and Knowledge on IT enough to acquire new technology without difficulty.
			Technology transfer has been conducted by very practical OJT after explaining theoretical points. No issues were raised by C/P regarding such a method. C/P of NECTEC has high skills and Knowledge on IT enough to acquire new technology without difficulty. The experts taught the method for management of training plan through holding various events with C/P.				
	YES: Model Site Caravans by experts and C/Ps of NECTEC at 2 month intervals. J-experts accompanied C/Ps to various training and events (SEM, WS, PT, mini-WS, etc.). J-experts coached C/Ps for the management with the unified format for record of results of training and events. J-experts and NECTEC's G/Ps worked in the same office room, and had the regular joint meeting (JCC) at 2 month intervals.						
	Operation of the Project	Has monitoring appropriately conducted? (ex. Has it regularly been conducted? Did monitoring lead to the settlement of issues?)	How has the monitoring been conducted to monitor the Project progress in MHS?	Each report and comments of C/P, expert, local instructor, administrator	Record of activities, progress reports, monthly reports, experts, C/P, local instructors, administrators,		
		Has the Project management system appropriately worked?	Is there any issue on the Project management system?	Comments from experts, C/P, local instructors, administrators	experts, C/P, local instructors, administrators	The Project management system has appropriately worked.	
			Is there any issue on the process of decision making?	Record of decision making	MM of JCC	NECTEC has a main initiative to decide the operation of the Project. But, Important decision has been made by the member of JCC.	
			Is there any issue on coordinating and cooperating with related institutes?	Comments from the related institutes	experts, C/P, local instructors, administrators, Ministry of ICT, Ministry of Education, NSTC, local authorities	Coordinating and cooperating with related institutes have been appropriately conducted.	
		Has communication in the Project appropriately worked?	How is the internal communication in the Project team?	Japanese expert, C/P, local instructor, site administrators	experts, C/P, local instructors, administrators	Experts and C/P work in the same room and there is good communication.	
	How is the communication with the stakeholders except the Project team members?				C/P has good relationship with stakeholders in MHS since they started working together for the IT Valley project before the Project started.		
	Commitment by Thai side	Commitment by C/P to the Project	Is there any gap about perception of the Project between NECTEC and C/P?	Comments of C/P, expert, instructor, administrator	Progress reports, Monthly reports, Japanese experts, NECTEC, local instructor, site administrator	NECTEC and C/P share the positive attitude to the Project, and there is no gap between them. The commitment is sufficient to implement the Project.	
			Commitment to the Project by NECTEC and C/P				
		Commitment by Thai side	Has C/P been appropriately assigned?	Comments of experts and C/P	Record of C/P allocation, experts, C/P	Some C/P left the Project because of staff relocation of NECTEC. However, NECTEC reassigned new C/P immediately.	
	Others	Motivation of involvement and participation of target group and related institutes	How is the situation regarding the motivation and involvement of local instructors and users?	Impact survey report, comments of experts, C/P, local instructors, MHS authorities	Impact survey report, experts, C/P, local instructors, MHS authorities	Motivation of C/P and instructors are very high, however, participants of users (teachers and students) were limited, because users have job, and necessary to get a permission by their director to participate in the seminars/workshops. The travel cost also a problem.	
		What is the important event/factors which encouraged/discourage the Project Purpose to be achieved?	Important event/factor which encouraged/discouraged the Project Purpose to be achieved, if any	Comments of C/P, expert, local instructor, MHS authorities.	C/P, expert, local instructor, MHS authorities.	[Positive] Princess royal encouraged the Project. She mentioned supportive comments about IT utilization in MHS vitalization on media. [Negative] Natural disaster (e.i. landslide and flood)	

EVALUATION GRID

Annex 13

Criteria	Topics	Evaluation questions		Information to be collected	Source of information	Summary of Results
		Points to be confirmed (1)	Points to be confirmed (2)			
2. Relevance	Needs	Is the purpose of the Project relevant to needs of Thailand?	Is it relevance to the needs of the target area?	Comments of NECTEC, MHS authority	NECTEC, MHS MHS authority	Through the Project, NECTEC developed the practicable RWCS with WMAX for rural areas. It is a matter of great urgency for Thai government to improve "e-government" in ICT2020, the Project can contribute to the government's policy.
			Is it relevance to the needs of the target group (end-users)?	Comments of local instructors and users	Local instructors, students, school directors	According to the result of the questionnaire and interviews, it is relevant to the needs of the targets group (teachers and students)
	Priority	Is it relevance to the upper policies?	Is it relevance to the Japan's development assistance policy to Thailand?	Priority area for cooperation in Japan's assistance policies to Thailand, Japan-ASEAN Declaration (2011)	the Japan's development assistance policy to Thailand, Japan-ASEAN Declaration (2011)	Improvement of communication infrastructure in rural areas is relevant to one of the Japan's development assistance policy to Thailand which is to support to strengthen the economic competitiveness. In addition, Japan also declared the cooperation for ICT field for ASEAN countries. Therefore, the Project is relevance to the policies of Japan.
			Is it relevance to the national policy of Thailand, and not change the slogan "Economic society based on knowledge"?	National Broadband Policy(Nov.2010) 'ICT2020' (Mar.,2011)	NECTEC, NBTC, Ministry of ICT, Ministry of Education, JICA Thai office	The policy is not changed. It is a matter of great urgency for Thai government to implement "e-government" in ICT2020. The Project is able to contribute to the government's policy. (Refer to 'ICT2020')#2
	Strategy	Is the Project appropriate as an effective strategy for human resource development and lessening Digital Divide in rural area of Thailand?	Is the Project approach (RWCS Model Development, Capacity building of Trial Testing Technology) appropriate?	Pre-Evaluation, Comments of experts and C/P	Pre-Evaluation, experts and C/P	Utilizing WMAX is useful to improve the communication infrastructure in rural areas, and RWCS Development Model highly contributes to plan and implement the RWCS by NBTC. So, this approach is appropriate.
			Is the selection of target areas for the trial testing appropriate?	Comments of experts, C/P, MHS authorities, local instructors, users, etc.	experts, C/P, MHS authorities, local instructors, users, etc.	MHS is the poorest area in term of ICT index in Thailand. There is also related project "IT Valley". Because of these reasons, MHS was selected and it is reasonable.
			Is the selection of sites (total 45 institutes in 3 areas) in MHS appropriate?	Activities to collaborate with other donors	Report of activities, Ministry of ICT, Ministry of Education	It is appropriate because the sites were selected according to the demand of local communities and the geographical conditions.
	Others	Is there any change in the environment after the Project started?	How did NECTEC coordinate with other donors?	Comments of experts, C/P, MHS authorities, local instructors, users, etc.	Experts, C/P, MHS authorities, local instructors, users, etc.	The Project has been collaborating with IT Valley project. UN supported project is implemented in MHS, and the related mission from Mangalia visited the Project sites.
			Political, economic and social change after the Project started	Comments of experts, C/P, MHS authorities, local instructors, users, etc.	Experts, C/P, MHS authorities, local instructors, users, etc.	Because of the flood, the Project was disturbed. NECTEC office was damaged. But, there was not much damage in the sites in MHS.

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EVALUATION GRID

Criteria	Topics	EVALUATION QUESTIONS		Information to be collected	Source of Information	Summary of Results
		Points to be confirmed (1)	Points to be confirmed (2)			
4. Effectiveness	The extent to which the Project Purpose is likely to be achieved	Has the Project Purpose been achieved?	Results of the FTT on RWCS Model	Evaluation Study Report of RWCS Field Trial Testing (Feb. 14, 2012)*1, comments from experts, C/P, local instructors, users	Evaluation Study Report of RWCS Field Trial Testing (Feb. 14, 2012)*1, experts, C/P, local instructors, users	FTT was successfully conducted, and it indicates that the Project purpose which is capacity building of NECTEC is already completed.
			Results of technology transfer to NECTEC on RWCS Development Model and system maintenance (comparing the Baseline Survey and Impact Survey result)			NECTEC has already learned the necessary knowledge and skills of the system maintenance through OJT.
			Results of technology transfer to local instructors and the level of satisfaction of end users in MHS			The participants at the Training (seminars, workshop, etc) were satisfied. The participants were not only teachers but also people from local communities such as hospital's staff, police personnel, IT vendors, etc.
	Causality between the achievement of the Output and the Project Purpose	Causality between the achievement of the Output and the Project Purpose	Was the achievement of the Output sufficient to achieve the Project Purpose?	PDM, Comments of experts and C/P	PDM, Comments of experts and NECTEC	Through achieving the outputs, C/P has acquired necessary knowledge and skills, which is equal to achieving the Project purpose. Thus, the achievement of the Outputs is sufficient to achieve the Project Purpose.
Effect of the Assumption	Effect of assumption (external condition)	Is the assumption still appropriate to achieve the Project purpose from the Output?	Comments of experts and C/P	Experts and C/P	There is no change related to the assumption. Refer to ICT2020 *2	
		Was there any effects related to the assumption?				
	Were there any factor that might contribute and/or obstruct the achievement of the Project Purpose?	Was there any factor that might contribute and/or obstruct the achievement of the Project Purpose?	Comments of experts and C/P	Experts and C/P	Disappear the data of contents by the failure of LMS because of the flood in Oct and Nov, 2011.	

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EVALUATION GRID

Criteria	Topics	Evaluation questions		Information to be collected	Source of information	Summary of Results
		Points to be confirmed (1)	Points to be confirmed (2)			
5. Efficiency	Status of the Output	Have the Outputs appropriately been achieved?	Considering the result of FTT, is progress of the achievement of Outputs appropriate?	Indicator in PDM, actual record of input and output	Record of activities, progress reports, monthly reports, experts, C/P	The outputs were already achieved. There is addition input to overcome the delay caused by the flood. But, except such additional input, the outputs were achieved according to the planned input.
			Is the status of Output proportionate to the Input?			
			Are there synergy effects between the Project and other project by JICA?	Information of related projects	JICA	There is no strong synergy effect. But, one of 45 sites participates in another JICA project related to disaster prevention.
	Causality between the Activities and the achievement of the Output	Causality between the Activities and the achievement of the Output	Were the quantity, quality and timing for OJT, contents of training to C/P appropriate for the development of RWCS Model?	Information to show the causality between the activities and outputs	Impact survey report, developed curriculum contents and usage, progress reports, monthly reports, experts, C/P, local instructor, users	Through achieving the outputs, C/P has acquired necessary knowledge and skills, which is equal to achieving the Project purpose. C/P are fully satisfied with conducted technology transfer. Thus, it indicates that the causality is confirmed.
			Was the developing process of the curriculum and contents useful for "the Rural Community Vitalization"?			
		Effect of assumption (external condition)	Is the assumption still appropriate to achieve the Project purpose from the Output?	Comments of experts, C/P, MHS authorities	PDM, experts, C/P, MHS authorities	The assumption is correct still now.
	Input	Did input appropriately provided? (quantity, quality and timing for input)	Was the experts appropriately dispatched in terms of the quantity, quality and time?	Comments of experts, C/P, record of experts allocation, list of equipment	experts, C/P, record of experts allocation, list of equipment	The experts were dispatched as planned and the expected outputs were already achieved.
			Was the equipment appropriately provided in terms of the quantity, quality and time?			There was delay of equipment procurement which was managed in Japan, But the delay does not make the Project delayed because of efforts by C/P and experts to overcome.
	Activities	Activities of the Output 2 (Improving skill and knowledge of C/P for RWCS Model Development and it's maintenance)	Were activities for output1 (design, construct, OJT, Training for RWCS) conducted timely?	Record of activities, comment from C/P	Record of activities, C/P	Because of the delay of the equipment procurement, the schedule was changed.
		Activities of the Output 2 (Contents Developing and Training Planning and Operating) NECTEC and MHS	Were activities for output2 (curriculum development and usage for local instructors and users in MHS) implemented timely?	Record of activities, comments of local instructors and users	Record of activities, local instructors and users	Seminars/Workshops were conducted. The day and time were arranged to meet the demand of local participants as much as possible.
Cost	Is the overall cost appropriate?	Are the Project's cost likely to appropriate comparing the input and achieved output?	Record of input, quality of outputs, comment of experts and C/P	Record of input, RWCS Development Model document, experts, C/P	The procurement process focus on cost effectiveness, and the outputs were sufficient to achieve the Project purpose.	
6. Impact	The extent to which the Overall Goal is likely to be achieved	Is the achievement of the Project Purpose likely to contribute the coverage of the Overall Goal?	Is 'the RWCS Development Model' to vitalize the community likely to be put to practical use?	Results of FTT, comments from experts, C/P, NBTC	Results of FTT, experts, C/P, NBTC	RWCS Development Model was developed and proposed to NBTC. It depends on NBTC how to use it to expand the RWCS to other areas. NBTC accepted RWCS as a crucial tool for expanding connectivity in rural areas.
	Causality	Relation between the Project purpose and the Overall Goal	Is consequence between the Project purpose and the Overall Goal logically designed?	PDM, comments from experts and C/P	PDM, experts and C/P	It is logically designed but there are still some external factors such as instable power supply in rural areas, maintenance, WIMAX licence for business use, etc.
		Effect of external factors	Is the assumption still appropriate to achieve the Project Overall Goal from the Project purpose?			The assumption is still appropriate, but the current assumption should include the issues on power supply and maintenance will be solved by NBTC and/or local authorities.
	Effect to others	Unexpected impact	Is impact of external factors considered?			
Is there any unexpected impact in terms of gender, tribes, economic and social aspects, etc?			Is there any different impact depending on gender and social group for example.	Comments of experts, C/P, MHS authorities	Experts, C/P, MHS authorities	A new divide between schools which enjoy the benefits of IT and ones which cannot may happen. This is an emerging issue to be solved in the future. Similarly, a gap between IT-skilled students and non-skilled ones will happen, too.

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EVALUATION GRID

Criteria	Topics	EVALUATION QUESTIONS		Information to be collected	Source of information	Summary of Results		
		Points to be confirmed (1)	Points to be confirmed (2)					
7. Sustainability	Political sustainability	Will the political support for the Project be maintained after the end of the Project?	Will the Thai policy to aim "Economy and society based on knowledge" be maintained?	ICT2010+2. Comments from Ministry of ICT	ICT2010+2, Ministry of ICT	The policy will be maintained.		
	Institutional/Financial sustainability (NECTEC)	Dissemination of the technology transferred by the Project	Is there a mechanism to enable to disseminate the output of the Project after the end of the Project?		C/P, MHS authorities	C/P, MHS authorities	RWCS Development Model will be updated and will be used by NBTC to expand RWCS to other rural areas.	
		Financial condition	Will NECTEC continue to maintain the RWCS after the end of the Project?				NECTEC will maintain the RWCS in MHS by Nov. 2012. Before this point, NECTEC has an initiative to discuss with related local stakeholders to decide the sustainable plan.	
		Does C/P has an ownership of the Project?	How is the status of the system operation working group?				NECTEC is now making the sustainability plan for MHS site and it will be completed in a few month. Based on the plan, the related organizations will discuss about the sustainable plan. Since NECTEC is a research institute, the system operation in MHS cannot be managed by NECTEC. The MHS authorities will be an owner of the system and NECTEC will provide necessary technical support for them.	
		Institutional status	Does NECTEC have the planning and implementing capacities (budget, staffing, decision making process, etc.)	Status of NECTEC and MHS			C/P, MHS authorities	Regarding the updating and revising RWCS Development Model, NECTEC has enough capacity and will implement necessary activities. Regarding the support for MHS sites, capacity is limited. Before Nov 2012, financial and technical supports will be provided for MHS authorities, but after that the support will be minimized.
	Social, cultural, environmental aspect	Effect hindering ensuring the sustainability	Is there any factor (social, cultural, environmental aspects in MHS and Thai) which hinders the sustainability?	Comment of C/P and MHS authorities	C/P, MHS authorities	Natural disaster is the serious potential negative factor.		
	Technical sustainability	Technical issues	Has C/P already acquired the knowledge and skills on the planning and implementing FTI and RWCS Development Model to disseminate it after the end of the Project?	Information about improvement of technical knowledge and skills of C/P, manuals, RWCS Development Model document	Progress reports, monthly reports, Impact Survey, Evaluation study report, manuals, RWCS Development Model document, expert, C/P	C/P has already acquired the knowledge and skills on the planning and implementing FTI and RWCS Development Model to disseminate it after the end of the Project. In fact the FTI and RWCS Development Model were implement by C/P and experts checked the quality.		
			Has C/P already acquired the knowledge and skills on the system operation of RWCS to disseminate it after the end of the Project?				C/P has already acquired the knowledge and skills on the system operation of RWCS to disseminate it after the end of the Project. However, there is an addition request for assistance for C/P to learn the knowledge on Disaster Recovery Plan that is not included the Project scope.	
			Have the local instructors already acquired the knowledge and skills on developing curriculum after the end of the Project?	Information about improvement of technical knowledge and skills of local instructors and support staffs.			Progress reports, monthly reports, Seminar and Workshop reports, Impact Survey, result of questionnaires, expert, C/P, local instructors, MHS authorities, support staffs	The level of technology transfer to the local instructors is limited. According to the questionnaires, local instructors skill was improved in 41 of 45 sites. There are both successful sites and not so successful ones. It highly depend on director's policy and instructor's interest.
			Have the sites IT support staffs in MHS already acquired the knowledge and skills on user support and troubleshooting after the end of the Project?					The level of technology transfer to the local support staff is limited. It also highly depends on director's policy and staff's interest. Without support by NECTEC, it may difficult for them to maintain the system.
Overall sustainability	The overall sustainability of the Project judged in a comprehensive manner		Judge sustainability in a comprehensive manner in consideration of all aspects	Judge sustainability in a comprehensive manner in consideration of all aspects	According to the Project purpose, the sustainability is high because NECTEC already has acquired necessary knowledge and skills for expanding RWCS to other areas. On the other hand, the sustainability of MHS sites is not sure. It depends on the stakeholders and external factors such as feasibility of reliable power supply and availability of WMAX license for business use. Considering the positive attitude of MHS authorities to use WMAX service for more areas and purposes, the overall sustainability can be assessed as medium (+).			

*1: "Evaluation Study Report of RWCS Field Trial Testing" (Feb. 14, 2012)+1
 *2: ICT2020 Executive Summary (Mar. 2011)

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Record of Site Visits (February 23 to 29, 2012)
for the Terminal Evaluation of

Annex 14

The Project of Human Resource Development Through Utilizing the Information Technology for Rural Community Vitalization

Field Survey		Site									
No.	Topic	Mae Hong Son				Mae Saring				Pai	
1	Site Area	A-SCH-01	A-SCH-05	A-SCH-09	A-GOV-01	B-SCH-01	B-SCH-02	B-SCH-06	B-SCH-04	C-SCH-01	C-GOV-02
2	Site Code										
3	Site Name										
4	Survey Date	28-Feb, '12	28-Feb, '12	27-Feb, '12	28-Feb, '12	27-Feb, '12	27-Feb, '12	27-Feb, '12	27-Feb, '12	29-Feb, '12	29-Feb, '12
5	Time	10:00	9:00	16:00	11:00	9:00	10:00	13:00	11:00	9:00	10:00
6	Interviewed Person	Mr. Prakit	Ms. Varanya	Mr. Pornchai Mr. Intanin	Mr. Sudkhet	Mr. Surapon	Ms. Panadda	(Ms. Pimpapai-V-Dir.) Ms. Veeraya	Mr. Danai	Mr. Vilaya	Mr. Vitae
7	Position of Person	CP-Teacher	CP-Teacher	CP-Teacher	System Technician	MAS teacher	CP-Teacher	CP-Teacher	CP-Teacher	CP-Teacher	support center chief
8	Lank (Tier)	3	3	3	3	3	3	3	3	3	3
9	Administrator	x	x		x	x	x	x	x		x
10	Instructor	x	x	x		x	x	x	x	x	
11	End User (Teacher/Staff)										
12	End User (Student)										
13	Age	32	25-30	25-30	35-40	30-35	25-30	25-30	25-30	35-40	28
14	School (K/E/J/H/U)	J	K-E	J-H		H	E-J	E-J	K-E-J	J	
15	Gov.				Government Office						Hospital
16	Community/Other										
17	No. of (Teacher/Staff)	(70)(10)	(23)(7)	(50)(8)	40	(80)(10)	(50)(3)	(25)(2)	(25)(3)	(35)(10)	150
18	CP Skill of Teach./Staff (%)	(100%)(90%)	(100%)(70%)	100%	100%	(100%)(80%)	100%	100%	100%	(100%)(70%)	100%
19	No. of Students	1400	605	1100		1000	650	329	426	799	
20	CP Skill of Stu. (%)	100%	(E)100%	100%		100%	100%	100%	(E-J) 100%	100%	
21	No. of PCs	180	100	150	35	200	80	30	80	120	85
22	Confirm of answer of the Pre-Questionnaire	Q4: Internet inaccessibility, Q6: System down, Backbone NW's Cable Trouble			Q2: The transmission speed is limited. Already, The office has a leased line with 50M. Q8: There were a lot of system-downs.			Q4: Not negative. (Increase more participants)			Q1: (Mistake) 2. Yes, improved to some extent. (Very good Project)
23	Total No. of Curriculums	150	60	240		100	100	176	80	150	
24	No. of Cu. Using eL/Contents	80%	8(10%)	70%		30%	10%	150 (80%)	10%	100%	
25	Demonstration of eL/Contents	The e-L System is used for the information of Fire Protection. And lesson to PhuKet.	The e-L is used on the lesson of Foto-shop to PhuKet.	After 2 months, the Lininet will be connected, and e-L will be able to be used.	He maintains the system, and WEB site of government's HP. The TV conference system is used for conference with Bangkok. Demonstrate the HP which he made.	3 high schools use eL for joint-lesson.	Demonstrate the contents which instructor made.	No. of Contents: Teachers:70 Students:100 (e-BOOK (Software for edition))	Demonstrate the contents which instructor made.		
26	No. of Contents	200	6	70		1 subject	3	170	9	70	20
27	No. of Tech/Staff (skilled)	90%	1	90%	1	4	4	20	4	35	
28	No. of Stu (skilled)	100%	100% (make slides)	100%		0	0	154	0	300	10
29	No. of Teach/Staff (participate SEM/WS)	12	1	4	1	4	4	4	2	5	2
30	What kind of Contents is preferred by students?	CP Graphic, Music, Science	Culture, Society	Thai, Art		Thai	CP Graphic Science	CP	CP	CP, Sports	CP subject
31	Comments of teacher/staff	Connect ability to Internet. Trouble on Backbone NW. Stability of PW, SEM & WS is good.	Connectivity to Internet. SEM & WS is good.	It is necessary e-Learning contents. Training for new tech.	The Transmission speed is limited.	SEM & WS were good, and skill was up.	SEM, WS were good, but it was better to hold on Saturday or Sunday.	There were many failures of hardware and power.	There were many failures of hardware and power. Desire more training for network.	Moving every 2 years.	TV Conference system is used for connection of 12 hospitals in Pai. The Project was
32	WiMAX	x	x		x	x	x	x	x	x	x
33	ADSL	x(1M)	x(5(2K))O.F.	x(1M)		TOT:1M 2L CAT:3M 1L	x(2M)		x(2M)	x(1M)	x(2M)
34	Leased Line				x(50M)	TOT:1L				x(CAT:20M)	x(TOT:15M)
35	Ipsstar (512k) (Satellite)									x	
36	BS-CPE (Km)	1.61	1.10		1.37	3.85(JomKitti), 2.2(DoiChang)	1.8(JomKitti), 1.93(DoiChang)	3.22(JomKitti), 5.05(DoiChang)	1.98(JomKitti), 1.78(DoiChang)	1.50	2.13

* K=Kindergarten, E=Elementary School, J=Junior High School, H=High School

Annex 4. PDM (Ver. 1.0, 2.0, 3.0)

Project Design Matrix (PDM)

Version 1.0

Date of formulation: 20th January 2009 (R/D)

Project Title : 'the Project of Human Resource Development through Utilizing the Information Technology for Rural Community Vitalization'

Project Term : XX XX 2009 – XX XX (2years) project sites: NECTEC at Science Park in Pathumthani Province, Mae Hong Sonn Province,

Target group : NECTEC, Schools, Communities, Local Authority, and Local business of Model Site Mae Hong Son Province

Narrative Summary	Objectively verifiable Indicators	Means for obtaining Indicators	Important Assumption
[Super Goal] (Long term goal) Enhancement of accessibility to Information Technologies (IT) in rural areas.	1. Expansion of internet access users among general households, schools and local business in rural areas.	1-1. NECTEC ICT Indicators 1-2. Report of Socio-Economic Survey by National Statistics Office (NSO)	
[Overall Goal] (Middle term goal) Rural wireless communication system is applied for rural communities' vitalization.	1. Provinces introducing the Rural Wireless Communication System. 2. Types and scale of users in the provinces introducing the Rural Wireless Communication System.	1&2 1) Interview Survey to NECTEC, NSTDA and NCT 2) NECTEC ICT Indicator	The Government of Thailand sustains the current IT policy aiming at community development.
[Project Purpose] To strengthen the capability of NECTEC in developing the effective rural wireless communication system in the Kingdom of Thailand.	1. Development of the Rural Wireless Communication System Model which was examined by Trial Test. 2. Enhancement of knowledge and skills of NECTEC about technologies of Wireless Communication System. 3. Increase of Local trainers who have capacities for training and system operation. 4. Enhancement of skills and knowledge of Field Trial Testing. 5. Proposal and Recommendation made to NTC about proposed RWCS Model. 6. Satisfaction of model Users in Model site.	1-1. 'The Study Report of RWCS' (Draft) 2-1. Interview Survey to NECTEC personnel, Japanese Experts, other actors 2-2. Evaluation Study Report of Trial Testing 3. The number of local trainers developed 4-1. Guideline for Field Trial Testing of Wireless Communication System 4-2. Monitoring report of Field Trial Testing 4-3. Interview Survey to NECTEC personnel, Japanese Experts, other actors 5. Proposal to NTC on Rural Wireless Communication Model 6. The result of Impact Survey (report)	NTC establishes the standards of Wireless Communication System
[Outputs] 1. Rural wireless communication model has been developed by NECTEC 2. IT Curriculum aimed to vitalize the rural areas will be developed by NECTEC in collaboration with local schools in the Kingdom of Thailand.	1-1. Implementation of Trend Surveys of Wireless Communication technologies at Model site. 1-2. Knowledge and Skills acquired by the Trainees who participated to the Technical Training. 1-3. The design of Rural Wireless Community System Model and its parameter identified. 1-4. The Discussions held about feasibility and its usefulness of use of Applications developed among relative organizations. 2-1. Quality of IT Curriculum developed by NECTEC 2-2. Number of Users 2-3. Contents developed by the users of IT Curriculum	1-1. Survey Report 1-2. Technical Training Report, Interview Surveys with Trainees 1-3. 'The Study Report of Rural Wireless Communication Network Development' (Draft), Interview Survey with developers, Japanese Experts, and other actors. 1-4. Meeting Records 2-1. IT Curriculum Developed, Users Satisfactory Survey 2-2. Interview Survey with NECTEC 2-3. Contents developed, Interview Survey with NECTEC and users (developer)	Personnel of NECTEC who were trained thru the Project continue to work at NECTEC

[Activities]	[inputs]		
<p>1. Activities for Output1.</p> <p>1-1. To carry out the survey of wireless communication technologies trend at model site.</p> <p>1-2. To design and implement the wireless communication system at the model site.</p> <p>1-3.</p> <p>1-4.</p> <p>1-5. supervision,</p> <p>1-6. To conduct the "On the Job Training (OJT)" for NECTEC's personnel in the field of site planning and system design of WiMAX (Worldwide Interoperability for Microwave Access) and other training courses in Japan.</p> <p>1-7. To test and measure the performance of wireless communication system including applications running (e.g. Internet access, voice over IP, video conferencing, e-Learning, and e-Community).</p> <p>1-8. To examine and analyze the results of testing of wireless communication system and propose an evaluation study report including impact survey about socio-economic status.</p> <p>1-9. To hold the workshop to share the information about wireless communication system trial test with participants from relevant organizations, such as National Telecommunications Commission (hereinafter referred to as "NTC"), Universities, Institute, etc.</p> <p>1-10. To identify and recommend the technical regulations to relevant authorities to be applied for rural wireless communication system.</p> <p>1-11. To draft 'The Study Report of Rural Wireless Communication System Development'.</p> <p>1-12. To propose the developed rural wireless communication system model to NTC.</p> <p>2. Activities for Output2.</p> <p>2-1. To discuss with local school teachers and local authorities of Mae Hong Sorn Province to develop the IT curriculums.</p> <p>2-2. To collaborate with local school teachers for creating the sample contents for e-Learning.</p> <p>2-3. To conduct the Training of Trainers to counterpart from Mae Hong Sorn Province.</p> <p>2-4. To conduct the training to local school teachers. (by the trained Trainers)</p> <p>2-5. To conduct the impact survey about the use of contents of the said IT curriculum.</p> <p>2-6. To share the lessons learned from the Project with other related organizations, and promote the applications of the developed IT curriculums in other areas in the Kingdom of Thailand.</p>	【Thailand Side】	【Japan Side】	
	<p>(1) Human Resources (Counterparts personnel)</p> <ol style="list-style-type: none"> 1) Project Director(NECTEC) 2) Project Manager(NECTEC) 3) WiFi/WiMAX Research Members(NECTEC) 4) Technical Staff(NECTEC) 5) Other necessary project staff from NECTEC 6) School Teachers as Trainer from Mae Hong Sorn Province <p>(2) Facilities</p> <ul style="list-style-type: none"> - Office for Japanese Experts(including telephone line and internet facility) - Other necessary facility for project activities <p>(3) Budget for Project Activities</p> <ul style="list-style-type: none"> - Cost for Field Trial Testing - Domestic Training of NECTEC personnel 	<p>(1) Human Resources(Japanese experts)</p> <ol style="list-style-type: none"> 1) Japanese Experts as Chief Advisor: One person 2) Other Japanese Experts for: System Design Site Planning Contents Development for e-Learning <p>(2) Equipment and material</p> <p>Equipment and material for Trial Test(Including installation cost) Software for WiMAX Site Planning</p> <p>(3) Other necessary cost for Project Activities</p> <ul style="list-style-type: none"> - Counterparts Training in Japan - Other 	<p>Unforeseen natural calamity or disaster by forced major which affects the Field Trial Test does not occur.</p> <p>Personnel of NECTEC who were trained thru the Project continue to work at NECTEC.</p>
		<p>[Pre-conditions]</p> <p>Frequency allocation, which is required for the Trial Test, was allocated.</p> <p>The procurement of Equipment needed for the Trial Test is available.</p>	

Project Design Matrix (PDM)

Version 2.0

Date of formulation: 16 July 2010

Project Title : 'the Project of Human Resource Development through Utilizing the Information Technology for Rural Community Vitalization'

Project Term : 26th Apr 2009 – 26th Jan 2012 (2 years and 9 months) project sites: NECTEC at Science Park in Pathumthani Province, Mae Hong Son Province,

Target group : NECTEC, Schools, Communities, Local Authority in Mae Hong Son Province.

Narrative Summary	Objectively verifiable Indicators	Means for obtaining Indicators	Important Assumption
[Super Goal] (Long term goal) Enhancement of accessibility to Information Technologies (IT) in rural areas.	1. Expansion of internet access users among general households, schools and local business in rural areas.	1-1. NECTEC ICT Indicators 1-2. Report of Socio-Economic Survey by National Statistics Office (NSO)	
[Overall Goal] (Middle term goal) Rural wireless communication system is applied for rural communities' vitalization.	1. Provinces introducing the Rural Wireless Communication System. 2. Types and scale of users in the provinces introducing the Rural Wireless Communication System.	1&2 1) Interview Survey to NECTEC, NSTDA and – NTC 2) NECTEC ICT Indicator	The Government of Thailand sustains the current IT policy aiming at community development.
[Project Purpose] To strengthen the capability of NECTEC in developing the effective rural wireless communication system in the Kingdom of Thailand.	1. Development of the Rural Wireless Communication System Model which was examined by Trial Test. 2. Enhancement of knowledge and skills of NECTEC about technologies of Wireless Communication System. 3. Increase of Local trainers who have capacities for training and system operation. 4. Enhancement of skills and knowledge of Field Trial Testing. 5. Proposal and Recommendation made to NTC about proposed RWCS Model. 6. Satisfaction of model users in model site.	1. 'The Study Report of RWCS' (Draft) 2-1. Interview Survey to NECTEC personnel, Japanese Experts, other actors 2-2. Evaluation Study Report of Trial Testing 3. The number of local trainers developed 4-1. Guideline for Field Trial Testing of Wireless Communication System 4-2. Monitoring report of Field Trial Testing 4-3. Interview Survey to NECTEC personnel, Japanese Experts, other actors 5. Proposal to NTC on Rural Wireless Communication Model 6. The result of Impact Survey (report)	NTC establishes the standards of Wireless Communication System
[Outputs] 1. Rural wireless communication model has been developed by NECTEC 2. Curriculum aimed to vitalize the rural areas will be developed by NECTEC in collaboration with local organizations in the Kingdom of Thailand.	1-1. Implementation of Trend Surveys of Wireless Communication technologies at Model site. 1-2. Knowledge and Skills acquired by the Trainees who participated to the Technical Training. 1-3. The design of Rural Wireless Community System Model and its parameter identified. 1-4. The Discussions held about feasibility and its usefulness of applications among related organizations. 2-1. Quality and number of Curriculum developed by NECTEC in collaboration with local organizations 2-2. Number of users who use e-Learning applications ³ 2-3. Quality and number of Contents ⁴ developed by the users of Curriculum ⁵	1-1. Survey Report 1-2. Technical Training Report, Interview Surveys with Trainees 1-3. 'The Study Report of Rural Wireless Communication Network Development' (Draft), Interview Survey with developers, Japanese Experts, and other actors. 1-4. Meeting Records 2-1. Curriculum Developed, Users Satisfactory Survey, Number of access to the Curriculum 2-2. Impact Survey(Report) with NECTEC 2-3. Contents developed, Interview Survey with NECTEC and users (developer), Number of access to the contents	Personnel of NECTEC who were trained thru the Project continue to work at NECTEC

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³ E-Learning Application(s): Existing application(s) (e.g. learning management system (LMS), video conference system etc.) used when conducting e-learning.

⁴ Contents: Defined as those materials used as eLearning. It is possible to place several contents in one curriculum. For example, if mathematics composes of "basic math content" and "basic math comprehension test", then it has one curriculum and two contents.

⁵ Curriculum: Defined as those subjects which use eLearning, not only at schools but also at governmental authorities, police departments, hospitals, and libraries. For example, "mathematics" and "computer basics" signify curriculum for school, whereas "hospital client service" for hospitals, and "library eBook management" for libraries.

[Activities]	[inputs]		
<p>1. Activities for Output1.</p> <p>1-1. To carry out the survey of wireless communication technologies trend at model site.</p> <p>1-2. To design and implement the wireless communication system at the model site.</p> <p>1-3. To conduct/support WiMAX equipment procurement and to conduct the On the Job Training (OJT) for installation (e.g. tower construction, construction supervision and acceptance).</p> <p>1-4. To conduct the "On the Job Training (OJT)" for NECTEC's personnel in the field of site planning and system design of WiMAX (Worldwide Interoperability for Microwave Access) and other training courses in Japan.</p> <p>1-5. To conduct training to the targeted local users using sample equipment.</p> <p>1-6. To test and measure the performance of wireless communication system including applications running (e.g. internet access, voice over IP, video conferencing, e-Learning, and e-Community).</p> <p>1-7. To examine and analyze the results of testing of wireless communication system and propose an evaluation study report including impact survey about socio-economic status.</p> <p>1-8. To hold seminar to share the information about wireless communication system trial test with participants from relevant organizations, such as National Telecommunications Commission (hereinafter referred to as "NTC"), Universities, Institute, etc.</p> <p>1-9. To identify and recommend the technical regulations to relevant authorities to be applied for rural wireless communication system.</p> <p>1-10. To draft 'The Study Report of Rural Wireless Communication System Development'.</p> <p>1-11. To propose the developed rural wireless communication system model to NTC.</p> <p>2. Activities for Output2.</p> <p>2-1. To discuss with local school teachers and local authorities (e.g. governments, hospitals, police departments, libraries etc.) of Mae Hong Son Province to develop the curriculums.</p> <p>2-2. To collaborate with targeted local users for creating the sample contents for e-Learning.</p> <p>2-3. To conduct training for local instructors in Mae Hong Son Province.</p> <p>2-4. To facilitate training for local users by local instructors</p> <p>2-5. To conduct the impact survey about the use of contents of the said curriculum.</p> <p>2-6. To share the lessons learned from the Project with other related organizations, and promote the applications of the developed curriculums in other areas in the Kingdom of Thailand.</p>	【Thailand Side】	【Japan Side】	<p>Unforeseen natural calamity or disaster by forced major which affects the Field Trial Test does not occur.</p> <p>Personnel of NECTEC who were trained thru the Project continue to work at NECTEC.</p>
	<p>(1) Human Resources (Counterparts personnel)</p> <ol style="list-style-type: none"> 1) Project Director(NECTEC) 2) Project Manager(NECTEC) 3) WiFi/WiMAX Research Members(NECTEC) 4) Technical Staff(NECTEC) 5) Other necessary project staff from NECTEC 6) School Teachers as Trainer from Mae Hong Son Province <p>(2) Facilities</p> <ul style="list-style-type: none"> - Office for Japanese Experts(including telephone line and internet facility) - Other necessary facility for project activities <p>(3) Budget for Project Activities</p> <ul style="list-style-type: none"> - Cost for Field Trial Testing - Domestic Training of NECTEC personnel 	<p>(1) Human Resources (Japanese experts)</p> <ol style="list-style-type: none"> 1) Japanese Experts as Chief Advisor: One person 2) Other Japanese Experts for: <ul style="list-style-type: none"> System Design Site Planning Contents Development for e-Learning <p>(2) Equipment and material</p> <p>Equipment and material for Trial Test(Including installation cost)</p> <p>Software for WiMAX Site Planning</p> <p>(3) Other necessary cost for Project Activities</p> <ul style="list-style-type: none"> - Counterparts Training in Japan - Other 	<p>[Pre-conditions]</p> <p>Frequency allocation, which is required for the Trial Test, was allocated.</p> <p>The procurement of Equipment needed for the Trial Test is available.</p>

Word definition

Project Design Matrix (PDM)

Version 3.0

Date of formulation: 4 January 2012

Project Title : 'the Project of Human Resource Development through Utilizing the Information Technology for Rural Community Vitalization'

Project Term : 26th Apr 2009 – 10th Mar 2012 (2 years and 11 months) project sites: NECTEC at Science Park in Pathumthani Province, Mae Hong Son Province,

Target group : NECTEC, Schools, Communities, Local Authority in Mae Hong Son Province.

Narrative Summary	Objectively verifiable Indicators	Means for obtaining Indicators	Important Assumption
[Super Goal] (Long term goal) Enhancement of accessibility to Information Technologies (IT) in rural areas.	1. Expansion of internet access users among general households, schools and local business in rural areas.	1-1. NECTEC ICT Indicators 1-2. Report of Socio-Economic Survey by National Statistics Office (NSO)	
[Overall Goal] (Middle term goal) Rural wireless communication system is applied for rural communities' vitalization.	1. Provinces introducing the Rural Wireless Communication System. 2. Types and scale of users in the provinces introducing the Rural Wireless Communication System.	1&2 1) Interview Survey to NECTEC, NSTDA and NTC 2) NECTEC ICT Indicator	The Government of Thailand sustains the current IT policy aiming at community development.
[Project Purpose] To strengthen the capability of NECTEC in developing the effective rural wireless communication system in the Kingdom of Thailand.	1. Development of the Rural Wireless Communication System Model which was examined by Trial Test. 2. Enhancement of knowledge and skills of NECTEC about technologies of Wireless Communication System. 3. Increase of Local trainers who have capacities for training and system operation. 4. Enhancement of skills and knowledge of Field Trial Testing. 5. Proposal and Recommendation made to NTC about proposed RWCS Model. 6. Satisfaction of model users in model site.	1. 'The Study Report of RWCS' (Draft) 2-1. Interview Survey to NECTEC personnel, Japanese Experts, other actors 2-2. Evaluation Study Report of Trial Testing 3. The number of local trainers developed 4-1. Guideline for Field Trial Testing of Wireless Communication System 4-2. Monitoring report of Field Trial Testing 4-3. Interview Survey to NECTEC personnel, Japanese Experts, other actors 5. Proposal to NTC on Rural Wireless Communication Model 6. The result of Impact Survey (report)	NTC establishes the standards of Wireless Communication System
[Outputs] 1. Rural wireless communication model has been developed by NECTEC 2. Curriculum aimed to vitalize the rural areas will be developed by NECTEC in collaboration with local organizations in the Kingdom of Thailand.	1-1. Implementation of Trend Surveys of Wireless Communication technologies at Model site. 1-2. Knowledge and Skills acquired by the Trainees who participated to the Technical Training. 1-3. The design of Rural Wireless Community System Model and its parameter identified. 1-4. The Discussions held about feasibility and its usefulness of applications among related organizations. 2-1. Quality and number of Curriculum developed by NECTEC in collaboration with local organizations 2-2. Number of users who use e-Learning applications ⁶ 2-3. Quality and number of Contents ⁷ developed by the users of Curriculum ⁸	1-1. Survey Report 1-2. Technical Training Report, Interview Surveys with Trainees 1-3. 'The Study Report of Rural Wireless Communication Network Development' (Draft), Interview Survey with developers, Japanese Experts, and other actors. 1-4. Meeting Records 2-1. Curriculum Developed, Users Satisfactory Survey, Number of access to the Curriculum 2-2. Impact Survey(Report) with NECTEC 2-3. Contents developed, Interview Survey with NECTEC and users (developer), Number of access to the contents	Personnel of NECTEC who were trained thru the Project continue to work at NECTEC

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⁶ E-Learning Application(s): Existing application(s) (e.g. learning management system (LMS), video conference system etc.) used when conducting e-learning.

⁷ Contents: Defined as those materials used as eLearning. It is possible to place several contents in one curriculum. For example, if mathematics composes of "basic math content" and "basic math comprehension test", then it has one curriculum and two contents.

⁸ Curriculum: Defined as those subjects which use eLearning, not only at schools but also at governmental authorities, police departments, hospitals, and libraries. For example, "mathematics" and "computer basics" signify curriculum for school, whereas "hospital client service" for hospitals, and "library eBook management" for libraries.

[Activities]	[inputs]		
	【Thailand Side】	【Japan Side】	
<p>1. Activities for Output1.</p> <p>1-1. To carry out the survey of wireless communication technologies trend at model site.</p> <p>1-2. To design and implement the wireless communication system at the model site.</p> <p>1-3. To conduct/support WiMAX equipment procurement and to conduct the On the Job Training (OJT) for installation (e.g. tower construction, construction supervision and acceptance).</p> <p>1-4. To conduct the “On the Job Training (OJT)” for NECTEC’s personnel in the field of site planning and system design of WiMAX (Worldwide Interoperability for Microwave Access) and other training courses in Japan.</p> <p>1-5. To conduct training to the targeted local users using sample equipment.</p> <p>1-6. To test and measure the performance of wireless communication system including applications running (e.g. internet access, voice over IP, video conferencing, e-Learning, and e-Community).</p> <p>1-7. To examine and analyze the results of testing of wireless communication system and propose an evaluation study report including impact survey about socio-economic status.</p> <p>1-8. To hold seminar to share the information about wireless communication system trial test with participants from relevant organizations, such as National Telecommunications Commission (hereinafter referred to as “NTC”), Universities, Institute, etc.</p> <p>1-9. To identify and recommend the technical regulations to relevant authorities to be applied for rural wireless communication system.</p> <p>1-10. To draft ‘The Study Report of Rural Wireless Communication System Development’.</p> <p>1-11. To propose the developed rural wireless communication system model to NTC.</p>	<p>(1) Human Resources (Counterparts personnel)</p> <ol style="list-style-type: none"> 1) Project Director(NECTEC) 2) Project Manager(NECTEC) 3) WiFi/WiMAX Research Members(NECTEC) 4) Technical Staff(NECTEC) 5) Other necessary project staff from NECTEC 6) School Teachers as Trainer from Mae Hong Son Province <p>(2) Facilities</p> <ul style="list-style-type: none"> - Office for Japanese Experts(including telephone line and internet facility) - Other necessary facility for project activities <p>(3) Budget for Project Activities</p> <ul style="list-style-type: none"> - Cost for Field Trial Testing - Domestic Training of NECTEC personnel 	<p>(1) Human Resources(Japanese experts)</p> <ol style="list-style-type: none"> 1) Japanese Experts as Chief Advisor: One person 2) Other Japanese Experts for: System Design Site Planning Contents Development for e-Learning <p>(2) Equipment and material</p> <p>Equipment and material for Trial Test(Including installation cost) Software for WiMAX Site Planning</p> <p>(3) Other necessary cost for Project Activities</p> <ul style="list-style-type: none"> - Counterparts Training in Japan - Other 	<p>Unforeseen natural calamity or disaster by forced major which affects the Field Trial Test does not occur.</p> <p>Personnel of NECTEC who were trained thru the Project continue to work at NECTEC.</p>
<p>2. Activities for Output2.</p> <p>2-1. To discuss with local school teachers and local authorities (e.g. governments, hospitals, police departments, libraries etc.) of Mae Hong Son Province to develop the curriculums.</p> <p>2-2. To collaborate with targeted local users for creating the sample contents for e-Learning.</p> <p>2-3. To conduct training for local instructors in Mae Hong Son Province.</p> <p>2-4. To facilitate training for local users by local instructors</p> <p>2-5. To conduct the impact survey about the use of contents of the said curriculum.</p> <p>2-6. To share the lessons learned from the Project with other related organizations, and promote the applications of the developed curriculums in other areas in the Kingdom of Thailand.</p>			<p>[Pre-conditions]</p> <p>Frequency allocation, which is required for the Trial Test, was allocated.</p> <p>The procurement of Equipment needed for the Trial Test is available.</p>

Word definition