

Sales Breakdown and Profit/Loss Estimates for EEI

		1000	-		2000			2001			2002			2003		
(Rahks)	Unit Price/Unit	Leigh Z	Total	Unit P	Price/Unit	Total	Unit	Price/Unit	Total	Unit	Price/Unit	Total	Unit	Price/Unit	Total	
Policy Making Support (Dept. of Policy Support and Research	of Policy Supp	pue tro	┨	1			1							× = .		
1 Smdy project	5 300	300.000	1,500,000	9	300.000	1.800.000	-	300,000	2,100,000	8	300,000	2,400,000	0	300,000	2,700,000	
1.2 Standards Development		84,000	672,000	2.8	8	1,344,000	2.8	8,000	1,344,000	2*8	84,000	1,344,000	2*8	84,000	1,344,000	-
Sub-total			2,172,000		-	3,144,000			3,444,000			3,744,000			4,044,000	
Operational Cost			2,050,840			2,732,912			3,376,400		V-2	3,316,951		Alf-edi	3,359,667	
Achievement(%)			105.9		<u></u>	115.0			102.0			112.9		and the second s	120.4	
2. Information Service (Dent. of Information Center + Dept. of Industrial Promotion	Information Co	enter + 1	Sept. of Indu	Strial P	romotion a	n and Marketing)	ູ່ລ									
2.1 Member Fee	100 20	20,000	2,000,000	130	20,000	2,600,000	160	20,000	3,200,000	190	20,000	3,800,000		8	4,400,000	
2.2 Publication (1)		88	15,000	8	8	25,000	8	8	35,000	8	ठ्ठ	45,000		- Will State	55,000	1
2.3 Publication (2)	జ	88	15,000	20	200	25,000	8	88	35,000	8	8	45,000	=	-	55,000	-
2.4 Scminar	0 200	200,000	0	1	200,000	200,000	2	220,000	400,000	2	200,000	400,000	2	200,000	400,000	z
Sub-total		_	2,030,000			2,850,000			3,670,000			4,290,000			4,910,000	
Operational Cost			3,418,067			6,149,051			8,778,640		•	9,287,462			9,407,067	
Achievement(%)			59.4			46.3		•	41.8			46.2			52.2	
				_	_											I
3. Testing and Calibration Services (Testing and Calibration Center)	ces (Testing an	d Calibr	Titon Center	9						~						
3.1 T/C Service (1)	92*21	9,000	8,892,000	17*76	000.6	11,628,000	22*76	000'6	15,048,000	26-76	000,6	17,784,000	30.76		20,520,000	
3.2 T/C (2)		20,000	3,040,000	3*76	20 00	4,560,000	3.76	20,000	4,560,000	4*76	20,000	6,080,000	5.76	20,000	7,600,000	ñ.
Sub-total		l_	11,932,000	-		16,188,000			19,608,000			23,864,000			28.120,000	
Utilization Ratio & Sales		50%	5.966,000	-	70%	11,331,600		2608	15,686,400		90%	21,477,600		1000%	28,120,000 O	ା
Operational Cost			12,988,653	-		17,763,926			21,608,960	30 S		24,545,436			28,221,200	
Achievement(%)			45.9			63.8			72.6	6.744 **•	accours deputer	87.5			9.66	
4. Consulting Service (Dent. of Consultation Services)	Consultation Se	rvices)		<u> </u>												1 I
	3 900	000,000	2,700,000	5	000,006	4,500,000	S	000'006	4,500,000	5	000,000	4,500,000	S	000,000	4,500,000	æ
Sub-total		-	2,700,000			4,500,000			4,500,000			4,500,000			4,500,000	
Operational Cost			2,050,840			2,732,912			3,376,400			3,316,951		e Consissa	3,359,667	
Achievement(%))]		131.71			107			122.2						2007	I
TOTAL SALES			12,868,000			21,825,600			27,300,400		******	34,011,800			55,4,4,1	
TOTAL OPERATIONAL COST			20,508,400			29,378,800			37,140,400			40,400,800			36,1	Ì
Profit/Loss (a)		-	-7,640,400			-7,553,200			-9,840,000			-6,455,200	-		-2,773,600	
Achievement(%)	_		62.7			74.3		-	73.5			22.0		34-14	93.7	
Subsidy (b)			14,436,000			15,000,000			20,000,000			25,000,000		Side of State	25,000,000	
Net; (a) + (b)		-	0,75,000			Molow,			70,100,000			300		1	22,727]

List of Existing Equipment & Machinery at TISI-Bampoo

													THE RESIDENCE AND DESCRIPTIONS OF THE PERSON NAMED IN
ò	Items	Quan-	Price	Price	Code	Registration	Name of	Model/Size	Div. in	Location	Received Budget	Budget	Using Area
		tity	(Baht)	(Yen)		Number	Producer		charge	&	from	Year	WXL(m3)
_	Watt meter	-	11.000	33,000	0Z90NV09	204/2	YEW	2041	_	210	VOIC	2533	0.50x1.00(0.5)
					C1.01.00					~			
7	Watt meter	_	1.000	33.000	60AN0622	204/3	YEW	2041		212	VOIC	2533	
7					CI:0I:00								
3	3 Watt meter	=	000'11	33,000	60AN0621	204/4	YEW	2041	_	212	JC	2533	
					C1.01.00a				1				
4	4 Watt meter	1	11,000	33.000	8950NV09	204/5	YEW	2041	1	212	Z	2533	P-B-C
П					C1.01.00a								
\$	Watt meter		11,000	33,000	9950NV09	204/6	YEW	2041		212	JICA	2533	
					C1.01.01			1.5A	-	_			
ø	Watt meter	1	11,000	33,000	60AN0554	204/7	YEW	2041	-	212	VOIC	2533	
					C1.01.01			1,5A,120x10W					
۲	7 Watt meter	-	11,000	33,000	60AN0572	204/8	YEW	2041		212)ICV	2533	
					C1.01.01a			1.5A					- A Const
∞	8 Watt meter	1	11,000	33.000	60AN0641	204/9	YEW	2041	-	212	VOIC	2533	
					C1.01.01a			1.5A					-
6	Watt meter	1	19,667	29.000	9250NV09	204/10	YEW	2041	1	212	VOIC	2533	
					C1.01.02a			5.25A		- Standard	-		
01	10 Watt meter	1	19,667	59,000	60AN0530	11/702	YEW	2041	1	212) VOIC	2533	
					C1.01.02a			5.25A.120x50W					
Ξ	11 Digital Watt meter	-	74,111	222,333	\$100HV0S	21/502	YEW	2509	1	212)ICA	2533	
					C1.01.03			MAX 10A					-
7	12 Digital Watt meter	1	74,111	222,333	\$0A110016	204/13	YEW	2509	_	212	JICA	2533	0.60×1.20(0.72)
					C1.01.03			MAX 10A			-		· · · · · ·
2	13 Digital Watt meter	=	74,111	222,333	50AH0017	204/14	YEW	2509	_	212)CV	2533	
		-			C1.01.03			MAX 10A					
4	14 Digital Watt meter	1	61,000	183,000	90021403	204/15	HIOKI	3161	-	212	VOI	2533	
					C1.02.00a		1	500V.500A					
5	15 Watt meter		42,000	126.000	90074239	204/16	HIOKI	31843	-	212	รา	2533	
				-	C1.02.01			500V,20A					
91	16 Watt meter	_	42,000	126,000	9229006	204/17	HIOKI	31843	_	212	vair	2533	
					C1.02.01a			500V.20A				· · ·	

			-	-0	250	Panichmetican	Mameria	Madel/Size	Div in	- CONTROL I	Received Purdom	Purdom	I Isino Area
<u>.</u>	Mento	tity		(Yen)		Number	Producer		charge	Room No.	from	Year	WXL(m3)
17	Watt-hour meter	-	35,333	106,000	90079631	204/18	HIOKI	3181		212	710	2533	
					C1.02.02			1□250V.15A					
≃	18 Watt-bour meter	-	35,333	000'901	90079632 C1.02.02	204/19	HIOKI	3181	_	212	JICA 1	2533	
\$	Watt-hour meter	1	35,333	106,000	90079633 C1.02.02	204/20	HIOKI	3181	-	212	7ICV	2533	
20	20 Watt-hour meter		35,333	000*901	90079634 C1.02.02	204/21	HOKI	3181		212	ZICA	2533	
7	21 Watt-hour meter		35,333	106,000	90079635 C1.02.02	204/22	HIOKI	3181		212	Y)	2533	
R	22 Recorder	-	33,133	99,400	90063317 C1.02.02	436/19	HIOKI	3171		212	JICA	2533	
ន	23 Recorder		33,133	99,400	90063326 C1.02.02	436/20	HIOKI	3171	~	212	JICA	2533	
24	24 Recorder		33.133	99,400	90063329 C1.02.02	436/21	HIOKI	3171	P-04	212	voir	2533	
ম	25 Recorder		33,133	99,400	90063330 C1.02,02	436/22	НЮКІ	3171		212	VOIC	2533	ALCO - SON SON PARTY
R	26 Recorder		33,133	99,400	90037888 C1.02.02	436/23	HIOKI	3171		212	స్ట	2533	
72	27 Digital Power Factor Meter		82,000	246,000	50AS0013 C1.02.04	205/2	YEW	2524 480V10A		212	725	2533	
77	28 Digital Power Factor Meter		82,000	246,000	50AS0014 C1.02.04	205/3	YEW	2524 480V10A		212	<u>کار</u>	2533	
Κî.	29 AC volumeter		9,444	28,333	60AE3248 C1.03.00	427/!	YEW	2013 15,30V.		212	۲ <u>۲</u>	2533	unertherned (sec) the
<u> </u>	30 AC voluncter	1	9,444	28,333	60AE3301 C1.03.00	427/2	YEW	2013 15.30V.	_	212	<u>၌</u>	2533	-30.354
Ď.	31 AC voltmeter		9,444	28,333	60AE3252 C1.03.00	427/3	YEW	2013 15.30V.	-	212	<u> </u>	2533	
l _M	32 AC voluncter	-	9,533	28,600	60AE3228 C1.03.01		YEW	2013 150,300V.		212	725	2533	
m	33 AC volumeter		9.533	28,600	60AE3292 C1.03.01		YEW	2013 150,300V.	-	212	JICA	2533	
۱۳	34 AC voltmeter		9,533	28,600	60AE3250 C1.03.01	427/6	YEW	2013 150,300V.	-	212	7)IC	2533	

2	liens.	Ousn	Price	Price	رکون	Registration	Name of	Model/Cine	3.00	1 000	-	D. Control	Floring Ages
		tity	(Baht)	(Yen)		Number	Producer	770 7700	charge		from Year	Year	WXL(m3)
35	AC voltmeter	-	9.533	28,600	1	427/7	YEW	2013	_		ΥSIC	2533	
I								150,300V.					
<u>۾</u> ا	36 AC volumeter		9,533	28,600	60AE3279 C1.03.01	427/8	YEW	2013 150,300V.	_	212	<u>ال</u> ا	2533	
37	AC voltmeter	-	9,444	28,333		427/9	YEW	2017	-	212	VOIC	2533	
								30,75,150,300V.					
38	AC voltmeter	_	9,444	28.333	70AD0070 C1.03.02	427/10	YEW	2017 30.75.150.300V.		212	Y)	2533	
39	39 AC voltmeter	1	9,444	28,333	4	427/11	YEW	2017		212	7)CV	2533	
1					- 1			30,75,150,300V.					
6	40 AC voltmeter	_	9.500	28.500	60AE3316 C1.03.03	427/12	YEW	2013 300,750V.		212)ICV	2533	
4	41 AC voltmeter		005"6	28,500	ŀ	427/13	YEW	2013 300,750V		212	JICA	2533	
42	42 Electro-static voltmeter	-	27,667	83.000	۳	427/14	YEW	2064	_	212	זוכע	2533	
\$	Electro-static voltmeter	=	11.667	35.000	1	427/15	YEW	2065	_	207	Ş	2533	
4	44 DC voltmeter	-	9,111	27,333	70AA02593 C1.04.00.1	427/16	YEW	2011 3,10,30,100V.	-	212	Y) T	2533	
\$	45 DC voltmeter	=	9,111	27,333	1	427/17	YEW	2011		212	VOIC	2533	
								3,10,30,100V.					
\$	46 DC voltmeter		9,111	27,333		427/18	YEW	2011 3.10,30,100V.		212	NOI	2533	
41	47 DC voltmeter	-	9,167	27,500	70AA02640 C1.04.00.2	61/275	YEW	2011		212	22	2533	
\$	48 DC voltmeter	-	9,167	27,500	70AA02643 C1.04.00.2	427/20	YEW	2011	-	212	7)CV	2533	
\$	49 DC voltmeter		9,133	27,400	70AA02405 C1.04.30a	12/124	YEW	2011 30,100,300,1000V.	-	212	YOU	2533	
S	50 DC volumeter	-	9,133	27,400	70AA02406 C1.04.00a	427/22	YEW	2011 30,100,300,1000V.	-	212	S	2533	
51	51 DC voluncter	-	9,133	27,400		427/23	YEW	2011 30,100,300,1000V.	-	212	V)IC	2533	
22	52 DC voltmeter		9,133	27,400	70AA02781 C1.04.00a	427/24	YEW	2011 30 100 300 1000V	-	212	NOI	2533	
												-	

53 DC voltmeter 54 DC voltmeter 55 DC voltmeter 55 DC voltmeter		,				,			_				
53 DC voltmeter 54 DC voltmeter 55 DC voltmeter		È	(Baht)	ડ ે		Number	Producer		charge	Room No.	from	Year	WXL(m3)
S4 DC voluncter S5 DC voluncter		E	9,133	27,400	7000000	427/25	YEW	2011	-	212	VOIC	2533	
54 DC voluncter 55 DC voluncter					C1.04.003			30,100,300,1000V.					
55 DC voltmeter	:	-	16,500	49.500	70AC00215 C1.06.00	428/1	YEW	2012 1πΛ-30A	-	212	JICY	2533	
ex Inc. solunder			16,500	49,500	70AC00219	428/2	YEW	2012		212	VOIC	2533	
Tex Inc. Soliment					C1.06.00			SUM V-1000 V.				- 1	
20 DC. Volumeter			16.500	49.500	70AC00217 C1.06.00a	428/3	YEW	2012 1mA~30A	-	212	နှင့် သ	2533	
57 DC voltmeter			16,500	49,500	70AC00221	428/4	YEW	2012	-	212	YOK T	2533	
					C1.06.00a			50mV~1000V.					
58 AC volt-ammeter	ter	<u> </u>	18.167	54,500	60AG0617	428/5	YEW	2014	_	212	Ş	2533	
		· · · · · · · · · · · · · · · · · · ·	0		C1.07.00			0.15A-30A 30V-750V.				- 	
59 AC volt-ammeter	1cr	_		54.500	90VC0590	428/6	YEW	2014	_	212) ICV	2533	
			0		C1.07.00			0.15A-30A					
								30V-750V.					
60 AC volt-ammeter	ter	-	18,167	54.500	60AG0589	428/7	YEW	2014		212	స్ట	2533	
				-	C1.07.00			0.15A~30A					
			0					30V~750V.					
61 AC volt-ammeter	:ter			54.500	60AG0585	428/8	YEW	2014		72	<u>ک</u>	2533	
:			ō		C1.07.00			0.15A~30A			***************************************		
,								30V~750V.					
62 AC ammeter		=	798.6	29,600	60AE2743	428/9	YEW	2013		212	స్ట	2533	
					C1.08.01			0.1.0.2.0.5.1A				-	
63 AC ammeter			9.867	29,600	60AE2754 C1.08.01	428/10	YEW	2013 0.1.0.2.0.5.1A		212	술	2533	
64 AC ammeter		_	9,867	29,600	60AE3302	428/11	YEW	2013		212)ICV	2533	
					C1.08.01			0.1.0.2.0.5.1A		more			
65 AC ammeter			798.6	29,600	60AE3313	428/12	YEW	2013		212	<u>ည်</u>	2533	
					C1.08.01			0.1.0.2.0.5.1A					
66 AC ammeter		~**	298.6	29,600	60AE3317	428/13	YEW	2013		212	క్ష	2533	
					- 1			0.1.0.2.0.5.1A					
67 AC ammeter			6.367	29,600	_	428/14	YEW	2013		212	Ş	2533	
				ı				0.5.1.2.5A					
68 AC ammeter			6,867	28,600	•	428/15	YEW	2013		212	Ş	2533	
					C1.08.02	210		0.5,1,2,5A			1.0		

ģ	ltems	Quan	Price	Price	ခွင့် လ	Registration	Name of	Model/Size	Div. in	Div. in Location	Received Budget	Budget	Using Area
		tity		(Yen)		Number	Producer		charge	Коот No.	from	Year	WXL(m3)
69	AC ammeter		6,867		60AE2932	428/16	YEW	2013	-	212	VOI	2533	
					C1.08.02			0.5.1.2.5A					
8	70 AC ammeter		9.867	29.600	60AE2941 CL08.02	428/17	YEW	2013 0.5.1.2.5A	-	212	Y)IC	2533	
7	AC ammeter	-	798.6	29,600	60AE2963	428/18	YEW	2013	-	212	JiCA	2533	
					C1.08.02			0.5.1.2.5A					
22	72 AC ammeter	~	798,6	29,600	60AE2973	428/19	YEW	2013		212	JICA	2533	
					C1.08.02a			0.5.1.2.5A					
2	73 AC ammeter		9,867	29,600	60AE3299	428/20	YEW	2013	P=4	212	Z	2533	
				}	C1.08.023			0.5.1,2,5A					
4	74 AC ammeter		298'6		60AE3312 C1.08.02a	428/21	YEW	2013 0.5.1.2.5A		212	<u>၌</u>	2533	
75	AC ammeter	-	6.867	29,600	60AE3318	428/22	YEW	2013	-	212	7 Sir	2533	
					C1.08.02a			0.5.1.2.5A		-			
76	76 AC ammeter	_	298'6	29.600	60AE3324 C1.08.02a	428/23	м3Å	2013 0.5.1.2.5A	-	212	VOI	2533	
77	77 AC ammeter	Ē	798.6	009'62	60AE3249	428/24	YEW	2013	_	212	525	2533	
					C1.08.03			2.5.10.20A					
78	78 AC ammeter	-	6,867	29.600	60AE3294	428/25	YEW	2013	1	212	VOIC	2533	
				Ì	C1.08.03			2.5.10.20A					
ጀ	79 AC ammeter	~	9.867	29.600	60AE3308	428/26	YEW	2013	-	212	NCA	2533	
					C1.08.03			2,5,10,20A					
8	80 AC ammeter		9.867	29.600	60AE3320	428/27	YEW	2013	-	212	క్ష	2533	
×	RI AC ammader	-	0 X67	20,600	TITE SAGA	X2/X2F	W.i.v	2013	-	212	\\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\	75.27	
5					C1.08.03	}		2.5.10.20A	•	 !			
잃	82 AC anmeter		9.867	29,600	60AE3285	428/29	YEW	2013	-	212	7)CV	2533	
					C1.08.04			10.30.100.300mA					
83	83 AC ammeter	_	798,6	29,600	60AE3286	428/30	YEW	2013		212	JICA	2533	
					C1.08.04			10,30,100,300mA					
%	84 AC ammeter	_	9,867	29.600	60AE3315	428/31	YEW	2013	-	212	どに	2533	
					C1.08.04			10,30,100,300mA				_	
%	85 AC ammeter	P1	9,867	29,600	60AE3323 C1.08.04	428/32	YEW	2013 10.30,100,300mA	-	212	۲ کار	2533	
8	86 AC anmeter	-	298.6	29,600	60AE3326	428/33	YEW	2013		212	JICA	2533	
]					C1:00:04			1 10,50,100,500					

92		Items	<u> </u>	Ouan	Price	25.5	Code	Registration	Name of	Model/Size	Div. in	Location Received Budget	Received	Budger	Using Area
			, cit		(Baht)	(Yen)		Number	Producer		charge		from	Year	WXL(m3)
87 DC	DC voluncter		_	-	7.933	23.800	70AA02614	428/34	YEW	2011		212	var	2533	
					-		C1.09.01			10,30,100,300mA	_				
<u>%</u>	88 DC voltmeter			<u></u>	7,933	23.800	70AA02574 C1.09.01	428/35	YEW	2011 10.30,100,300mA	-	212	voir	2533	
88 88	89 DC voltmeter	:	-	-	7,933	23,800	70AA02613	428/36	YEW	2011	_	212	VOIC	2533	
			-	-			CI:09:01			10.30,100,300mA					
<u>8</u>	90 DC voluncter			-	7,933	23.800	70AA02572 C1.09.00	428/37	YEW	2011 10.30,100,300mA	-	212	JICA	2533	
<u>ه</u>	DC voltmeter			-	7,933	23,800	70AA02573	428/38	YEW	2011	_	212	vair	2533	
			-	\dashv			10.80 IJ			10.30,100,300mA					
상 상	92 DC voltmeter				7.933	23.800	70AA02820 C1 09 02	428/39	ΥΕ₩	2011		212	<u></u>	2533	
83	93 DC voltmeter	-	 	╁	7.933	23,800	70AA02828	428/40	YEW	2011	E	212	JICA	2533	
							C1.09.02			0.1.0.3.1.3A					
\$ X	UC voltmeter		 	-	7.933	23.800	70AA02823 C1.09.02	428/41	YEW	2011 0.1,0,3.1,3A	ecs	212	JICA	2533	
% \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	95 DC voltmeter			-	7,933	23,800	70AA62829	428/42	YEW	2011	-	212	VOIC	2533	
			+	-			C1.09.02			C. 1.0.0.1.0	ŀ		7.5%	1622	
<u>メ</u>	% DC voltmeter				7,933	23,800	70AA02830 C1.09.02	428/43	YEW	2011 0.1.0.3.1.3A		717	Ş	232	
۶ ۵	97 DC voluncter		-		7.933	23.800	70AA02758 C1.09.03	428/44	YEW	2011 1.3.10.30A	p#8	212	JICA	2533	
<u>%</u>	98 DC voltmeter			-	7,933	23,800	70AA02771	428/45	YEW	2011	_	212	JICA	2533	
<u>メ</u>	99 DC voltmeter			+-	7.933	23.800	70AA02770	128/16	YEW	2011	_	212	7)(2533	
2	100 DC voltage		-	╬	7.933	23.800	70AA02756	428/47	YEW	1,3,10,30A 2011		212	స్త	2533	
<u> </u>				,			C1.09.03			1,3,10,30A					
<u>ā</u>	101 DC voltmeter				7,933	23.800	70AA02762 C1.09.03	428/48	YEW	2011 1.3.10.30A		212	7.CV	2533	
201 70	102 DC voltmeter			=	7,800	23,400	70AA02768 C1.09.03a	428/49	YEW	2011 1,3.10.30A		212	<u>ح</u>	2533	
103 Z	103 DC voltmeter				7.800	23,400	70AA02749 C1.09.03a	428/50	YEW	2011 1,3,10,30A		212	JICA	2533	
호 호	104 DC voltmeter				7.800	23,400	70AA02764 C1.09.03a	428/51	YEW	2011 1.3,10,30A		212	JICA	2533	

No.		105 DC voltmeter		106 DC voltmeter	1		200	108 Therm	109 Therm		110 Therme		111 Therm	112 Therm		[113] Thermx	114 Thermo		115 Digital AC meter	116 Digital AC meter	117 Digital AC meter	118 Digital AC meter	119 Digital AC meter	120 Digital AC meter	121 Digital multimeter	
ltems		Imeter		ltmeter		10/1 nermo-couple type animeter		108 Thermo-couple type anmeter	109 Thermo-couple type ammeter		110 Thermo-couple type anmeter		111 Thermo-couple type ammeter	112/Thermo-couple type ammeter		113 Thermo-couple type ammeter	114 Thermo-couple type anmeter		AC meter	AC meter	AC meter	AC meter	AC meter	AC mater	multimeter	
Ouan	ĝ	_	_						_		-	_	-	-		-	_		-	-		_		-	-	ľ
	(Baht)	7.800		7,800		25.000		35,000	35.000		35,000	-	35,000	32,000		34,167	34.167		412,000	412,000	412,000	412,000	412,000	223,500	223,500	**
Price		23,400	l	23.400	000 301		ı	105,000	105,000		105,000		105.000	000'501		102,500	102.500		1,236,000	1,236,000	1,236,000	1,236,000	1,236,000	005*029	670,500	44.47
နို ပိ	- 1	- 1	- 1	70AA02799	ı	0	- 1	60AJ00191 C1.10.02	ľ		89101V09		60AJ0092 M1.03.02	6910(V09		•	60\J0139	C1.10.04	50AU0449 C1.11.00	50AU0451 C1.11.00	<u> </u>	90022027 C1.11.01a	90022028 C1.11.02		0	1000.100
Registration	Number	428/52		428/53	73/04/	478/24		428/55	428/56		· 428/57		428/58	428/59		428/60	428/61		1/674	429/2	429/3	429/4	429/5	9/675	429/7	9,000
	Producer	YEW		YEW	78.37	¥E₩		YEW	YEW		YEW		YEW	YEW		YEW	YEW		YEW	YEW	HOKI	HIOKI	HIOKI	NATIONAL	NATIONAL	
Model/Size		1102	1.3.10.30A	13.10.204	ANC.VI.C.1	20102	5,10,20,50mA	20.50.100.200mA	2016	100,200,500,1000m/	2016	5.10,20,50mA	2016	2016		2016 15.30.75.150V	2016	15,30,75,150V	2533	2533	3191	3191	3191	VP-2710A	VP-2710A	
Div. in	charge	1		-].				_	. <	_		-	-			-		p.m.			_	_			
Location	옶	212		212		212		231	212		207		202	207		212	212		212	212	212	212	212	212	212	
Received	from	JICA		voir		<u>ရ</u>		ర్ష	V)IC		Ϋ́		VOIC	Y)[YOIF	Y)(YCA Y	∑ir	<u></u>	YSI	JICA	Y)	<u>کار</u>	
	Year	2533		2533		2533		2533	2533		2533		2533	2533	**************************************	2533	2533		2533	2533	2533	2533	2533	2533	2533	
Using Area	WXL(m3)																									
,		1		j _`	T				T		Γ		[Γ	-1-1-		Τ			T	1		T	T	1	ĩ

1	No. Items	Quan	Price (Bahr)	Price (Yer)	Code	Registration	Name of Producer	Model/Size	Div. in	Location Room No.	Received Budget from Year	Budget	Using Area
1 2,333 7,000 0B0270 429/10 HIOKI 3123 1 212 JICA	123 Digital multimeter	-	21.167	63,500	99AM0189	429/9	YEW	7542	-	212	JICA	2533	
1	124 Clamp multimeter	_	2,333	7,000	0B0270	429/10	HOKI	3128		212	Σ	2533	
1 4,000 12,000 89223804 375/2 HIOKI 3231 1 114 IICA 1120 IICA 11200 12,000 89223817 375/3 HIOKI 3231 1 114 IICA IICA IICA IICA IICA IICA 12,000 IICA	125 Clamp multimeter		2,333	7,000	0C0153 C1.14.008	429/11	HIOKI	3128	-	219	זוכא	2533	
1	126 Digital circuit tester		4.000	12,000	į (375/2	нюкі	3231	-	212	Y)IC	2533	
1 4,000	127 Digital circuit tester	-	4,000	12,000	•	375/3	HIOKI	3231	#-B	41.	JICA	2533	
1 4,000 12,000 89223817 375/5 HIOKI 3231 1 207 HICK 1 4,000 12,000 89223822 375/6 HIOKI 3231 1 207 HICK 1 4,000 12,000 89028320 375/7 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902832 375/8 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902837 375/8 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902877 375/1 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902877 375/1 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902877 375/1 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902877 375/1 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902877 375/1 HIOKI 3231 1 212 HICK 1 4,000 12,000 8902877 375/1 HIOKI 3231 1 212 HICK 1 4,000 12,000 800287 375/1 HIOKI 3231 1 212 HICK 1 4,000 12,000 8002802 375/1 HIOKI 3231 1 212 HICK 1 4,000 282,000 8002802 202/2 YEW 2768 1 108 HICK 1 131,333 394,000 5002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,000 8002803 202/2 YEW 2752 1 108 HICK 1 148,000 444,0	128 Digital circuit tester	-		12.000	90017723 C1.15.00	375/4	HIOKI	3231	_	219	JICA	2533	
1 4,000 12,000 89223822 375/6 HIOKI 3231 1 207 IICA 1 4,000 12,000 90208245 375/8 HIOKI 3231 1 212 IICA 1 4,000 12,000 90008245 375/8 HIOKI 3231 1 212 IICA 1 4,000 12,000 90017724 375/9 HIOKI 3231 1 212 IICA 1 4,000 12,000 90017724 375/9 HIOKI 3231 1 212 IICA 1 4,000 12,000 90039276 375/10 HIOKI 3231 1 212 IICA 1 4,000 12,000 90039276 375/11 HIOKI 3231 1 212 IICA 1 4,000 12,000 90059276 375/11 HIOKI 3231 1 212 IICA 1 183,000 282,000 9050024 2022 YEW 2768 1 108 IICA 1 94,000 282,000 9050037 2024 YEW 2752 1 207 IICA 1 131,333 394,000 9050037 2024 YEW 2752 1 108 IICA 1 148,000 444,000 9058039 2025 YEW 2752 1 108 IICA 1 148,000 444,000 9058039 2025 YEW 2752 1 108 IICA 1 148,000 444,000 9058039 2025 YEW 2752 1 108 IICA 1 148,000 9058039 2025 YEW 2752 1 108 IICA 1 148,000 9058039 9025 YEW 2752 1 108 IICA	129 Digital circuit tester		4,000	12,000	89223817 C1.15.00	375/5	HOKI	3231	-	207	JICA	2533	
1 4,000 12,000 90092270 375/7 HIOKI 3231 1 212 JICA C1.15,00a C1.15,00a	130 Digital circuit tester			12.000		375/6	HIOKI	3231	-	207	JICA	2533	
1 4,000 12,000 90008245 375/8 HIOKI 3231 1 212 JICA C1.15.00a	131 Digital circuit tester	_	4,000	12,000	_	375/7	HIOKI	3231	_	212	JICA	2533	in Zantin-Brish Life
1 4,000 12,000 90017724 375/9 HIOKI 3231 1 212 JICA C1.15.00a 2015.00a 375/10 HIOKI 3231 1 212 JICA C1.15.00a 215.00a 375/11 HIOKI 3231 1 212 JICA C1.15.00a 463419 430/1 ANDO AG-4304 1 212 JICA C1.15.00a 463419 430/1 ANDO AG-4304 1 212 JICA C1.16.00 C2.01.00 C2.01.00 S0FC0024 202/2 YEW 2768 1 108 JICA C2.01.00 A1.04.00 S0ES0037 202/4 YEW 2752 1 207 JICA C2.02.00 C2.02.00 A1.04.00 S0ES0037 202/2 YEW 2752 1 108 JICA C2.02.00 A1.04.00 S0ES0037 A1.04.00 S0ES0037 A1.04.00 A1.04.00 S0ES0037 A1.04.00 A1.04.00 S0ES0037 A1.04.00 A1.04.00 A1.04.00 S0ES0039 A1.04.00 A1.04.00 A1.04.00 A1.04.00 A1.04.00 S0ES0039 A1.04.00	132 Digital circuit tester		4.000	12.000	_	375/8	HIOKI	3231	-	212	JICA	2533	**************************************
1	133 Digital multimeter	-	4,000	12,000		375/9	HIOKI	3231	-	212	JICA	2533	and the second second
1 4,040 12,000 94059276 375/11 1110Ki 3231 1 212 JICA C1.15,00a C1.15,00a C1.15,00a C1.15,00a C1.16,00 C1.16,00 C1.16,00 C1.16,00 C1.16,00 C2.16,00 C2.16,00 C2.16,00 C2.16,00 C2.01,00 C2.01,00 C2.01,00 C2.01,00 C2.01,00 C2.01,00 C2.01,00 C2.02,3 YEW C2.05 ICA ICA C2.02,00 C2.02,00 C2.02,4 YEW C2.752 I C207 JICA C2.02,00 C2.02,00	134 Digital multimeter		<u> </u>	12,000	ı	375/10	HIOKI	3231		212	7ICA	2533	n. Serr.
183,000 549,000 463419 430/1 ANDO AG-4304 1 212 JICA 1 94,000 282,000 50FC0024 202/2 YEW 2768 1 108 JICA 2 44,000 282,000 50FC0026 202/3 YEW 2752 1 207 JICA 3 131,333 394,000 50ES0037 202/4 YEW 2752 1 207 JICA 1 148,000 444,000 50ES0039 202/5 YEW 2752 1 108 JICA 1 148,000 444,000 50ES0039 202/5 YEW 2752 1 108 JICA	135 Digital multimeter	_	7,000	12,000	90059276 C1.15.00a	375/11	HIOKI	3231		212	JICA	2533	
1 94,000 282,000 50FC0024 2022 YEW 2768 1 108 JICA C2.01.00 C2.01.00 SOFC0026 202/3 YEW 2768 1 207 JICA III.333 394,000 50ES0037 202/4 YEW 2752 1 207 JICA C2.02.00 C2.02.00 C2.02.00 C2.02.00 C2.02.00 C2.02.00 C2.02.00 MI.06.00 MI.06.00	136 Capacitance motor		183,000	549,000	463419 C1.16.00	430/1	OGNY	AG-4304		212	JICA	2533	W. 3.44 34.03340
idge 1 94,000 282,000 50FC0026 202/3 YEW 2768 1 207 JICA 1 131,333 394,000 50ES0037 202/4 YEW 2752 1 207 JICA 1 148,000 444,000 50ES0039 202/5 YEW 2752 1 108 JICA M1.06.00 M1.06.00 M1.06.00 1 1 108 JICA	137 Wheatstone bridge	p	94,000	282,000		202/2	YEW	2768	***	801	11CA	2533	
1 131,333 394,000 50ES0037 202/4 YEW 2752 1 207 JICA C2.02.00 C2.02.00 1 148,000 444,000 50ES0039 202/5 YEW 2752 1 108 JICA M1.06.00	138 Wheatstone bridge		94,000	282,000	1	202/3	YEW	2768	P -E	207	JICA	2533	
1 148,000 444,000 50ES0039 202/5 YEW 2752 1 108 JICA M1.06.00	139 Double bridge		131,333	394,000	50ES0037 C2.02.00	202/4	YEW	2752	**************************************	207	<u>ئي</u> ر	2533	
	140 Double bridge		148,000	444,000	\$0ES0039 M1.06.00	202/5	YEW	2752	-	801	VOI	2533	

52	l'ame		Dailes	Delea	3,33	Daging		:3/1-7		L			
	CALLES .	city	(Baht)	(Yen)	2000	Number	Producer	INIOGEN SIZE	Charge	Room No.	from Year	Year	Using Area WXL(m3)
141	141 Electronic golvanometer		76,667	230,000	50EC0045 C2.03.00	431/1	YEW	2709		207	YOU	2533	
142	142 Electronic golvanometer	-	80,333	241,000	\$0EC0039 M1.05.00	431/2	Way	2709		202	NO	2533	
143	143 Decade resistance box: lowZ	-	54,583	163,750		432/1-1	yew	2793		801	7 <u>)</u> [2533	
144	144 Decade resistance box: lowZ		54,583	163.750	50FT0304	432/1-2	YEW	2793	-	801	YOL	2533	
145	145 Decade resistance box: lowZ		54,583	163.750	\$0F.10302	432/1-3	YEW	2793		801	VOIC	2533	
146	146 Decade resistance box; lowZ	-	54.583	163,750	50F.T0306	432/1-4	мЗY	2793		108	YOI	2533	
147	147 Decade resistance box; lowZ	-	54,667	164,000	50FT0307 M1.07.00	432/2	YEW	2793		207	Σ <u>i</u>	2533	
148	148 Decade resistance box: HighZ	-	88.667	266.000	50FT1088 C2.05.00	432/3-1	YEW	2793	-	108	JICA	2533	
149	149 Decade resistance box: HighZ	-	88,667	266.000	50FT1086 C2.05.00	432/3-2	YEW	2793	-	801	VOIC	2533	
150	150 Decade resistance box: HighZ	-	88,667	266.000		432/3-3	YEW	2793		801	Y)I	2533	
151	151 Decade resistance box: HighZ	-	88.667	266,000	٠.	432/3-4	YEW	2793		801	JICA	2533	
152	152 Resistors for discharge test	-	54,500	163,500	C2.06.00	433/1-1	TAIYOO KEIKI	6	-	212	V)IC	2533	
153	153 Resistors for discharge test		54,500	163.500	C2.06.00	433/1-2	I AIYOO KEIKI	•	-	212	Ş	2533	
154	154 Rheostat	-	000*6	27,000	89804 C2.07.00	433/2	OGAWA SEIKI	OSK-10244	-	212	V)IC	2533	
155	155 Rheostat	_	000.6	27,000	89805 C2.07.00	433/3	OGAWA SEIKI	OSK-10244		212	S	2533	
156	156 Switch resistance tester	-	71,833	, ,	041680B122 C2.08.00	202/6	NATIONAL	VP-2811A		212	JICA	2533	
157	157 Switch resistance tester		71,833		041681B122 C2.08.00	202/7	NATIONAL	VP-2811A		212	JICA	2533	
158	158 Oscilloscope	-	84,778	254,333	040167E125 C3.01.00.1	434/1-1	NATIONAL	VP-5566A	-	211	JICA	2533	
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No.	Ouan	Price	Price	Code	Registration	Name of	Model/Size	Div. in	Location	Received Budget	Budger	Using Area
	, ž	= 	(Yea)		Number	Producer		charge	Room No.	from	Year	WXL(m3)
159 Oscilloscope		84,778	254,333	l~	434/1-2	NATIONAL	VP-5566A		211)ICA	2533	
				C3.01.00.1				_				
160 Oscilloscope	****	84,778	254,333	03136E125 C3.01.00.1	434/1-3	NATIONAL	VP-5566A		211	VOIC	2533	
161 Oscilloscope	_	84.778	254,333	030123E125 C3.01.00.1	434/1-4	NATIONAL	VP-5566A		211	VOIT	2533	
162 Oscilloscope	~	84,778	254,333	030133E125 C3.01.00.1	434/1-5	NATIONAL	VP-5566A	_	211	JICA	2533	
163 Oscilloscope		84.778	254,333	040154E125 C3.01.00.1	434/1-6	NATIONAL	VP-5566A		211	JICA	2533	
164 Storage oscilloscope		173,667	521,000	21171109 C3.02.00	434/2	IWATSU	MS-5311		211	JICA	2533	
165 Storage oscilloscope	_	173,667	521,000	2171110 C3.02.00a	434/3	IWATSU	MS-5311	*****************************	211	NCA 1	2533	
166 Frequency meter	1	14,167	42,500	•	435/1.1	YEW	2038		212)ICA	2533	
167 Frequency meter		14,167	42,500	70AF00087 C3.03.00	435/1.2	YEW	2038	p.a	212	7)CV	2533	
168 Frequency meter	-	14.000	42.000	_	435/2	мЗA	2038		212	JICA	2533	
169 Frequency meter		14,000	42,000	_	435/3	YEW	2038		212	YO!	2533	
170 Stop clock		7.800	23,400		40/15	SEIKO	1115		211	VOIL	2533	
171 Stup clock		7,800	23,400	`	40/16	SEIKO	S-112	_	211	\ \ \ \ \	2533	
172 Stop clock		7.800	23,400	902235 C4.04.00	40/17	SEIKO	S-113		211	ភ្ន	2533	
173 Stop clock		7,800	23,400	902235 C4.04.00	40/18	SEIKO	S-114		211	V)I	2533	
174 Stop clock		7,800	23,400	C4.04.00	40/19	SEIKO	S-115		211	Y)IC	2533	
175 Digital stroboscope		71,667	215,000	0017231 C4.05.00	245/6	SUGAWARA	OSK-4795	p. 4	211	<u>کار</u>	2533	
176 Digital stroboscope		71,667	215,000	0017232 C4.05.00	245/7	SUGAWARA	OSK-4795	F 4	211	JiCA	2533	

175 Digital thermometer 113,833 341,500 SCCO101 SVCO101 SVCO10	No. Items	Quan		Price	Code	Registration		Model/Size	Div. in	Location	Received	,	Using Area
113,833 341,300 SOCCOOLS 2542.1-2 YEW 2371 1 211 JICA 2533 2533 253,000 2501,000 2502.0-1 YEW 2315 1 211 JICA 2533 2533 253,000 2501,000 2502.0-1 YEW 2315 1 211 JICA 2533 253,000 2502.0-1 Z54,667 764,000 4058013 436.0 YEW 3081 1 211 JICA 2533 253,000 4058013 436.0 YEW 3087 1 211 JICA 2533 253,000 4058013 436.0 YEW 3087 1 211 JICA 2533 253,000 2502,000		tity	(Baht)			Number	Producer		charge		from	Year	WXL(m3)
138.67 119,000 500,01016 2542,2-1 YEW 2315 1 211 JICA 2533 250,01016 2542,2-1 YEW 2315 1 211 JICA 2533 250,0100 2540,000 500,010019 2542,2-2 YEW 2315 1 211 JICA 2533 254,000 500,010019 2542,2-2 YEW 2081 1 211 JICA 2533 254,000 500,01019 2542,2-2 YEW 2081 1 211 JICA 2533 254,000 405,01019 456.7 YEW 3087 1 212 JICA 2533 253,000 250,000 456.7 YEW 3087 1 212 JICA 2533 253,000 250,000	177 Digital thermometer	-	113,833			254/2.1-1	YEW	2571	-	211	VOIC	2533	
1 39,667 119,000 50C,10017 254,22-1 YEW 2815 1 211 JICA 2533 254,667 764,000 60C,10019 43671 YEW 3081 1 211 JICA 2533 254,667 764,000 60C,10013 43671 YEW 3081 1 211 JICA 2533 254,667 764,000 60C,10013 43672 YEW 3087 1 211 JICA 2533 254,667 764,000 60C,10013 43672 YEW 3087 1 211 JICA 2533 254,677 254,080 43674 YEW 3087 1 212 JICA 2533 254,677 254,080 43674 YEW 3087 1 212 JICA 2533 254,167 40C,0197 43644 YEW 3087 1 207 JICA 2533 254,167 40C,0197 43647 YEW 3087 1 207 JICA 2533 254,287 436,09 1167 40C,0194 43676 YEW 3087 1 212 JICA 2533 254,287 436,00 11807003 4367 YEW 3087 1 212 JICA 2533 254,287 436,00 11807003 4367 YEW 3087 1 212 JICA 2533 254,287 436,00 11807003 254,3 YEW 3087 1 114 JICA 2533 254,287 436,00 11807003 254,3 YEW 254,2 1 211 JICA 2533 254,287 234,580 11807003 254,3 YEW 254,2 1 211 JICA 2533 254,287 413,500 DA4127PS 436,10 TOA DEMPA FBR-253A 1 211 JICA 2533 254,287 234,380 234,370 234,370 1 237,381 23	178 Digital thermometer		113,833	L		254/2.1-2	YEW	2571		211	JICA	2533	
33,667 119,000 506,1001 254,22.2 YEW 2815 1 211 JICA 2533 254,667 764,000 405,0013 4361 YEW 3081 1 211 JICA 2533 254,667 764,000 405,0013 4361 YEW 3087 1 212 JICA 2533 253,038 691,167 406,0198 4364 YEW 3087 1 207 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 207 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 207 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 212 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 212 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 212 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 212 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 212 JICA 2533 230,338 691,167 406,0196 4364 YEW 3087 1 212 JICA 2533 230,338 691,167 406,0196 4364 YEW 2542 1 211 JICA 2533 230,338 43,600 T1507003 43,600 T	179 30 point selector		39,667			254/2.2-1	YEW	2815	P •	2;1)ICV	2533	
1 254.667	180 30 point selector		39,667		•	254/2.2-2	YEW	2815	-	211	JICA	2533	:
1 234.465 764.000 40310131 436.2 YEW 3081 1 212 JICA 2533 230,389 691.167 40RA0193 436.3 YEW 3087 1 113 JICA 2533 230,389 691.167 40RA0193 436.4 YEW 3087 1 200 JICA 2533 230,389 691.167 40RA0193 436.4 YEW 3087 1 200 JICA 2533 230,389 691.167 40RA0193 436.4 YEW 3087 1 200 JICA 2533 230,389 691.167 40RA0193 436.4 YEW 3087 1 200 JICA 2533 230,389 691.167 40RA0193 436.7 YEW 3087 1 212 JICA 2533 230,389 691.167 40RA0193 436.7 YEW 3087 1 212 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 212 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 691.167 40RA0194 436.8 YEW 3087 1 JICA 2533 230,389 43,600 JISO7004 436.9 TISO7004 230,399 24,600 JISO7004 436.9 TISO7004 436.9 TISO7004 230,399 24,600 JISO7004 436.9 TISO7004 436.9 TISO7004 436.9 TISO7004 230,390 24,600 JISO7004 436.9 TISO7004 436.9 TISO7004 436.9 TISO7004 436.0 TISO7004 436.	181 Hybrid recorder	-	254,667	764,000		436/1	YEW	3081	4-14	211	JICA	2533	0.44×0.37(0.16)
1 230,389 691,167 40RA0198 43643 YEW 3087 1 113 JICA 2533 1 230,389 691,167 40RA0197 43644 YEW 3087 1 207 JICA 2533 2 230,389 691,167 40RA0195 43665 YEW 3087 1 207 JICA 2533 2 230,389 691,167 40RA0195 43665 YEW 3087 1 212 JICA 2533 2 230,389 691,167 40RA0194 43668 YEW 3087 1 212 JICA 2533 2 230,389 691,167 40RA0194 43668 YEW 3087 1 212 JICA 2533 3 230,389 691,167 40RA0194 43668 YEW 3087 1 114 JICA 2533 4 230,389 691,167 40RA0194 43668 YEW 3087 1 114 JICA 2533 4 230,389 413,500 TISO7003 4367 TOA DEMPA FBR-253A 1 210 JICA 2533 4 230,383 413,500 DA4117FS 43640 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4117FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 413,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 4 23,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 4 23,500 DA4137FS 43641 TOA DEMPA FBR-253A 1 211 JICA 2533 4 230,383 4 23,500 DA4137FS 43641 TOA DEMPA	182 Hybrid recorder		254,667			436/2	YEW	3081		212	JICA	2533	
1 230,389 691,167 40RA0197 436/4 YEW 3087 1 207 JICA 2533 C5.03.00 C5.03.	183 Hybrid recorder	1	230,389	1.169		436/3	YEW	3087	==	113	JICA	2533	
1 230,389 691,167 40RA0195 436/6 YEW 3087 1 208 JICA 2533 230,389 691,167 40RA0196 436/6 YEW 3087 1 212 JICA 2533 230,389 691,167 40RA0194 436/8 YEW 3087 1 212 JICA 2533 230,389 691,167 40RA0194 436/8 YEW 3087 1 212 JICA 2533 230,389 691,167 40RA0194 436/8 YEW 3087 1 114 JICA 2533 14,533 43,600 JISO7003 JISO7004 JISO70	184 Hybrid recorder	!	230,389	691.1	i1	436/4	YEW	3087		207	JICA	2533	
1 230,389 691,167 40RA0196 436/6 YEW 3087 1 212 JICA 2533 1 230,389 691,167 40RA0193 436/7 YEW 3087 1 212 JICA 2533 1 230,389 691,167 40RA0194 436/8 YEW 3087 1 114 JICA 2533 1 230,389 691,167 40RA0194 436/8 YEW 3087 1 114 JICA 2533 1 14,533 43,600 TIS07003 TIS07003 TIS07004 TIS07004 TIS07004 TIS07003 TIS07004 TIS07003 TIS07004 TIS07003 TIS07004 TIS07004 TIS07004 TIS07004 TIS07005 TIS07004 TIS07005	185 Hybrid recorder	1	230,389	291,169		436/5	YEW	3087		208	JICA		0.32×0.34(0.10)
1 230,389 691,167 40RA0193 436/7 YEW 3087 1 212 JICA 2533 25,03.00 C5,03.00 C5,03.	186 Hybrid recorder	-	230,389	691,167		436/6	ЖЭÃ	3087	-	212	JICA	2533	
1 230,389 691,167 40RA0194 436/8 YEW 3087 1 114 JICA L533 43,600 TIS070/02 1 14,533 43,600 TIS070/02 1 14,533 43,600 TIS070/04 1 14,533 43,600 TIS070/05 1 14,533 43,600 TIS070/05 1 14,533 43,600 TIS070/05 1 14,533 43,600 TIS070/05 1 137,833 413,500 DA4117PS 436/10 TOA DEMPA FBR-253A 1 211 JICA C6,01,00 C6,01,00 TOA DEMPA FBR-253A 1 211 JICA TOA DEMPA TBR-253A 1 211 JICA C6,01,00 C6	187 Hybrid recorder	1	230.389	691.167		436/7	YEW	3087	-	212	NCA.		0.32×0.35(0.11)
14,533	188 Hybrid recorder	1	230,389	691,1		436/8	YEW	3087		114	<u>کار</u>	2533	
14.533	189 Pocket thermometer		14.533		ļ.,	254/3	A:SW	2542		211	\S	2533	
1 14,533 43,600 TISO70/05 C5,05,00 C5,05,00 C6,01,00 C6,01,00			14.533		• •					——————————————————————————————————————		tuvu. egenen	
137,833		_	14,533										
1 137,833 413,500 DA4127PS 436/10 TOA DEMPA FBR-253A 1 211 JICA C6.01.00 A36/11 TOA DEMPA FBR-253A 1 211 JICA C6.01.00 C6.01.00	1900 Flat bed recorder	1	137,833			436/9	TOA DEMPA	FBR-253A	P-0	210	rcv	2533	
1 137,833 413,500 DA4137PS 436/11 TOA DEMPA FBR-253A 1 211 JICA C6.01.00	191 Flat bed recorder	1	137,833	413,500		436/10	TOA DEMPA	FBR-253A	1	211	VOIL	2533	
	192 Flat bed recorder	1	137,833	i I	LJ	436/11	ТОА DEMPA	FBR-253A	-	211)ICA	2533	

(Bahi) (Yen) (Yen) Number Producer charge Room No from Yea 137,687 413,000 Qu40281 436/13 GRAPHTECH WX-1200 1 211 JICA 2533 C602.00 C602.00 G404282 436/14 GRAPHTECH WX-2300-2Z 1 211 JICA 2533 C602.00 G404282 436/14 GRAPHTECH WX-2300-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2300-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 436/16 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 G502.00 G404397 437000 G404397 4371 MATSUNAGA TA-229 I 211 JICA 2533 G502.00 G404397 G706.00 43772 MATSUNAGA TA-2245 I 210 JICA 2533 G502.00 G706.00 43772 MATSUNAGA TA-2245 I 210 JICA 2533 G502.00 G706.00 43772 MATSUNAGA TA-2245 I 212 JICA 2533 G502.00 G706.00 43772 MATSUNAGA TA-2245 I 212 JICA 2533 G502.00 G706.00 43772 MATSUNAGA TA-2245 I 212 JICA 2533 G502.00 G706.00 43772 MATSUNAGA TA-2245 I 212 JICA 2533 G502.00 G706.00 43772 MATSUNAGA TA-2245 I 212 JICA 2533 G502.00 G706.00 441.667 L325,000 G706.00 43772 MATSUNAGA TA-2245 I 212 JICA 2533 G502.00 G706.00 4300.00 G706.00 4300.00 G706.00 4300.00 G706.00	Ž	Items	Ouan-	Price	Price	Code	Registration	Name of	Model/Size	ž Š	Location Received Budget	Received	Budget	Using Area
137,657 413,000 C46,0100 C46,01000 C46,0100 C46,01000 C46,0100			tity	(Baht)	(Ycn)		Number	Producer		charge	Room No.	from	Ϋ́cer	WXL(m3)
137.667 413.000 0940281 436/14 GRAPHTECH WX-1200 1 11 1/C 1333 C602.00 C602.00 C602.00 C602.00 C602.00 C602.00 C603.00 C603.	<u>§</u>	Flat bed recorder		137,833	413,500	DA4387QS C6.01.00	436/12	TOA DEMPA	FBR-253A		211	VZIC	2533	
137.667 413.000 0940222 436.14 GRAPHTECH WX-1201 1 110.000 0940222 436.14 GRAPHTECH WX-2300-2Z 1 211 11CA 2533 13.667 413.000 0940482 436.15 GRAPHTECH WX-2300-2Z 1 211 11CA 2533 13.667 413.000 0940482 436.16 GRAPHTECH WX-2400-2Z 1 211 11CA 2533 13.667 413.000 0940482 436.16 GRAPHTECH WX-2400-2Z 1 211 11CA 2533 13.667 413.000 0940482 436.18 GRAPHTECH WX-2400-2Z 1 211 11CA 2533 13.667 413.000 0940482 436.18 GRAPHTECH WX-2400-2Z 1 211 11CA 2533 13.667 437.000 C00020 43771 MATSUNAGA TA-2245 1 211 11CA 2533 13.668 C00200 43771 MATSUNAGA TA-2245 1 211 11CA 2533 13.668 C00200 43772 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 43774 MATSUNAGA TA-2245 1 212 11CA 2533 13.668 C00200 200.00	<u>8</u>	X-Y recorder	_	137,667	413,000	0040281 C6.02.00	436/13	GRAPHTECH	WX•1200		211	JICA	2533	
137.667 413.000 604.0496 436/15 GRAPHTECH WX-2300-22 211 JICA 2533 2534 2534 2534 2534 2534 2534 2534 2534 2534 2534 2534 2534 2534 2534 2534 23344 233444 23344 23344 23344 23344 23344 23344 23344 23344 23344 23344 23344 2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	X-Y recorder	-	137,667	413,000	0040282 C6.02.00	436/14	GRAPHTECH	WX-1201	-	211	JICA	2533	
137.667 413,000 0040497 436/16 GRAPHTECH WX-2406-2Z 1 211 JICA 2533 G. 6503.00 C. 6503.00 C. 6503.00 C. 6503.00 C. 6504.00 C. 6504	ĭž	6 X+Y recorder		137.667	413,000	0040496 C6.03.00	436/15	GRAPHTECH	WX-2300-2Z	-	211	JICA	2533	
137,667 413,000 0040482 436/17 GRAPHTECH WX-2400-2Z 1 211 JICA 2533 C6.04,00	<u> </u>	7X-Y recorder	-	137.667	413.000	0040497 C6.03.00	436/16	GRAPHTECH	WX-2300-2Z	-	211	JICA	2533	
137.667 413.000 0040483 436/18 GRAPHTECH WX-2400-22 1 211 1ICA 2533 C6.04.00 C00202 437/1 MATSUNAGA TA-229 1 211 1ICA 2533 C7.01.001 437/2 MATSUNAGA TA-224 1 211 1ICA 2533 C7.01.002 437/3 MATSUNAGA TA-2245 1 211 1ICA 2533 C7.01.002 437/3 MATSUNAGA TA-2245 1 210 1ICA 2533 C7.01.002 437/4 MATSUNAGA TA-2245 1 210 1ICA 2533 C7.01.002 437/5 MATSUNAGA TA-2245 1 207 1ICA 2533 C7.01.002 437/5 MATSUNAGA TA-2245 1 207 1ICA 2533 C7.01.002 437/5 MATSUNAGA TA-2245 1 207 1ICA 2533 C7.01.002 437/6 MATSUNAGA TA-2245 1 207 1ICA 2533 C7.01.003	<u>Š</u>	8X-Y recorder	_	137,667	413,000	0040482 C6.04.00	436/17	GRAPHTECH	WX-2400-2Z	pers	211	voir	2533	
145.667 437.000 C00202 437/1 MATSUNAGA TA-229 1 211 JICA 2533 C7.00.001 A37/2 MATSUNAGA TA-229 1 211 JICA 2533 A15.666 C00203 A37/3 MATSUNAGA TA-2245 1 210 JICA 2533 A15.666 C00202 A37/4 MATSUNAGA TA-2245 1 210 JICA 2533 A15.666 C00202 A37/4 MATSUNAGA TA-2245 1 210 JICA 2533 A15.666 C00203 A37/5 MATSUNAGA TA-2245 1 210 JICA 2533 A15.666 C00203 A37/5 MATSUNAGA TA-2245 1 207 JICA 2533 A15.666 C00203 A37/5 MATSUNAGA TA-2245 1 207 JICA 2533 A15.666 C00203 A37/7 MATSUNAGA TA-229 1 207 JICA 2533 A15.666 C00203 A37/7 MATSUNAGA TA-229 1 207 JICA 2533 A15.660 C00201 A37/7 MATSUNAGA TA-229 1 207 JICA 2533 A15.660 C00201 A37/7 MATSUNAGA TA-229 1 207 JICA 2533 A15.660 C00201 A37/7 AA7/8 A17.600 C7.02.00 A24/3 A24/4 TAKASAGO CP035-50 1 212 JICA 2533 A24/4 TAKASAGO CP035-50 1 212 JICA 2533 A16.600 C7.03.01 A24/4 TAKASAGO CP035-50 1 212 JICA 2533 A16.600 C7.03.01 A24/4 A24/4 TAKASAGO CP035-50 1 212 JICA 2533 A16.600 C7.03.01 A24/4	ĬΣ	9 X-Y recorder	-	137,667	413,000	0040483 C6.04.00	436/18	СКАРИТЕСН	WX-2400-2Z	-	211	JICA	2533	
145.667 437.000 C00201 437/3 MATSUNAGA TA-2245 1 210 JICA 2533 145.555 436.666 C00203 437/4 MATSUNAGA TA-2245 1 210 JICA 2533 145.555 436.666 C00203 437/4 MATSUNAGA TA-2245 1 207 JICA 2533 145.555 436.666 C00203 437/5 MATSUNAGA TA-2245 1 207 JICA 2533 145.555 436.666 C00203 437/5 MATSUNAGA TA-2245 1 212 JICA 2533 145.657 437.000 C00201 437/5 MATSUNAGA TA-2245 1 212 JICA 2533 1441,667 1,325,000 00201 437/7 MATSUNAGA TA-10-380G 1 207 JICA 2533 1441,667 1,325,000 00201 437/7 MATSUNAGA TA-10-380G 1 212 JICA 2533 1400,000 300,000 12989012 424/3-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989013 424/4-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12980014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12980014 424/4-2 TAKASAGO	Ř	OAC single phase voltage regulator		145,667	437,000	C00202 C7.00.00.1	437/1	MATSUNAGA	TA-229	-	211)ICA	2533	
145.555 436.666 C00203 437/4 MATSUNAGA TA-2245 1 210 JICA 2533 1 145.555 436.666 C00202 437/4 MATSUNAGA TA-2245 1 207 JICA 2533	8	AC single phase voltage regulator		145.667	437,000	C00201 C7.01.00.1	437/2	MATSUNAGA	TA-229	-	211	JICA	2533	0.50×0.60(0.3)
145.555 436,666 C00202 437/4 MATSUNAGA TA-2245 1 207 JICA 2533 145.555 436,666 C00202 437/5 MATSUNAGA TA-2245 1 212 JICA 2533 145,667 437,000 C00201 437/6 MATSUNAGA TA-229-V 1 207 JICA 2533 1441,667 1,325,000 00201 437/7 MATSUNAGA TA-10-380G 1 212 JICA 2533 1 100,000 300,000 1298901 424/3-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 1298901 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 200,00	20	2 AC single phase voltage regulator	1	145,555	436.666	C00203 C7.01.00.2	437/3	MATSUNAGA	TA-2245	_	210)ICA	2533	0.50×0.80(0.40)
145.555 436.666 C000201 437/5 MATSUNAGA TA-2245 1 212 JICA 2533 145,667 437,000 C00201 437/6 MATSUNAGA TA3-10-380G 1 207 JICA 2533 1 441,667 1,325,000 00201 437/7 MATSUNAGA TA3-10-380G 1 212 JICA 2533 1 100,000 300,000 12989012 424/3-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989013 424/4-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 C7,03.01.1 A24/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 C7,03.01.1 A24/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 200,000	ଯ	3 AC single phase voltage regulator	-	145,555	436,666	C00202 C7.01.00.2	437/4	MATSUNAGA	TA-2245		202	JICA	2533	
regulator 1 145,667 437,000 C00201 437/6 MATSUNAGA 1A-229-V 1 207 JICA 2533 cgulator 1 441,667 1,325,000 00201 437/7 MATSUNAGA TA3-10-380G 1 212 JICA 2533 cgulator 1 100,000 300,000 12989012 424/3-1 TAKASAGO GP035-50 1 212 JICA 2533 1 100,000 300,000 12989013 424/4-1 TAKASAGO GP035-50 1 212 JICA 2533 C7.03.01.1 C7.03.01.1 TAKASAGO GP035-50 1 212 JICA 2533 C7.03.01.1 TAKASAGO GP035-50 1 212 JICA 2533 C7.03.01.1 C7.03.01.1 TAKASAGO GP035-50 1 212 JICA 2533	8	14 AC single phase voltage regulator		145.555	436.666	C000201 C7.00.00.2	437/5	MATSUNAGA	TA-2245		212	JICA	2533	0.50x0.60(0.3)
cgulator 1 441,667 1,325,000 00201 437/7 MATSUNAGA T/A3-10-380G I 212 JICA 2533 1 100,000 300,000 1298901 424/3-1 TAKASAGO GP035-50 I 212 JICA 2533 1 100,000 300,000 12989012 424/4-1 TAKASAGO GP035-50 I 212 JICA 2533 1 100,000 300,000 12989013 424/4-1 TAKASAGO GP035-50 I 212 JICA 2533 1 100,000 300,000 12989013 424/4-1 TAKASAGO GP035-50 I 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 I 212 JICA 2533 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 I 212 JICA 2533	2	15 AC single phase voltage regulator		145,667	437,000	C00201 C7.01.00.3	437/6	MATSUNAGA	1.A-229-V		202	זוכע	2533	0.50×0.60(0.3)
1 100,000 300,000 12989011 424/3-1 TAKASAGO GP035-50 1 212 JICA 1 100,000 300,000 12989012 424/4-1 TAKASAGO GP035-50 1 212 JICA 1 100,000 300,000 12989013 424/4-1 TAKASAGO GP035-50 1 212 JICA 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA	8	MAC three phase voltage regulator		441,667	1,325,000	00201 C7.02.00	437/7	MATSUNAGA	7.A3-10-380G	-	212	۲۵۲	2533	0.60×0.70(0.42)
1 100,000 300,000 12989012 4243-2 TAKASAGO GP035-50 1 212 JICA C7.03.01.1	R	77 DC power supply source	-	100,000	300,000	12989011 C7.03.01.1	424/3-1	TAKASAGO	GP035-50	20	212	Y Y Z	2533	
1 100,000 300,000 12989013 424/4-1 TAKASAGO GP035-50 1 212 3ICA C7.03.01.1 1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA C7.03.01.1	<u> 2</u>	38 DC power supply source		100,000	300,000	12989012 C7.03.01.1	424/3-2	TAKASAGO	GP035-50	p.a	212	,ic	2533	
1 100,000 300,000 12989014 424/4-2 TAKASAGO GP035-50 1 212 JICA C7.03.01.1	18	99 DC power supply source	p	100,000	300,000	12989013 C7.03.01.1	424/4-1	TAKASAGO	GP035-50	p=1	212	3icv	2533	Annual State of State
	<u>[2]</u>	10 DC power supply source		100,000		12989014 C7.03.01.1	424/4-2	TAKASAGO	GP035-50		212	స్ట	2533	

No. Items 211 DC power supply source 212 DC power supply source 213 DC power supply source 214 DC power supply source 215 DC power supply source 217 DC power supply source 217 DC power supply source 218 DC power supply source 218 DC power supply source 219 DC power supply source 219 DC power supply source	Chan-	Price (Baht) 109,667 109,667 109,667 21,333 21,333 21,333 21,333 21,333 21,333 21,333 21,333 21,333	Price (Yen) 329,000 329,000 329,000 64,000 64,000 64,000	Registration Number 424/5 424/7 424/10 424/11 424/12 424/14	Name of Producer TAKASAGO TAKASAGO TAKASAGO TAKASAGO TAKASAGO TAKASAGO TAKASAGO TAKASAGO	Model/Size GP0250-10R GP0250-10R GP0350-58 GP035-5 GP035-5 GP035-5 GP035-5	Charge that the charge that th	Location Room No. 211 212 212 212 212 212 207 207	From JICA JICA JICA JICA JICA JICA JICA JICA	2533 2533 2533 2533 2533 2533 2533 2533	Using Area WXL(m3) 0.45x0.50(0.22)
221 Variable AC source 222 Variable AC source 223 Variable AC source 224 Variable AC source 225 High voltage testing device Control board 226 Impluse generator 227 Digital storageoscilloscope 228 Oscilloscope camera		411,000		424/15 424/16 424/17 438/1-1 438/1-2 438/1-3	TAKASAGO TAKASAGO TAKASAGO TAKASAGO MATSUNAGA OGAWA SEIKI TTC TTC TEKTRONIX	AA2000F AA2000F AA5000 SVC-22136 OSK6593		212 211 211 113 108 108	11CA 11CA 11CA 11CA 11CA 11CA		0.50x0.60(0.3) 0.50x0.60(0.3) 0.50x0.70(0.42) 4.00x4.50(18)

High voltage power supply unit 1 31.167 93.500 No.1 424/19-1 OG C7.08.00 No.1 424/19-2 OG C7.08.00 No.2 424/19-2 No.2 424/19-2 No.2 424/19-2 No.2 424/19-2 No.2 424/19-2 No.2 A24/19-2 No.	Ž	Items	Ouan	Price	Price	Code	Registration	Name of	Model/Size	Div. in	Location Received Budget	Received	Budget	Using Area
1 31.167 93.500 No.1 42419-1 OGAWA SEIKI OSKI1912 1 212 IICA 2533 1 31.167 93.500 No.2 62.08			tity		(Yen)		Number			charge		from	Year	WXL(m3)
11,14,667 374,000	ន្ត	High voltage power supply unit	-	31,167	93,500	No.1 C7.08.00	424/19-1	OGAWA SEIKI	OSK11912		212	JICA	2533	CONTRACTOR OF THE PARTY OF THE
1.24.667 374.000 7686 43971 OGAWA SEIKI OSK10235 I 212 JICA 2533 (27.10,000 C7.10,000 43972 MATSUNAGA WTC-4KB I 212 JICA 2533 (27.10 C7.10,000	230	High voltage power supply unit		31,167	93.500	No.2 C7.08.00	424/19-2	OGAWA SEIKI	OSK11912		212	JICA	2533	
1 27.333 82.000 1059	23.	Step-up transformer	-	124,667	374,000	7686 C7.10.00	439/1	OGAWA SEIKI	OSK 10235		212	JICA	2533	0.50×0.50(0.25)
1 27.333 82.000 1060 439/4 MATSUNAGA WTC-4KB 1 212 JICA 1 27.333 82.000 1057 439/4 MATSUNAGA WTC-4KB 1 212 JICA 1 1.667 5.000 1027 439/5 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1034 439/7 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1034 439/7 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1034 439/7 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1034 439/7 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1033 439/1 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1039 439/1 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1029 439/1 MATSUNAGA WTC-1K I□ 1 211 JICA 1 1.667 5.000 1029 439/1 MATSUNAGA WTC-1K I□ 1 144 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 14 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 14 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 14 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 14 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 14 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 14 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 121 JICA 1 1.667 5.000 1032 439/1 MATSUNAGA WTC-1K I□ 1 121 JICA 1 1.667 5.000 1032 439/1 TAKASAGO -	232	Step-down transformer		27,333	82,000	1059 C7.11.00	439/2	MATSUNAGA	WTC-4KB		212	JICA	2533	
1 27.333 82.000 1661 439/4 MATSUNAGA WTC-4KB 1 212 JICA 1 1.667	233	Step-down transformer		27.333	82,000	1060 C7.11.00	439/3	MATSUNAGA	WTC-4KB		212	JICA	2533	
1,667 5,000 1027 439/5 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1031 439/6 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1034 439/7 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1034 439/7 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1039 439/11 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1039 439/11 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1029 439/11 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1029 439/11 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1029 439/11 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1029 439/11 MATSUNAGA WTC-IK I□ 1 211 JICA 1,667 5,000 1029 439/11 MATSUNAGA WTC-IK I□ 2 211 JICA 1,667 5,000 1029 439/11 MATSUNAGA WTC-IK I□ 2 211 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 211 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/12 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/14 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/14 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/14 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/15 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/16 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/16 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/16 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/16 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/16 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/16 MATSUNAGA WTC-IK I□ 2 212 JICA 1,667 5,000 1029 439/16 MATSUNAGA WTC-IK	234	Step-down transformer	_	27.333	82,000	1061 C7.11.00a	439/4	MATSUNAGA	WTC-4KB	_	212	JICA	2533	D-MARCHAE
1 1,667 5,000 1031 439/6 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1034 439/7 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1036 439/8 MATSUNAGA WTC-IK I 1 212 1ICA 1 1,667 5,000 1039 439/11 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1039 439/11 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1039 439/12 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 211 1ICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 202 1ICA 1 1,667 5,000 C7.12.00.4 439/14 MATSUNAGA WTC-IK I 202 1ICA 1 21,167 63,500 No.1 239/14 MATSUNAGA WTC-IK I 202 1ICA 1 21,167 63,500 No.2 439/14 TAKASAGO -	233	Insulation transformer		1.667	2.000	1027 C7.12.00.1	439/5	MATSUNAGA	WTC-1K 1□ Max4.5A	-	211	JICA	2533	
1 1,667 5,000 1034 4397 MATSUNAGA WTC.IK I 1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1	236	Insulation transformer	-	1.667	5.000	1031 C7.12.00.1	439/6	MATSUNAGA	WTC-1K 1□ Max4.5A	-	211	JICA	2533	
1.667 5.000 1036 439/8 MATSUNAGA WTC-IK 1 212 JICA C7.12.00.2 439/10 MATSUNAGA WTC-IK 1 211 JICA C7.12.00.2 439/11 MATSUNAGA WTC-IK 1 211 JICA C7.12.00.2 439/11 MATSUNAGA WTC-IK 1 211 JICA C7.12.00.3 439/12 MATSUNAGA WTC-IK 1 211 JICA C7.12.00.3 439/12 MATSUNAGA WTC-IK 1 114 JICA C7.12.00.3 439/13 MATSUNAGA WTC-IK 1 211 JICA C7.12.00.5 439/14 MATSUNAGA WTC-IK 1 211 JICA C7.12.00.5 439/14 MATSUNAGA WTC-IK 1 202 JICA C7.12.00.5 439/15 MATSUNAGA WTC-IK 1 202 JICA C7.12.00.5 C7.12.00.5 439/15 TAKASAGO 1 212 JICA C7.13.00.1 21,167 63,500 No.2 439/16 TAKASAGO 1 212 JICA C7.13.00.1 21,167 C7.13.00.1 213/16 C7.13.00.1 213/	23	7 Insulation transformer		1,667	5.000	Į.	439/7	MATSUNAGA	WTC-1K 1□ Max4.5A	-	211	JICA	2533	
1 1,667 5,000 1033 439/9 MATSUNAGA WTC-IK I 1 211 JICA 1 1,667 5,000 1030 439/10 MATSUNAGA WTC-IK I 1 211 JICA 1 1,667 5,000 1029 439/11 MATSUNAGA WTC-IK I 1 212 JICA 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 1 1 1 1 1,667 5,000 1028 439/13 MATSUNAGA WTC-IK I 1 1 1 1 1 1,667 5,000 1028 439/14 MATSUNAGA WTC-IK 1 211 JICA 1 1,667 5,000 C7.12.00.5 C7.12.00.5 A39/15 TAKASAGO - 1 212 JICA 1 21,167 63,500 No.1 439/15 TAKASAGO - 1 212 JICA 1 21,167 63,500 No.2 439/16 TAKASAGO - 1 212 JICA 1 21,167 63,500 No.2 439/16 TAKASAGO - 1 212 JICA 1 21,167 C7.13.00.1 C7	<u> </u>	8 Insulation transformer		1.667	5.000	1036 C7.12.00.2	439/8	MATSUNAGA	WTC-IK I	-	212	JICA	2533	
1,667 5,000 1029 439/10 MATSUNAGA WTC-IK I	ñ	9 Insulation transformer		1.667	5,000	1033 C7.12.00.2	439/9	MATSUNAGA	WTC-IK I		211	JICA	2533	M. Spiraterium
1,667 5,000 1029 439/11 MATSUNAGA WTC-1K I[] 212 JICA 1,667 5,000 1032 439/12 MATSUNAGA WTC-1K 1 114 JICA 1,667 5,000 1028 439/13 MATSUNAGA WTC-1K 1 114 JICA 1,667 5,000 1028 439/13 MATSUNAGA WTC-1K 1 211 JICA 1,667 5,000 C7.12.00.5 439/14 MATSUNAGA WTC-1K 1 202 JICA 1,167 63,500 No.1 439/15 TAKASAGO - 1 212 JICA 21,167 63,500 No.2 439/16 TAKASAGO - 1 212 JICA 21,167 63,500 No.2 439/16 TAKASAGO - 1 212 JICA 21,167 63,500 No.2 439/16 TAKASAGO - 1 212 JICA	<u>¥</u>	O Insulation transformer		1,667	5.000	1030 C7.12.00.2	439/10	MATSUNAGA	WTC-IK I	-	211	JICA	2533	
1,667 5,000 1032 439/12 MATSUNAGA WTC-1K 114 JICA C7.12.00.4	24	I Insulation transformer		1.667	5.000	1029 C7.12.00.3	439/11	MATSUNAGA	WTC-1K 1□ Max4.5A		212	JICA	2533	4. (The A The A Th
1,667	N.	2 Insulation transformer		1,667	5,000	1032 C7.12.00.4	439/12	MATSUNAGA	WTC-1K	-	114	JICA	2533	
1 21,167 63,500 C7.12.00.6 439/14 MATSUNAGA WTC-1K 1 202 JICA	74	3 Insulation transformer		1,667	5.000	1028 C7.12.00.5	439/13	MATSUNAGA	WTC-1K		211	JICA	2533	
1 21,167 63,500 No.1 439/15 TAKASAGO - 1 212 JICA C7.13.00.1 AS9/16 TAKASAGO - 1 212 JICA 1 21,167 63,500 No.2 439/16 TAKASAGO - 1 212 JICA C7.13.00.1 AS9/16 TAKASAGO - 1 212 JICA	74	4 Insulation transformer		1,667	2,000	C7.12.00.6	439/14	MATSUNAGA	WTC-1K	-	202	JICA	2533	
1 21,167 63,500 No.2 439/16 TAKASAGO - 1 212 JICA C7.13.00.1	24	S Current transformer		21,167	63.500	_	439/15	TAKASAGO			212	VOI	2533	
	7	⊘Current transformer			63,500	1	439/16	TAKASAGO		-	212	၌	2533	

No.	Irens	Chian	Price	Prior	2000	Registration	Name of	Model/Cine	ni vici	l ocalon	Personal	J. D. Anne	I laime A san
7		tity		(Yen)		Number			charge			Year	
247	247 Current transformer	_	21.167	63.500	11875 C7.13.00.2	439/17	YEW	2243-00		212	A JICA	2533	
248	248 Current transformer		21,167	63.500	00876 C7.13.00.2	439/18	YEW	2243-00	-	212	Y)IC	2533	
249	249 Current transformer	-	21,167	63,500	00879 C7.13.00.2	439/19	YEW	2243-00	p.c.	212	V)[2533	
250	250 Current transformer	,	21.167	į	_	439/20	YEW	2243-00		212	VOIC	2533	
251	251 Current transformer		21.167	63,500	_	439/21	YEW	2241-00		212	VIICY	2533	
252	252 Current transformer	-	21,167		10261 C7.13.00.3	439/22	YEW	2241-00		212	YOI	2533	
253	253 Current transformer	-	21.167		10269 C7.13.00.3	439/23	YEW	2241-00		212	JICA	2533	
254	254 Current transformer				10257 C7.13.00.3	439/24	M9A	2241-00		212	ııcv	2533	
255	255 Filament heating transformer	-	93.333		1038 C7.14.00	439/25	MATSUNAGA	WTC-30	-	212	NCA	2533	
256	256 Filament heating transformer	_	93,333	7	1037 C7.14.00	439/26	MATSUNAGA	WTC-30	-	212	NOI	2533	
257	257 Volt slider	-	10.500		800203 C7.15.01.1	1/074	MATSUNAGA	SD264.5-J		212	JICA	2533	A Albert Wilderston
258	258 Volt slider	-	10.500	31,500	B00201 C7.15.01.1	7/044	MATSUNAGA	SD264.5-J		212	VOI	2533	
259	259 Volt slider	1	10,556		B00205 C7.15.01.2	£/07T	MATSUNAGA	SD264.5-J		211	זוכע	2533	
260	260 Volt slider	-	10,222		B00202 C7.15.01.2	440/4	MATSUNAGA	SD264.5-J		213	JICA	2533	
261	261 Volt slider	-	10,556		B00204 C7.15.01.2	440/5	MATSUNAGA	SD264.5-J	-	211	JICA	2533	
292	262 Volt slider		10,500		KF863 C7.15.02.1	440/6	MATSUNAGA	SD269-J	-	211	JICA	2533	0.26×0.23(0.59)
263	263 Voit slider	_	10,500		KF864 C7.15.02.1	440/7	MATSUNAGA	SAT-2010SP	-	211	JICA	2533	
\$ 8	264 Volt slider		10,500	31,500	KF865 C7.15.02.2	440/8	MATSUNAGA	SD269-1		212	JICA	2533	0.25×0.25(0.6)

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ź	Items	Ouan- tity	Price (Baht)	Price (Yen)	Code	Registration Number	Name of Producer	Model/Size	Charge	Location Room No.	Received Budget from Year	Budget	Using Area WXL(m3)
% %	265 Volt slider	-	10,500	31.500	KF862 C7.15.02.2	440/9	MATSUNAGA	SD269-1		212	JICA	2533	
266	266 Volt slider	1	10.500	31,500	KF860 C7.15.03	440/10	MATSUNAGA	SD2627.3-J	-	212	JICA	2533	
267	267 Volt slider		10.500	31.500	KF861 C7.15.03	440/11	MATISUNAGA	OSK 10234-10	-	212	JICA	2533	
268	268 Volt slider	_	10,667	32.000	K00201 C7.15.04	440/12	MATSUNAGA	S3-402.6-G	_	212	JICA	2533	
269	269 Volt slider		10,667	32.000	K00201 C7.15.05	440/13	MATSUNAGA	S3-405.2-G	-	212	JICA	2533	
270	270 Volt slider	-	10,667	32,000	KF859 C7.15.06	440/14	MATSUNAGA	S3-4015.2-G	-	212	JICA	2533	
27.1	271 Megaohm tester	_	7.333	22.000	70LC01562 C7.16.00.1	441/1	мзь	3213	-	212	JICA	2533	
272	272 Megaohm tester		7,333	22,000	701.C01563 C7.16.00.2	441/2	YEW	3213	_	801	JICA	2533	
273	273 Insulation+breakdown tester	-	52,333	157.000	29120706 C7.17.00.1	442/1	KIKUSUI	1058700		207	JICA	2533	1,00×1,00(1)
274	274 Insulation+breakdown tester		52.333	157,000	29120707 C7.17.00.2	442/2	KIKUSUI	TOS8700		108	JICA	2533	
275	275 Insulation+breakdown tester	-	52,333	157,000	10018607 C7.17.00.3	442/3	KIKUSUI	TOS8650		212	JICA	2533	
276	276 Insulation+breakdown tester	1	52,333	157,000		442/4	เกรกรา	TOS8650		202	JICA	2533	One will have the Till
[2	277 Insulation+breakdown tester		52,333	157.000	10018608 C7.17.00.5	442/5	KIKUSUI	1.058650	_	208	JICA	2533	0.60x1.20(0.72)
278	278 Insulation resistance meter	-	138,000	414,000	05791802 C7.18.00.1	202/8	OGNA	HR-4G		207	VZI	2533	0.45x0.90(0.40)
273	279 Insulation resistance meter	1	138,000	414,000	05791801 C7.18.00.1	202/9	OGNA	HR-4G		207	JICA	2533	
280	280 Insulation resistance meter		138,000	414,000	CE2797QZ C7.18.01.1	202/10	TOA DEMPA	SM-10E	#1 8	211	JICA	2533	
 	281 Insulation resistance meter	1	138,000	414,000	CE2807QZ C7.18.01.1	202/11	ТОЛ БЕМРА	SM-10E	#-B	211	JICA	2533	
287	282 High frequency breakdown tester		260,333	781,000	14N1269 C7.19.00	435/4	TOKYO SEIDEN	OSK10231-SP	-	212	JICA	2533	0.43×0.40(0.17)

No.	Items	Quan	Price	Price	Code	Registration	Name of	Model/Size Div. in Location Received Budget	Div. In	Location	Received	Budget	Using Area
		ţiţ	(Baht)	(K		Number	Producer		charge	charge Room No. from Year	from	Year	WXL(m3)
283 Sparktester		-	623,000	1,869,000	5822	443/1	YASUDA SEIKI	160(YST-1)		108	JICA 2533	2533	1.00x4.00(4)
<u>.</u>			<u></u>		C7.20.00								

21.072.998

List of Existing Equipment & Machinery at TISI-Bampoo

ź	Items	Ouan-	Price	Price	Code	Registration	Name of	Model/Size	Div. in	Div. in Location Received Budget	Received	Budget	Using Area
		tity		(Yen)		Number			charge	charge Room No.	from	Year	WXL(m3)
284	284 Tracking resistance tester		411,333	1,234,000	1,234,000 DA31310 A040	444/2	TOKYO SEIDEN	OSK 10229-A-SP	44	208	၌	2533	0.45×0.52(0.23)
285	285 Are resistance tester	-	466.000	1.398.000	KG3935-1-2 C7.20.02	445/1	TOKYO SEIDEN	OSK 10229-C-SP		211	JICA	2533	0.62x0.62(0.38)
286	286 Leakage current taster		43,000	129,000	I -	446/1	SIMPSON	229-2		212	JICA	2533	
287	287 Leakage current taster	-	43,000	129,000	1	446/2	SIMPSON	229-2	ga	212	JICA	2533	e Laconski p
887	288 Leakage current taster		43,000	129,000	_	446/3	SIMPSON	229-2		212	JICA	2533	ргія Элія хина (Соў
283	289 Leakage current taster	_	43,000	129.000		446/4	NOSAWIS	229-2		212	NCA	2533	
x	290 Earth continuity tester		43,667	131,000		447/1	KIKUSUI	TOS 6100		212	JICA	2533	
<u>6</u> 2	291 Earth continuity tester	-	43,667	131,000		447/2	KIKUSUI	TOS 6100		212	JICA	2533	54.
<u> </u>	292 Safety test tool kit (not perfect)	∞	279,000	837.000	Ca.01.00	448					ទ្ទ	2533	***************************************
8	293 L. Spring impact test hammer				9003087.19 Ca.01.00	448/1-1	EXCEL	CB-1		212	JICA	2533	
స్ట	2942. Push pull gauge				9004109.11 Ca.01.00	448/1-2	EXCEL	CB-I		212	JICA	2533	
ጵ	2953.1. Test finger	_			Ca.01.00	448/1-3	EXCEL	CB-1	-	212	NCA	2533	
X	296 3.2. Test finger				Ca.01.00	448/1-4	EXCEL	CB-1		212	JICA	2533	
82	297 3.3. Test finger				Ca.01.00	448/1-5	EXCEL	CB-1	-	212	JICA	2533	A Taranta
ম	298 3.4. Test finger				Ca.01.00	448/1-6	ехсег	CB-1	-	212	voir	2533	
&	299 4. Test pin				Ca.01.00	448/1-7	EXCEL	CB-1		212	NCA	2533	
8	300 S. Bail pressure				Ca.01.00	448/1-8	TEXCEL	CB-1	_	212	72	2533	

No. Items	Ouan	ŀ	Price	Code	Registration	Name of	Model/Size	Div. in	L	Received Budget	Budget	Using Area
	2	(Bahr)	(ii)		Number	Producer		charge	리	uou	Year.	WXL(m3)
301 6. Sharp edge tester				Ca.01.00	448/1-9	EXCEL	-ස		212	స్ట	2533	
302 7.1. Steel sphere	-			Ca.01.00	448/1-10	EXCEL	C8-1		212	JICA	2533	
303 7.2. Steel sphere				Ca.01.00	448/1-11	EXCEL	CB-1		212	NCA NCA	2533	Tree of the section o
304 8. IS gauge				- Ca.01.00	448/1-12	EXCEL,	CB-1	6 E.4	2:2	Y2r	2533	
305 Safety test tool kit		221,333	664.000	Ca.02.00	448/3			god,	212	NCA NCA	2533	
306 1. Spring impact test hammer	-			- Ca.02.00	448/3.1	EXCEL	CB-2	-	212	Y)IC	2533	
307 2. Push puil gauge				Ca.02.00	448/3.2	EXCEL	CB-2		212	NZI TCA	2533	-
308 3.1. Test finger				Ca.02.00	448/3.3	EXCEL	CB-2	_	212	VOIC	2533	
309/3.2. Test finger				_ Ca.02.00	448/3.4	EXCEL	CB-2	_	212	NOIT	2533	e la constante Au
3104. Test pin	-			Ca.02.00	448/3.5	EXCEL	CB-2	-	212	JICA	2533	e de la companya de l
311 5. Steelshere				Ca.02.00	448/3.6	EXCEL	CB-2	-	212	JICA	2533	Sua Sebessia
312 6. IS gauge				Ca.02.00	448/3.7	EXCEL	CB•2	-	212	ည်း	2533	
313 Standard Lamp caps and holders for dimension testing	-	4,149,667	12,449,000	Ca.05.00	1/677		CB-2		212	JICA	2533	
314 1. Gauge for the slots in lampholder B	_			- Ca.05.00	449/1.1	DAIICHI SOKUHAN	7006-13	-	212	V)[C	2533	
315 2. Gauge for the slots in lampholder 822				Ca.05.00	449/1.2	DAIICHI	7006-13	_	212	7 Sir	2533	0 47 2 17 cub.car
316/3. Plug gauge for E27 lamphoider for testing contact making				- Ca.05.00	449/1.3	DAIICHI SOKUHAN	7006-21-3		212	JICA	2533	

Ca.05.00 449/1.4 DAILCH 7006-22A-3 1 212 JICA 2533	ź] (cms	Ouan-	Price	Price (Y.c.)	စ ီ	Registration	Name of Producer	Model/Size	Oiv. m	Location Room No.	Received Budget	Budget	Using Area WXL(m3)
Ca.05.00 SOKUHAN TOOG-22-3 1 212 JICA	1				(15)		V 1/0VV	DALICELL	5 ACC 3005	-	213	٢	2572	
Ca.05.00 SOKUHAN TO06-22-3 1 212 JICA	_	4. Plug gauge for E27 lamphoder for				•	447/1.0		6-V77-000/	-	7 7 7	\ \ \ \ \	3	
Ca.05.00 SOKUIIAN 7006-23-3 1 212 JICA 449/1.6 DAIICHI 7006-23-2 1 212 JICA 7006-24-2 1 212 JICA 7006-25-4 1 212 JICA 7006-25-4 1 212 JICA 7006-25-4 1 212 JICA 7006-25-4 1 212 JICA 7006-26-2 1 212 JICA 7006-278-1 212 JICA 7006-278-1 1 212 JICA 7006-278-1 1 212 JICA 7006-278-1 1 212 JICA 7006-278-1 1 212 JICA 7006-278-1 212 JICA 7006-278-1 1 212 JICA 706-278-1 1 212 JICA 7006-278-1 1 212 JICA		Supposed Supposed				Ca.05.00		SOKUHAN						
Ca.05.00 SOKUHAN 7006-23-2 1 212 JICA	80	5. Plug gauge for E27 lampholder for	-			•	449/1.5	DAIICHI	7006-22-3		212	Ş.	2533	
Ca.05.00		testing contact				Ca.05.00		SOKUIIAN						
Ca.05.00 SOKUHAN 7006-24-2 1 212 JICA	<u> </u>	6. Plug gauge for E40 lampholderr for	-			•	9.1/644	DANCHI	7006-23-2	p-4	212	స్ట	2533	C
1						Ca.05.00		SOKUHAN						
Ca.05.00 SOKUHAN T006-25-4 1 212 JICA	lS_	7. Plug gauge for E40 lampholder for					449/1.7	DAIICHI	7006-24-2		212	స్ట	2533	
1		ייייי אייייייייייייייייייייייייייייייי				Ca.05.00		SOKUHAN						
Ca.05.00 SOKUHAN 7006-25A-1 1 212 JICA	12	8. "GO" plug gauge for screw threads of lampholder E40 accidental contact	-			•	8'1'677	DAIICHI	7006-25-4	-	212	<u></u>	2533	¥ (18 - A)
1	-					Ca.05.00		SOKUHAN						
1 Ca.05.00 SOKUHAN 7006-26-2 1 212 JICA 1 Ca.05.00 SOKUHAN 7006-26-2 1 212 JICA 1 Ca.05.00 SOKUHAN 7006-278-1 212 JICA 1 Ca.05.00 SOKUHAN 7006-278-1 212 JICA 1 Ca.05.00 SOKUHAN 7006-276-1 1 212 JICA 1 Ca.05.00 SOKUHAN 7006-28-1 1 212 JICA 1 Ca.05.00 SOKUHAN 7006-28-1 1 212 JICA 1 Ca.05.00 SOKUHAN 7006-28-4 1 212 JICA 1 Ca.05.00 SOKUHAN 7006-28-	lX	9. "GO" plug gauge for screw threads of lampholder E27	1			•	649/1.9	DAIICHI	7006-25A-1		212	<u> </u>	2533	A. chyl. ak 3. a
1						Ca.05.00		SOKUHAN					+	
Ca.05.00 SOKUHAN 7006-26-2 1 212 JICA	N	10. "NOT GO" plug gauge for screw threads oflampholder E27	1				449/1.10	DAIICHI	7.006-26-2	-	212	క్ష	2533	makak Kaspytiai m
1 Ca.05.00 SOKUHAN 7006-26-2 1 212 JICA 1 -						Ca.05.00		SOKUHAN						
1 Ca.05.00 SOKUHAN 7006-27B-1 I 212 JICA SOKUHAN 7006-27C-1 I 212 JICA Ca.05.00 SOKUHAN 7006-28A-1 I 212 JICA Ca.05.00 SOKUHAN 7006-28A-1 I 212 JICA SOKUHAN 7006-28A-1 I 212 JICA Ca.05.00 SOKUHAN 7006-28-4 I 212 JICA Ca.05.00 SOKUHAN 7006-28-4 I 212 JICA	2	threads of lamphoider E40				Ca.05.00	449/1.11	SOKUHAN	7006-26-2	el El meno	212	<u>၌</u>	2533	
Ca.05.00 SOKUHAN 7006-27C-1 1 212 JICA Ca.05.00 SOKUHAN 7006-28A-1 1 212 JICA Ca.05.00 SOKUHAN 7006-28A-1 1 212 JICA Ca.05.00 SOKUHAN 7006-28-4 1 212 JICA Ca.05.00 SOKUHAN Ca.05.00 Ca.05.00 Ca.05.00 SOKUHAN Ca.05.00 Ca.05.0	Įč	"I O" College distribution "O" CI					449/1 12	DAIICH	700K-27B-1	-	212	Y)!S	2533	
1 Ca.05.00 SOKUHAN 7006-27C-1 1 212 JICA	i	of E27 Cap on finished lamp				Ca.05.00		SOKUHAN						
1 - 449/1.14 DAIICHI 7006-28A-1 1 212 JICA Ca.05.00 SOKUHAN 7006-28-4 1 212 JICA - 449/1.15 DAIICHI 7006-28-4 1 212 JICA Ca.05.00 SOKUHAN 1 212 JICA	Ιĕ	613. "GO" Gauge for dimension "S1" of E27 Cap on finished lamp					449/1.13	DAIICHI	7006-27C-1		212	VJIC	2533	
1 - 449/1.14 DAIICHI 7006-28A-I 1 212 JICA Ca.05.00 SOKUHAN 7006-28-4 I 212 JICA - 449/1.15 DAIICHI 7006-28-4 I 212 JICA Ca.05.00 SOKUHAN						Ca.05.00		SOKUHAN						
1 - 449/1.15 DAIICHI 7006-28-4 I 212 JICA Ca.05.00 SOKUHAN	Ň	7 14. "NOT GO" Gauge for E27 Cap on				•	449/1.14	DAIICHI	7006-28A-1	-	212	<u>သ</u>	2533	
1 - 449/1.15 DAIICHI 7006-28-4 I 212 JICA Ca.05.00 SOKUHAN		dure poissuit	/			Ca.05.00		SOKUHAN		rrain-				
Ca.05.00	ΙĊ	815, "NOT GO" Gauge for E40 cap on				•	449/1.15	DAIICHI	7006-28-4	-Charlins	212	돌	2533	
		Anno pour line				Ca.05.00		SOKUHAN						

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Using Area WXL(m3)																				
Budget	2533		2533		2533		2533		2533		2533		2533		2533		2533		2533	
Received	NCA 11CA		స్ట		YOK		JICA		JICA		JICA		JICA		NC.		NCA	:	<u>ي</u>	**************************************
Location Room No.	212		212		212		212		212		212		212	•	212		212		212	
Div. in charge			_		p-d		I				_		~-				_			
Model/Size	7006-44-3		7006-45-3		7006-46-2		7006-46A-2		7006-47A-1		7006-50-1		7006-51-1		7006-51A-1		7006-51-1		7006-53-1	
Name of Producer	DAIICHI	SOKUHAN	DAIICHI	SONOTO	DAIICH	SOKUHAN	DAIICH	SOKUHAN	DAIICHI	SOKUHAN	DAIICHI	SOKUHAN	рупсні	SOKUHAN	סעווכווו	SOKUHAN	DAIICHI	SOKUHAN	DAIICHI	SOKUHAN
Registration Number	449/1.16		449/1.17		449/1,18		61'1/655		449/1.20		449/1.21		449/1.22		449/1.23		449/1.24		449/1.25	
Code	. ;	Ca.05.00		Ca.03,00	•	Ca.05.00	•	Ca.05.00		Ca.05.00	ı	Ca.05.00		Ca.05.00		Ca.05.00	•	Ca.05.00	•	Ca.05.00
Price (Yen)																				
Price (Baht)																				
Quan- tity									_				-			-	-		1	
ltems	329 16, G13 "GO" and "NOT GO" Gauge for BI-PIN cap G13; NOT for use on finished lamp		33017, "GO" Gauge for Bi-PiN cap G13 on finished lamp		331 18. "GO" and "NOT GO" Gauge for BI-PIN cap GS: NOT for use on fmished lamp		332 19, "GO" Gauge for BI-PIN cap G5 on finished lamp		333 20. Plug gauge for inflexible lampholder G5 for testing contact making		33421. Gauge for finished lamp fitted with E27 cap for testing contact		335/22. Gauge for finished lamp litted with E27 cap for testing protection against accidental contact		336 23. Gauge for finished lamp fitted with E27 cap for testing protection against accidental contact		337/24. Gauge for finished lamp fitted with E40 Cap for testing contact		338 25. Gauge for finished lamp fitted with E40 cap for testing protection against accidental contact	P
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ģ	llems	Quan- tity	Price (Baht)	Price (Yen)	Code	Registration Number	Name of Producer	Model/Size	Div. in charge	Location Room No.	Received Budget from Year	Rudget	Using Area WXL(m3)
8	339 26. Plug gauge for inflexible lampholder G13 for testing contact				•	449/1.26	DAIICHI	7006-60A-1	-	212	voir	2533	ne militare per meneral de l'Ann
	making				Ca.05.00		SOKUHAN						
8	340 Enamal wire testing		249,333	748,000	5815 Ca.09.00	450/1	YASUDA SEIKI	553	-	212	JICA	2533	
<u> </u>	341 Card flexing tester		1,385,333	4,156,000	Ca.10.00a	1/094	•	•	1	113	NCA	2533	1.00×1.00(1)
X	342 1. Captyre cord flexing tester				44860 Ca.10.00a	460/1.1	EVERTRON	•	1	113	JICA	2533	
X	343 2. Load box				44861 Ca.10.00a	460/1.2	EVERTRON	•	1	113	JICA	2533	0.70x1.80(1.26)
¥ _	344 Cord bending fatique tester	_	467.333	1.402.000	Ca.10.00b	460/2	TESTER SANGYO	BE-801-M		113	NCA	2533	0.67x179(1.19)
×	345 Triple parallel plate plastometer		628.333	1.885,000	12290 7600 Ca.11.00	461/1	TOYO SEIKI	534W-3	-	113	くンド	2533	
ž	346 Tumble barrel	-	162,000	486.000	Ca.12.00	462/1	TAIYO KEIKI	•		113	NCA NCA	2533	0.60×1(0.6)
*	347 Test table for heating test		18.667	26.000	Ca.13.00	463/1	TAIYO KEIKI	•		212	NOIC	2533	
*	348 Hot mandrel heat resistance tester (not function)		757,667	7		464/1	тарха	T-01.05		208	NCA	2533	0.90×1.80(1.62)
*	349 V-belt electrical resistance measurment stand		127,667		CA.21.00	465/1	TAIYO KEIKI	•	-	212	<u>کار</u>	2533	
88	350 Flamability tester		680,667	2,042,000	2.042,000 LAMABILIT E1.08.02	1/997	тэхэ	BT-1500A	-	208	Y);	2533	1.00×3.50(3.5)
8	352 Flux meter	-	30.333		١,,	468/1	ŸEW	3254	-	212	NC.	2533	
33	353 Lux meter	1	799'6	29,000	60BH0260 G1.07.00	469/1	YEW	3281		212	Ş	2533	
<u> %</u>	354 Photometric intergrating sphere	-	9,775,000	29,325,000	G1.08.00	470/1	•	•		213	VOIC	2533	4.0x6.0(X24)
8	355 1. Intergrating			•	G1.08.00	470/1.1	TOSHIBA	٧	-	213	721	2533	

Š	Items	Quantify	Price (Baht)	Price (Yen)	Code	Registration Number	Name of Producer	Model/Size	Div. in charge	Location Room No.	Received from	Received Budget from Year	Using Area WXL(m3)
356	356 2. Measuring rack for incandescent			1		470/1.2	TOSHIBA	v	-	213	JICA	2533	
					G1.08.00								
5	3573. Measuring rack for fluorescent			1	G1.08.00	470/1,3	TOSHIBA	V	-	213	JICA	2533	
388	358 4. Computer	-			G1.08,00	154/101	TOSHIBA	J-3100GX		213	YICV	2533	
85	359 5. Printer				C1.08.00	425/35	TOSHIBA	PWS5267A	-	213	2	2533	
8	360 Photometric Bench (Problem with Air conditioner / high ambient temp.)		3,398,333	10,195,000	C-90A-02	471/1		•	P4	213	JICA	2533	2.00x4.50(9)
361	361 1. Bench 4 meters				G1.09.00		TOSHIBA	ı	-	213	\ <u>\</u>	2533	
362	362 2. Lamp Fixing Stand				G1.09.00	•	TOSHIBA	•		213	JICA	2533	
8	363 3. Shad	_			G1.09.01	•	TOSHIBA	•	-	213	JICA	2533	
<u>\$</u>	3644. Photo Receiver				G1.09.01	•	TOSHIBA	•	-	213	JICA	2533	
36	365 Digital Photometer		132,000	396,000	B092820 G1.15.00.1	470/2	TEKTRONIX	316		213	JICA	2533	
8	366 Colorimetry	1	6.130,333	000'166'81	G1.16.00	1/2/4				213	JICA	2533	2.00x3.00(6)
367	1. Colorimetry Set	_			C1, 16,00	472/1-1	TOSHIBA	•		213	V.)Iſ	2533	
88	368 2. Lighting Table				G1.16.00	472/1-2	TOSHIBA		p-st	213	5	2533	
369	3693. Computer				G1.16.00	154/102	TOSHIBA		-	213	JICA	2533	
, 0, 10,	370 4. Printer	-			G1.16.00	425/36	TOSHIBA	PWS5267A		213	JICA	2533	
3	371 S. Standard Lamps of Colour Temp	-			G1.16.00		TOSHIBA	St.	-	213	JICA	2533	
372	372 Lamp Chamber tester	1	451,667	000*55£*1	61.19.00	473/1	TAIYO KEIKI		-	212	VOI	2533	1.20x1.20(1.44)

373 Life Test Rack for Candescent Lamp 374 Life Test Rack for Fluorescent Lamp 375 Life Test Rack for Fluorescent Lamp 376 Testing Circuits for Fluorescent Lamp 377 Testing Circuits for Incandescent lamp 378 AM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Function Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter		956,333	766.000	C-90A-04	474/1-1	TOCHIBA		- N	2	11CA	2533	0.50~2.00
373 Life Test Rack for Fluorescent Lamp 374 Life Test Rack for Fluorescent Lamp 375 Life Test Rack for Fluorescent Lamp 376 Testing Circuits for Fluorescent Lamp 377 Testing Circuits for Incandescent lamp 378 AM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Furction Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter		946,333	2000	さらく	1-1/5/7			_				
374 Life Test Rack for Fluorescent Lamp 375 Life Test Rack for Fluorescent Lamp 376 Testing Circuits for Fluorescent Lamp 377 Testing Circuits for Incandescent lamp 378 AM/FM Signal Generator 379 AM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Function Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter		946.333	·	G1.20.00		Valling)	•		cii.	;		۱۹۰۹۸۳۳۹۱۱
375 Life Test Rack for Fluorescent Lamp 376 Testing Circuits for Fluorescent Lamp 377 Testing Circuits for Incandescent lamp 378 AM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Furction Generator 383 Furction Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter		956,333	2,839,000	C-90A-05 G1.21.00	474/1-2	TOSHIBA	•		113	JICA	2533	0.50×1.50(0.75)
376 Testing Circuits for Fluorescent Lamp 377 Testing Circuits for Incandescent 1880 AM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Function Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 387 Electronic Voltmeter 388 Electronic Voltmeter		-	2.869.000	G1.21.00	474/1-3	TOSHIBA	•		113	VOIC	2533	0,50×1,20(0.6)
377 Testing Cirucuits for Incandescent lamp 378 AIM/FM Signal Generator 379 AIM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Function Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter		794,333	2,383,000	C-90A-07 G1.22.00	475/1	TOSHIBA			212	VOIC	2533	0.78x1.82(1.41)
378 AM/FM Signal Generator 379 AM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Function Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter	- -	96.000	168,000	G1.23.01	475/2	TAIYO KEIKI			212	<u> స</u>	2533	
379 AM/FM Signal Generator 380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Function Generator 384 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter 387 Electronic Voltmeter	<u> </u>	246,500	739.500	739.500 033718C126 Lo.01.00	476/1	NATIONAL	VP-8179B10		211	స్ట	2533	
380 Stereo Signal Generator 381 Audio Signal Generator 382 Audio Signal Generator 383 Furction Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 387 Electronic Voltmeter 388 Electronic Voltmeter	•	246.500	739.500	739,500 023693C126 Lo.01.00	476/2	NATIONAL	VP-8179B10	-	211	JiC	2533	
381 Audio Signal Generator 382 Audio Signal Generator 383 Furction Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter	-	123,000	369,000	041862B122	477/1	NATIONAL	VP-7635A	-	21.1)ICA	2533	
382 Audio Signal Generator 383 Furction Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter 387 Electronic Voltmeter		82,500	247,500	C80419E	478/1	TOA DEMPA	CRS-121A	-	213	VOIC	2533	
383 Furction Generator 384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter 387 Electronic Voltmeter	-	82,500	247,500	C80416E Lo.03.00	478/2	TOA DEMPA	CRS-121A	-	211	<u>ک</u>	2533	
384 Electronic Voltmeter 385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter 387 Electronic Voltmeter	-	77.667	233,000	042191E122 Lo.04.00	479/1	NATIONAL	VP-7420A		211	Ş	2533	
385 Electronic Voltmeter 386 Electronic Voltmeter 387 Electronic Voltmeter 388 Electronic Voltmeter		34.133	102,400	131361 Lo.05.00	427/26	N.	M-1748		211	YOIT	2533	
386 Electronic Voltmeter 387 Electronic Voltmeter 388 Electronic Voltmeter	-	34,133	102,400	131362 Lo.05.00	427/27	NF	M-174B	•	112	Ϋ́	2533	
387 Electronic Voltmeter 388 Electronic Voltmeter	-	34,133	102,400	131363 Lo.05.00	427/28	ZF	M-174B		211	ည်း က	2533	
388 Electronic Voltmeter		34,133	102,400	131364 Lo.05.00	427/29	Ä	M-174B		211	၌	2533	
		34,133	102,400	49090585	427/30	Ä	M-174B		211	Y)	2533	
389 Frequency Counter	-	005'91	49,500	1	435/5	KIKUSUI	FC01130		211	Ş	2533	
390 Frequency Counter	7	16,500	49,500	49090587 Lo.06.00	435/6	KIKUSUI	FC01130		211	స్ట	2533	

No. Items	Quan- tity	Price (Baht)	Price (Yen)	Code	Registration Number	Name of Producer	Model/Size	Div. in	Location Room No	Received Budget	Budget	Using Area
391 Audio Analyzer		358.333	1,075,000	041479D122 Lo.07.00	480/1	NATIONAL	VP-7722A	-		Y NC	2533	
392 Audio Analyzer	-	358.333	1.075.000	<u> </u> Š	480/2	NA'TIONAL	VP-7722A	_	211	V)ICV	2533	
393 Wow Flutter Meter		38,333	115,000	~	481/1	KIKUSUI	G778	-	211	710	2533	
394 Wow Flutter Meter	-	38.333	115,000	29103659	481/2	KIKUSUI	G77D	-	211	Z	2533	
395 Oscilloscope		169,667	209,000	10046225 Lo.09.00	434/4	KIKUSUI	COM7200A	-	211	స్ట	2533	
396 DC Power Supply	-	29,417			424/20	TAKASAGO	GP035-5		211	JICA	2533	1
397 DC Power Supply	-	29,417	88,250	11989311	424/21	TAKASAGO	GP035-5	_	211	JICA	2533	
398 DC Power Supply		29.417	88,250	11989312 Lo.11.00	424/22	TAKASAGO	GP035-5		211	VJIC	2533	
399 DC Power Supply		29,417	88,250	11989313 Lo.11.00	424/23	TAKASAGO	GP035-5	-	211	VOIC	2533	
400 Field Strength Meter	-	164,000	492,000	M53464 Lo.12.00	482/1	ANRITSU	M-262F	_	211	Y)(C	2533	1.00x2.00(2)
401 FM Detector	_	229,667	689.000	M27367 Lo.13.00	483/1	ANRITSU	MS-618	_	211	Y)IC	2533	
402 Shield Room		691,333	2,074,000	Lo.14.00		Nippon shield	AIR-23-WS	-	211	JICA	2533	
403 Dummy Antena	-	20,333	000.19	031390A122 Lo.15.00.1	21//75	NATIONAL	VQ-085C	-	211	JICA	2533	1
404 DC Volt-emmeter		16,333	49,000	1	427/31	YEW	2012	-	211	<u>کا</u>	2533	
405 AC Volt-ammeter	-	18,000	54,000	60AG0579 M1.02.00	427/32	YEW	2014	-	202	YCV	2533	
406 DC Voltage/current Standard	1	73,667	221,000	50BE0348 M1.08.00	427/33	YEW	2554		207	VOIC	2533	
407 AC Voltage/current Standard	1	291,333	874,000	50AZ0105 M1.09.00	427/34	YEW	2558		207	Y)[2533	
408 Temperature oven	-	263,333	790,000	PHL-T468/40 E1.04.00	484/1	TAKAHUGI	8206		202	VJICV	2533	
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13	Items	Cuan	Price	Price	Code	Registration	Name of	Model/Size	Div. in	Location	Received Budget	Budget	Using Area
•		tity	(Baht)	(Yen)		Number	Producer		charge			Year	WXL(m3)
8	109 Anemometer		15,000	45,000	Bo.01.00	485/1	OGAWA SEIKI	DA-1		113	JICA	2533	
12	110 Anemometer		15,000	45.000	Bo.01.00	485/2	OGAWA SEIKI	DA-2	,	113	JICA	2533	:
E	111 Heating Efficiency Test Stand		149,667	449,000	Bo.03.00	463/2	TAIYO KEIKI	1	-	212	NOI	2533	
15	412 Mechanical Endurances Test for speed Regulator: Rotary Type		1.090,333	3,271,000	Bo.05.01	486/1	TAIYO KEIKI	B.	p-8	316-4	лсv	2533	1,00×2.00 (2)
413	413 Mechanical Endorances Test for Speed Regulator: Push Type		934,667	2,804,000	Bo.05.02	486/2	TAIYO KEIKI			212	V)IC	2533	
4	414 Microphone: 1 inch		80.000	240,000	1503165 G2.01.00	\$4/101	8+K	4145	_	217	JICA	2533	
415	415 Microphone: 1 inch		80.000	240,000	1503185 G2.01.00	24/102	Я+В	4145	-	217	ncv	2533	
416	416 Microphone: Tinch		39.000	117,000	1517929	54/103	B+K	4133	••	217	ncv	2533	
=	417 Microphone: □"inch	-	39,000	117,000	1517931	54/104	8+K	4133		217	<u>کا</u>	2533	!
418	418 Pre-amplifier		53,500	160,500	GZ.03.00	54/105	8+K	26395	-	217	YOIT	2533	
415	419 Pre-amplifier		53.500	160,500	G2.03.00	\$4/106	8+K	26395	-	217	אטור	2533	
ĭ	420 Measuring Amplifier		655,000	1,965,000	1537483 G2.07.00	24/102	B+K	2636	-	217	JICA	2533	
Ş	421 Sine wave Generator	-	492.333	1,477,000	1501442 G2.08.00	24/108	B+K	1051	-	217	ror	2533	
5	422 Level Recorder	1	950,000	2,850,000	1470478 G2.09.00	54/109	B+K	2307		217	JICA	2533	
4	423 Band Pass Filter		502,667	000'805'1	1536706 G2.10.00	54/110	B+K	1617		217	JICA	2533	
\$	424 Power Amplister		140,000		1517549 G2.11.00	\$4/111	B+K	2706		217	JICA	2533	
4	425 Sound Level Meter	p.cd.	95,667	287,000	V	54/:12-1	RION	NA-29E		217	JICA	2533	
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Š Z	Items	Outro-	Price	Price	Code	Registration	Name of	Model/Size	Div. in	Location	Received	Budger	Using Area
7		À	(Baht)	(Yen)	1	Number	Producer		charge	Room No.	from	Year	WXL(m3)
426	426 Sound Level Meter	_	95,667	287.000	10300133 G2.12.01.02	54/112-2	RION	NA-29E	-	217	7)ICV	2533	
427	427 Sound Level Meter		95,667	287,000		54/112-3	RION	NA-20	-	217	<u>ک</u> ات	2533	
428	428 Sound Level Meter	-	95,667	287,000	66106402 G2.12.01.02	54/112-4	RION	NA-20		215	7 <u>3</u> 1C	2533	
429	429 Sound Level Meter	_	191.333	574,000	93017 G2.12.01.02	54/112-5	RION	CP-10	-	215	7311	2533	
430	430 Sound Level Meter	-	191,333	574,000		54/112-6	RION	NC-11		215	221	2533	
431	431 Level Recorder	-	115,333	346,000		\$4/113	RION	LR-04	-	215	JICA	2533	
432	432 Level Recorder	_	115,333	346,000		54/114	RION	LR-04		215	VJIC	2533	
433	433 Piston phone	-	71.667	215,000	00402445 G2.14.00	\$4/115	RION	NC-72		215	VJIC	2533	
434	434 Anechoic Room	_	1 15,545,000	46,635,000	G2.03.00	54/116			-	215	స్ట	2533	
435	435 1. Speaker	_			1	54/116.1	TANNOY	LYNX		215	JICA	2533	
\$	436 1. Speaker	-				54/116.2	TANNOY	LYNX		215	YOU	2533	
437	437/2. Speaker	<u></u>			•	54/116.3	TANNOY	LYNX	-	215	YOK	2533	
438	438 Calorimeter Room		143,556,667	130,670,000	Bc.02.00	1/287	OHNISHI	•	-	219	5	2533	
	-Calorimeter Control panel	Part .				-							
	-Control Peanel											18) 18 miles mi r 2	
439	1, Computer	-			2804A11356	154/100	Hewlett Packard	9122C		219	r) ICV	2533	
:	-Moniter		·		8911K01650 Bo.02.00			357318			77 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 	T . D	a de la
\$4 0	440 2. Printer	=-			2646J10282 Bo.02.00	425/34	Hewlett Packard	41031A	-	219	JICA	2533	

ģ	ltems	Ouan Sir	Price (Baht)	Price (Yes)	Code	Registration Number	Name of Producer	Model/Size	Div. in	Div. in Location charge Room No.	Received Budget from Year	Budget	Using Area WXL(m3)
\$	441 3. UPS	-			Bo.02.00	426/20	YAMABISHI	100011F		219	JICA	2533	
4424	4. 4.1 Cyclometric Box	_			Bo.02.00	487/1.1	CHINO	4		219	JICA	2533	
4	443 4.2 Cyclometric Box	_			Bo.02.00	487/1.2	CHINO	E		219	VOIC	2533	
4	4443. Pressure Equilizer	-			Bo.02.00	487/1.3	VENIX	WH-0535	-	219	JICA	2533	
<u>\$</u>	445 4. Pressure Equilizer				Bo.02.00	487/1,4	VENIX	WH-0535		219	V)[C	2533	
4 8	446 4.5 Scanner for Thermocouple	_			Bo.02.00	487/1.5	YOKOGAWA	388262	-	219	JICA	2533	
2	447 4.6 Electronic Balance				Bo.02.00	487/1.6	ONA	å	~	219	JICA	2533	
448	448 4.7 Electronic Balance	_			Bo.02.00	487/1.7	AND		-	219	NOIL	2533	
\$	449 4,8 Water Pump	_			Bo.02.00 9000188	487/1.8	HITACHI	W-P80F	-	219)ICA	2533	
450	450 4.9 Water Pump				Bo.02.00 9000203	67/178	HITACHI	W-P80F	-	219	JICA	2533	
<u>\$</u>	451 4.10 Chiller Unit	_			Bo.02.00 7154232	487/1.10.1	HITACHI	RCUSY		219	V)IC	2533	
452	452 4,11 Chiller Unit				Bo.02.00 7154333	487/1.10.2	нтасні	RCUSY		219	JICA	2533	
3	453 4,12 Distiller				80.02.00	487/1.11		•		219	NOI	2533	
\$	454 4.13 Water Pump				Bo.02.00	487/1.12	HITACHI	WT-K200F		219	JICA	2533	
455	455 4,14 Air Compressure	_			Bo.02.00 RH631622	487/1.13	HITACE	WT-K200F 0.75P-9.5V	-	219	JICA	2533	
456	456 4.15 Cooling Town				Bo.02.00	487/1.14	Shinwa Sangyo	MXC-P50AS	and	219	JICA	2533	
457	457 4.16 Refrigerator				Bo.02.00 U21900446	487/1.15	HITACHI	30 3142•AW	_	219	JICA	2533	
458	458 4.17 Refrigerator				Bo.02.00 U21900448	487/1.16	нтасні	30 3H2-AW		219	5	2533	Touch differen

ż	ltems	Quan	Price	Price	င်စုဇ်	Registration	Name of	Model/Size	Div. in	Div. in Location Received Budget	Received	Budget	Using Area
		tity	(Baht)	(Yen)		Number	Producer		charge	charge Room No.	from	Year	WXL(m3)
459	459 4.18 Refrigerator				Bo.02.00	487/:.17	HITACHI	30 3112-AW	-	519	JICA	2533	
94	460 4.19 Refrigerator				Bo.02.00 2190447	487/1.18	нтасні	30 3H2-AW	-	219	JICA	2533	
<u>\$</u>	461 4.20 Refrigerator				Bo.02.00 U2190445	487/1.19	HITACHI	30 3H2-AW		219	Z)í	2533	
4 62	462 Safety test tool kit (not perfect)	80	279.000	837.000	CA.01.00a	448/2	•	•	-	212	YUK	2533	
463	1. Spring impact test hammer				9003087.13 CA.01.00a	448/2.1	EXCEL	7-83 -83		212	VOIT	2533	
\$	464 2. Push pull gauge	-			- CA.01.00a	448/2.2	EXCEL	I-80		212	JICA	2533	
₹	465 3. Test finger	-			CA.01.00a	448/2.3	EXCEL	I-8O	-	212	NCA	2533	
\$	466 4. Test pin	~			CA.01.00a	448/2.4	EXCEL	1-80	_	212	JICA	2533	
\$	467 S. Ball pressure				CA.01.00a	448/2.5	EXCEL	1-82	_	212	ncv	2533	
\$	468 6. Sharp edge tester				CA.01.00a	448/2.6	EXCEL	I-80	-	212	JICA	2533	

List of Existing Equipment & Machinery at TISI-Bampoo

ġ Z	Items	Ouan	Price	Price	Code	Registration	Name of	Model/Size	Div. in	Location	Received Budget	Budget	Using Arca
		ij				Number	Producer		charge	S	from	Year	WXL(m3)
<u>\$</u>	469 7. Steel sphere				• ;	448/2.7	тарха	-85 85		212	<u> </u>	2535	
					CA.01.Wa	9 9 9 7	1.332.	. 00	Ţ.	;;	32.	2636	
470	470 8. IS gauge				CA.01.00a	448/2.8	EACEL	Š	-	717	5	25.7	
12.	471 Lux meter		46.700	8	62BK0110	275/2	YOKOGAWA	3286-1992		213	THAI	2535	
477		_	17,976	76		423/1	YOKOGAWA	H-12	-	219	THAI	2535	
15			17.976	76		423/2	YOKOGAWA	H-12	pos,	219	THAI	2535	
474					6237HCV4191 23442601N133	154/86	СОМРАО	3/25 S		212	THAI	2535	
₹ ₹					6237HCV4138 	154/87	COMPAQ	3/25 S	<i></i>	212	THAI	2535	
476	476 IEC impact hammer	_	160,000	000 480.000	CA.03.00	448/1.1	EXCEL	F22.50		212	JICA	2535	
477	477 Testing Circuit of starter		713.333	33 2,140,000	CA.24.00	552/1	Precision			211	JICA	2535	0.78×1.82(1.41)
478	478 Gauges of starter		163,333	333 490,000	CA.25.00	553/1		W	_	211	JICA	2535	
479	479 Torque meter (fluorescent lamp)		000'09	180,000	00490G	219/3	TONICH	2-TM 50	-	212	JICA	2535	
480	480 PRINTER				53B0017333	425/7	NOSAS	LQ-1170		212	THAI	2535	
£8.	481 PRINTER				53B0018749	425/8	EPSON	LQ-1170		212	THAI	2535	
482		_	<u></u>		Ca.22.00	492/1			_	212	THAI	2535	0.72x0.76(0.54)
483						413/2		3	_	113	THAI	2535	0.70×1.80(1.26)
\$	484 Water activity	<u> </u>		590*1		455/1		Rotronic DT 1.		219	THAI	2536	
483	485 Stabilizer				90803	427/35	Stavol Matsunaga	TSA-1020F		212	THAI	2536	0.50x0.80(0.4)
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ġ Z	Items	Quan- tity	Price (Baht)	Price (Yen)	Code	Registration Number	Name of Producer	Model/Size	Div. in	Location Room No.	Received Budget from Year	Budger	Using Area WXL(m3)
\$ \$			22,149			182/3	IWATA CSP	SPC-1SP.B.	-	207	THAI	2536	0.50×1.00(0.5)
487			6.597		•	330/2	JETWELD			219	THAI	2536	0.50×0.50(0.25)
\$ \$ \$		_	1,575			458/1	IMPERIAL	496-CD	-	219	THAI	2536	
489		_	31,500			100/3	MARVAC	B-30		219	THAI	2536	
<u>\$</u>		_	4.083		1	248/11	CALCO	FRIOGAS 22		219	THAI	2536	
491			4.083		1	248/12	CALCO	FRIOGAS 22	-	219	THAI	2536	
\$ 1			9.270		•	459/1	IMPERIAL	•	-	219	TIIAI	2536	
493	493 GO/contact gauge (not complete)	_	51,520	224,000	CA-28.00	449/2			-	212	721	2536	
4 4 4	494 Grip for torque test of incandescent lamps		113,850	495,000	G1.24.00	1/655				212	JICA	2536	
495	495 Fault condition test apparatus	-	106.950	465,000	CA.30.00	260/1			-	207	JICA	2536	0.70×1.00(0.7)
\$	496 Impact tester	-	50,000		CA.27.00	1/195			_	211	JICA	2536	1.26x0.55(0.69)
497	497 Glow-wire test apparatus		805,000	3,500,000	CA.29.00	562/1	нітасні	HAT-214	-	211	Z	2536	0.72×0.75(0.54)
864			13,289		301560	490/1	CIGWELD	COMET 5000/3000 Kpa	-	219	THAI	2536	
§	499 TOP LOAD		20.000		0255-35	72/27	Transmate	EDI-302		219	THAI	2537	
Ş			16,146		•	245/8		•		219	THA	2537	
દ્ધ			10,000		H2GB600388	200/10	SAMSUNG	CVM4787	_	212	THAI	2537	
8	-	-	172,100		203441	254/5	MINOLTA	CL-100	-	310	THAI	2537	

Z.	ltans	Quantity	Price (Baht)	Price (Yen)	Code	Registration Number	Name of Producer	Model/Size	Div. in charge	7 %	14.	Budget	Using Area WXL(m3)
5031UPS		=	20,000		1	426/28	•	•		212	TILAI	2537	
204		_	158,360		,	474/2	TOSHIBA	5		113	THAI	2537	0.60×2.00(1.2)
202			69,229		GL059400557	154/119	socos	486 DX2-66 CM-1448	1	212	THAI	2537	
506		-	4,250		•	2.6/296	•	•	-	211	IVILL	2537	
507			10,433		\$3FR7069	433/3	YOKOGAWA	2791		212	THAI	2537	
308			10,433		•	433/4	YOKOGAWA	OSK-10244	_	212	THAI	2537	
309			1,928		100487	440/15	MATSUWAGA	TSB-5M	-	212	THAI	2537	
510			1,928		,	440/16	MATSUWAGA	TSB-5M	_	212	THAI	2537	
511			1,928		100517	440/17	MATSUWAGA	TSB-5M	-	212	THAI	2537	(the restanting ways,
512		_	8.988		•	446/5	SIMPSON	229-2	-	212	THAI	2537	7
513			8,988		•	446/6	SIMPSON	229-2		212	THAI	2537	
514			50,932		•	219/3	TOHNICHI	•	_	212	THAI	2537	
\$15	:		17,816		•	\$10/1	ADVANTEST	•		213	IVIII	2537	
516			17,816		1	\$10/2	•	•	-	213	THAI	2537	
217		1	17,816		•	510/3	•	•	-	213	THA	2537	-Anc. In America
818			662,150		•	441/3	SCKEN	•		114	THAI	2537	
615		-	78,645		ı	441/4	HIOKT	ı		212	IVILL	2537	0.90×1.50(1.35)
520 UPS			009'6		•	426/49	APC	Back-ups 600 I	-	212	THAI	2537	

ģ	Items	Quan-		Price	Code	Registration	Name of	Model/Size	Div. in	Location	Received	Budget	Using Area
1		tity	(Baht)	(Yen)		Number	Producer		charge		from	Year	WXL(m3)
221		-	735,946		13002181	484/2	TAKASUGI	PR-1 ST 9028		212	THAI	2537	0.78x0.96(0.74)
222		-	63,130			6/259	•	•		208	THA	2537	
523						484/3	•	•		208	TIM	2537	0.45x0.70(0.31)
524 Probe	hobe		8.276	36.000	12391-2	1/995	TOKYO DENPA	PTY 124 H	_	219	JICA	2537	
225	525 Anemometer	-	45,517	198,000	541016	542/1	KANOMAX	MODEL24-6111	-	219	JICA	2537	
226			64.368	280,000	36A1655	455/3	COSMO	DM3500		219	JICA	2537	
227		-	88.506	385,000	263	1//95	YAMATO	02-41	-	202	NCA	2537	
228 228 228	(Missubishi Daiya Brand Room air conditioners fo model)	-	30,344.83	132,000	94166	254/9	YOSI IINO KEIKI	SY-1D	-	219	YOU	2537	APPENANTAL
	1. (SRC 502L)	_	17.315	75.320	SRK12791472 SRC471500033	6/280	MITSUBISHI	1540BTU(CL)		219	ঠু		
5292	5292. SRK 324K-W (SRC 204)	-	11,122		48.380 RK 22840037 SRC26700327	6/281	MITSUBISHI	9560BTU(CL) 12970BTU(HP)		219	JICA JICA	2537	
5303	530[3. SRK 205-W (SRC 204)		11,122	48,380 S	SRK33800024 SRC365208805	6/282	MITSUBISHI	6140BTU(CL) 8530BTU(HP)	-	219	JICA	2537	
5314	531 4.WV183 C•W		10.503	45.690	314402392R	6/283	MITSUBISHI	5460BTU		219	V)IC	2537	
222	532 5. SRK 253 CENF-W (SRC 253 CENF)	-	6.897	30,000	RW4002A033	6/284	MITSUBISHI	7500BTU		219	VOIC	2537	
5336	533 6. SRK 186-W (SRC 186)		6,460	28,100	RC0003A706	6/285	MITSUBISHI	5460BTU(CL)	-	219	۲ کات	2537	
534C	534 Circulator Cooling		114,483	498.000	308555	532/1	YAMATO	BL-51	-	219	JICA	2537	0.40x0.52(0.20)
5350	535 Quartx Thermometer	-	459.310	1.998,000	12391 12392	254/7	TOKYO DENPA	DMT-610B	-	219	721	2537	
536			005'6	<u> </u>	•	523/1	PATTANA ENG.	•	-	201	THAI	2538	
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1		ltems	Quan- tity		Price (Baht)	Price (Yen)	Code	Registration Number	l	Model/Size	Div. in charge	[그 점	Received from	11	Using Area WXL(m3)
1 2,429	÷		 .	_	46.500		•	524/1	PA'TTANA ENG.	•		~	Ϋ́ Ε	2538	
1 2270 28093 IMPERINAL 432-CM 1 11141 1538 EASTIMAN 1 107 THAI 1538 1 13380 14621 MECMESIN AFG 50N 1 11141 1538 112 THAI 1538 113 THAI 1538 113 THAI 1538 11411 1538 11411 141111 14111 14111 14111 14111 14111 141111 14111 14111 14111 14111 14111 14111 141111 141111 141111 141111 141111 141111 141111 141111 141111 141111 141111 141111 141111 141111 141111 1411111 1411					2,429		•	290/2	•	•		219	THAI	2538	
1 32.849 1 32.71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					2,270			290/3	IMPERIAL EASTMAN	432-CM	-	219	THAI	2538	
1				1	32,849			527/1	•	•		201	THAI	2538	
1 73.500 199.73					48,021		94010401 Ca.35.00	416/2	MECMESIN tokyo testing	AFG 50N		211	THAI	2538	
1 85,000 . 535/1 					73,500			199/3	•			512	THAI	2538	
1 618.246 Ca.,41.00 191/2 sidumt 95-181 1 207 T11A1 2538 1 5.290,000 - 536/1 PATTANA ENG. - 1 207 T11A1 2538 1 5.564 - 440/20 -				-	85,000		•	535/1	•	*	_	113	TIIAI	2538	
1 2290,000 1 5.564 - 440/19 - 1 212 114/1 2539 1 5.564 - 440/20 - 1 212 114/1 2539 1 10,272 - 440/21 - 1 212 114/1 2539 1 10,272 - 440/23 - 1 212 114/1 2539 1 10,272 - 125/3 - 125/3 - 1 212 114/1 2539 1 10,272 - 125/3 - 125/3 - 1 212 114/1 2539 1 2539 - 125/3 - 1 212 114/1 2539 1 2539 - 125/3 - 1 212 114/1 2539 - 125/3 - 1 212 114/1 2539 - 125/3 - 1 212 114/1 2539 - 125/3 - 1 212 114/1 2539 - 125/3 - 12				-	618,246		Ca.41.00	2/161	sidumt	181-56		207	THAI	2538	1.00×1.00(1)
5.564 - 440/19 - 1 212 THAI 2539 5.564 - 440/20 - 1 212 THAI 2539 10,272 - 440/21 - 1 212 THAI 2539 10,272 - 440/22 - 1 212 THAI 2539 10,272 - 440/23 - 1 212 THAI 2539 10,272 - 440/24 - 1 212 THAI 2539 15,300 - 125/3 - 1 212 THAI 2539 2,630 - 349/3 - 1 212 THAI 2539 2,630 - 349/4 - 1 212 THAI 2539				-	290,000		•	\$36/1	PATTANA ENG.			207	THAI	2538	
1 5.564 . 440/20 . 1 212 THAI 2539 .	4			-	5.564		,	440/19	•	4	-	212	THAI	2539	
1 10,272 . 440/21 	⋖			-	5,564			440/20	•	. •		212	THA	2539	
1 10,272 . 440/22 .	8			=	10,272			440/21	•	q	-	212	THAI	2539	
1 10,272	×.			=	10.272			440/22	•	•		212	IMI	2539	
1 10,272	×.		<u></u>		10.272			440/23	•	•	_	212	THAI	2539	
1 15,300 - 125/3 - 1 2 12 THAI 2539 1 2,630 - 349/3 - 1 2 12 THAI 2539 1 2,630 - 349/4 - 1 212 THAI 2539	4			=-	10,272		*	440/24	•	*		212	THAI	2539	
1 2,630 - 349/3 - 1 212 THAI					15,300			125/3	•	•		212	THAI	2539	0.35×0.35(0.12)
1 2,630 - 349/4 - 1 2.12 THAI	UTOYO			-	2,630		e e	349/3	ŀ			212	THAL	2539	
	UTOYO				2,630		1	349/4	1	•	-	212	THAI	2539	

Appendix-1

	ltems	Ouan	Price (Baht)	Price (Yen)	Code	Registration Number	Name of Producer	Model/Size	Div. in charge	Location Room No.	Received Budget from Year	Budget	Using Area WXL(m3)
SSSMITUTOYO			10,101		0014601	149/5	Mitutoyo	CD-6"C(500-17)	_	212	IMIL	2539	
SS6 MITUTOYO			10,101		0014602	149/6	Mitutoyo	ე9-CD	-	212	IVIL	2539	
SSTMITUTOYO		-	13,501		6201014	348/9	Mitutoyo	293-421-20	-	212	THAI	2539	
SS8 MITUTOYO		-	13.501		6201800	348/10		293-421-20	_	212	THAI	2539	
						1/5/5			-	212	THAI	2539	0.80×1.80(1,44)
		-		•	SG70301538	154/236	HEWLETT PAKARD HP	VL4 5/133 M 1280	-	212	INIT	2540	0.80×1.50(1.2)
		_			KR65285164		HEWLETT PAKARD IIP	D 2811		rava, orbi, are Define			Law odd Wall w Cave
				,	SG70301398	154/243	HEWLETT	VL4 5/133		212	THAI	2540	0.80x1.50(1.2)
		7			KR65285527		HEWLETT PAKARD HP	D 2812					
		-	9,000		L 094153	245/11	NGITAL DIGICON	SB-15		219	THAI	2540	
		-	000.099		53767	1/085	WAP POWER-CLASS	0066	-	219	THAIL	2540	
			1,239,863		8466	484/5	Gallenkamp	HCC110.CF4J 1x1x0.8	-	212	TiM	2540	1.32×1.95(2.57)
			174,410		4110026	439/27					ME	254!	∞
		-	320,000			439/27			-	801	TIINI	2538	2.00x4.00(6)
									-	13	THAIT	2541	0.42×1.00(0.42)
:									-	113	TIMI	2541	0.42x1.00(0.42)
-			83,333	250,000					-	113	THAI	2541	0.60×1.50(0.9)
			83,333	250,000					-	113	THAL	2541	0.60x1.50(0.9)

e.a.a	
Using Area	WXL(m3)
Budget	Year
m Received Budge	from
Div. in Location	ROOTH NO.
Dr. ii	charge
Model/Size	
Name of	Producer
Registration	Number
80	Num
Price	(Yen)
Price	(Baht)
Ouan-	tity
Items	

10.771.270

Appendix-2(1)

Cost for New Equipment	quipment			(Million Bah	(Million Bahts, 18=3yen)	
			Yen	Amount	Investment Year	
Calibration	Direct Current Low Frequency	٧	119	39.7	2002	
	High Frequency	8	92	25.3	2003	
	Length,Shape	C	174	58.0	2000	
	Temperature	۵	71	23.7	2000	
	Sub-Total		440	146.7		
Testing Laboratory	Reliability Testing	a	200	66.7	2001	
	Safety Testing	4	31	10.3	2000	
	Parts Testing	Ŋ	45	15.0	2000	
	Home Electronics Products Testing	Ή	75	25.0	2001	
	AV Products Testing	_	707	235.7	2001-2003	2001/2002=1
	Information Comunication OA Testing	J	110	36.7	2002	
	Sub-Total		1168	389.3		
Investment Amount	Category		Amount			
Year 2000	Length, Shape, Teperature-Calibration	C,D	321	107.0		
	Safety Testing, Parts Testing	F,G				
2001	Reliability Testing	ш	425	141.7		
	Home Eletronics Products Testing	I				
	AV Products Testing	-				
2002	Direct Current Low Frequency Calibration	A	379	126.3		
	Information Communication OA Testing	-				
	AV Products Testing	I				
2003	High Frequency Calibration	8	483	191		
	AV Products Testing	_				

List of New Equipment and Machinery

Calibration	Direct Current Low Frequency	٧
Laboratory	High Frequency	В
	Length, Shape	၁
	Temperature	Q

Festing Laboratory Reliability Testing	ility Testing	Ε
Safety	Safety Testing	F
Parts Testing	l'esting	C
Home	Jome Electronics Products Testing	Н
AV Pr	AV Products Testing	I
Inform	nformation Comunication OA Testing	ſ

		MillionYen	Existing Equipment	No.
		Amount	in TISI	
Category A	Standard Voltage Generator			
(Direct Current and	(Direct Current and Standard Voltage Potentiometer			
Low Frequency)	Calibrator			
Calibration	Alternating Current Measurement Standard			
	Atemating and Direct Current Comparator			
	Potentiometer			
	Direct Current Nanovolt Calibrator			
	High Voltage Divider			
	Digital High Voltmeter			
	Alternating Current Digital High Voltmeter			
	Direct Current High Voltage Power Supply			
	Alternating Current High Voltage Power Supply	1		
	Electric Power Converter			
	Phase Shifter			
	Alternating Current Standard Voltage & Current Generator			
	Digital Power Meter			
	Digital Power Factor Meter			
	Calibrator			
	Precise Resistance Measurement Equipment			

																				119
Standard Resistor	Standard Decade Divider	Digital High Resistance Meter	Standard Resistor	Standard Resistor	Standard Resistor	Standards Capacitor	Standards Capacitor	Standards Capacitor	Standards Capacitor	Standard Inductor	Decade Inductor	Precision Capacitance Measurements System	Precision LCR Meter	Q Meter	Q Standard	Standard Magnet	Weak Magnetic Field Standard	Gauss Meter	Cable Measurement Jig	Sub-Total

Category B	Attenuation Quantity Calibrating Apparatus	
High Frequency	Standard Attenuator	
Calibration	Standard Attenuator	
	Variable Resistance Attenuator	
	VHF Attenuator	
	Calibration Receiver	
	Power Meter Calibrating System	
	Power Meter	
	RF Voltmeter	
	Video Noise Meter Calibrating System	
	Signal Generator	
	Signal Generator	
	TV Signal Generator	
	Distortion Meter	
	Standard Termination	
	Standard Miss-Match	
	Stotedline	
	VSWR Meter	
	Laser Power Standard	
	He-Ne-Laser	
	GPS Receiving Equipment	
	Rubidium Frequency Standard	
_	Frequency Comparator	
	Microwave Counter	
	Electronic Counter	
	Modulation Analyzer	
	Spectral Network Analyzer	
	Side Band Analyzer	
	FM Calibrator	
	Quartz Timer	
	Wow Flutter Jitter Calibrator	
,	CD Jitter Meter Calibrator	
	VTR Jitter Meter Calibrator	
	Cable, Measurement Jig	
	Sub-Total	76

0.2000	
Catcgory C	Gage Block Automatic Unecker
Length, Shape	Length Measuring Machine
Calibration	Electric Micro Meter
	Dial Gage Automatic Checker
	00 Class Gage Block
	Thin Gage Block
	0 Class Gage Block
	Caliper Checker
	Linear Height
	Precision Check Master
	Glass Scale 250 mm
	Glass Scale 50mm to 300 mm
	All-around Microscope
	Square
	Ostium Caliber Measure
	Magnification Calibrator
	Laser Micrometer
	Precision Plain Form Squares
	Precision Blade Form Squares
	Optical Flat
	Ring Gage
	Three Wires for Thread Measurement Gage
	Cylindrical Standard Master
	Roundness Glass Master
	Roundness Measuring Machine
	Roundness Magnification Standard Fragment
	Cylindrical Squares
	Cylindrical Master
	Cylindrical Test Bar 30X 150mm
	Cylindrical Test Bar 30X 300mm
	Mini Level 150 mm
	MDC Measurement System
	Precise Stone Surface Plate
	Surface Roughness Standard Fragment
	Sine Bar

	Plain-Shaped Spirit Level	
	4-right-angle master	
	Surface Roughness Measuring Instrument	
_	Three Dimensional Measuring Instrument	
	Sub-Total	174
•		
Category D	Fixed Point of Temperature, Silve, Tin and Zinc	
Temperature	Water Triple Point Equipment	
Calibration	Automatic Calibration Apparatus of thermocouple and Platinum Resistance	
	Hot Thermocouple Automatic Calibrating Apparatus	
,	Standard Thermocouple	
	Standard Platinum Resistance Bulb	
	Liquid Layer Agitator	
	Digital Thermometer	
	Zero Con	
	Blackbody Furnace	
	Radiation Thermometer	
	Surface Termperature Calibrating Apparatus	
	Calibrating Apparatus of Temperature of Soldering Iron Tip	
	Sub-Total	7.1
Category E	Thermostat +40-500 C	
Reliability Testing	High Low Termperature Thermostat -85 to + 180C	
(Testing)	Fixed Temperature and Fixed Humidity Chamber -40 to +150 C	
	Pressure Cooker	
	Dewfall Cycle Testing Device Hot Side, Cold Side	
	Thermal-Shock Test Machine Gaseous System	
	Thermal-Shock Test Machine Liquid System	
	Vibration Test Machine	
	Shock Testor	
	Direct Current Stabilization Power Supply for hot load test and humid test	
	Decompression Testing Machine	
	Leakage Tester	
	Gas Corrosion Testing Machine	
	Saltwater Spray Testing Machine	
	Sub-Total	200

Category F Safety Testing	Burning Testing Device Vertical Burning Testing of 20 mm Burning Testing Device V-0.V-1, V-2	Existing Equipment in TISI	Ö
•	Burning Testing Device Combustibility Testing Condenser		
	Burning Testing Device High Voltage Parts IC Burning Test		
	Life Test Equipment		
	Inner Flamer Tester		
	High-Voltage-Resistance Testing Machine	High Voltage Testing Device	
	Serge Generator		
	Tester of Static Electricity Tolerance Degree		
	Pressure-Resistance Insulation Testing Device		
	Leakage Current Meter		
	Thermograph		-
	Digital Wattmeter		
	Digital Volt Meter	Electronic Voltmeter	46
	High Frequency Wattmeter		
	Drop Test Equipment		
	Sub-Total	31	
Category G	Wire Cable Test Equipment	Flexing Tester on Electrical Machinery Part	6
Parts Testing	Fuse Testing Device		
(Testing)	Wiring Appliance Testing Machine	Glow-Wire Test Apparatus	41
	Small Transformer For Discharge		
	Ballast Set Tester For Discharge		
	Motor Testing Device		
	Sub-Total	45	
Category H	Voltmeter	AC Voltmeter, Variable AC Source	3.8.13.14.26.27.28,42.52.53
Home Electronics	Ammeter	Termo-Couple Type Ammeter, AC Ammeter	44,50
Products Testing	Wattmeter	Watt Meter, Digital Watt Meter	43,51
	Digital Power Meter		
	Multiple Wattmeter		
	Insulation Voltage Set Tester	Insulation Resistance Meter	11,12,15,16,17,49
	Leakage Current Meter		
	High Frequency Wattuneter	High Frequency Breakdown Tester	33

	Thermometer		
	Тъстодгаръ		
	Cleaner Suction Tester		
	Tester of Washer Cleaning Degree		
	Air-Conditioner Ability Lab		
	Thermograph		
	Sub-Total	75	
ateoory I	Television Receiver Characteristic Test Instrument JIS Testi	20	
VV Products	VTR Characteristic Test Instrument	20	
Testing Machine	Radio Characteristic Test Instrument	5	
Testing)	Magnetic Tape Recorder Characteristic Test Instrument	\$	
Difficult	CD Characteristic Test Instrument	10	
-	MD Characteristic Test Instrument	\$	
	DVD Characteristic Test Instrument	20	
	Audience Room 32 m2, Interior Construction	5	
	Shield Room 32 m2, Upholstery Construction Set	10	
	EMC Evaluation Room	80	
	TEM Cell 1 GHz	5	
	Life Test Room 32m2	7	
	CRT Destruction Strength Testing Device	5	
	Television Camera Set Tester	10	
	Video Camera Set Tester	10	
	Transmission Machine Set for TV, PAL NTSC SECAM	80	
	AV cost of Construction, Electric Wave Anechoic Chamber of 1	400	
	AV cost of Construction Shield Room	10	
	Sub-Total	707	

Category J	Telephone Characteristic Test Instrument	
Communication	Cordless Telephone Characteristic Test Instrument	
aformation Produ	Information Product Transceiver Charateristic Test Instrument	
Testing	Carrying Telephone Characteristic Test Instrument	
)	Facsimile Characteristic Test Instrument Resolution	
	Copier Characteristic Test Instrument Resolution, Concentration	
	Sub-Total	110

Appendix-3: List of Office Equipment, Furniture & Fixture for EEI

Š	Items	Quantity	Price/Unit	Amount
			(Baht)	(Baht)
	Car for Exectutive Director	ĬI]	1,200,000	1,200,000
2	Office Car	3	900,000	2,700,000
3	Table and chair for Director of Institute		15.000	15,000
4	Table and Chair for Director of Division	9	12,000	72,000
Š	Table and Chair for Officer	7.5	7.000	525,000
9	Table and Chair for Meeting Room	10	2.000	50,000
7	Cabinet for Documents	20	3,500	20,000
8	Copy Machine	1	000'06	90.000
6	Personal Computer	8	40,000	320,000
0	Printer	9	20,000	120,000
11	Table and Chair for Computer work	8	3,500	28,000
12	Projector which use for computer] [250,000	250,000
13	Facsimile Machine	2	34,000	000'89
14	Telephone Machine	20	1,500	30,000
15	15 Mobile Phone	4	30.000	120,000
16	16 Air Condition for Office	15	35,000	525,000
17	17 Air Condition for Testing/Calibration Labo.	20	35,000	700,000
18	Electrical Typewriter	1	34,000	34,000
19	Telephone Box, Line Box, and Equipment		260,000	260,000
20	Place Decoration Fee	400/m ²	5,000	2,000,000
	TOTAL			9,177,000
	The second secon			

Project No. S3: SIC - Tool and Mold Technology Development Project

This is not an entirely new project, as it has already been discussed by JICA with the BSID as a possible project qualifying for technical cooperation. Inclusion of this project will significantly contribute to the BSID effort at promoting supporting industry. Particularly noteworthy is the horizontal assistance it will give to the work of the new strategic Institutes for the automotive and electric/electronic parts industries.

1. Rationale

1.1 Background of the Project

The JICA report, "Study on Industrial sector development – Supporting Industry – in the Kingdom of Thailand," (March 1995) recommended organizational reforms in order for the DIP to better promote SMEs. Reforms were made in 1996, including creation of the BSID. The Metalworking and Machinery Industry Development Institute (MIDI) was then placed under the management of the BSID. This Institute had been founded in 1985 with grant aid cooperation from Japan.

The JICA study team at that time suggested in its report that MIDI be made into a full-fledged entity for providing technical support to support industry by inclusion in it of functions related to plastics processing. In conjunction with that, the New Energy and Industrial Technology Development Organization (NEDO), of Japan, provided plastic injection machinery and related technical services to BSID in 1997. Subsequently, in July 1999 JICA signed a memorandum of agreement with DIP for the supply of technical cooperation for transfer of technology elated to tools and molds. By these steps, BSID acquired the wide span of technical capability needed basic production technology in the metalworking, machinery, and plastics forming industries.

1.2 Rationale

Thailand faces the need to make additional progress in import substitution, as the ratio of imported parts in both the automotive and electric/electronic industries is still high. This has acquired even greater urgency as a consequence of the shift to export markets by assemblers who have experienced a collapse or great drop in domestic demand for their finished products as one effect of the 1997 crisis. Requirements related to cost, quality, delivery and development are appreciably higher for export markets as compared to the domestic market. Moreover, for the Thai parts industry as a whole the need to improve development ability has been identified as an especially important need.

It is said that product quality is determined to the extent of 70% by the quality of the mold or die used to make it. Efforts at improving competitiveness are not always best when companies rely on imported mold and molds for precision parts, as is the case in developing countries in general. Weakness in the ability to make tools and molds is one basic constraint to improvement of competitiveness of developing country manufacturers. It is necessary to realize accelerated improvement of the ability to design parts and to design the molds and molds needed to make them, so that productivity can be enhanced and reject rates can be reduced. Without possession of tool and die technology, we cannot expect much development of the R&D related technology in a given country.

This project therefore seeks to improve the technical capabilities of BSID staff and to supply them with the plastic mold technology that they need in order to assist manufacturers. It is anticipated that subsequently it will be possible to produce domestically tools and molds of superior quality, enabling more effective production of parts on the basis of improved competitiveness.

2. Overall Goal and Project Purpose

2.1 Overall Goal

The Thai plastic toll and mold industries are to be made internationally competitive so as to provide assembly industries in Thailand with high quality tools and molds.

2.2 Purpose

Technical capability of BSID is to be upgraded to enable it to offer quality services for the Thai plastic tool and mold industries.

3. Target Group of the Project

The target group of the SIC project is initially the Thai counterparts of BSID and is then to be expanded to the plastic tool and mold industries in Thailand.

4. Output of the Project

- (1) An operation system of the SIC project is prepared.
- (2) The machinery and equipment of the SIC project are installed as originally planned.
- (3) The counterpart personnel are trained to provide technical guidance to Thai plastic tool and mold industry.
- (4) Technical training and seminars.
- (5) Trail services information supply and advisory services to the target industries.
- (6) Samples of tools and molds are produced.

5. Activities

- (1) Allocate necessary personnel.
- (2) Formulate plans of activities.
- (3) Plan budget and execute properly.
- (4) Establish and operate management system.
- (5) Make and implement facility refurbishment plan, Provide and install necessary machinery and equipment, Operate and maintain the machinery and equipment properly, Prepare Technical Cooperation Program, Implement technology transfer, Monitor and evaluate the result of technology transfer to the C/P
- (6) Plan, implement and monitor technical training and seminars.

- (7) Plan, trail technical information and advisory services; collect and compile technical information and materials, implement trial technical information and advisory services; monitor same.
- (8) Plan, implement and monitor a trial prototyping service.

6. Project Description

6.1 Site of the Project

A building named the Supporting Industries Center ("SIC") is now under construction next to the existing BSID building. The building of SIC will be completed by the end of January 2000, as a core facility for the activities of BSID's supporting industries promotion. General Administration Section, Subcontracting Promotion Division, Plastic and Electronic Components Industries Division and Packaging Division of BSID are supposed to move to the new SIC building. The site for the Project should be the existing Workshop A; the address is Soi Treemtri, Rama IV Rd., Klongtoey, Bangkok 10110.

It is expected that at the SIC the Thai Automotive Institute and the Electric and Electronics Institute also will be operational in the very near future. The cost of erecting buildings for the Institutes will be borne by the Thai Government.

6.2 Supply of the Equipment

accessories, etc.

JICA is expected to provide the following items, at the cost of about ¥270 million. The equipment to be supplied by BSID also will come from Japan.

1)	CAD/CAM system network station	:	1 set
2)	Wire-cut EDM	:	1
3)	CNC vertical machinery center	:	1
4)	Electric discharge machine	:	1
5)	Small hole drilling machine	:	1
6)	Polishing equipment	:	1
7)	Profile grinder	:	1
8)	Large size injection machine	:	1
9)	Tools, tools and jigs, measuring equipment,		

6.3 Expatriates and Counterparts

To implement the transfer of technology from the latter half of 1999 to the latter half of 2004 (five years) JICA will dispatch to BSID the following experts: chief advisor, coordinator, mold designer, mold processing expert, and mold assembling and trial shot expert, other experts in the specific fields of technology may be dispatched.

BSID counterpart personnel are to be as follows:

	19	198	19	99	
	D1::	First	Second	Implementation	2000 2005
	Preliminary	Supplementary	Supplementary	Study	
Mald Davies		(1)	(-3)	(0)	(0)
Mold Design	5	6	3	3	3
NOD		(0)	(3)	(1)	(0)
NC Programming	•		3	4	4
Mald Describe		(1)	(-3)	(2)	(0)
Mold Processing	6	7	4	6	6
Mold Assembling		(0)	(3)	(1)	(0)
and Trial Shot		-	3	4	4
National diam		(0)	(1)	(0)	(0)
Networking	·	-	1	11	11
4.4501.CD	•		(4)	(-4)	(0)
Additional C/P	·	<u> </u>	4		
Total	(0)	(2)	(5)	(0)	(0)
Total	11	13	18	18	18

Notes:

- 1. The chart above only covers the technical counterparts.
- 2. The numbers in brackets show the increment and decrement of the counterparts as requested by the Team.

6.4 Fields of Technology Transfer

Mold Design
NC Programming
Mold Processing
Mold Assembling and Trial Shot
Networking

6.5 Methodology of Technology Transfer

Considering the routine work of the counterparts as well as effectiveness of the technology transfer, in addition to daily on-the-job training, that a certain time for the technology transfer should be secured at least two or three times a week. In case of the dispatch of short-term experts, the time allocation of the counterparts to the project would be made in a flexible manner to make the best use of the dispatched experts.

The detailed schedules are to be finalized by six months from the commencement of the project, by consultation between those concerned.

The provisional allocation of time for the technology transfer is that 30% of the time is for lectures using the case study method, while the rest is for hands-on training with the factory visits every week at the initial stage of the project.

The counterparts would be divided into groups in accordance with the progress of the technology transfer. Every person will be somehow responsible and specialized at least one target product.

6.6 Budget for the Project

SIC Construction - Thai Government (Unit: Million Bahts)

1997	:	9.6
1998	:	34.0
1999	:	54.9
2000	:	35.0
Total		133.5

Note: Budget of procurement of machinery and equipment is unknown.

JICA Cooperation - Grant (Unit: Million Yen)

Machinery and equipment	:	270	
Expatriates and expenses	:	480	
Total		750	

7. Weakness and Strength of the Project

7.1 Weakness

- (1) The transfer of technology may not be as successful as planned if the counterparts assigned by MIDI leave MIDI during or after the project.
- (2) It is not certain at this time whether the plastic formers and mold-making companies have a high level of interest in the services BSID proposes to provide.

7.2 Strength

- (1) The SIC has within its organization two institutes, for automotive and electric/electronic parts suppliers, making it easier for SIC to function as a linkage between industries.
- (2) By means of this project the BSID will acquire essentially all the technical service capability needed for the metalworking and plastics forming SIs. In fact as well as name these supporting industries will function as a one-stop service center.

8. Expected Benefit of the Project

Thailand's supporting industries face a threat to their survival unless they acquire international competitiveness. Overcoming problems related to tools and mold technology will be a significant help in promoting the industry's further development.

9. Success Indicators of the Project

- (1) The level of satisfaction of present and former service beneficiaries, and level of satisfaction of industries Verifiable by questionnaire to and interview with related industries.
- (2) Number of newly improved services and the target group Verifiable by BSID records.

ANNEX IV Companies and Institutions Visited by JICA Team

List of companies visited

1. Government Agencies, Financial Institutions, Training Centers, and Other Organizations

Name	Address	Tel/Fax	Persons Contacted
TAI	4th Fl., Narai Bldg. 75/6, Rama VI Road, Ratchathewi. Bangkok	Tel: 202-3269~70 Fax: 202-3269	Mr. Alongkot Chutinan, Executive Director
EEI	6th Floor, Department of Industrial Building 57 Thanon Phrasumen, Pharanakon, BKK 10200	Tel: 512-0270, 662-280-7272 Fax: 513-0305, 662-280-7277	Mr. Pakdec Ratanawichien, Executive Director
Thai-German Institute, TGI	700/I Moo 1, Bangpakong Industrial Park II, KM. 57, Bangna-Trad Rd., Tambol Klong Tamru, Amphur Muang, Chonburi 20000	Tel: (038) 215-033-45 Fax: (038) 743-467	Tel: (038) 215-033-45 Narong Rattana, Thai Director Fax: (038) 743-467 Vachara Nakvachara, Marketing & Sales Director
Thai Industrial Standards Institute, TISI	Rama 6 St., Ratchathewee, Bangkok 10400	Tel: (6638) 891919 Fax: (6638) 891955	Pairoj Sanyadechakui, Deputy Secretary General
Thailand Productivity Institute, FTPI	19-20th Floor, Exim Building, 1193 Phahonyothin Rd., Bangkok 10400	Tel: (02) 272-4033 Fax: (02) 271-3007	Prasit Tansuvan, Executive Director
International Inspection Co., Ltd.	87/109 Modern Town Building, 12 Floor, Tower B Sukhumvit 63 Rd., Klongtoey, Bangkok 10110, Thailand	Tel: 381-7745-7 Fax: 381-7748	Pittaya Piriyametha, Director
Technology Promotion Institute			Vichien Benjavatanapon, Director-General
Testing Centre (Bangpoo), Thai Industrial Standards Institute			Virat Aja-apisit, Testing Centre Director
Management System Certification Institute	5th Floor, TISI Bldg. , Rama VI Road, Ratchathewi	Tel: 247-9912 Fax: 247-9348	Charnnawin Sookjamsai, Executive Director
IFCT	1770 New Pethburi Road, Bangkok 10320	Tel: 253-7111 Fax: 253-7019	Patara Vasantasingh Suvit Vithayasai Wanida Tananate
Krung Thai Bank	15th Floor, Two Pacific Place	Tel: 653-2333 Extension 260	Suthichai Krairit, Group Head
The World Bank	14th Fl.Tower A Diethelm Towers 93/1 Wireless Road, Bangkok 10330	Tel: 256-7792 Fax: 256-7794	Michael Markels, Senior Advisor, Financial Sector
The Thai Bankers' Association	4th Floor, Lake Rajada Office Complex Bldg 2 CDF Tel: 264-0883-87 House 195/5-7	Tel: 264-0883-87 Fax: 264-08888	Twatchai Yongkittikul, Secretary General
Asian Development Bank, Thailand Office	Fiscal Policy Office,4th Floor Ministry of Finance, Rama VI Road Bangkok	Tel: 278-4150 Fax: 278-4151	Craig Steffensen, Resident Advisor

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1. Government Agencies, Financial Institutions, Training Centers, and Other Organizations

Name	Address	Tel/Fax	Persons Contacted
The Industrial Bank of Japan, Ltd. Bangkok Branch	15th Floor, Thai Obayashi Bldg. Rajdamr 161 Rajdamri Road, Lumpini, Pathumwan Bangkok	Tel: 255-5991 Fax: 651-8156	Takeo Asahara, Senior Manager
The Sakura Bank, Ltd. Bangkok Branch	Boon-MITR Bldg. No.138 Silom Road Bangkok,	Tel: 234-3841 Fax: 236-8920	Mr.Hitosi Yoshimatsu, General Representative General Manager
Ministry of Labor and Social welfare Din Daeng MITR-MAITRI	Din Daeng MITR-MAITRI Road, Bangkok 10400	Tel/Fax: 247-6602	Mr. Somchart Dheva-Varodom, Deputy Director General of Department of Skill Development Ms. Areeya Rojvithee, Director of Technical Studies and Planning Mr. Tadamasa IKENOYA, JICA Expert, Human Resources Development, DSD
Ayuttaya Technical Training Centre	H-TECH Industrial Estate, Aisa Road., Moo 5 Banwa, Bangpa-in, Pranakomsri Ayutthaya 13160	Tel: 66-35-350-137 Fax: 66-35-350-136	Mr. Yongyut Trimek B.Ed. (Ed. Admin), Director, ATTC
BISD (Bureau of Industrial Sector Development)	Soi Timitt, Rama IV Rd., Klongtocy	Tel: 367-8020 Fax: 381-0757	 S. Intarachote, Director S. Boonyodom, Director of General Inds, Div. S. Aranyabhaga, Director of Ceramic Dev. Centre T. Kaewmanee Director of Furniture Industry Div. V. Srilert, Director of Agro Industry Div. N. Sawangmimiitkul, Textile Industry Div.
BSDI (Bureau of Supporting Industries Development)	Soi Timitr, Rama IV Rd., Klongtocy	Tel: 381-1813 Fax: 381-1056	Nuntapit Nakasam, Director Pasu Loharjun, Director of Plastics & Ele. Inds. Div. Paiboon Chaenngsanoh, Plastics & Ele. Inds. Div. Pongsak Vongrasametong, Plastics ' Ele. Inds. Div.
BOI (Office of the Board of Investment)	555 Viphavadee Rangsit Rd., Chatuchak	Tel: 537-8111 Fax: 537-8124	Polapat Surabote, Industrial Technical Officer, BUILD Kota Nagai, Adviser
OIE (Office of Industrial Economics) Rama VI Rd., Ratchathewi	Rama VI Rd., Ratchathewi	Tel: 202–4250 Fax: 246-8015	Cherdpong Siriwit, Director General Suchada Varaphorn, Director Nat Chulkarattana, Director of Industrial Info Centre Sunisa Tamthai, Industrial Technical Officer Ittichai Yossri, Industrial Technical Officer
Japanese Chamber of Commerce	15th Floor, Amarin Tower 500 Ploehchit Road Bangkok, 10330	Tel: 256-9170 Fax: 256-9621	Hirokazu Nitta, Secretary General

Name Agencies,		idress Tel/Fax Persons Co	(3/3) Persons Contacted	\sim Γ
OECF	2nd Fl., Thai Farmers Bank Bldg., No. 400/22 PHAHOLYOTHIN Avenue, Bangkok 10400	Tel: 270-1001~3 ext; 203 Fax: 271-3535	Mr. Kazuo KOIIMA, Representative, The Overseas Economic Cooperation Fund of Japan	T

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List of companies visited

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Name	Address	Tel/Fax	Products	Persons Contacted
Sharp Thebnakorn Co., Ltd.	58 M.3 T.Sampatuan A.Nakornchisri Nakompathom 73120 Thailand		crv	Motoyoi Kaise
VRK Spectrum Co. Chatchawan Electronics Co., Ltd.	198/2-3 Issarapab Rd. Watkallaya Thonburi Bangkok 10600	Tel: 4661594-7 Fax: (662)4721228	Transformer De gaussing coil Power supply	Wiroj Uransathian
Pibul Printing Co., Ltd.	Plant93 Soi Watsuannsom, Poochao. Rd., Samutprakarn 10130	21	ing	Suwal Jungpaibul
Chavin Metal Products Co., Ltd.	22/1 M.S Taparak Rd. Bangplee Yai Bangplee,Samuthprakam 10540		Steel Water pump Rice cooking	Anucha Saengcharoenwana-kul
Meridian Technologies Co., Ltd.	805 Sukumvit 49/14,Khet Wattana Bangkok 10110	Tel: 662-7126007-9 Fax: 662-3916261	High V. panel Low V. panel MCC panel	Yodsak Unhavaithaya
Kulthorn Kirby Public Co., Ltd.	44/1 Moo7 Chalongkrung Rd. Khwaeng Lamplatew, Khet Latkrabang, Bangkok 10520	Tel: 662-3260529-32 Fax: 662-3260837	Compressor	Thavipong Kittichungchit
Muramoto Electron Public Co., Ltd.	1 M.6 Bangna-Trat Rd. K.M.25 T.bangsaow-thong, A.Bangsaowthong, Samutprakam 10540	Tel: 3381539 Fax: 3381539	VCR classis, CRT parts FDD parts, CD parts	Kohci Muramoto
Ekarat Engineering Public Co., Ltd.	190/1 M.6 T.Thasa-An, A.Bangpakong Chachoengsao 24130	Tel: 038-531818 Fax: 038-531505	Transformer	Aphichat sonsai
Thai Samsung Electronics Co., Ltd.	313 M.1 Sukhaphiban 8 Rd. Sniracha industry park, T.Bung, A.Sniracha Cholbun 20230	ć.	CTV, Refrigerator Air condition Washing machine	Somehai Masrungsun
Thai CRT Co., Ltd.	87/9 M.2 Sukhlapibam 7 Rd.,Tungsukhla Sriracha, Chonburi, 20230	Tel: 038-490220-5 Ext.600 Fax: 038-490240	CRT	Polshom Chan-urai
Distar Electric Corporation Public Co., Ltd.	140 M.4 Huay Prab-Pluak Daeng Rd. Mhabyangpom, Pluak Daeng, Rayong 21140		CTV, VDO classette Player, Audio	Pomchai Boonyakitjinda
Daewoo Consumer Electronic Co., Ltd.	140/1 M.4 T.Marbyangpom, A.Pluakdang Rayong 21140	Tel: 038-891811-15 Fax: 038-891822	Refrigerator	Lek Nagern
Toranado (Thailand) Co., Ltd.	85/7M.6 T.Samnaktom A.Banchang Rayong 21130	Tel: 038-963523-5, 963607-10 Fax: 038-963526	Faxmodem	Nobharat Trakampruks;

Name	Address	Tel/Fax	Products	Persons Contacted
Foderal Electric Corp., Ltd.	64/1 M.4Kingkaew Rd. Rajatheva,Bangplee Samutprakarn 10540	Tel: 3124190-5, 3124800-2 Fax: 3124185	Airon, Jar, Pot Refrigerator	Wiwat Phanomphithoon
Korat Denki Ltd.	149 M.10 T.Chokchai A.Chokchai Nakhonratchasima 30190	Tel: 044-491362, 491277 Fax: 044-491151	CTV, Sub assembly complete set Electronic product	Somporn Krutsri
Y. Shiina (Thailand) Co., Ltd.	151 M.3 Suranaree Industrial Zone, Ratchasima-Chokchi Rd. T.Nhongbuasala A.Muang, Nakhonmtchasima 30000	Tel: 044-212226-8, 212136 Fax: 044-212137	Plastic electronic parts	Shin-ichi Yamauchi
Triangle Cables (Thailand) Co., Ltd.	82/1 M.5 Khoksung Rd., Khamtalesor Nakhonratchasima 30280	Tel: 044-333374-6 Fax: 044-3333274	Welding cable	Manu Boonya-utthayan
MOCAM	138 Moo16,Bangpa-in Industry Estate Phase 2 Tambol Bangkrasan, Amphur Bangpa-in Ayutaya 13160	Tel: 035-221567 Fax: 035-221743	FDD motor actulstor	Takeshi lida
MBT (Matsushita Battery Thailand)	166 Moo4 Sukhunvit Road T. Teparak Sumutprakam 10270	Tel: 384-1156-8 Fax: 384-2136	Dry battery Car battery	Yoshikazu Yokoe
Alpine Technology Manufacturing	210 Moo 13 Suwansom Roard, Tambol Dong-Khee-lek Amphur Muang Prachinburi	Tel: 037-403330-4 Fax: 037-403335	PCB for FAX printer, Car audio, CD changer	Terutaka Suzuki
Thepharak Transformer Co.,	947/66 Moo 12, Bangna Complex, 12 A Fir., Bagna-Trad Roard Km 3 Bangna, Prakanong,	Tel: 361-8474	Transformer	Dech-anan Suvarnasara
Mobile Audio Co. Hist Hitceh Co.	142/7 Soi Ladphrad 81, Ladphrao Rd. Wangthonglang, Bangkapi 10310	Tel: 662-931781 Fax: 662-9330493	Mobile audio Hi-fi amp	Charoen
KSS Electronics	89 Moo4, Tambol Banklang, Amphur Muang, Lamphun 51000, Thailand	Tel: 053-581201 Fax: 053-581206	Crystal	Suzuki
Tokyo Try	64NorthermRegion Industrial Estate Asian Highway (Chanmgmai-Lamphum)	Tel: 053-581055 Fax: 053-581059	View finder	Kanji Muroyama, MD
Panasonic (Matsushita Electric AVC)	101 Moo2 Teparak Road, T. Bangsaothong Ging, A., Bangsathong Sumutprakam 10540	Tel: 708-1111 Fax: 338-1057	Television & audio set	Ikeuchi Kozo
Thai Toshiba Electric Industry	Dusit Thani Bldg Room 806 181/1 Moo 2 tivanon Road Tambol Tasai	Tel: 5883010 Fax: 5890160	Display devices, Home appliance	Hideo Konnno Ishibashi Itaru
Universal Electric Company	19 Sukhunvit Road Soi,103 BKK, 10260	Tel: 398-0120 Fax: 398-34708	TV, Audio, Home appliance	Suradej Boonvawatana
TPA	201 Soipuakchit Vibhavadee Rangsit Road Ladvao Chatujak Bangkok 10900	Tel: 512-0270 Fax: 513-0305		Ms. Niramol, Chairman
FII	67 moo11,Bbanna-trad Road Km 20 Bangplee Samutprakan 10540 ngplee	Tel: 337-2900 Fax: 337-2439		Mr. Praphat, Vice Chairman
Artisan Co., Ltd	92/1-4 M002, Sukhunvit Roard, Taiban, Samutprakarn	Tel: 389-1190-1 Fax: 3891189	Rilay, Coil	Mr. Niphanth
T. P. Vidory Co., Ltd.	404 Moo. 6 Soi Sukkapiban 20, Taiban Raord Samutprakarn 10270	Tel: 389-1391-5 Fax: 224-9160	Injection	Mr. Viboon

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Name	Address	Tel/Fax	Products	Persons Contacted
Saha Charoen Metal Plastic Production Co.,	111/1 Moo12 Kingkaew Roard, Bangpleeyai Bangalee, Samutarakara 10540	Tel: 337-3595-8 Fax: 337-3599	Injection	Mr. Phongsak
TIT Electronics Co., Ltd	231 Moo 13 Petchkasem Roard, Omnoi, Krathumban, Samutsakhon 74130	Tel: 881-0001-3 Fax: 881-0001-4	Winding, Coil	Saiphin Suthumruk
<automotive></automotive>				
General Motors	111/1 Moo4, Eastern Seaboard Industrial	Tel: (6638) 954999	Opel automobile	Henry J. Gnacke, VP Material Management
(Thailand)	Estate,	Fax: (6638) 955009		Gianluca Romano, Mgr. Customs & Int.
MMC Simpol Co., Ltd.	199 Moo 3, Laemchabang Industrial Estate,	Tel: (6638) 491950	Mitsubishi automobile	Boonchuay Choakdeewanitdhumrong,
	A. Sriracha, Cholburi 20230	Fax (6638) 490300		Senior Vice President Asanee Kulakowit, Senior General Manager
DENSO (Thailand) Co., Ltd.	700/87, Moo 1, Amata Nakom Industrial	Tel: (6638) 214649	Automotive electrical	Kazuo Hironaka, President
Bangpakong Plant	Estate,	Fax: (6638) 214658	parts	Hatsuo Nagata, Plant Manager
3	A. Panthong, Cholburi 20160			Thavorn Chalassthien, Plant Mgr.
Toyota Motor Thailand Co., Ltd.	186/1 Mool Old Railway Rd. Samrongtai,	Tel: (662) 386-1000	Toyota automobiles	Yoshinori Muramatsu, President
•	Samutprakam 10130	Fax: (662) 384-0932		Ninnart Chaithirapinyo, Senior Vice
Thai Honda Manufacturing Co., Ltd.	410 Lardkrabang Industrial Estate,	Tel: (662) 326-0641	Honda motorcycles	Keiichi Yamada, President
•	Lardkrabang, Bangkok 10620	Fax: (662) 326-0640		Adisak Rohitasune, Director Asian Konda
				Motor Co., Ltd.
Thai Yazaki/Thai Arrow Products Co.,	Two Pacific Place Building, 142 Sukhumvi:	Tel: (662) 653-2550	Electrical wire harness	Yuji Kinumura, President, Thai Arrow
Ltd.	Rd., Klongtoey, Bangkok 10110	Fax: (662) 653-2615	for automobile and	Products Co., Ltd.
			motorcycle	Chikanoni Saito, Supreme Councillor, Thai
•				Yazaki Corp., Ltd.
Siam Cement Public Co., Ltd.	1 Siam Cement Rd., Bangsue, Bangkok	Tel: (662) 586-4300	Share holder of several	Pramon Sutivong, Senior Vice President
	10800	Fax: (662) 587-0749	automotive parts	
			manufacturers	
Thai Bridgestone Co., Ltd.	Abdulrahim Place, 990 Rama IV Rd., Silom,	Tel: (662) 636-1505	Tires for automobile	Ichiro Fukumori. President
	Bangkok 10500	Fax: (662) 636-1544		

Masaru Wakita, Executive Vice President

Electrical parts for

automobile and motorcycle

Tel: (662) 581-5462 Fax: (662) 581-5397

> 29/3 Moo 1, Sangpoon-Rangsit Rd., Sanklang, Pathumthance 12000

Thai Stanley Electric Public Co., Ltd.

Tri Perch Isuzu Sales Co., Ltd.

Koichi Murai, Senior Vice President

Goro Shintani, President

Isuzu automobile

Tel: (662) 966-2111 Fax: (662) 966-2049

1088, Vibhawadee Rangsit Rd., Ladyao, Chatuchak, Bangkok 10900

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2. Enterprises, Factories and Industrial Associations

Name	Address	Tel/Fax	Products	Persons Contacted
Thai Enginecring Products Co., Ltd.	1 Siam Cement Rd., Bangsue, Bangkok 10800	Tel: (662) 586-4235 Fax: (662) 586-2990	Aluminum casting parts for automobile and	Preecha Huttaporn, Managing Director
Ampas Industries Co., Ltd.	355, Moo4, Bangpoo Industrial Estate, Samutprakarn 10280	Tel: (662) 324-0950 Fax: (662) 324-0949	Rear mirrors for automobile and motorcycle. Combination lamps	Surasak Niruntasukrat. Vice President
NHK Spring (Thailand) Co., Ltd.	72 Moo 1, Klongtoey-Chorakeinoi Rd., T. Samrongtai, Samutprakarn 10130	Tel: (662) 384-0030 Fax: (662) 384-1422	Springs for automobile Interior parts for automobile	Yoshinori Omori, President
Auto Alliance (Thailand) Co., Ltd.	49 Moo 4, Pluakdaeng, Eastern Seaboard Industrial Estate, Rayong 21140	Tel: (6638) 891919 Fax: (6638) 891955	Mazda and Ford automobile	Toshihide Saeki, President
Thai Koito Co., Ltd.	370 Moo17, Bangplee Industrial Estate, Bangsaothong, Samutprakarn 10540	Tel : (662) 315-5350 Fax: (662) 315-3281	Electrical parts for automobile and motoroycle	Teruhisa Machida, President
Siam Yamaha Co., Ltd.	64 Moo1, Bangsaotong, Samutprakarn 10540 Tcl : (662) 312-8409 Fax : (662) 312-8416	Tel : (662) 312-8409 Fax : (662) 312-8416	Yamaha motorcycie	Yukihiko Abe, executive Vice President, Production Samphan Aranyanart, Vice President Production & Product Planning
Izumi Piston Manufacturing Co., Ltd.	9/1-2, Moo4, Bangchan Industrial Estate, Scrithai Rd., Kannayao, Bangkok 10230	Tel : (662) 517-0035 Fax : (662) 517-0372	Pistons for automobile combustion engine	Tsutomu Nakanishi. Managing Director
DENSO (Thailand) Co., Ltd. Head Office, Samrong Plant	369 Moo3, Theparak Rd., Am Muang, Samutprakarn 10270	Tel: (662) 384-2871 Fax: (662) 384-0884	Electrical parts for automobile and motorcycle	Isao Masaoka, Deputy Managing Director Atsushi Shinoda, Director
Thai Radiator Mfg. Co., Ltd.	1091/244-245, New Petchburi Rd., Bangkok Tel: (662) 253-1546 10400 Fax: (662) 321-0052	Tel: (662) 253-1546 Fax: (662) 321-0052	Radiator for automobile	Radiator for automobile Prakitti Siripraiwan, President

<consumer goods=""></consumer>				
Somtana International Co., Ltd.	521/93-97 Moo2, Bangpoon Road, Tambon Tel: (662) 5164726	Tel: (662) 5164726	Shoes, Bag, Sandal	Somehint Wongpanich, Director
	Prachatipat, Amphor Tanyaburi Pathumtani, 9581373, 9581372	9581373, 9581372		
	12130 Thailand	Fax: (662) 5161751		
Thai Leather Goods Association	184/72 16th Fl Forum Tower,	Tel: 645-3505~7	Leather goods ass.	Sunanta Wuthisakul, President
	Ratchadapisck Road, Huaykwang, Bangkok Fax: 645-3509	Fax: 645-3509		

Name	Address	Tel/Fax	Products	Persons Contacted
B. I. R. Leather Manufacturing Co., Ltd.	328, 330, 332, 334 Soi Chokechaijong- jumroen, Rama 3rd., Bangpongpang, Yannawa, Bangkok 10120 Thailand	Tel: 683-0841~5 Fax: 294-0239	Jewelry box, Bag, Writing instruments, Pierre Cardin license goods, Anadi license	Suphat Chumroonsilp, Executive Director Suphat Busayapong, Publisher
Classic Inter Leather Products Co, Ltd.	Praram 3 Road, Yannawa, Bangkok 10120 Thailand	Tel: 294-0303 Fax: 294-4848	Wallet, Folder, Portfolio, Document bag	Wallet, Folder, Portfolio, Sayan Ho (阿祥香鄉), Managing Director Document bag Somchit Ho
B. I. R. Leather Manufacturing Co., Ltd. (subsidiary)	117 Moo I Malaiman Road, Tumboledistrict Amphur Meung, Supanburi 72000	Tel: 035-545517	Jewelry box, Bag	Prasit Othapomchai, Industrial Promotion Center 8
Donprom Footwear Co. Ltd.	51 Mu4 Donpromtaladkhet Rd., Nongbo Amphor Songpeenong Suphanburi 72190	Tel: 035-589408 01-2135087 Fax: 035-589408	Lady shoes	Natchanok Karoon-ngampun, Factory Manager
Dong Muang Pork	KM26 Sapanmai Dongmuang Bangkok 10900	Tel: 523-8374, 531-1043	Pork (Shredded and satted bound fightly with banaleaves)	Pao
Siam Agritech Foods Co., Ltd.	53-55 Ditsamak Road, Thepsirin Bangkok 10100 Thailand	Tel: (621)694659 01-4944594 Fax: 6216960 2255214	Dehydrated foods	Chaiporn Saungswang, Marketing Manager
Imperial General Foods Industry Co., Ltd.	3059, 3059/1-3 Sukhumvit Road Prakanong Bangkok 10260	Tel: 332-8040-9 331-6968-70 331-6910 Fax: 331-6891	Cookie	Tong Dhiranusornkit (原推忠), Deputy Manager Director Damrong Vipawatanakul, Director Vichai Vipawatanakul (斯根兒), Managing Director
Sweet Tamarind	1824 Ladprao Soi 71 Ladprao Road, Bangkok 10310 Thailand	Tel: (662)-932 4754 539-8741 Mobile: (661)9178385	Tamarine candy and Tamarine products	Natkamol Rattanaphol
Technifood Ltd.	18 Onnuj 35 Onnuj Road, Suan Luang Bangkok 10250	Tel: 322-3203~5 Fax: 321-9866 Factory: 315-2339~40	Spices, Breader, Seasoning	Min Kamsaeng, General Manager
Bangkok Paisan Industies Co., Ltd.	339/2 Moo 5, Soi Suksawad 74, Suksawad Rd., Prapradaeng, Samulprakam	Tel: 463-0156-7 / 463-7436	Knitting dyeing and Garment factory	Sutee Tappong, Plant Manager

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Name	Address	Tel/Fax	Products	Persons Contacted
ST Textile Co., Ltd.	17 moo 14 Bang Mek koa, Tumbon Taiban Samutprakam	Tel/Fax: 7038114, 3892377 / 3870883	Weaving factory	Ms. Warge Pongsarojanavit
Rama Textile Industry	386 moo 2 Sukhumvit Rd., Bangpoo Mai, Samutprakarn	Tel/Fax: 323-9067 / 3239631	Dyeing & printing weaving	Yingchit Sikarinkul, Executive Director
Polymed Apparel Co., Ltd.	162 Soi SI Ladprao Rd., Wangthonglang, Bangkok	Tel/Fax: 538-4576, 539-0580, 539-8503 / 538-0463	Garment factory	Chananya Haputpong
Meesilp Ceramic Fac.	418 M.8 Sobtui Pongsanthong Lampang	Tel: 054-226418 Fax: 054-226418	Vase, Flower pot, Gardening ware	Adbipoom Kamthornvorapin
P.N.Cearmic Fac.	324 M.6 Phahonyothin Rd. Chompoo Lampang	Tel: 054-221598	Coffee set, Teapot, Tableware	Narong Techawichit
K.K.Ceramic Co., Ltd.	254 Phahonyothin Rd., Chompoo Lampang	Tel: 054-221580	Gifeware, Coffee set, Decorative items	Chatcai Kittirojana, Somporn Production Manager
Indra Ceramic Co., Ltd.	382 Lampang-Denchai Rd, Km.1, Muang, Lampang 52000	Tel: 054-221189 Fax: 054-221227	Coffee set, Teapot, Tableware	Athapol Napaivan, Administrative Director
Sang Arun Ceramic Co., Ltd.	28 Nakuam Nuc Road, T. Chomphu, A. Mang. Lampang 52100	Tel: 054-222815 Fax: 054-224815	Giftware, Tableware, Decorative items	Mr. Kiti Korpanitchkul, Administrative Director
Inter Confort Co., Ltd.	Acme Group,, 12/399 Moo 15 bangna-Trad Rd., Km.5 Bangkaew Bangplee Samutprakam 10540	Tel: 361-6706, 3991192 Fax: 361-6705, 399119	Wooden furniture for dining room and bedroom	Pongsak Iarmsirikulmur
Thai Bamboo and Wood Products Co., Ltd.	46 Moo 14 Bangchan Industrial Estate, Serithai Rd., (sukhapiban 2) Minburi,	Tel: 517-0064~7 Fax: 517-1463	Wooden furniture for children	Theerapol Pianurulyidja
WDI (Thailand) Co., Ltd.	1506/1 Soi Scnanikom 2, Paholyothin Rd. Lardyao, Chatuchak Bangkok 10900	Tel: 561-0888~90 Fax: 561-1331	Wooden furniture	J. Hayashi
Bright Design International Co., Ltd.	49/24 Soi Banlangsuan, Langsuan Rd., Lumpince, Phatunwan, Bangkok 10330	Tel: 252-6960 Fax: 652-0191	Wooden furniture for bedroom and office	Mr. Thanapakom Puengboon, Manaing Director
Flexiplan Design Co., Ltd.	141/4 Moo 14 sukhapibal2 onnuch Rd., Prawet, Bangkok 10250 (Saensuk Estate)	Tel: 329-1336-9 Fax: 726-4255	Wooden furniture for business office	Bovornsakdi Krisaduphong
Argentine Company Limited	23 moo 9, Soi Pinnakorn 1, Baromrachachonnanee Rd., Talingchan, Bangkok	Tel: 433-8478 Fax: 433-6913	Jewelry	Mr. Boonchai Jitngamplang, Production Manager

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Name	Address	Tel/Fax	Products	Persons Contacted
Pranda Jewelry Public Co., Ltd.	333 Soi Rungsaeng Bangnatrad Km 2.3 Rd. Prakanong Bangkok 10200		Jewelry & Custom jewelry	Pramote, Tieasuwan
Beauty Gem Factory Co., Ltd.	99 Soi Poonsapstain Ramkamhaeno 24 Rd. Banokani Banokok	Fax: 598-2145 Tel: 679-3226-7 Fax: 287-1140	Jewelry	Pichait, Palanugool
Creative Gems & Jewelry Co., Ltd.	126/1 krungthonburi Rd. Thonburi Sie, Bang Tel: 439-4621 Lampoo Lang, Klongsam, Bangkok 10600 Fax: 437-8814	Tel: 439-4621 Fax: 437-8814	Jewelry	Voravut Juijenrob
Victor Jewel Co., Ltd.	84 Akham Songkhron, Soi 5 Sathom Road, Thungmahamek, Sathom, Bangkok	Tel: 676-3316 Fax: 286-1857	Jewelry	Mr. Suthud Ungchaitum, President
Olan-Kemed Co., Ltd.	176/1 Ladprao Rd., Laoyao, Jatujak, Bangkok, 10900	Tel: 511-0137 Fax: 511-0952	Pharmacy	Mr. Somkit Charnchalco, General Manager
Quality Lab Co., Ltd.	17/4 Soi Krungtepkritar B 5 Srinakarin Rd., Pravate, Bangkok 10250	Tel: 368-2050 Fax: 368-1352	Cosmetics	Ms. Tasancebul Hoontrakool, Managing Director
Thai Ambica Chemicals Co., Ltd.	8th Floor, Diwanchand Bldg., 219/2 Rajawongse Road, Bangkok 10100	Tel: 622-7367 Fax: 622-7372	Dyestuffs	Mr. Pravat Suphavadeprasit, President

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