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1. 長期専門家

	氏名	指導科目	所属先	出発日	帰国日
1	桑田 一弘	チーフアドバイザー	なし	2002/7/1	2004/10/30
2	川喜田 英博	業務調整	社団法人 青年海外協力協会	2002/7/1	2006/6/30
3	神谷 明男	環境モニタリング・監視	なし	2002/12/1	2004/11/30
4	石原 剛敏	応用分析技術	(株) 東京設計事務所	2002/7/1	2004/6/30
5	古田 正次	ラボ管理	テクノ中部	2004/6/27	2006/6/30
6	古明地哲人	チーフアドバイザー	なし	2004/9/30	2006/6/30
7	石川 邦男	環境モニタリング・監視	建設技研インターナショナル (短期専門家だが実質長期専門家の代替投入)	2004/11/22	2005/7/11
7	石川 邦男	環境モニタリング・監視	建設技研インターナショナル (短期専門家だが実質長期専門家の代替投入)	2005/9/12	2006/3/10
8	石川 邦男	環境モニタリング・監視	建設技研インターナショナル (短期専門家だが実質長期専門家の代替投入)	2006/4/17	2006/6/30

2. 短期専門家

(2002年度)

	氏名	指導科目	所属先	出発日	帰国日
1	久本 泰秀	分析機器選定・メンテナンス	なし	2002/7/18	2002/8/31
2	近藤 明	大気汚染モニタリング技術	大阪大学	2003/1/20	2003/3/5
3	石橋 康弘	ラボラトリー排水処理技術	長崎大学	2003/3/16	2003/3/22
4	佐藤 衛	標準物質調製技術	東邦チタイウム	2003/4/10	2003/7/9
5	鈴木 晋	環境情報システム	なし	2003/4/10	2003/7/9

(2003年度)

	氏名	指導科目	所属先	出発日	帰国日
1	近藤 明	大気汚染モニタリング技術	大阪大学	2003/7/20	2003/8/9
2	大塚 篤	ラボ排水処理技術	有限会社エコ・プランナーズ	2004/2/15	2004/5/1
3	富田 孝子	環境管理システム	愛知県	2004/3/14	2004/5/16

4	近松 稔	大気測定機器メンテナンス	株式会社 堀場テクノサービス	2004/3/24	2004/4/3
5	佐藤 衛	機材管理	なし	2004/3/24	2004/6/23
6	荒井 雄史	排水処理装置運転操作	NECアメニプランテクス株式会社	2004/3/28	2004/5/1

(2004年度)

	氏名	指導科目	所属先	出発日	帰国日
1	荒井 雄史	ラボ廃棄物管理	NECアメニプランテクス株式会社	2004/8/25	2004/11/22
2	松井 義雄	環境管理システム	なし	2004/2/6	2005/2/26
3	服部 達也	海水の汚濁分析	国土環境	2005/3/6	2005/3/26
4	川崎 由布子	生物指標による水質汚濁評価	国土環境	2005/3/6	2005/3/26
5	住友 聡一	振動測定	兵庫県立健康環境科学研究所	2005/4/5	2005/6/4

(2005年度)

	氏名	指導科目	所属先	出発日	帰国日
1	服部 達也	海水の汚濁分析	国土環境	2005/4/18	2005/5/21
2	川崎 由布子	生物指標による水質汚濁評価	国土環境	2005/4/18	2005/5/21
3	松井 義雄	環境管理システム	なし	2005/4/18	2005/6/18
4	近藤 明	大気汚染モニタリング技術	大阪大学	2005/9/26	2005/10/29
5	青木 一幸	機材メンテナンス技術	なし	2005/9/5	2005/11/30
6	柘植 孝之	環境管理システム	愛知県	2005/11/14	2005/12/22

(2006年度)

	氏名	指導科目	所属先	出発日	帰国日
1	水野 輝海	機器メンテナンス	株式会社中部テクノ	2006/5/25	2006/6/14
2	近藤 明	大気汚染モニタリング技術	大阪大学	2006/6/4	2006/6/10

### 3. 本邦研修

(2002年度)

	分野	氏名	研修受入先	開始日	終了日
1	ラボ管理	Ms. Sufenal Healthy	愛知県環境部	2003/3/3	2003/6/1
2	環境分析	Ms. Hidayti	愛知県環境部	2003/3/3	2003/6/1

(2003年度)

	分野	氏名	研修受入先	開始日	終了日
1	環境モニタリング	Ms. Simanjuntak Rismawati	大阪府環境情報センター	2003/8/18	2003/10/25
2	環境モニタリング	Ms. Dowi Ratnaningsih	大阪府環境情報センター	2003/8/18	2003/10/25
3	ラボ管理	Ms. Kresnawati	愛知県環境調査センター	2003/8/3	2003/10/30

(2004年度)

	分野	氏名	研修受入先	開始日	終了日
1	環境情報システム	Ahmad Mudjahidin	愛知県環境調査センター	2004/7/19	2004/10/31
2	環境管理システム	Rosdiana SIMARMATA	愛知県環境調査センター	2004/7/19	2004/8/29
3	騒音・振動	Mohamad Taufik	兵庫県、神奈川県など	2005/1/24	2005/2/18
4	有害物質	Asiah	化学物質評価研究機構、国立環境研究所	2005/2/24	2005/3/19

(2005年度)

	分野	氏名	研修受入先	開始日	終了日
1	環境モニタリング技術	Sri Unon Puruwati	愛知県環境調査センター	2005/8/17	2005/10/28
2	環境管理行政	Setyo Purwadi	愛知県環境調査センター	2005/8/17	2005/10/1
3	大気汚染シュミレーション技術	Tamrin	大阪大学	2005/11/14	2006/2/16

### 3. 現地業務費

(単位：千ルピア)

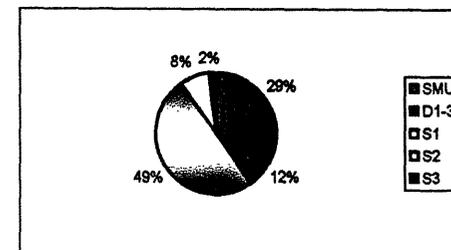
	2002年度	2003年度	2004年度	2005年度
一般現地業務費	821,636	906,976	1,402,497	*1,000,400
現地適用化事業費	431,264	362,006	なし	なし
供与機材費	**2,403,000	**1,274,200	**2,451,300	**597,570
合計	3,655,900	6,460,467	10,314,264	1,597,970

\*計画額 \*\*1ドル=10000ルピア換算

添付資料 2 EMC スタップリスト(List of Personnel - PUSARPEDAL/EMC, Deputy VII, Ministry of Environment)

As of August 2005

Summary		
No.	Division	TOTAL
1	Head of PUSARPEDAL	1
2	Reference Laboratory div.	16
3	Env. Lab. Service Div.	37
4	Monitoring Div.	16
5	Program Dev. & Admin	43
TOTAL		113



NO	NAME	Place, Date of Birth	M/F	NIP	Division	Position	Enrolled	Working Period (Year, Months)	T M T (Last Notice)	Rank	Education Background					
											SMU	D1-3	S1	S2	S3	Field
<b>HEAD OF PUSARPEDAL/EMC</b>																
1	Dra. Halimah Syafrul, M.Si.	Bukit Tinggi	23-Apr-58	F	080 079 174	Head of PUSARPEDAL/EMC	1-Mar-86	20 4/12	1-Apr-98	Pembina	IV a				1	
<b>I Bidang Laboratorium Rujukan (Reference Laboratory Division)</b>																
1	Drs. Muns Hilman, MSc	Bandung	15-Sep-52	M	050 021 744	Reference Laboratory	Head of Reference Laboratory Division	1-Apr-80	26 3/12	1-Apr-98	Pembina	IV b			1	
<b>Sub Bidang Laboratorium Pengujian (Testing Laboratory Sub Division)</b>																
2	Dra. Arum Prajanti, MEM	Salatiga	29-Mar-65	F	770 000 091	Reference Laboratory	Head of Testing Laboratory Sub Div.	1-Mar-93	13 4/12	1-Apr-01	Penata	III c			1	
3	Ir. Rina Aprishanty, MSc	Jakarta	19-Apr-68	F	770 000 149	Reference Laboratory	Laboratory Staff	1-Dec-93	12 7/12	1-Apr-02	Penata Muda Tk. 1	III c			1	Chemical Eng.
4	Ir. Siti Rohmah	Sampang	18-Mar-68	F	770 000 266	Reference Laboratory	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-99	Penata Muda Tk. 1	III b		1		Env. Eng.
5	Dra. CH Netty	Klaten	25-Dec-69	F	770 000 288	Reference Laboratory	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-99	Penata Muda Tk. 1	III b		1		Chemical
6	Nevy Rinda Nugreini, S.Si.	Madiun	12-Mar-76	F	770 000 409	Reference Laboratory	Laboratory Staff	1-Mar-97	9 4/12	1-Apr-02	Pengatur Muda	II b		1		Chemical Analysis
7	Bty Sumiati, S.Si.	Kuningan	11-Aug-69	F	770 000 251	Reference Laboratory	Laboratory Staff	1-Mar-93	13 4/12	1-Oct-00	Pengatur	II c		1		Chemical Analysis
8	Dra. Erini Yuwanti, Ph.D.			F		Reference Laboratory	Laboratory Staff								1	
9	M. Awaludin	Subang	01-Jan-68	M	770 000 249	Reference Laboratory	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-02	Pengatur Muda Tk. 1	II c	1			
10	Yayah Rodiana, SKM	Jakarta	31-Dec-75	F	770 000 594	Reference Laboratory	Laboratory Staff	1-Mar-98	8 4/12	1-Apr-01	Pengatur	II c		1		Environmental Health
<b>Sub Bidang Pengembangan Laboratorium Lingkungan (Environmental Laboratory Development Sub Division)</b>																
11	Dra. Asiah	Bandung	13-Dec-66	F	770 000 111	Reference Laboratory	Head of Environmental Laboratory Development Sub Division	1-Mar-93	13 4/12	1-Apr-01	Penata	IIIc		1		Biology
12	Lindawati, S.Si	Sukabumi	20-Apr-70	F	770 000 585	Reference Laboratory	Laboratory Staff	1-Mar-98	8 4/12	1-Apr-99	Penata Muda	III a		1		Biology
13	Sufenal Healthy, S.Si.	Solok	12-Mar-73	F	770 000 510	Reference Laboratory	Laboratory Staff	1-Mar-98	8 4/12	1-Apr-99	Penata Muda	III a		1		Chemistry MIPA
14	Kresnawati S.Sc.	Jakarta	20-Jan-73	F	770 000 517	Reference Laboratory	Laboratory Staff	1-Mar-98	8 4/12	1-Apr-99	Penata Muda	III a		1		Biology
15	Ramadhanu	Jakarta	18-Jan-65	M	770 000 037	Reference Laboratory	Laboratory Staff	1-Mar-92	14 4/12	1-Apr-96	Pengatur Muda Tk. 1	II c		1		
16	Muhammad Fa'iz	Kebumen	17-Nov-62	L	Honorer	Driver							1			Tarbiyah
<b>II Bidang Pelayanan Teknis Laboratorium Lingkungan (Environmental Laboratory Service Division)</b>																
1	Dra. Novi Farhani	Bandung	11-Nov-67	F	770 000 114	Laboratory Service	Head of Environmental Laboratory Service Div.	1-Mar-93	13 4/12	1-Apr-01	Penata	III c		1		
<b>Sub Bidang Pengujian dan Kalibrasi (Testing and Calibration Sub Division)</b>																
2	Dra. Niniek Triana W.	Jakarta	21-Jan-66	F	770 000 119	Laboratory Service	Head of Testing and Calibration Sub Div.	1-Mar-93	13 4/12	1-Apr-01	Penata	III c		1		Chemical
3	Dra. Alfrida E. Suoth	Pangkajene	18-Apr-66	F	770 000 261	Laboratory Service	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-99	Penata Muda Tk. 1	III b		1		Chemical
4	Emalya Rachmawaty, S.Si	Jakarta	07-Mar-71	F	770 000 252	Laboratory Service	Laboratory Staff	1-Mar-96	10 4/12	1-Apr-01	Penata Muda	III a		1		Chemical Eng.
5	Oktaria Diah Pitalokasari	Semarang	31-Oct-74	F	Honorer	Laboratory Service	Laboratory Staff						1		Health Analysis	
6	Eva Lindasari Nasution	Indrapura	17-Sep-74	F	Honorer	Laboratory Service	Laboratory Staff						1		Kesehatan	
7	Aqus Eramsyah	Bandung	12-Aug-67	M	770 000 164	Laboratory Service	Laboratory Staff	1-Mar-94	12 4/12	1-Apr-01	Pengatur	II c	1			
8	Bambang Hendratno, S.Si.	Sukoharjo	25-Mar-70	M	770 000 591	Laboratory Service	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-01	Pengatur	II c		1		Chemical Eng.
9	Muhammad Taufik	Bandung	14-Jan-72	M	770 000 248	Laboratory Service	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-02	Pengatur Muda Tk. 1	II c		1		STM, Electrical
10	Zulfachmi			M	Honorer	Laboratory Service	Laboratory Staff									

NO	NAME	Place, Date of Birth	M/F	NIP	Division	Position	Enrolled	Working Period (Year, Months)	T M T (Last Notice)	Rank	Education Background							
											SMU	D1-3	S1	S2	S3	Field		
11	T. Ilzam Alimsyah, ST	Sigli Pidie	17-Jul-71	M	770 000 523	Laboratory Service	Laboratory Staff			1-Apr-02	Penata Muda	III b			1			Mechanical Eng.
12	Yunesfi Sofyan, S.Si.	Padang	13-Aug-74	F	770 000 646	Laboratory Service	Laboratory Staff	1-Mar-99	7 4/12	6-Jan-97	Pengatur Muda	II b			1			FMIPA (Basic Science)
13	Jauhari	Batu Raja	24-Jan-74	F	770 000 590	Laboratory Service	Laboratory Staff	1-Mar-98	8 4/12	1-Apr-01	Pengatur	II c	1					Chemical Eng.
14	Asrul	Koto Panjang	10-Sep-69	M	770 000 250	Laboratory Service	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-02	Pengatur Muda Tk. 1	II c	1					Kesehatan
15	Jetro Situmorang, ST	Medan	05-Dec-75	M	770 000 655	Laboratory Service	Laboratory Staff			1-Mar-99	Pengatur Muda	II a			1			Env. Engineering
16	Heny Puspita Rokhwani, ST	Jakarta	02-Jun-75	F	770 000 295	Laboratory Service	Laboratory Staff	1-Mar-96	10 4/12	1-Apr-00	Pengatur	II b			1			Chemical Analysis
17	Budi Purwanto, ST					Laboratory Service									1			
18	Azhar	Tambangan	01-Jan-67	M	770 000 197	Laboratory Service	Laboratory Staff	1-Mar-94	12 4/12	1-Apr-01	Pengatur	II c	1					
19	Eva Deswami, S.Si.			F	Honorer	Laboratory Service	Laboratory Staff								1			
20	Isa Ansori, SP	Banyuwangi	12-Apr-70	M	Honorer	Laboratory Service	Laboratory Staff								1			Agriculture
21	Retno Puji Lestari	Sukabumi	20-Mar-75	F	770 000 633	Laboratory Service	Laboratory Staff	1-Mar-98	8 4/12	1-Apr-99	Pengatur Muda Tk. 1	II c	1					Chemical Analysis
22	Puji Purwanti, S.Si			F	Honorer	Laboratory Service	Laboratory Staff								1			
23	Ely Rahmi Tapriziah			F	Honorer	Laboratory Service	Laboratory Staff								1			
24	Fernando Sitepu	Batukarang	24-Mar-72	M	770 000 407	Laboratory Service	Laboratory Staff	1-Mar-97	9 4/12	1-Apr-01	Pengatur Muda Tk. 1	II b			1			Environmental Eng.
25	Sri Hastuti	Sukoharjo	14-Aug-70	F	770 000 103	Laboratory Service	Laboratory Staff	1-Mar-93	13 4/12	1-Apr-01	Pengatur	II c			1			
26	Siti Masitoh	Karawang	06-Nov-74	F	Honorer	Laboratory Service	Laboratory Staff								1			Chemical Analysis
27	Ricky Nelson, S.Si.			M	Honorer	Laboratory Service	Laboratory Staff								1			
28	Maulana Kusumawardhani			F	Honorer	Laboratory Service	Laboratory Staff								1			
29	Erna Wita Nazir, ST	Koto Tuo	04-May-72	F	770 000 587	Laboratory Service	Laboratory Staff	1-Mar-95	11 4/12	1-Apr-01	Pengatur	II c			1			Environmental Health
30	Dyah Apriyanti	Jakarta	07-Apr-76	F	770 000 559	Laboratory Service	Laboratory Staff	1-Mar-99	7 4/12	1-Apr-00	Pengatur Muda	II a	1					Chemical Analysis
<b>Sub Bidang Pelayanan Umum (Public Service Sub Division)</b>																		
31	Ir. Anwar Hadi. MEM	Gresik	27-Jul-67	M	770 000 125	Laboratory Service	Head of Public Service Sub Div.	1-Mar-93	13 4/12	1-Apr-01	Penata	IIIc				1		
32	Erni Arsih Y	Teluk Betung	09-Jul-75	F	770 000 408	Laboratory Service	Accounting for Services matter	1-Mar-97	9 4/12	1-Apr-01	Pengatur Muda Tk. 1	II c	1					Chemical Analysis
33	Meidina Simamora, SE	Jambi	29-Jul-75	F	Honorer	Laboratory Service	Staf Jasa								1			Accountancy
34	Suryanto	Malang	07-Oct-66	M	770 000 659	Laboratory Service	Administration Staff	1-Mar-99	7 4/12	1-Mar-99	Pengatur Muda	II a	1					
35	Bahrudin Rifai	Brebes	29-Aug-70	M	770 000 237	Laboratory Service	Administration Staff	1-Mar-92	14 4/12	1-Apr-02	Pengatur Muda	II b	1					
36	Winarti, SE	Jakarta	21-Jan-70	F	770 000 100	Laboratory Service	Administration Staff	1-Mar-93	13 4/12	1-Apr-01	Pengatur	II c			1			Economic
37	Hafidz Khaerudin, S.S1.	Jakarta	03-Jan-70	M	770 000 762	Laboratory Service	Administration Staff	1-Mar-96	10 4/12	12-Jan-01	Penata Muda	III a			1			Biology
<b>III Bidang Pemantauan Kualitas Lingkungan (Environmental Quality Monitoring Division)</b>																		
1	Dra. Lia Muliarningsih			F		Monitoring	Head of Environmental Quality Monitoring Div.								1			
<b>Sub Bidang Jaringan Pemantauan Kualitas Lingkungan (Environmental Quality Monitoring Network Sub Division)</b>																		
2	Ir. Dewi Ratnarningsih	Tuban	18-Sep-68	F	770 000 116	Monitoring	Head of Monitoring Network Sub Div.	1-Mar-93	13 4/12	1-Apr-01	Penata	III c			1			
3	Drs. Darmaerius, MSc	Agam	14-May-68	M	770 000 210	Monitoring	Staff	1-Mar-94	12 4/12	1-Apr-02	Penata Muda Tk. 1	III c				1		Biology
4	Sri Unon P, S.Si	Semarang	22-Jun-68	F	770 000 364	Monitoring	Staff	1-Mar-96	10 4/12	1-Apr-00	Penata Muda Tk. 1	III b			1			Biology
5	Sri Saptarningsih, ST			F		Monitoring	Staff								1			
6	Ir. Rosjayati Ilham	Ujung Pandang	12-Dec-57	F	580 023 149	Monitoring	Staff	1-Mar-95	11 4/12	1-Apr-99	Penata Muda Tk. 1	III b			1			Peternakan
7	Dra. Nastiti Sih L	Magelang	30-Nov-65	F	770 000 120	Monitoring	Staff	1-Mar-93	13 4/12	1-Apr-01	Penata	III c			1			Biology
8	Komarudin	Jakarta	24-Sep-81	M	Honorer	Monitoring	Staff								1			
<b>Sub Bidang Pengelolaan Data Pemantauan Kualitas Lingkungan Hidup (Management of Environmental Quality Monitoring Data Sub Division)</b>																		
9	Ir. Amelia Rachmatunisa, MAS			F	770 000	Monitoring	Head of Management of Monitoring Data Sub Div.									1		
10	Dr. Erom Hamonangan			M		Monitoring	Staff											1
11	Endang Hidayat			M	770 000	Monitoring	Staff					II b						
12	Medyawati, SKM			F		Monitoring	Staff								1			
13	Rita, S.Si.	Silungkang	27-Apr-71	F	770 000 292	Monitoring	Staff	1-Mar-93	13 4/12	1-Apr-01	Pengatur	III a			1			Chemical
14	Lucky Suryadinigrat			M	770 000	Monitoring	Staff					II c						
15	Jamaludin	Padang	27-Oct-61	M	770 000 166	Monitoring	Staff	1-Mar-94	12 4/12	1-Apr-01	Pengatur	II c			1			
16	Fitria			F		Monitoring	Staff											
<b>IV Bidang Pengembangan Program dan Administrasi Umum (Program Development, Administration and Human Resources)</b>																		

NO	NAME	Place, Date of Birth	M/F	NIP	Division	Position	Enrolled	Working Period (Year, Months)	T M T (Last Notice)	Rank		Education Background						
												SMU	D1-3	S1	S2	S3	Field	
1	Dra. Lien Rosalina, MM	Bandung	22-Dec-67	F	770 000 117	Program Development & Administration	Head of Program Development, Administration and HR Div.	1-Mar-93	13 4/12		Penata	IIIc				1		
<b>Sub Bidang Pengembangan Program dan Anggaran (Program Development and Budgeting Division)</b>																		
2	Ir. Wisnu Eka Yulyanto	Belitung	06-Jul-67	M	770 000 124	Program Development & Administration	Head of Program Development and Budgeting Sub Div.	1-Mar-93	13 4/12		Penata	IIIc				1		
3	Drs. Endro Koesoemo	Kebumen	13-Sep-66	M	770 000 504	Program Development & Administration	Administration Staff	1-Mar-97	9 4/12	1-Apr-00	Penata Muda Tk. 1	IIIb				1		Biology
4	Paino	Wonogiri	07-Oct-66	F	770 000 211	Program Development & Administration	Accounting for Routine Budget	1-Mar-93	13 4/12	1-Apr-02	Pengatur Muda Tk. 1	IIc				1		
5	Nanang Lesmana	Majalengka	03-Nov-73	M	770 000 560	Program Development & Administration	Accounting for Project	1-Mar-98	8 4/12	1-Apr-02	Pengatur Muda	IIb	1					
6	Ade Imawati	Tangerang	10-Jun-72	F	770 000 253	Program Development & Administration	Administration Staff	1-Mar-95	11 4/12	1-Apr-02	Pengatur Muda Tk. 1	IIc				1		
7	Eny Setyawati	Wonogiri	18-Dec-76	F	770 000 670	Program Development & Administration	Administration Staff	1-Mar-96	10 4/12	1-Apr-00	Pengatur	IIc			1			Management
8	Binovita, S.Sos	Jakarta	28-Sep-71	F	770 000 144	Program Development & Administration	Administration Staff	1-Mar-93	13 4/12	1-Apr-01	Penata Muda	IIIa				1		Administration
9	Icliza	Padang	14-Apr-71	F	Honoror	Program Development & Administration	Secretary									1		
10	Mohamad Alfian	Jakarta	08-Mar-71	M	770 000 558	Program Development & Administration	Administration Staff	1-Mar-98	8 4/12	1-Apr-02	Pengatur Muda	IIb	1					
11	Yayan Ariyanto	Jakarta	10-Nov-74	M	770 000 559	Program Development & Administration	Administration Staff	1-Mar-98	8 4/12	1-Apr-02	Pengatur Muda	IIb	1					
<b>Sub Bagian Administrasi Umum dan Kepegawaian (Administration and Human Resources Sub Division)</b>																		
12	Drs. Pramana B.P	Sleman	14-Jul-65	M	770 000 128	Program Development & Administration	Head of Administration and HR Sub Div.	1-Mar-93	13 4/12	1-Apr-01	Penata	IIIc				1		Chemical
13	Tomson S, S.Sos	Tarutung	14-Jun-70	M	770 000 104	Program Development & Administration	Administration Staff	1-Mar-93	13 4/12	1-Apr-99	Penata Muda	IIIb				1		Social Science
14	Dra. Natalia Shinto	Bandung	19-Nov-66	F	770 000 450	Program Development & Administration	Staff Information System	1-Mar-97	9 4/12	1-Apr-01	Penata Muda	IIIb				1		Faculty of Letter (Japan)
15	Subadri	Tangerang	04-May-66	M	770 000 540	Program Development & Administration	Staff for Equipment & Household	1-Mar-98	8 4/12	1-Apr-02	Pengatur Muda	IIb	1					
16	Waluyo	Jakarta	24-Jun-72	M	770 000 238	Program Development & Administration	Staff for Equipment & Household	1-Mar-94	12 4/12	1-Apr-01	Pengatur	IIc	1					
17	Murdin	Tangerang	20-Feb-70	M	770 000 671	Program Development & Administration	Staff for Equipment & Household	1-Mar-99	7 4/12	1-Jan-99	Pengatur Muda	IIa	1					
18	Sri Sumami	Jakarta	14-Jun-70	F	770 000 102	Program Development & Administration	Laboratory Staff	1-Mar-93	13 4/12	1-Apr-01	Pengatur	IIc	1					
19	Yatti Yuniati, S.Sos	Cinahi	03-Jun-58	F	131 257 019	Program Development & Administration	Library Staff	1-Apr-87	19 3/12	1-Apr-99	Penata Muda Tk. 1	IIIb				1		Social Science
20	Siti Nurhomsah	Bogor	16-Dec-66	F	770 000 140	Program Development & Administration	Library Staff	1-Mar-92	14 4/12	1-Apr-99	Pengatur Tk. 1	II d			1			Library
21	Endang Zakaria			M		Program Development & Administration												
22	Aris Jamani Barius	Kota Bumi	03-Mar-71	M	770 000 547	Program Development & Administration	Administration Staff	1-Mar-98	8 4/12	1-Apr-02	Pengatur Muda	IIb	1					
23	Cecep Supriatna	Jakarta	25-Apr-78	M	Honoror	Program Development & Administration	Administration Staff									1		
24	Achmad Marzuki	Tangerang	14-Jul-67	M	770 000 660	Program Development & Administration	Driver	1-Mar-99	7 4/12	1-Apr-00	Pengatur Muda	IIa	1					
25	Abdul Malik	Brebes	01-Dec-69	M	770 000 707	Program Development & Administration	Administration Staff	1-Mar-99	7 4/12	1-Mar-99	Pengatur Muda	IIa	1					Dynamica, STM

NO	NAME	Place, Date of Birth		M/F	NIP	Division	Position	Enrolled	Working Period (Year, Months)	T M T (Last Notice)	Rank		Education Background						
		SMU	D1-3								S1	S2	S3	Field					
26	Harun	Tangerang	12-Mar-61	M	770 000 237	Program Development & Administration	Pramusaji/housekeeping	1-Mar-94	12 4/12	1-Apr-02	Juru Muda	Ic	*						
27	Hatomi	Muara Kati	07-Oct-60	M	770 000 737	Program Development & Administration	Laboratory Staff	1-Mar-00	6 4/12	4-Dec-00	Pengatur Muda	II a	1						
30	A.M Soleh	Jakarta	31-Mar-65	M	770 000 157	Program Development & Administration	Staff Information System	1-Mar-94	12 4/12	1-Apr-02	Pengatur Muda Tk. 1	II c			1				
28	Ali Fardian			M	Honorer	Program Development & Administration	Staff Information System												
29	Muhammad Paliarni	Jakarta	01-Jan-76	M	Honorer	Program Development & Administration	Driver						1						
31	Ilhamnudin Nuryadi			M		Program Development & Administration													
32	Asep Nurjaman	Jakarta	25-Nov-73	M	Honorer	Program Development & Administration	Security						1						
33	Tjetjep Tjandra	Jakarta	18-Jan-72	M	Honorer	Program Development & Administration	Security						1						
34	M. Ridwan	Tangerang	05-Apr-77	M	Honorer	Program Development & Administration	Security						1						
35	Mansur	Tangerang	06-Oct-80	M	Honorer	Program Development & Administration	Security						1						
36	Imron.Fauzi	Tangerang	11-Mar-77	M	Honorer	Program Development & Administration	Security						1						
37	Amsir	Tangerang	28-Apr-74	M	Honorer	Program Development & Administration	Security						1						
38	Wawan Gunawan	Tangerang	10-Sep-78	M	Honorer	Program Development & Administration	Security						1						
39	Abdul Aziz	Tangerang	20-Jul-72	M	Honorer	Program Development & Administration	Security						1						
40	Jamaludin	Tangerang	17-May-78	M	Honorer	Program Development & Administration	Security						1						
41	Rohsedi	Jakarta	22-Nov-71	M	Honorer	Program Development & Administration	Security						1						
42	Martus Simanulang	Binjara	03-Nov-81	M	Honorer	Program Development & Administration	Security						1						
43	Suryantina R.			F	Honorer	Program Development & Administration	Staf Koperasi								1				
													30	12	52	8	2		



**DEMS Project**

\*Japanese Fiscal Year start in 1 April and ends in 31 March

FY	Item No.	Name of equipment	Specification	Manufacturer/Type	Qty	Unit in US\$	Unit in US\$	Delivery						
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	End User		
												Institution	Laboratory	Contact Person
2002/2003	13	Milipore ZHE Hazardous Waste System		Milipore; Cat. No. YT30 090 HW	2	\$ 4,059.30	\$ 8,118.60	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Toxic Training	Ms. CH Nety W.
2002/2003	13	Milipore ZHE Hazardous Waste System		Milipore; Cat. No. YT30 090 HW	1	\$ 4,059.30	\$ 4,059.30	19-Mar-99	19-Mar-99	08-Apr-99	ok	Bapedalda NSP	Env. Lab.	Abner Tarigan
2002/2003	14	Rotary Agitator Bottle, 2.5 litre	Glass, 12 pcs/pack	Milipore; Cat. No. YT 30 09G BT	2	\$ 358.00	\$ 716.00	9-Jun: 2 btl 21-Oct: 22 btl						
2002/2003	15	Glass Fiber Filter without Binder Resin	50 pcs/pack	Milipore; Cat. No. AP.40 142 50	2	\$ 161.50	\$ 323.00	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Toxic Training	Ms. CH Nety W.
2002/2003	16	Digital Microscope System		U-48705-00	1	\$ 4,160.00	\$ 4,160.00	2-Apr-99	03-Apr-99	02-Apr-99	ok (DG-1 (DG-00701) + Adaptor, Card Memory Case, 2 battery and Charger)	EMC/SARPEDAL	Bidang III/ Microbiologi Lab	Ms. Unon
2002/2003	17	Mercury analyzer		Hiranuma	1	\$ 22,907.00	\$ 22,907.00	19-Jun-99			Install on 23 June 03 by Hitachi	EMC/SARPEDAL		Ms. Nety
<b>4. Production of SRM (2-2-1) Responsible Person: Ms. Asiah</b>														
2002/2003	18	SRM Natural Water 1640	1 x 250 ml	NIST	2	\$ 289.40	\$ 538.80	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Store House	Ms. Asiah
2002/2003	19	Wide mouth bottle 125 ml		Nalgene	50	\$ 2.81	\$ 140.50	21-Apr-99	23-Apr-99	23-Apr-99	ok	EMC/SARPEDAL	Store House	Ms. Asiah
2002/2003	20	Wide mouth bottle 250 ml		Nalgene	50	\$ 3.48	\$ 174.00	21-Apr-99	23-Apr-99	23-Apr-99	ok	EMC/SARPEDAL	Store House	Ms. Asiah
2002/2003	21	Bottle Carboy 50 Lt Polyethylene		Nalgene	2	\$ 210.00	\$ 420.00	21-Apr-99	23-Apr-99	23-Apr-99	ok	EMC/SARPEDAL	Store House	Ms. Asiah
2002/2003	22	Magnesium Standard SRM	1 x 50 ml	NIST	1	\$ 664.00	\$ 664.00	15-Jul-99	15-Jul-99	18-Jul-99	ok	EMC/SARPEDAL		Ms. Asiah
2002/2003	23	Arsenic Standard SRM	1 x 50 ml	NIST	1	\$ 664.00	\$ 664.00	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Store house	Ms. Asiah
2002/2003	24	Cooper Standard SRM	1 x 50 ml	NIST	1	\$ 378.00	\$ 378.00	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Store house	Ms. Asiah
2002/2003	25	Lead Standard SRM	1 x 50 ml	NIST	1	\$ 378.00	\$ 378.00	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Store house	Ms. Asiah
2002/2003	26	Iron Standard SRM	1 x 50 ml	NIST	1	\$ 378.00	\$ 378.00	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Store house	Ms. Asiah
2002/2003	27	Nickel Standard SRM	1 x 50 ml	NIST	1	\$ 378.00	\$ 378.00	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Store house	Ms. Asiah
2002/2003	28	Selenium Standard SRM	1 x 50 ml	NIST	1	\$ 378.00	\$ 378.00	18-Mar-99	02-Apr-99	02-Apr-99	ok	EMC/SARPEDAL	Store house	Ms. Asiah
<b>6. Study on Air Pollution in Jakarta (2-4-3): 12MW (Responsible Person: Mr. Djurit + Mr. Wisnu)</b>														
2002/2003	29	Ion Chromatograph (IC) DIONEX	Dual Channel	Dionex DX120	1	\$ 66,264.00	\$ 66,264.00	2-Apr-99	06-Apr-99	06-Apr-99	ok Instal: 30-Jun-03 Training: 1-2 Jul-03 by PT Omega (Mr. Cahya)	EMC/SARPEDAL	Air Training Lab	Mr. Wisnu, Mr. Djurit
2002/2003		Service man in Jakarta area					included					EMC/SARPEDAL	Air Training Lab	Mr. Wisnu, Mr. Djurit
2002/2003		Auto Sampler, Data System included		(DX600) (~100000\$)			included		06-Apr-99	06-Apr-99	ok	EMC/SARPEDAL	Air Training Lab	Mr. Wisnu, Mr. Djurit
2002/2003	30	PM 2.5 sampler	Dust Monitor 0-1000µm/m3	Shibata ES-640	1	\$ 32,410.00	\$ 32,410.00	19-May-99	21-May-99	21-May-99	ok	EMC/SARPEDAL	Air Training Lab	Mr. Wisnu
2002/2003	31	Passive sampler for NO2 and SO2			10	\$ 86.10	\$ 861.00	8-Jun-99	10-Jun-99	10-Jun-99	ok	EMC/SARPEDAL	Air Lab	Mr. Djurit
2002/2003	32	Air Suction Pump (include Acc. Flowmeter set)	Suction flow 1-40 litre/min, w/o flow meter & flow controller	Shibata SIP-32L	2	\$ 2,166.00	\$ 4,332.00	19-May-99	21-May-99	21-May-99	ok	EMC/SARPEDAL	Noise Lab.	Mr. Wisnu
2002/2003	32	Air Suction Pump (include Acc. Flowmeter set)	Suction flow 1-40 litre/min, w/o flow meter & flow controller	Shibata SIP-32L	1	\$ 2,166.00	\$ 2,166.00	19-May-99	19-May-99	22-May-99	ok	BAPEDALDA NSP	Env. Laboratory	Mr. Abner Tarigan
2002/2003	33	High Volume Air Sampler	Suction low 300-1200 litre/min	Shibata HV-1000F	1	\$ 13,032.50	\$ 13,032.50	19-May-99	21-May-99	22-May-99	Trouble (damaged)	EMC/SARPEDAL	Air Training Lab	Mr. Djurit
2002/2003	33	High Volume Air Sampler	Suction low 300-1200 litre/min	Shibata HV-1000F	1	\$ 13,032.50	\$ 13,032.50	19-May-99	19-May-99	22-May-99	ok	BAPEDALDA NSP	Env. Laboratory	Mr. Abner Tarigan
<b>7. Strengthen of Environmental Laboratory in North Sumatera (1-4-3) (Responsible Person: Ms. Hidayati + Mr. Abner Tarigan)</b>														
2002/2003	34	Reagent for Hach DR-2010												
2002/2003		Reagent set for aluminium		HACH-USA Cat. No. 22420-01	2	\$ 105.40	\$ 210.80	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set for CLRM Chloride		HACH-USA Cat. No. 23198-00	10	\$ 55.00	\$ 550.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Chromaver 3 pp 5 or 10ML PK/100		HACH-USA Cat. No. 12710-99	2	\$ 28.00	\$ 56.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Total Chromium		HACH-USA Cat. No. 22425-00	2	\$ 128.50	\$ 257.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Aspirator with Check Valve		HACH-USA Cat. No. 2131-00	1	\$ 15.00	\$ 15.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Filter Holder, 47MM Mag Base		HACH-USA Cat. No. 13529-00	1	\$ 214.00	\$ 214.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Filter, Memb Plain 47mm PK/100		HACH-USA Cat. No. 13530-00	4	\$ 103.00	\$ 412.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Fleash, Filtering 500ml		HACH-USA Cat. No. 546-49	1	\$ 27.00	\$ 27.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		STD Color Soln 500 units, 1000ml		HACH-USA Cat. No. 1414-53	2	\$ 166.00	\$ 332.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		STD color Soln 15 units, 1000ml		HACH-USA Cat. No. 26028-53	2	\$ 88.50	\$ 177.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Synide 10ml		HACH-USA Cat. No. 24302-00	2	\$ 82.00	\$ 164.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Spadns Reagent Soln, 500ml		HACH-USA Cat. No. 444-49	4	\$ 19.00	\$ 76.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Formaldehyde LR		HACH-USA Cat. No. 22577-00	2	\$ 127.00	\$ 254.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, CA/MG Hardness		HACH-USA Cat. No. 23199-00	2	\$ 60.50	\$ 121.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		DPD Total Chlorine RGT PP PK/100		HACH-USA Cat. No. 21056-69	2	\$ 24.50	\$ 49.00	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Ferover PWD PLWS 25ml PK/100		HACH-USA Cat. No. 854-99	2	\$ 21.30	\$ 42.60	02-Apr-99	02-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan

DENS Project

\*Japanese Fiscal Year start in 1 April and ends in 31 March

FY	Item No.	Name of equipment	Specification	Manufacturer/Type	Qty	Unit in US\$	Unit in US\$	Delivery					End User		
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	Institution	Laboratory	Contact Person	
2002/2003		Reagent set, LR Manganese 10ml		HACH-USA Cat. No. 26517-00	5	\$ 45.00	\$ 225.00	3 Apr. 4 pcs 7 Mar. 1 pc	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Nitraver 5 PWD PLWS 25ml PK/100		HACH-USA Cat. No. 14034-99	4	\$ 40.00	\$ 160.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Nitraver 3 PWD PLW 10ml PK/100		HACH-USA Cat. No. 21071-69	4	\$ 34.00	\$ 136.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Nitraver 2, Nitrite RGT PK/100		HACH-USA Cat. No. 21075-69	4	\$ 34.75	\$ 139.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		COD Digestion Vial, LR HW PK/25		HACH-USA Cat. No. 21258-25	15	\$ 62.00	\$ 930.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		COD Digestion Vial, HR HW PK/25		HACH-USA Cat. No. 21259-25	15	\$ 62.00	\$ 930.00	3 Apr. 4 pcs 4 Apr. 11 pcs	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Mineral Stabilizer 50ml SCDB		HACH-USA Cat. No. 23766-26	4	\$ 13.40	\$ 53.60	3 Apr. 2 pcs 4 Apr. 2 pcs	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Nessler RGT Ex ALK, 500ml		HACH-USA Cat. No. 21194-49	2	\$ 45.00	\$ 90.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Nitrogen Ammonia		HACH-USA Cat. No. 26680-00	4	\$ 80.50	\$ 322.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Bariver 4 Powder Pillows PK/100		HACH-USA Cat. No. 12064-99	5	\$ 33.30	\$ 166.50	3 Apr. 3 pcs 4 Apr. 1 pc 7 Mar. 1 pc	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Cadmium RGT Set		HACH-USA Cat. No. 22422-01	3	\$ 648.00	\$ 1,944.00	3 Apr. 2 set 8 Apr. 1 set	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Metal Reagent Powder Power		# 12616-68	4			07-Apr-99	07-Apr-99	07-Apr-99	07-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Potassium Cyanide AR		# 767-14	1			07-Apr-99	07-Apr-99	07-Apr-99	07-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Sodium Hydroxide Soln 50%		# 2180-49	4			07-Apr-99	07-Apr-99	07-Apr-99	07-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Syringe Recorder		No. 309602 10C	1			07-Apr-99	07-Apr-99	07-Apr-99	07-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Cadmium Standard Solution		# 14261-02	1			07-Apr-99	07-Apr-99	07-Apr-99	07-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Chloroform ACS Grade 100 ml		# 14458-53	4			07-Apr-99	07-Apr-99	07-Apr-99	07-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Cobalt/Nickel 10ml		HACH-USA Cat. No. 26516-00	2	\$ 161.00	\$ 322.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Cuver 1, Copper Reagent PK/100		HACH-USA Cat. No. 21058-69	2	\$ 38.00	\$ 76.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent Set, Molybdenum		HACH-USA Cat. No. 24494-00	2	\$ 57.00	\$ 114.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Ozone Accuvac, 0-0.25mg/l PK/25		HACH-USA Cat. No. 25160-25	5	\$ 28.30	\$ 141.50	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Ozone Accuvac, 0-0.75mg/l PK/25		HACH-USA Cat. No. 25170-25	5	\$ 28.30	\$ 141.50	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Ozone Accuvac, 0-1.5mg/l PK25		HACH-USA Cat. No. 25180-25	5	\$ 29.00	\$ 145.00	3 Apr. 2 pcs 7 Mar. 3 pcs	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Phenols 0-2mg/l		HACH-USA Cat. No. 22439-01	2	\$ 718.00	\$ 1,436.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		TNT, Phosphate Total & Acid Hydrolyz		HACH-USA Cat. No. 27427-45	4	\$ 62.75	\$ 251.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		TNT, Total Phosphorus 50 Tests		HACH-USA Cat. No. 27426-45	4	\$ 58.70	\$ 234.80	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		TNT, Reactive Phosphate 50 Tests		HACH-USA Cat. No. 27425-45	4	\$ 42.50	\$ 170.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Silica LR		HACH-USA Cat. No. 25493-00	2	\$ 49.50	\$ 99.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Silica HR		HACH-USA Cat. No. 24296-00	2	\$ 71.00	\$ 142.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, Silver CLRM Method		HACH-USA Cat. No. 22966-00	4	\$ 95.00	\$ 380.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Sulfaver 4 Powder Pillows PK/100		HACH-USA Cat. No. 12065-99	4	\$ 30.30	\$ 121.20	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, for Sulfide		HACH-USA Cat. No. 22445-00	4	\$ 61.00	\$ 244.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Reagent set, ZINC		HACH-USA Cat. No. 24293-00	2	\$ 57.00	\$ 114.00	02-Apr-99	02-Apr-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003	35	Standard Solution for AAS analysis & pH measurement													
2002/2003		Lead	500ml	Merk 1.19776.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Chromium	500ml	Merk 1.19779.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Mercury	500ml	Merk 1.70226.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Cadmium	500ml	Merk 1.19777.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Sodium	500ml	Merk 1.70238.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Iron	500ml	Merk 1.19781.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Zinc	500ml	Merk 1.19806.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Aluminium	500ml	Merk 1.19770.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Copper	500ml	Merk 1.19786.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Arsenic	500ml	Merk 1.9773.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Magnesium	500ml	Merk 1.19788.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Calcium	500ml	Merk 1.19778.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Manganese	500ml	Merk 1.19789.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Borium	500ml	Merk 1.19774.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Tin	500ml	Merk 1.70242.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Molybdenum	500ml	Merk 1.70227.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Boron	500ml	Merk 1.19800.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Silver	500ml	Merk 1.19797.0500	2	\$ 25.70	\$ 51.40	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Standard solution PH4	500ml	Horiba 100-4	10	\$ 29.10	\$ 291.00	19-Mar-99	19-Mar-99	08-Apr-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan

DEMS Project

\*Japanese Fiscal Year start in 1 April and ends in 31 March

FY*	Item No.	Name of equipment	Specification	Manufacture/Type	Qty	Unit in US\$	Unit in US\$	Delivery						
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	End User		
								Institution	Laboratory	Contact Person				
2002/2003		Standard solution PH7	500ml	Horiba 100-7	10	\$ 29.10	\$ 291.00	19-Mar-99	19-Mar-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Standard solution PH10	500ml	Horiba 100-10	10	\$ 29.10	\$ 291.00	19-May-99	19-May-99	22-May-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003														
2002/2003	36	Hollow Cathode Photron Lamps												
2002/2003		HC Lamp, Sn		For Shimadzu AA-6200	1	\$ 526.00	\$ 526.00	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		HC Lamp, Ni		For Shimadzu AA-6200	1	\$ 416.00	\$ 416.00	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		HC Lamp, As		For Shimadzu AA-6200	1	\$ 602.00	\$ 602.00	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		HC Lamp, Ba		For Shimadzu AA-6200	1	\$ 514.00	\$ 514.00	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		HC Lamp, Co		For Shimadzu AA-6200	1	\$ 416.00	\$ 416.00	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		HC Lamp, B		For Shimadzu AA-6200	1	\$ 493.00	\$ 493.00	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003														
2002/2003	37	Gases for AAS												
2002/2003		Acehylene Gas with Cylinder			2	\$ 419.40	\$ 838.80	10-Apr-99	10-Apr-99	24-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		N <sub>2</sub> O Gas with Cylinder			1	\$ 608.00	\$ 608.00	11-Jun-99	11-Jun-99	29-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Argon Gas with Cylinder			1	\$ 432.00	\$ 432.00	10-Apr-99	10-Apr-99	24-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Helium Gas with Cylinder			1	\$ 426.00	\$ 426.00	10-Apr-99	10-Apr-99	24-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003														
2002/2003	38	Air Quality Analysis Consumable												
2002/2003		TEDLER® Bag 5 liter			10	\$ 20.10	\$ 201.00	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
2002/2003		Silica glass microfiber filter for High Volume Air Sampler		Advantec GB-100R, φ110 100 pc/pk	2	\$ 105.70	\$ 211.40	18-Jun-99	18-Jun-99	19-Jun-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
											Filter Paper Glass Fiber GB-100R Advantec			
2002/2003	39	Jar Tester			1	\$ 3,092.00	\$ 3,092.00	19-Mar-99	19-Mar-99	08-Apr-99	ok	BAPEDALDA NSP	Env. Lab.	Mr. Abner Tarigan
						Total	\$ 285,000.10							
						Special Discount	\$ 44,700.00							
						FY2002/2003 - TOTAL (Net Price)	\$ 240,300.10				1US\$ = Yen 110 = Rp. 8,400			
2003/2004		Contract No.: 54/CON/III/04												
2003/2004		Supplier: PT Antusias Cipta Prima, MidPlaza Building II, 8th Floor, Jl. Jendral Sudirman Kav 10-11 Jakarta Tel		5704624 CP: Mr Asan										
2003/2004		1. Maintenance and calibration instruments and material												
2003/2004	1	Scanning thermometer	Digi-Sense 12 channel scanning benchtop Thermometer 230 VAC - Type: Benchtop - Resolution: 0.1° / 1°C selectable up to 999.9°C - Accuracy: J.K.T.E. N +/- 0.1 % of reading - Display: 12-character alphanumeric LCD	Cole-Parmer / 92000-05	1	2,370.00	2,370.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
2003/2004		Accessories:	- Thermocouple probes , Type K High-temperature Flexible thermocouple probe, 12"L, Temp. range: up to 1100°C	Cole-Parmer / 08516-96	12	32.00	384.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
			- Instrument Certification, Certificate of calibration to NIST traceable standards for 12-channel scanner, type K with test data	Cole-Parmer / 17103-02	1	318.00	318.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
2003/2004	2	Hand Held Sound Intensity system	Hand Held Sound Intensity System based on 2260	B&K / 2260-E-102	1	40,759.00	40,759.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
		Consist of:	- Modular Precision Sound Analyzer with sound intensity software BZ 7205 - Sound Intensity Probe Kit for 2260	B&K / 2260E B&K / 3595								SARPEDAL / EMC SARPEDAL / EMC	Noise and Vibration Noise and Vibration	Mr. Pramana Mr. Pramana
2003/2004	3	Automatic Volumetric Titrator	Schoff Autotitrator, 50mL capacity, 230 VAC Accuracy: +/- 0.15% of span, Display res: 0.01mL	Cole-Parmer / 24906-25	1	6,167.00	6,167.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
2003/2004		Accessories include :	- Bottletop adapter	Cole-Parmer / 24906-55	1	123.00	123.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
2003/2004			- Reagent reservoir, 1 liter for titrat to -25	Cole-Parmer / 24906-52	2	44.00	88.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
2003/2004			- FEP tubing long for titrators: 25	Cole-Parmer / 24906-60	2	28.00	56.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Noise and Vibration	Mr. Pramana
2003/2004	4	Salinometer	Conductivity conversion	Horiba / ES-51	1	1,049.00	1,049.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Water	Mr. Pramana
		2. Laboratory Testing Devices of B3 (Hazardous Waste) for Characterization (2-1-4)												

DEMS Project

\*Japanese Fiscal Year start in 1 April and ends in 31 March

FY*	Item No.	Name of equipment	Specification	Manufacture/Type	Qty	Unit In US\$	Unit in US\$	Delivery					End User		
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	Institution			
												Institution	Laboratory	Contact Person	
2003/2004	1	<b>Toxic Laboratory Use</b> Organic Standard Solution for TCLP	Speed: 3- RPM ± 2, 220V 50Hz	Associated Design and Manufacturing Company Model 374L-BRRF Stanhope-Seta	1	5,987.00	5,987.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004	2	Scetaflash flashpoint tester ASTM D-3278-78	SETAFASH 'Series 3' Closed cup tester 0-300C Temperature range: 0 to 300°C, temp. ramp: 2°C/min (33000-0 only). Test time: 1 to 90 minutes	Stanhope-Seta	1	6,517.00	6,517.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004			LPG Refill container (24/pcs)	Stanhope-Seta	1	305.00	305.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004			Silicone tubing 4 meters	Stanhope-Seta	2	90.00	180.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004			Shrinage 2ml	Stanhope-Seta	1	68.00	68.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004			Flash detector asseblv	Stanhope-Seta	1	451.00	451.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004			Sample well O-ring (5/pcs)	Stanhope-Seta	4	37.00	148.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004			Syringe, 4ml	Stanhope-Seta	1	350.00	350.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004			Scetaflash certified flash point material for Calibration	Stanhope-Seta	1	203.00	203.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004	3	General Purpose Auger	General purpose soil auger, carbon steel, 3' diameter	Cole-Parmer / 99026-00	1	400.00	400.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004	4	Hot Plate	AHP-850, 850x500, AC200V		1	3,213.00	3,213.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004	5	Go Flow water sampler	10L	Go Environmental	1	4,611.00	4,611.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004	6	Ponar dredge sedimen sampler		Environment Equipment	1	3,957.00	3,957.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
2003/2004	7	Separatory funnel 2000ml	Separatory, Aquibb	Shibata, not iwaki	4	575.00	2,300.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Stock House of Toxic Lab	Mr. Pramana	
2003/2004	8	Vacuum Pump	RV3, 100V	Edward (No.A652-01-903)	1	1,793.00	1,793.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Toxic Lab	Mr. Pramana	
		<b>Environmental Biology Laboratory Use</b>													
2003/2004	9	Spare Part	for Microscope Model BHT (Olympus). Included: - CCTV Sony, SSCDC CCTV 1/2 inch - C-Mount Adapter U-PMTVC - TV Monitor, SONY HW-21M50	Sony	1	1,617.00	1,617.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004				Sony	1	414.00	414.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004				Sony	1	345.00	345.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	10	Replacement C-mount Adapter	for Digital Microscope System	Cole-Parmer / 48705-60	1	81.00	81.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	11	Optional Lenses	Lens for Digital Microscope System, 50x	Cole-Parmer / 48705-54	1	842.00	842.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	12	Optional Lenses	Lens for Digital Microscope System, 200x	Cole-Parmer / 48705-56	1	1,129.00	1,129.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	13	3M Petrifilm	6414, 3M Petrifilm EC Plates, pkq: 500ea/bx	3M	1	1,129.00	1,129.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	14	Eyepece Reticles	Liner 10mm, 0.1mm division	Fischer Cat. No.12-561-RL 2	1	87.00	87.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	15	Stage Micrometers	1mm with 0.01mm division	Fischer Cat. No.12-561-SM1	1	105.00	105.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	16	Hanging Drop Slide	No. of concavities 1	Fischer Cat. No.12-560A	1	86.00	86.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	17	Membrane Filters	Advantec A045G047J, Product Code: 10040704	Advantec No.A045G047J	1	139.00	139.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	18	Hemacytometer	Hy-Lite, Surface: Milled glass, cover slips: Two 0.4mm	Cole-Parmer / A-36219-05	1	285.00	285.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004	19	Bentos sieve	- Sieve opening: 0.212mm, stainless steel, 12" OD, full height, No.70, Tyler std. screen size: .65 mesh	Cole-Parmer / 59994-14	3	179.00	537.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004			- Sieve opening: 0.425mm, stainless steel, 12" OD, full height, No.40, Tyler std. screen size: .35 mesh	Cole-Parmer / 59994-10	3	179.00	537.00	8-Sep-00	8-Sep-00	ok		SARPEDAL / EMC	Microbiology	Mr. Pramana	
2003/2004		<b>4. Production of SRM (2-2-1)</b>													
2003/2004	1	SRM Industrial Sludge	Code: 2782, 70 gr	NIST	1	414.00	414.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store room	Mr. Pramana	
2003/2004	2	SRM Montana II Soil	Code: 2711, 50 gr	NIST	1	317.00	317.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	3	SRM Natural Water	Code: 1640, 250 ml	NIST	2	255.00	510.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	4	SRM Mercury in water	Code: 1641d, 10 x 10 ml	NIST	2	239.00	478.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	5	SRM Estuarine Sediment	Code: 1646a, 70 gr	NIST	2	431.00	862.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	6	SRM PCBs in River Sediment A	Code: 1939A, 50 gr	NIST	1	314.00	314.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	7	SRM Urban Particulate Matter	Code: 1648, 2 gr	NIST	1	284.00	284.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	8	SRM Air Particulate on Filter Media	Code: 2783, 2 loaded, 2 blank filters	NIST	1	646.00	646.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	9	APG Wastewater (WP) Proficiency Testing Samples	1 Product 4070	APG	2	195.00	390.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	10	APG Wastewater (WP) Quality Control Samples	1 Product 4072	APG	2	175.00	350.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	11	Microbalance	120g/0.1mg	Shimadzu / AUX-120	2	1,692.00	3,384.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	12	Nalgene bottle	50L, with cock	602-21-46-03	10	395.00	3,950.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	13	Micro syringe for gas	1 ml, MS-GAN100	062-14-85-83	5	124.00	620.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	14	Micro pipet + Piptips	10 - 100 ul	Finnpipet/ DISP4500-110	3	293.00	879.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004		Tip	TIP9400-236		3	101.00	303.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	15	Micro pipet + Piptips	100- 1000 ul	Finnpipet	3	293.00	879.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004		Tip	TIP9401-030		3	113.00	339.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	
2003/2004	16	Micro pipet + Piptips	1 - 5 ml	Finnpipet	3	327.00	981.00	1-Jun-00	1-Jun-00	ok		SARPEDAL / EMC	Store Room	Mr. Pramana	



DEMS Project

\*Japanese Fiscal Year start in 1 April and ends in 31 March

FY*	Item No.	Name of equipment	Specification	Manufacture/Type	Qty	Unit in US\$	Unit in US\$	Delivery											
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	End User							
								Institution	Laboratory	Contact Person									
2003/2004			- Redundant Power Supply 2 x 560 Watt, - CD-ROM 48x, HDD: 3 x 36Gb - FDD: 1.44Mb, Keyboard and Mouse - Monitor: 15" CRT																
2003/2004	2	UPS	MLT 5000	Vector	1	2,688.00	\$ 2,688.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004			- Capacity: 5 KVA - Wide input voltage range without using battery - Smart battery managemtn system (SBM) - Built-in isolation transformer - Large LCD/LED display - Smarth RS-232 communication interface - Single chip microprocessor - Built-in communication protocol and port - Isolated IGBT inverter - Double conversion on-line architecture - Multiple high-rate charger for runtime extension - Multiple UPS software selection																
2003/2004	3	Rack	19"Close Rack 42U Depth 855mm, complete with top, bottom side, tempered/ Acrylic glass front door and back metal door + swing handle + key + accessories (Germany)	(Germany)	1	649.00	\$ 649.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information Sytem	Ms. Nastiti Sih Lestari					
2003/2004	4	Desktop Computer	Compaq D530C - Processor Intel Pentium IV-2.66 GHz - Chipset 865G, - 512Kb L2 cache - Memory: 256Mb DDR - HDD: 40Gb 7200 rpm - Integrated Intel Extreme Graphics 2, - CD-ROM 48x - Integrated Digital Audio - 5 shelves, 4 slots: 3 PCI & 1 AGP 8x, USB: 2 - OS Windows XP Pro, Keyboard + Mouse - S5500 15" Color Monitor	Compact	1	1,069.00	\$ 1,069.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	5	Desktop Computer	Think Centro A30 - Processor Intel PIV-2.4GHz - Memory: 128Mb RAM - Hard Disk: 40Gb - CD-ROM 48x - Integrated 32Mb VRAM, NIC, Sound Card - Monitor 15" CRT - OS Windows XP Pro, Keyboard + Mouse	IBM	15	950.00	\$ 14,250.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	6	Firewall	AT-AR410S - Security appliance provides statoful inspection firewall - Secure VPN (Vertual Private Network IP Sec based web	Allied Telesyn	1	982.00	\$ 982.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	7	Switching Hub	AT-FS7241 - 24 port 10/100 TX (RJ45) Unmanageable Fast Ethernet Switch	Allied Telesyn	1	257.00	\$ 257.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	8	Switching Hub	AT-GS908 - 8 port 10/100/1000TX	Allied Telesyn	2	275.00	\$ 550.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	9	Expanded Hard Disk Drive	36GB Ultra 320 Hotswap 10,000rpm	Seagate	1	200.00	\$ 200.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	10	Laser Printer	Canon LBP-1210 Print speed: 14ppm(A4):15ppm(letter), Res.: 600x600dpi	Canon	4	282.00	\$ 1,128.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	11	Software	Microsoft Windows XP Profesional	MS	1	200.00	\$ 200.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	12	Software	MS Office 2003 Profesional	MS	1	394.00	\$ 394.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	13	SPSS Statistical Analysis	Management of Laboratory's Data	SPSS	1	2,222.00	\$ 2,222.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information	Ms. Nastiti Sih Lestari					
2003/2004	14	Sample Tracking and inventory System	8224, Laboratory Information Management System (5-user CD)	Cofe-Parmer	1	8,050.00	\$ 8,050.00	13-Apr-00	13-Apr-00	ok	by EMC self	SARPEDAL/ EMC	Information Sytam	Ms. Nastiti Sih Lestari					
							FY2003/2004 Sub Total 3	\$ 37,052.00											
							FY 2003/2004 - TOTAL	\$ 195,834.06	US\$ 1 = Yen 111.8 = Rp. 8,815										

DEMS Project

\*Japanes Fiscal Year start in 1 April and ends in 31 March

FY*	Item No.	Name of equipment	Specification	Manufacture/Type	Qty	Unit in US\$	Unit in US\$	Delivery								
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	End User				
												Institution	Laboratory	Contact Person		
2004/2005	Contract I No.: 27/CON/XII/04															
2004/2005	Supplier: PT Antusia Cipta Prima, MidPlaza Building II, 8th Floor, Jl. Jendral Sudirman Kav. 10-11 Jakarta Tel: 5704624 CP: Mr. Asan															
2004/2005	1. Maintenance and calibration instruments and material															
2004/2005	1	Digital Stopwatch	SPER SCIENTIFIC. Stopwatch with front panel Timing cap.: 24hr. Accuracy +/- 1.5 sec/day, Display: LCD, 3/8"H, Battery: 1.5V AA (Unit include: Nect cord, carrying case and AA Battery)	Cole-Parmer / 94460-08	2	97.00	194.00	14-Apr-01	14-Apr-01	ok		PUSARPEDAL/EMC	Calibration Lab	Mr. Pramana		
2004/2005	2	Total Organic Halogen	TOX.100 Standard Set Method: Oxidative pyrolysis/coulometric titration Electrode: Platinum electrode Range: 0.05 - 50 mg Detection limit: 0.2 ppm (use constant rate) Measuring time: within 10 min/measurement when measuring 2 mg Detection method: Oxidation-reduction potential	Mitsubishi Chemical / TX100E	1	31,470.00	31,470.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	Spectro-2 Room	Mr. Pramana		
2004/2005		including:	Personal Computer, Compaq EVO Processor Intel PIV-3.06Gb. Memory: 128Mb RAM, HDD: 40Gb, Monitor 15". CD-ROM 52x, FDD 1 44Mb, Keyboard, & Mouse	Compaq	1			14-Apr-01	14-Apr-01	ok			Spectro-2 Room			
2004/2005			Printer HP DeskJet 3550	HP	1								Spectro-2 Room			
2004/2005	3	Optional Accessories:	Chlorine Titration Cell Unit	Mitsubishi Chemical TX3CCL	1	2,780.00	2,780.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	Spectro-2 Room	Mr. Pramana		
2004/2005	4		Sulfur Titration Cell Unit	Mitsubishi Chemical TX3CES	1	3,150.00	3,150.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	Spectro-2 Room	Mr. Pramana		
2004/2005	5		Adsorption Module 3 channel	Mitsubishi Chemical TXA03C	1	11,118.00	11,118.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	Spectro-2 Room	Mr. Pramana		
2004/2005	3. Laboratory Testing Devices of B3 (Hazardous Waste) for Characterization (2-1-4)															
2004/2005	Toxic Laboratory Use															
2004/2005	6	Glass Door Lab. Refrigerator	1 Door, 3 shelves, 220/240V, Temp. range 1-100C, size: (W69xH198xD81cm), Cap.: 651.3 liters, interior and exterior walls of aluminum, stainless steel floor.	Cole-Parmer / 44201-55	2	7,134.00	14,268.00	14-Apr-01	14-Apr-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	7	Rotary evaporator	R-200A-5, 220V	Shibata / SE-100	1	9,696.00	9,696.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	8	Optional Accessories:	- Water bath B-490, 220V	Buchi / B-490	1	1,256.00	1,256.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	9		- Diaphragm Vacuum Pump V-1000P, 220V	Buchi / V-1000P	1	7,177.00	7,177.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	10		- Sibata coolmen	Shibata / PAL C-305	1	3,150.00	3,150.00				Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	11	Shaker for separating funnel 2 L	V-LDK, AC220V	Shibata	1	6,485.00	6,485.00	14-Apr-01	15-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	12	Cu/Aq Corrosion Bath	SETA, 11400-6 220VAC/50Hz, Bath Capacity 35L SizeH41xW45xD33cm Heater power: 1500W Temperature range: 40° to 150°C ± 0.5°C	Stabhope-Seta	1	6,869.00	6,869.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	13	Consist of:	Silicon carbide paper, 105um (150grit FEPA)	Stabhope-Seta / 11241-0	1	214.00	214.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	14		Support for copper test except on natural gasoline and aviation fuels. Holds three test tubes in bath, pack of 2.	Stabhope-Seta / 11420-0	5	594.00	2,970.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	15		Water purifier, to minimize scale production	Stabhope-Seta / 15650-0	1	832.00	832.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	16		Silicone fluid, 20litre, for use at temperature up to 150°C	Stabhope-Seta / 94632-0	1	1,120.00	1,120.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	17		Copper corrosion test vessel, for copper test on natural gasoline and aviation fuels. Stainless steel with "O" ring seals screw-top closer. Max. working pressure 7bar (100psi) at 100°C.	Stabhope-Seta / 11500-0	5	679.00	3,395.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	18		Silver corrosion convention kit	Stabhope-Seta / 11510-0	1	880.00	880.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	19		Seta multi strip vice	Stabhope-Seta / 11520-0	1	619.00	619.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	20		Copper test strips, 75x12.5x2.4mm, w/material certificate, pack of 30.	Stabhope-Seta / 11550-0	1	449.00	449.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	21		Test tube, 25x150mm, pack of 10.	Stabhope-Seta / 11590-0	1	65.00	65.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	22		Flat glass test tube, to protect strip during inspection, pack of 20.	Stabhope-Seta / 11570-0	1	256.00	256.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	23		Silver corrosion glassware	Stabhope-Seta / 11430-0	1	287.00	287.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	24		Silver test strip	Stabhope-Seta / 11440-0	1	365.00	365.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	25		ASTM Color Standard	Stabhope-Seta / 11450-0	1	1,005.00	1,005.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	26		Silicone carbide cloth, 65 mm (240grit) 28x23cm, pack of 25.	Stabhope-Seta / 11460-0	1	82.00	82.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		
2004/2005	27		Silicone carbide paper, 100grit, 28x23cm, pack of 50.	Stabhope-Seta / 11470-0	1	260.00	260.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana		

**DEM8 Project**

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FY*	Item No.	Name of equipment	Specification	Manufacture/Type	Qty	Unit in US\$	Unit in US\$	Delivery					End User		
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	Institution	Laboratory	Contact Person	
2004/2005	28		Silicone carbide grains, 105mm (150mesh), 500gr/pack, 5.packs.	Stabhope-Seta / 11480-0	1	214.00	214.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	29		ASTM-IP copper strip corrosion standard, a set of 13 plaques, printed on aluminum and encapsulated in plastic for protection.	Stabhope-Seta / 11580-0	1	782.00	782.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	30		Thermometer ASTM 12C/IP 64C		1	120.00	120.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	31		Thermometer ASTM 12C/IP 64F		1	120.00	120.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	<b>4. Production of SRM (2-2-1)</b>														
2004/2005	32	Cooler Box	35L, Dim: L500 x W318 x H390 mm Foam insulated body, outer material: high-density polyethylene.		10	30.00	300.00	14-Apr-01	14-Apr-01	ok		PUSARPEDAL/EMC	Ware House	Mr. Pramana	
2004/2005	33	Hydride Vapour Generator (HVG)	HVG-1 Part no. 206-17143-92 for AA6601 Complete with : Argon Regulator & Cylinder Power requirement: 220V, 50/60Hz, 30VA Dimensions: D220 x W340 x H200 mm.	Shimadzu	1	11,007.00	11,007.00	14-Apr-01	14-Apr-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
						FY2004/2005 Sub Total (1)		122,955.00 US\$ 1 = Yen 111.8 = Rp. 8,915							
Contract II No.: 43/CON/III/05															
Supplier: PT Antusia Cipta Prima, MidPlaza Building II, 8th Floor, Jl. Jendral Sudirman Kav. 10-11 Jakarta Tel: 5704824 CP: Mr. Asari															
<b>I. Maintenance and calibration instruments and material</b>															
2004/2005	1	NIST-Calibrated thermometer	range: -20 to 110 (°C)	Cole-Parmer / U-08124-22	1	2,033.00	2,033.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	MCC	Mr. Pramana	
2004/2005	2	NIST-Traceable thermometer	range: -1 to 51 °C	Cole-Parmer / U-08119-53	1	685.00	685.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	MCC	Mr. Pramana	
2004/2005	3	NIST-Traceable thermometer	range: -1 to 101 °C	Cole-Parmer / U-08119-55	1	997.00	997.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	MCC	Mr. Pramana	
2004/2005	4	NIST-Traceable thermometer	range: -1 to 201 °C	Cole-Parmer / U-08119-91	1	997.00	997.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	MCC	Mr. Pramana	
2004/2005	5	High Accuracy Dry Block Calibrator	Min. Temp. : 25 to 650 °C. Display res.: 0.1°C Accessories include: Software / U-08511-90 with RS-232 cable(6-ft. long)	Technie / Tecal 650 S/FDB 650SD	2	6,660.00	13,320.00	27-Jun-01	27-Jun-01	ok	Install	PUSARPEDAL/EMC	MCC	Mr. Pramana	
2004/2005	6	Interface for PC	With PCI Bus +2m cable for Onosokki DS-2000series	ONO SOKKI /ONOLINK II Interface DS-0296	1	2,639.00	2,639.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Noise Lab	Mr. Pramana	
2004/2005	7	Data processing Software	File Export Function Software for use together with ONOSOKKI DS-2000 Series	ONO SOKKI / DS-0251	1	1,570.00	1,570.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Noise Lab	Mr. Pramana	
2004/2005	8	Benchtop Dissolved Oxygen meter	Inolab pH/Oxi Level 1.Complete with sentix 41, Cellox 325, Oxygen saturation 0.0 to 199.9 %, 0 to 600 %	WTW inoLab/ 1D10-11210	1	2,190.00	2,190.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Water Lab	Mr. Pramana	
2004/2005	9	Fixed-volume reference pipettor (Multipette-Plus w/Combipip-Plus)	Tip Volume 0.5ml, Dispensing Range 5 to 100ml, Accuracy 0.8% (1pack=100pcs), Multipipette-plus (4981.000.019)-Combipip plus (0030.069.226)	Eppendorf	1	591.00	591.00	27-Jun-01	27-Jun-01	ok	accessories 14-Jul	PUSARPEDAL/EMC	Water Lab	Mr. Pramana	
2004/2005	10	Adjustable-volume pipettor	5 to 50µl,Increment 1,Accuracy 1.2%,Reproducibility 0.7%	Cole-Parmer/A-21600-12	1	196.00	196.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Water Lab	Mr. Pramana	
2004/2005	11	Digital electronic burettes	Range 0 to 50 mL, Division 0.01ml,better than ±0.2% better than ±0.2%,Reproducibility ±0.01%	Cole-parmer/ A-25201-15	3	922.00	2,766.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Water Lab	Mr. Pramana	
2004/2005	12	Integrated Sound Level meter	Type 2, JIS C 1502,with memory Range 36 to 140db(Flat)	ONO SOKKI / LA-1250	1	2,670.00	2,670.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Noise Lab	Mr. Pramana	
2004/2005	<b>2. Rank Odor Analysis Equipment</b>														
2004/2005	13	Tedlar bag for sampling	5L Sampling for Oder analysis analysis	GL Sci./3008-61915	20	34.00	680.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	14	Sample collecting case	for 5 L Tedlar bag	GL Sci./3008-36005	1	706.00	706.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	15	Teflon tube	1/8"with double needles	GL Sci./2702-17314	2	157.00	314.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	16	Sample condensing tube	Hewlet Packard-GC with heater packed ODPN60/80 Packed, burned	GL Sci./2702-17421	2	1,198.00	2,396.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	17	Dewar flask (0.5L) with lid	SUS, with lid	GL Sci./3008-72205	1	381.00	381.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	18	Tube connector	Cat.No.3008-35500	GL Sci./3008-35500	1	56.00	56.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	19	Dewar flask (1.0L) with lid	SUS, with lid	GL Sci./3008-72211	1	515.00	515.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	20	Teflon tube	1/8"with single needle	GL Sci./2702-17313	1	11.00	11.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	21	Connecting	Tubing with HI TACHI	GL Sci./3001-51106	2	34.00	68.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	22	Cap	for Tedlar bag(Cat.No. 3008-61915)	GL Sci./3008-35106	1	34.00	34.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	23	Spare needle for collection tube, condensing tube	replacement neede for sampling/concentration tube 23x650mm, 5pcs/box	GL Sci./3008-67900	2	45.00	90.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana	
2004/2005	24	Unitube	OD 9mm, ID 5mm, length 1m	GL Sci./3007-23505	2	34.00	68.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	25	Unitube	OD 15mm, ID 9mm, length 1m	GL Sci./3007-23509	2	90.00	180.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	26	Pump PS-7	Sample collecting pump	GL Sci./3008-75110	2	448.00	896.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	27	Cartridge	for PS-7	GL Sci./3008-75910	2	90.00	180.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	28	1L Vacuum jar	For sampling	GL Sci./3008-58110	8	302.00	2,416.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	
2004/2005	29	Protection case	for vacuum jar(Cat.No.3008-58110)	GL Sci./3008-58913	5	213.00	1,065.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana	

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FY*	Item No.	Name of equipment	Specification	Manufacture/Type	Qty	Unit in US\$	Unit in US\$	Delivery						
								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	End User		
												Institution	Laboratory	Contact Person
2004/2005	30	Tube connector	Cat.No.3008-35500	GL Sci./3008-35500	5	56.00	280.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	31	Heating furnace	Connector for styrene collecting tube heating oven	GL Sci./2702-17481	1	986.00	986.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	32	Stand of heating furnace	Oven stand	GL Sci./3008-67210	1	123.00	123.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC		
2004/2005	33	Collection tube (non-packed)	Non-packed styrene collector, OD 8.2mm, 23Gx5mm, length 200mm	GL Sci./3008-67123	10	90.00	900.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC		
2004/2005	34	Spare needle	for collection tube, condensina tube, 23G x 5 cm, 5 p/c	GL Sci./3008-67900	3	45.00	135.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC		
2004/2005	<b>3. Production of SRM (2-2-1)</b>													
2004/2005	35	UV-VIS Spectrophotometer	Double beam method wave length 190-900nm, spectra bandpass; 0.1mm, including 4pcs quartz cell, 10mm, w/Personal Computer	Hitachi U3010	1	26,503.00	26,503.00	17-Jul-01	17-Jul-01	ok	Intallation & Training	PUSARPEDAL/EMC	Spectro Room	Mr. Asrul
2004/2005	36	Cross-media publishing software	Adobe Illustrator CS, Media CD-ROM,Windows XP	Adobe/Adobe Illustrator CS	1	586.00	586.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC		
2004/2005	37	Image-editing software	AdobePhotoshop CS 8, CD-ROM, Windows XP	Adobe/Photoshop8(Windows)	1	718.00	718.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC		
2004/2005	<b>5. Toxic Substances Analysis Equipment</b>													
2004/2005	38	Electric Capture Detector	For gas chromatograph GC-14BPE, include ECD cell, GC Key Controller(ASSY,GE P/N221-3177296)	Shimazu/ECD for GC-14BPE	1	9,486.00	9,486.00	27-Jun-01	27-Jun-01	ok	Install	PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	39	Micro Syringe	10ul,for GC	GI Science/ 701N/ 4015-11001	3	45.00	135.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	40	Gas Tight Syringe	500ul,for GC Gas Sample	GI Science/ Gastight1750LTN/ 4015-41050	2	73.87	156.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	41	GC Column	100%Dimethylpolysiloxane Capillary Column	Borka/ DB-1, No.123-1032	2	856.00	1,712.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	42	GC Column	For VOC analysis Capillary Column	Borka/ DB-624/ No.123-1364	2	1,593.00	3,186.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	43	Data Processer	For GC, Digital 2ch, Analog 1ch, include data processing Software	Shimazu/ChromatoPac CR8A	1	5,914.00	5,914.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	B3 Lab	Mr. Pramana
2004/2005	<b>6. Water Labo Equipment</b>													
2004/2005	44	WL600 Sonic Water Level Meter	Measurement range: Normal 25-500' or Deep 200-1500',Power: 8 AA dry cell batteries,Weight 3 1/2 lbs, Length: 7" Height: 4" Width: 5"	Global Water/WL600	1	1,540.00	1,540.00	17-Jul-01	17-Jul-01	ok	Install	PUSARPEDAL/EMC	Water Lab	Ms. Hidayati
2004/2005	45	GPS	portable GPS, 12 parallel channel receiver with built-in patch antenna,Runs 18 hours on just two AA batteries Include(E-Trex Carry Case, E-Trex Lighter Adaptor, E-Trex Interface Cable)	Garmin GPS/4110-G10 Include 4110-G11(Case) 4110-G12(Adapter) 4110-G13(Interface cable)	1	392.00	392.00	27-Jun-01	27-Jun-01	ok	Install	PUSARPEDAL/EMC		
2004/2005	45	GPS	portable GPS, 12 parallel channel receiver with built in patch antenna,Runs 18 hours on just two AA batteries Include(E-Trex Carry Case, E-Trex Lighter Adaptor, E-Trex Interface Cable)	Garmin GPS/4110-G10 Include 4110-G11(Case) 4110-G12(Adapter) 4110-G13(Interface cable)	1	392.00	392.00	27-Jun-01	25-Jul-01	ok	2005/7/25	BAPEDALDA NSP	Environmental Lab	Ms. Hidayati
2004/2005	46	Van Dorm Water Sampler	Vertical PVC Kit,Includes carry case,Opaque PVC, 3.2L	Alpha/ Vertical PVC Kit/ No.1130-D42	1	635.00	635.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Water Lab	Mr. Pramana
2004/2005	47	General Purpose Winch	Galvanized steel, Include Stainless Steel Aircraft Cable, 1/8in:100ft, Stainless Steel Aircraft Cable, 1/8in 100m, General Purpose Winch Mount	Wildlife/ 66-C10	1	209.00	209.00	27-Jun-01	27-Jun-01	ok	will discuss with b Halimah / Shinto	PUSARPEDAL/EMC	Still keep by Mr. Furuta	Mr. Pramana
2004/2005	47	General Purpose Winch	Galvanized steel, Include Stainless Steel Aircraft Cable, 1/8in:100ft, Stainless Steel Aircraft Cable, 1/8in 100m, General Purpose Winch Mount	Wildlife/ 66-C10	1	209.00	209.00	27-Jun-01				BAPEDALDA NSP	Environmental Lab	Ms. Hidayati
2004/2005	<b>7. Air Labo Equipment</b>													
2004/2005	48	High Volume Air Sampler	Sample flow: controllable for 700-1,500L/min flow rate	KIMOTO/ 121HL	1	7,022.00	7,022.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	49	Dater Logger	long-term measurement, Super low power consumption, Measurement interval - 1second,8 channels analog input and 1 channel pulse input include: Datamark Assist, English SR3050E, Cable RC302, AC Adapter	HAKUSAN/LS-3000PIV	1	3,207.00	3,207.00	2-Jun-01	2-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	50	Ion Chromatograph Anion Column	Ion pac AS4ASC Analytical column (4x250mm)	Dionex/ AS4A-SG/ P/N43174	1	2,156.00	2,156.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	51	Ion Chromatograph Gurd Column	Ion pac AG12A Guard Column (4x50mm)	Dionex AG12A 4mm P/N46035	1	678.00	678.00	17-Jul-01	17-Jul-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	52	Ion Chromatograph Cation Column	Ion pac CS23 Analytical Column 95x250mm)	Dionex/ CS23/ P/N 37024	1	2,710.00	2,710.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	53	Ion Chromatograph Gurd Column	Ion pac CG3 Guard Column (4x50mm)	Dionex/ CG3/ P/N37025	1	1,170.00	1,170.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	54	Carbon Brush	Carbon for HVAS 121HL	KIMOTO/for HVAS	20	11.00	220.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	55	Thermohygrometer	hermo-Hygrometer, -15-40°C, 5-100%	SATO/NSII-Q	3	728.00	2,184.00	6/28/2005 (1)	1-Aug-01	ok		PUSARPEDAL/EMC	Air Lab	Mr. Pramana
2004/2005	<b>8. Monitoring Equipment</b>													
2004/2005	56	Database Management software	MicroSoft Access 2003, Media CD-ROM,Windows XP	MicroSoft /Access2003	1	218.00	218.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Information System	Mr. Pramana
2004/2005	56	Database Management software	MicroSoft Access 2003, Media CD-ROM,Windows XP	MicroSoft /Access2003	1	218.00	218.00	27-Jun-01	24-Jul-01	ok		BAPEDALDA NSP	Environmental Lab	Ms. Hidayati

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								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	End User		
												Institution	Laboratory	Contact Person
2004/2005	57	Automatic Water Sampler	Portable sampler, consist of 3700 base w/24 wedge shaped 1L polypropylene bottle and caps, suction line (3/8"ID), 25ft with strainer, Ni-Cd Battery, rechargeable, 12hr. 4 amp-hour, power supply adaptor.	ISCO/Model-3700	1	4,928.00	4,928.00	27-Jun-01	24-Jul-01	ok		BAPEDALDA NSP	Environmental Lab	Ms. Hidayati
2004/2005	58	Compact pH Meter	Glass Electrode, 3 1/2-digit LCD, ±0.1 pH, pH 2 - pH 12	Horiba/Twin pH B-211/212/213	1	164.00	164.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Water Lab	Mr. Pramana
2004/2005	<b>B. Biological Monitoring Equipment</b>													
2004/2005	59	Van Dorn Water Sampler	Transparent acrylic, Alpha Water Sampler, Vertical Acrylic Water sampler only 2.2L	Alpha/No.1120-D42	1	581.00	581.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Water Lab	Mr. Pramana
2004/2005	60	Surber Sampler	With Case, 243Um, Nitex, Stainless steel frame for maximum corrosion resistance	Wildlife/No.12C12	1	262.00	262.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Microbiology Lab	Mr. Pramana
2004/2005	60	Surber Sampler	With Case, 243Um, Nitex, Stainless steel frame for maximum corrosion resistance	Wildlife/No.12C12	1	262.00	262.00	27-Jun-01	24-Jul-01	ok		BAPEDALDA NSP	Environmental Laboratory	Ms. Hidayati
2004/2005	61	Plankton net No.25	Wisconsin Sampler. Includes carry case 63µm, Nitex	Wildlife/No. 40-A40	1	304.00	304.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Microbiology Lab	Mr. Pramana
2004/2005	61	Plankton net No.25	Wisconsin Sampler. Includes carry case 63µm, Nitex	Wildlife/No. 40-A40	1	304.00	304.00	27-Jun-01	24-Jul-01	ok		BAPEDALDA NSP	Environmental Laboratory	Ms. Hidayati
2004/2005	62	Plankton net for Zooplankton	Plankton net for Zooplankton	Wildlife/ Zooplankton Net/No. 428-A26	1	100.00	100.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Microbiology Lab	Mr. Pramana
2004/2005	63	Handy Field Microscope	Handy Field Microscope w/100X, 33x and 87	Wildlife/No. 1812-B20	1	290.00	290.00	27-Jun-01	27-Jun-01	ok		PUSARPEDAL/EMC	Microbiology Lab	Mr. Pramana
2004/2005	63	Handy Field Microscope	Handy Field Microscope w/100X, 33x and 87	Wildlife/No. 1812-B20	1	290.00	290.00	27-Jun-01	24-Jul-01	ok		BAPEDALDA NSP	Environmental Laboratory	Ms. Hidayati
						FY2004/2005 Sub Total II	\$ 122,178.00	\$ 1 = JPY 104.18 = Rp. 8,128						
						FY2004/2005 - TOTAL	\$ 245,130.00							
2005/2006	Contract No.: 8/CON/III/05													
2005/2006	Supplier: PT JFE Shoji Trade Indonesia, Summitmas Bld 8th Floor, Jl. Jend. Sudirman Kav. 61-62 Jakarta Tel: 021-252 2743 CP: Mr. Kriena Wijaya													
2005/2006	<b>i. Maintenance and calibration Instruments and material</b>													
2005/2006	1-1	Water Quality Checker (DO)	range: 0 to 19.9 (mg/l)	Horiba/ U-10-02	1	3,710.60	3,710.60	18-Aug-01	18-Aug-01	ok	Install	PUSARPEDAL/EMC	Water Lab	Asrul
2005/2006	1-2	Water Quality Checker (EC, Salinity)	range: 0 to 100mS/cm	Horiba/ U-10-02	1		included	18-Aug-01	18-Aug-01	ok	Install	PUSARPEDAL/EMC	Water Lab	Asrul
2005/2006	1-3	Water Quality Checker (Turbidity)	range: 0 to 800 NTU	Horiba/ U-10-02	1		included	18-Aug-01	18-Aug-01	ok	Install	PUSARPEDAL/EMC	Water Lab	Asrul
2005/2006	1-4	Water Quality Checker (pH)	range: 0 to 14	Horiba/ U-10-02	1		included	18-Aug-01	18-Aug-01	ok	Install	PUSARPEDAL/EMC	Water Lab	Asrul
2005/2006	5	Automatic Pure Water Equipment	100V (with transformer)	Iwaki-ASQ-2DS	1	5,493.71	5,493.71	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Water Lab	Aqua
2005/2006	6	Hydrogen Generator	Stec 100V with transformer, Max Generating flow rate 100ml/min	Horiba OPGU-2100	1	4,577.62	4,577.62	24-Nov-01	24-Nov-01			PUSARPEDAL/EMC	Air Training	Isa/Ricky
2005/2006	7	Passive sampler	Ambient Air Passive Sampler for NO-NO2, Nox, Sox, O3, NH3	Ogawa Soiki PS-100	120	53.30	6,396.00	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Air Training	Isa/Ricky
2005/2006	8	Compressor	Air Flow: Max 20l/min Max rated pressure: 0.8MPa Air tank capacity: 16 liter with transformer	Hitachi-SC820	1	3,906.88	3,906.88	24-Nov-01	24-Nov-01		Install	PUSARPEDAL/EMC	Training AAS	Jauhari/Asrul
2005/2006	9	Medical Freezer	Capacity: 426 liters Control Range: -20°C - 35°C 220v without transformer	Sanyo-MDF-436	1	3,317.12	3,317.12	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Water Training	Asrul
2005/2006	10-1	Microscope	Olympus-CX-41-32000-2 consist of	Olympus-CX-41-32000-2	1	3,003.38	3,003.38	11-Oct-01	11-Oct-01		Install & Training	PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		CX41RF-2	Microscope frame with quintuple revolving nosepiece, mechanical stage, 30W illuminator, filter 32.5°C-2	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		U-CTR30-2	Trinocular Tube, FN20, Fixed light pass, B/Photo:50/50	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		6V30W/4H	30w Halogen bulb (philips No. 5761)	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		UYGP	Power cord	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		Cover-015	Dust Cover No. 015 for CX21/31/41 S22	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		WHB10X	Wide field eyepiece 10X, FN20	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		Oil 8cc	Immersion oil in 8cc bottle	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		CX-PHD-C12	Olympus phase contrast attachment for CX2 series Adaptor for digital camera for CX41, C-5060-ADU C mount adaptor U-CHAD-3 Television adaptor TV-TIAD	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		CX-SLC	Slider condenser for CX2- to be used with CX-AL CX-LA, CX-PH1/OH2PH3 or CH2-FH	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		CX-PH1	Ring slit PH1	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade
2005/2006		CX-PH2	Ring slit PH2	Olympus			included	11-Oct-01	11-Oct-01			PUSARPEDAL/EMC	Biology Lab	Unon/Ade



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								Received fr Agent	Delivery to the User	Inspection	Installation / Remarks	Institution	Laboratory	Contact Person	
2005/2006	1	Notebook Computer NEC Versa E 6100-2000 DR	Processor Intel Pentium M 760 2.0 Ghz, 2MB cache, FSB 533 System Memory: 512 MB RAM Storage: Harddisk 80 GB Floppy Disk drive 1.44 MB Optical device: DVD Super Multi Drive Graphic System: VGA Pointing device: Equipped Keyboard: English	NEC Versa E 6100-2000 DR	1	1,550.00	\$ 1,550.00	17-Apr-02	31-May-02	hand by Mr. Furuta	Install	BAPEDALDA NSP	BAPEDALDA Rosdiana Room	Mr. Umada	
2005/2006	2	Software STATISTICA Standard 7.0 (English Version)	Statistica Base Station Statistica Multivariate Exploratory Technique		1	2,175.00	\$ 2,175.00	17-Apr-02	17-Apr-02		Install	PUSARPEDAL/EMC	Information System		
2005/2006	2	Software STATISTICA Standard 7.0 (English Version)	Statistica Base Station Statistica Multivariate Exploratory Technique		1	2,175.00	\$ 2,175.00	17-Apr-02	31-May-02	hand by Mr. Furuta	Install	BAPEDALDA NSP	BAPEDALDA Rosdiana Room	Mr. Umada	
2005/2006	3	Software ArcGIS ArcView 9.1 Single User			1	1,590.40	\$ 1,590.40	17-Apr-02	17-Apr-02		Install	PUSARPEDAL/EMC	Information System		
2005/2006	4	Software ArcGIS Extension - Arc Scan			1	2,850.40	\$ 2,850.40	17-Apr-02	17-Apr-02		Install	PUSARPEDAL/EMC	Information System		
							FY2005 Additional - TOTAL	\$ 11,690.80	US \$ 1 = JPY 112.06 = IDR 8,200						
							FY2005/2006 - TOTAL	\$ 71,447.80							
							GRAND TOTAL	\$ 784,502.76							