

Appendix 6D
Annex 1

**Estimated Capacities for Proposed
Solid Waste Infrastructure and Equipment**

OPTION A

No.	Type of SWM Facilities	State	Location	Capacity (Years 2005 to 2020) (Tonnes)
1	Sanitary Landfill	Kedah	Baling	3,982,000
2	Sanitary Landfill	Kedah	Padang Terap	4,140,000
3	Sanitary Landfill	Kedah	P. Langkawi	78,000
4	Sanitary Landfill	P. Pinang	Pulau Burong	10,267,000
5	Sanitary Landfill	Perak	Kinta	9,480,000
6	Sanitary Landfill	Perak	P. Pangkor	3,000
7	Sanitary Landfill	Selangor	Rawang*	21,175,000
8	Sanitary Landfill	Selangor	Ulu Langat	27,764,000
9	Sanitary Landfill	Selangor	Sabak Bernam	813,000
10	Sanitary Landfill	Kelantan	Tanah Merah	5,228,000
11	Sanitary Landfill	Kelantan	Gua Musang	217,000
12	Sanitary Landfill	Terengganu	Kuala Terengganu	3,645,000
13	Sanitary Landfill	Terengganu	Besut	675,000
14	Sanitary Landfill	Pahang	Kuantan	2,744,000
15	Sanitary Landfill	Pahang	Maran	1,194,000
16	Sanitary Landfill	Pahang	Raub	878,000
17	Sanitary Landfill	Pahang	Rompin	670,000
18	Sanitary Landfill	Pahang	P. Tioman	2,000
19	Sanitary Landfill	N. Sembilan	Seremban	5,814,000
20	Sanitary Landfill	Melaka	Alor Gajah	3,407,000
21	Sanitary Landfill	Johor	Johor Bahru (Seelong)*	11,065,000
22	Sanitary Landfill	Johor	Batu Pahat	6,397,000

* Government Planned Projects

Appendix 6D
Annex 1

OPTION A

No.	Type of SWM Facilities	State	Location	Intermediate Treatment Facility Capacity
				(Tonnes Per Day)
1	Transfer Station	Perlis	Kangar	110
2	Transfer Station	Kedah	Kulim	270
3	Transfer Station	Kedah	Sg. Petani	700
4	Transfer Station	P. Pinang	Seberang Perai Tengah	770
5	Transfer Station	P. Pinang	Pulau Pinang	300
6	Transfer Station	Perak	Tanjung Malim	80
7	Transfer Station	Perak	Manjung	270
8	Transfer Station	Perak	Ipoh	1,240
9	Transfer Station	Perak	Taiping	690
10	Transfer Station	Perak	Hilir Perak	180
11	Transfer Station	Selangor	Ampang Jaya	880
12	Transfer Station	Selangor	Klang	1,420
13	Transfer Station	Selangor	Petaling Jaya	2,780
14	Transfer Station	Selangor	Hulu Selangor	300
15	Transfer Station	Kuala Lumpur	Tmn Beringin	1,700
16	Transfer Station	Kuala Lumpur	Kuala Lumpur (S)	700
17	Transfer Station	Kelantan	Kota Bharu	840
18	Transfer Station	Kelantan	Kuala Krai Selatan	20
19	Transfer Station	Kelantan	Kuala Krai Utara	50
20	Transfer Station	Kelantan	Jeli	40
21	Transfer Station	Terengganu	Dungun	160
22	Transfer Station	Terengganu	Kemaman	140
23	Transfer Station	Terengganu	Hulu Terengganu	50
24	Transfer Station	Terengganu	Setiu	70
25	Transfer Station	Pahang	Bentong	80
26	Transfer Station	Pahang	Jerantut	40
27	Transfer Station	Pahang	Kuantan	420
28	Transfer Station	Pahang	Lipis	50
29	Transfer Station	Pahang	Pekan	50
30	Transfer Station	Pahang	Temerloh	120
31	Transfer Station	Pahang	Rompin	10
32	Transfer Station	Pahang	Maran	60
33	Transfer Station	Pahang	Bera	70
34	Transfer Station	N. Sembilan	Jelebu	40
35	Transfer Station	N. Sembilan	Kuala Pilah	70

Appendix 6D
Annex 1

No.	Type of SWM Facilities	State	Location	Intermediate Treatment Facility Capacity
36	Transfer Station	N. Sembilan	Port Dickson	160
37	Transfer Station	N. Sembilan	Tampin	80
38	Transfer Station	N. Sembilan	Jempol	80
39	Transfer Station	Melaka	Jasin	90
40	Transfer Station	Melaka	Melaka	610
41	Transfer Station	Johor	Batu Pahat	430
42	Transfer Station	Johor	Segamat Selatan	240
43	Transfer Station	Johor	Kluang Utara	300
44	Transfer Station	Johor	Johor Bahru (Taruka)	1520
45	Transfer Station	Johor	Pasir Gudang	160
46	Transfer Station	Johor	Kota Tinggi	130
47	Transfer Station	Johor	Desaru	40
48	Transfer Station	Johor	Mersing	80
49	Transfer Station	Johor	Muar Selatan	330
50	Transfer Station	Johor	Muar Utara	100
51	Transfer Station	Johor	Pontian	160
1	Thermal Treatment Plant	Kedah	P. Langkawi	16
2	Thermal Treatment Plant	P. Pinang	Pulau Pinang*	1,150
3	Thermal Treatment Plant	Perak	P. Pangkor*	8
4	Thermal Treatment Plant	Kuala Lumpur	Kg. Bohol*	1,200
5	Thermal Treatment Plant	Pahang	Cameron Highland*	30
6	Thermal Treatment Plant	Pahang	P. Tioman	6

* Government Planned Projects

**Appendix 6D
Annex 1****OPTION A**

No.	Type of Transport Vehicles	Year of Purchase	Number of Transport Vehicles
1	4-Tonne Compactor	2005	1,600
2	8-Tonne Compactor	2005	780
3	4-Tonne Compactor	2012	2,000
4	8-Tonne Compactor	2012	990
5	4-Tonne Compactor	2019	2,100
6	8-Tonne Compactor	2019	1,100
7	Haulage Truck	2005	320
8	Haulage Truck	2012	410
9	Haulage Truck	2019	430

Appendix 6D Annex 1

OPTION B

No.	Type of SWM Facilities	State	Location	Capacity (Years 2005 to 2020)
				(Tonnes)
1	Sanitary Landfill	Kedah	Baling	3,982,000
2	Sanitary Landfill	Kedah	Padang Terap	4,140,000
3	Sanitary Landfill	Kedah	P. Langkawi	78,000
4	Sanitary Landfill	P. Pinang	Pulau Burong	9,755,000
5	Sanitary Landfill	Perak	Kinta	8,586,000
6	Sanitary Landfill	Perak	P. Pangkor	3,000
7	Sanitary Landfill	Selangor	Rawang*	19,918,000
8	Sanitary Landfill	Selangor	Ulu Langat	24,256,000
9	Sanitary Landfill	Selangor	Sabak Bernam	813,000
10	Sanitary Landfill	Kelantan	Tanah Merah	5,228,000
11	Sanitary Landfill	Kelantan	Gua Musang	217,000
12	Sanitary Landfill	Terengganu	Kuala Terengganu	3,645,000
13	Sanitary Landfill	Terengganu	Besut	675,000
14	Sanitary Landfill	Pahang	Kuantan	2,744,000
15	Sanitary Landfill	Pahang	Maran	1,194,000
16	Sanitary Landfill	Pahang	Raub	878,000
17	Sanitary Landfill	Pahang	Rompin	670,000
18	Sanitary Landfill	Pahang	P. Tioman	2,000
19	Sanitary Landfill	N. Sembilan	Seremban	5,814,000
20	Sanitary Landfill	Melaka	Alor Gajah	3,407,000
21	Sanitary Landfill	Johor	Johor Bahru (Seelong)*	9,953,000
22	Sanitary Landfill	Johor	Batu Pahat	6,397,000

* Government Planned Projects

Appendix 6D
Annex 1

OPTION B

No.	Type of SWM Facilities	State	Location	Intermediate Treatment Facility Capacity
				(Tonnes Per Day)
1	Transfer Station	Perlis	Kangar	110
2	Transfer Station	Kedah	Kulim	270
3	Transfer Station	Kedah	Sg. Petani	700
4	Transfer Station	P. Pinang	Pulau Pinang	300
5	Transfer Station	Perak	Tanjung Malim	80
6	Transfer Station	Perak	Manjung	260
7	Transfer Station	Perak	Taiping	690
8	Transfer Station	Perak	Hilir Perak	180
9	Transfer Station	Selangor	Hulu Selangor	300
10	Transfer Station	Kuala Lumpur	Tmn Beringin	1,700
11	Transfer Station	Kuala Lumpur	Kuala Lumpur (S)	700
12	Transfer Station	Kelantan	Kota Bharu	840
13	Transfer Station	Kelantan	Kuala Krai Selatan	20
14	Transfer Station	Kelantan	Kuala Krai Utara	50
15	Transfer Station	Kelantan	Jeli	40
16	Transfer Station	Terengganu	Dungun	160
17	Transfer Station	Terengganu	Kemaman	140
18	Transfer Station	Terengganu	Hulu Terengganu	50
19	Transfer Station	Terengganu	Setiu	70
20	Transfer Station	Pahang	Bentong	80
21	Transfer Station	Pahang	Jerantut	40
22	Transfer Station	Pahang	Kuantan	420
23	Transfer Station	Pahang	Lipis	50
24	Transfer Station	Pahang	Pekan	50
25	Transfer Station	Pahang	Temerloh	120
26	Transfer Station	Pahang	Rompin	10
27	Transfer Station	Pahang	Maran	60
28	Transfer Station	Pahang	Bera	70
29	Transfer Station	N. Sembilan	Jejebu	40
30	Transfer Station	N. Sembilan	Kuala Pilah	70
31	Transfer Station	N. Sembilan	Port Dickson	160
32	Transfer Station	N. Sembilan	Tampin	70
33	Transfer Station	N. Sembilan	Jempol	80
34	Transfer Station	Melaka	Jasin	90
35	Transfer Station	Melaka	Melaka	610

Appendix 6D
Annex 1

No.	Type of SWM Facilities	State	Location	Intermediate Treatment Facility Capacity
36	Transfer Station	Johor	Batu Pahat	430
37	Transfer Station	Johor	Segamat Selatan	240
38	Transfer Station	Johor	Kluang Utara	300
39	Transfer Station	Johor	Pasir Gudang	160
40	Transfer Station	Johor	Kota Tinggi	130
41	Transfer Station	Johor	Desaru	40
42	Transfer Station	Johor	Mersing	80
43	Transfer Station	Johor	Muar Selatan	330
44	Transfer Station	Johor	Muar Utara	100
45	Transfer Station	Johor	Pontian	160
1	Material Recovery Facility	P. Pinang	Seberang Perai Tengah	770
2	Material Recovery Facility	Perak	Ipoh	1,240
3	Material Recovery Facility	Selangor	Gombak	1,860
4	Material Recovery Facility	Selangor	Kajang/WPPJ	1,690
5	Material Recovery Facility	Selangor	Petaling Jaya	2,780
6	Material Recovery Facility	Selangor	Klang	1,420
7	Material Recovery Facility	Johor	Johor Bahru	1,520
1	Thermal Treatment Plant	Kedah	P. Langkawi	16
2	Thermal Treatment Plant	P. Pinang	Pulau Pinang*	1,150
3	Thermal Treatment Plant	Perak	P. Pangkor	8
4	Thermal Treatment Plant	Kuala Lumpur	Kg. Bohol*	1,200
5	Thermal Treatment Plant	Pahang	Cameron Highland*	30
6	Thermal Treatment Plant	Pahang	P. Tioman	6

* Government Planned Projects

Appendix 6D
Annex 1**OPTION B**

No.	Type of Transport Vehicles	Year of Purchase	Number of Transport Vehicles
1	4-Tonne Compactor	2005	1,600
2	8-Tonne Compactor	2005	780
3	4-Tonne Compactor	2012	2,000
4	8-Tonne Compactor	2012	990
5	4-Tonne Compactor	2019	2,100
6	8-Tonne Compactor	2019	1,100
7	Haulage Truck	2005	340
8	Haulage Truck	2012	420
9	Haulage Truck	2019	450

Appendix 6D
Annex 1

OPTION C

No.	Type of SWM Facilities	State	Location	Capacity (Years 2005 to 2020)
				(Tonnes)
1	Sanitary Landfill	Kedah	Baling	3,982,000
2	Sanitary Landfill	Kedah	Padang Terap	4,140,000
3	Sanitary Landfill	Kedah	P. Langkawi	78,000
4	Sanitary Landfill	P. Pinang	Pulau Burong	9,755,000
5	Sanitary Landfill	Perak	Kinta	8,586,000
6	Sanitary Landfill	Perak	P. Pangkor	3,000
7	Sanitary Landfill	Selangor	Rawang*	19,918,000
8	Sanitary Landfill	Selangor	Ulu Langat	19,365,000
9	Sanitary Landfill	Selangor	Sabak Bernam	813,000
10	Sanitary Landfill	Kelantan	Tanah Merah	5,228,000
11	Sanitary Landfill	Kelantan	Gua Musang	217,000
12	Sanitary Landfill	Terengganu	Kuala Terengganu	3,645,000
13	Sanitary Landfill	Terengganu	Besut	675,000
14	Sanitary Landfill	Pahang	Kuantan	2,744,000
15	Sanitary Landfill	Pahang	Maran	1,194,000
16	Sanitary Landfill	Pahang	Raub	878,000
17	Sanitary Landfill	Pahang	Rompin	670,000
18	Sanitary Landfill	Pahang	P. Tioman	2,000
19	Sanitary Landfill	N. Sembilan	Seremban	5,814,000
20	Sanitary Landfill	Melaka	Alor Gajah	3,407,000
21	Sanitary Landfill	Johor	Johor Bahru (Seelong)*	5,330,000
22	Sanitary Landfill	Johor	Batu Pahat	6,397,000

* Government Planned Projects

Appendix 6D
Annex 1

OPTION C

No.	Type of SWM Facilities	State	Location	Intermediate Treatment Facility Capacity
				(Tonnes Per Day)
1	Transfer Station	Perlis	Kangar	110
2	Transfer Station	Kedah	Kulim	270
3	Transfer Station	Kedah	Sg. Petani	700
4	Transfer Station	P. Pinang	Pulau Pinang	300
5	Transfer Station	Perak	Tanjung Malim	80
6	Transfer Station	Perak	Manjung	260
7	Transfer Station	Perak	Taiping	690
8	Transfer Station	Perak	Hilir Perak	180
9	Transfer Station	Selangor	Hulu Selangor	300
10	Transfer Station	Kuala Lumpur	Tmn Beringin	1,700
11	Transfer Station	Kuala Lumpur	Kuala Lumpur (S)	700
12	Transfer Station	Kelantan	Kota Bharu	840
13	Transfer Station	Kelantan	Kuala Krai Selatan	20
14	Transfer Station	Kelantan	Kuala Krai Utara	50
15	Transfer Station	Kelantan	Jeli	40
16	Transfer Station	Terengganu	Dungun	160
17	Transfer Station	Terengganu	Kemaman	140
18	Transfer Station	Terengganu	Hulu Terengganu	50
19	Transfer Station	Terengganu	Setiu	70
20	Transfer Station	Pahang	Bentong	80
21	Transfer Station	Pahang	Jerantut	40
22	Transfer Station	Pahang	Kuantan	420
23	Transfer Station	Pahang	Lipis	50
24	Transfer Station	Pahang	Pekan	50
25	Transfer Station	Pahang	Temerloh	120
26	Transfer Station	Pahang	Rompin	10
27	Transfer Station	Pahang	Maran	60
28	Transfer Station	Pahang	Bera	70
29	Transfer Station	N. Sembilan	Jejebu	40
30	Transfer Station	N. Sembilan	Kuala Pilah	70
31	Transfer Station	N. Sembilan	Port Dickson	160
32	Transfer Station	N. Sembilan	Tampin	70
33	Transfer Station	N. Sembilan	Jempol	80
34	Transfer Station	Melaka	Jasin	90
35	Transfer Station	Melaka	Melaka	610

Appendix 6D
Annex 1

No.	Type of SWM Facilities	State	Location	Intermediate Treatment Facility Capacity
36	Transfer Station	Johor	Batu Pahat	430
37	Transfer Station	Johor	Segamat Selatan	240
38	Transfer Station	Johor	Kluang Utara	300
39	Transfer Station	Johor	Pasir Gudang	160
40	Transfer Station	Johor	Kota Tinggi	130
41	Transfer Station	Johor	Desaru	40
42	Transfer Station	Johor	Mersing	80
43	Transfer Station	Johor	Muar Selatan	330
44	Transfer Station	Johor	Muar Utara	100
45	Transfer Station	Johor	Pontian	160
1	Material Recovery Facility	P. Pinang	Seberang Perai Tengah	770
2	Material Recovery Facility	Perak	Ipoh	1,240
3	Material Recovery Facility	Selangor	Gombak	1,860
4	Material Recovery Facility	Selangor	Petaling Jaya	2,780
5	Material Recovery Facility	Selangor	Klang	1,420
1	Thermal Treatment Plant	Kedah	P. Langkawi	16
2	Thermal Treatment Plant	P. Pinang	Pulau Pinang*	1,150
3	Thermal Treatment Plant	Perak	P. Pangkor	8
4	Thermal Treatment Plant	Selangor	Kajang	1,830
5	Thermal Treatment Plant	Kuala Lumpur	Kg. Bohol*	1,200
6	Thermal Treatment Plant	Pahang	Cameron Highland*	30
7	Thermal Treatment Plant	Pahang	P. Tioman	6
8	Thermal Treatment Plant	Johor	Johor Bahru	1,780

* Government Planned Projects

Appendix 6D
Annex 1**OPTION C**

No.	Type of Transport Vehicles	Year of Purchase	Number of Transport Vehicles
1	4-Tonne Compactor	2005	1,600
2	8-Tonne Compactor	2005	780
3	4-Tonne Compactor	2012	2,000
4	8-Tonne Compactor	2012	990
5	4-Tonne Compactor	2019	2,100
6	8-Tonne Compactor	2019	1,100
7	Haulage Truck	2005	307
8	Haulage Truck	2012	386
9	Haulage Truck	2019	409