



# MEETING OF THE INTERNATIONAL E-WASTE MANAGEMENT NETWORK

## DEPARTMENT OF ENVIRONMENT MALAYSIA

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# INTRODUCTION & BACKGROUND

- ✓ E-waste has been regulated in Malaysia since 2005;
- ✓ Environmental Quality (Scheduled Wastes) Regulations, 2005. This regulation has included e-waste as scheduled wastes;
- ✓ The 2005 regulation has replaced the 1989 regulation to enable Malaysia to control transboundary movement of e-waste;
- ✓ Guidelines for the Classification of Used Electrical and Electronic Equipment in Malaysia”, 2<sup>nd</sup> Edition 2010; and
- ✓ Environmental Quality (Prescribed Premises) (Treatment Disposal Facilities for Scheduled Wastes) Regulations, 1989(control on collection, treatment, recycling and disposal of scheduled waste including e-waste).

# DEFINITIONS

- Definition of scheduled wastes – any wastes falling within the category of of waste listed in the First Schedule, Environmental Quality (Scheduled Waste) Regulations 2005.
- Scheduled wastes have been categorized based on type of waste. Currently, there are 77 categories of scheduled wastes which are grouped into 5. This includes e-wastes, used oil, clinical waste, sludges from wastewater treatment plant containing heavy metal, used solvent, used lead acid batteries, waste containing PCB or PCT, wastes from the production, formulation trade or use of pesticides, herbicides or biocides, etc.



**SW103 : Waste of batteries containing cadmium and nickel or mercury or lithium**

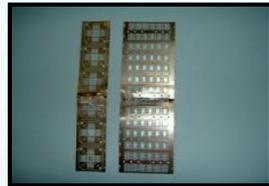
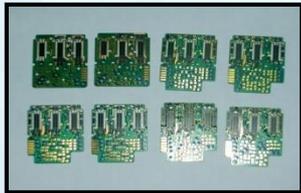


**SW109 : Waste containing mercury and its compound**



**SW110 : Waste from electrical and electronic assemblies containing components such as accumulators, mercury-switches, glass from cathode-ray tubes and other activated glass or polychlorinated biphenyl-capacitors, or contaminated with cadmium, mercury, lead, nickel, chromium, copper, lithium, silver, manganese or polychlorinated biphenyls**

# E-WASTE MANAGEMENT IN MALAYSIA



Industries

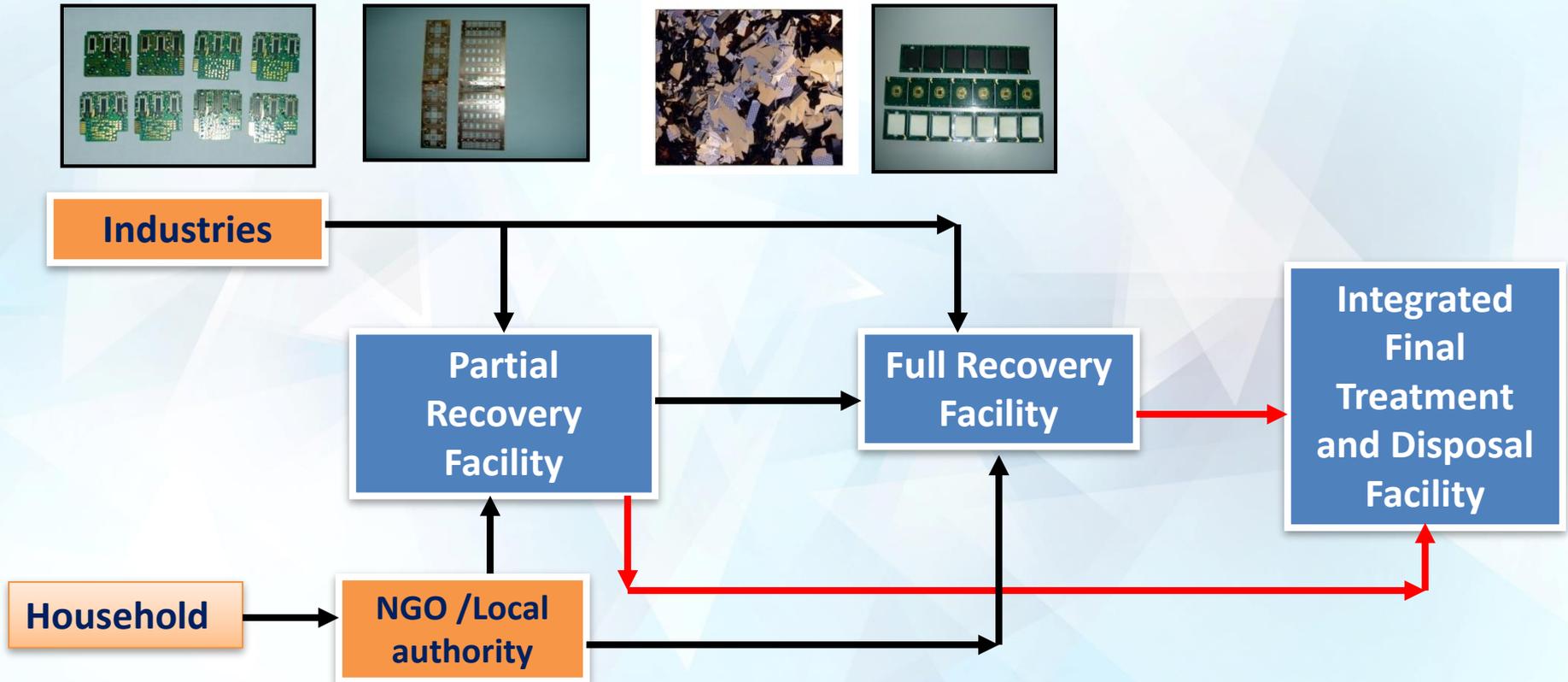
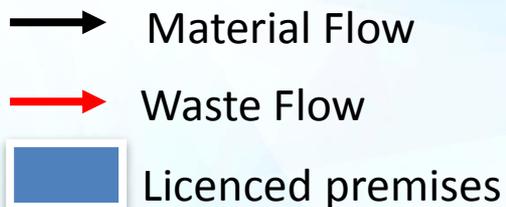
Partial  
Recovery  
Facility

Full Recovery  
Facility

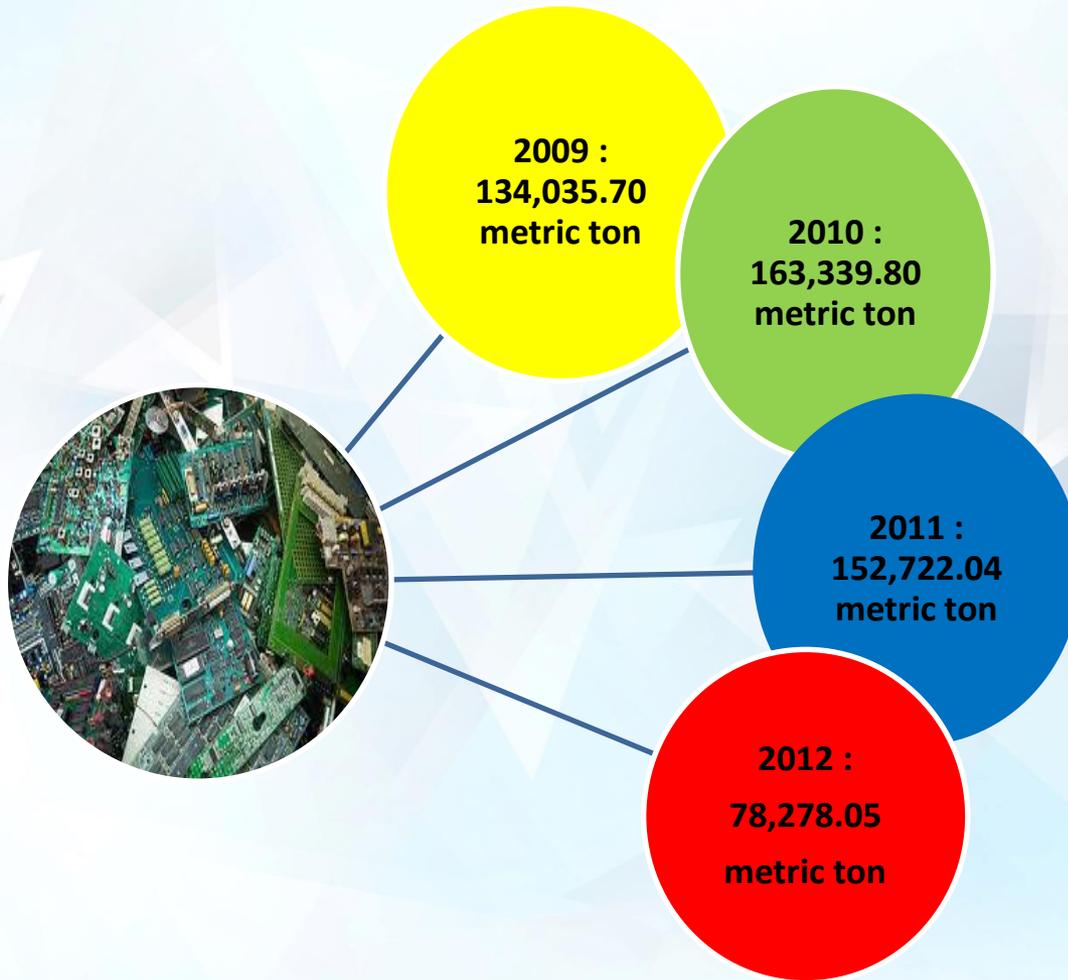
Integrated  
Final  
Treatment  
and Disposal  
Facility

Household

NGO /Local  
authority



# QUANTITY OF E-WASTE GENERATED BY INDUSTRIES IN MALAYSIA

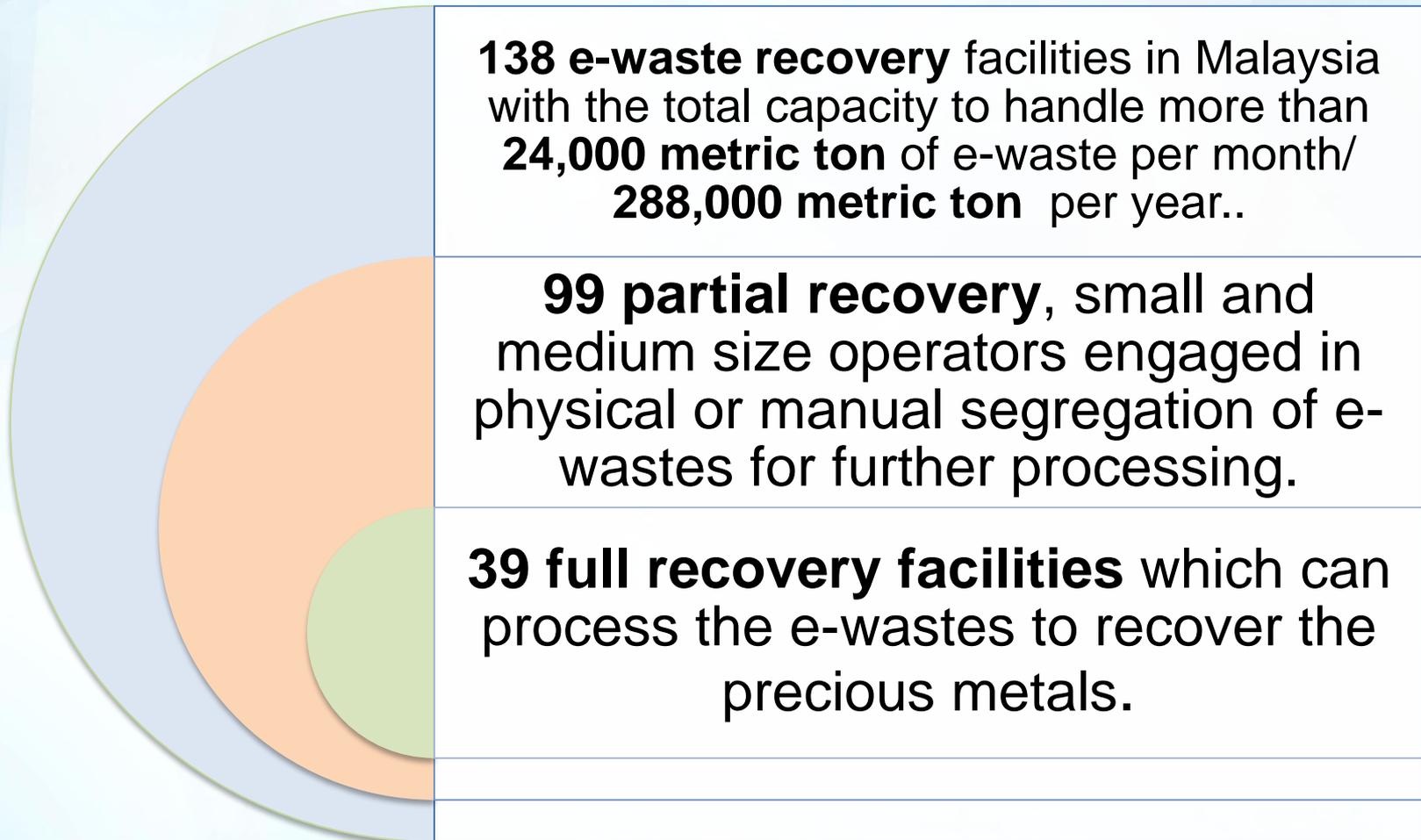


# POLICIES ON E-WASTES

## DEVELOPMENT OF POLICIES AND GUIDELINES

- i. Malaysia does not allow the importation of hazardous waste including e-waste into the country;
- ii. Malaysia does allow importation of used electronic and electrical equipment into country for direct reuse, provided such equipment shall not be more than three years from the date of its manufacture
- iii. The import of e-waste for recovery or disposal is disallowed
- iv. This policy is described under the “Guidelines for the Classification of Used Electrical and Electronic Equipment in Malaysia”, published by the DOE in 2010.
- v. Since there are already recovery facilities established in Malaysia to process and recovery useful materials from e- wastes, it is also the policy of the Government of Malaysia not to allow e-wastes to be exported out of the country
- vi. Malaysia will only allow the exportation of e- wastes for recovery in overseas, if the local recovery facilities do not have capability and capacity to carry out such activity.
- vii. Before DOE can allow e-wastes to be exported, the e-wastes generator (not the contractor) must submit their proves.
- viii. The consideration for such exportation is based on case-by-case basis and the exportation of e-wastes for final disposal is totally not allowed

# E- WASTE RECOVERY FACILITIES IN MALAYSIA



# LIST OF E-WASTE COLLECTION CENTRES

No.	STATE	OPERATORS	LOCATION OF E-WASTE COLLECTION CENTRES
1	PULAU PINANG	LOCAL AUTHORITIES: MAJLIS PERBANDARAN PULAU PINANG	Sunshine Jelutong, 9-27, Jalan Lenggong, 11600 Jelutong
2			Sunshine Farlim Hypermarket, No.1, Lintang Kg. Melayu, Bandar Baru Ayer Itam (Farlim)
3			Stor Pembersihan Kg. Jawa Baru, MPPP Stor
4			Bahagian Perkhidmatan Perbandaran, MPPP, Jalan Padang Kota Lama
5			Jalan Chai, Balik Pulau, MPPP Kontena Jalan Chai
6			Oldham, Tg. Bunga, MPPP Kontena Jalan Oldham
7			Taman Bertam Indah, Kepala Batas
8			Taman Pandan, Butterworth
9			Jalan Mohd Saad, Butterworth
10			Taman Sri Kijang, Alma, Bukit Mertajam
11		Taman Kota Permai, Bukit Mertajam	
12		Taman Bukit Indah, Jalan Kulim, Bkt. Mertajam	
13		Taman Sri Rambai Fasa 4, Bukit Mertajam	
14		Bandar Tasek Mutiara, Simpang Ampat	
15		Taman Merak, Simpang Ampat	
16		Taman Rupawan, Kepala Batas	
17		Apartment Permata, Bandar Perda	
18		Taman Sri Rambai Fasa 1 & 2, Bkt. Mertajam	
19		Taman Keenways, Bukit Mertajam	
20		Taman Ara Indah	
21		Taman Makok, Bukit Mertajam	
22		Taman Duku, Bukit Mertajam	
23		Taman Sentul Jaya, Juru	
24		Perkampungan Juru, Juru	
25		Taman Chuan Liew, BM	
26		Taman Bukit Indah	
27		Gereja St. Ann, BM	
28		Taman Sukun, BM	
29		Taman Ara Indah	
30		Gereja Baptist, Prai	
31		Taman Meranti, Bagam Ajam	
32		BAKAT TUDM, Butterworth	
33		NBVM 3R Committee, Jln. Chain Ferry	
34		Taman Bunga Raya, Raja Uda	
35		Taman Gemilang Semarang	
36	Jusco Taman Universiti		
37	Pelangi Leisure Mall		
38	Taman Setia Indah		
39	Taman Bukit Indah		
40	Taman Melodies, Johor Bahru		
41	Taman Orkid, Muar		
42	Taman Damai, Muar		
43	Jaya Jusco Ayer Keroh		
44	Taman Desa Baru		
45	Taman Sentosa		
46	Jusco Seremban 2		
47	Taman Oakland, Seremban		
48	Seremban Centre Point		
49	Taman Arowana Impian, Seremban		
50	PASAR MODEN CHERAS (FRC), Tempat letak kereta		
51	MIDVALLEY MEGAMALL (FRC), Zone A, P1 Parking Lobby, South Court		
52	JAYA JUSCO TAMAN MALURI (FRC)		
53	CARREFOUR, WANGSA MAJU (FRC)		
54	PLAZA MONT KIARA (MRC), Sunrise Fun Zone Community Centre		
55	BANGSAR PARK (MRC), Lorong Maarof 3 (Di depan Restoran Kausi)		
56	JAYA JUSCO METRO PRIMA		
57	ALAM FLORA SDN BHD		
58	BUKIT DAMANSARA (MRC), Di depan Bismi Minimart – Plaza Damansara		
59	PANTAI HILLPARK CONDO BANGSAR (MRC)		
60	TAMARIND CONDOMINIUM (MRC), Bandar Baru Sentul		
61	THAM WAH WAN TEMPLE (MRC), Jalan Klang Lama – Temple Parking area		
62	VILLA FLORA, TTDI (MRC), Level 2, Management Office area		
63	TAMAN TUN DR ISMAIL (MRC), ESSO Station - Jalan Burhanuddin Helmi		
63	TAMAN TUNKU APARTMENTS, JALAN LANGGAK TUNKU, BUKIT TUNKU (MRC), Tempat letak kereta		

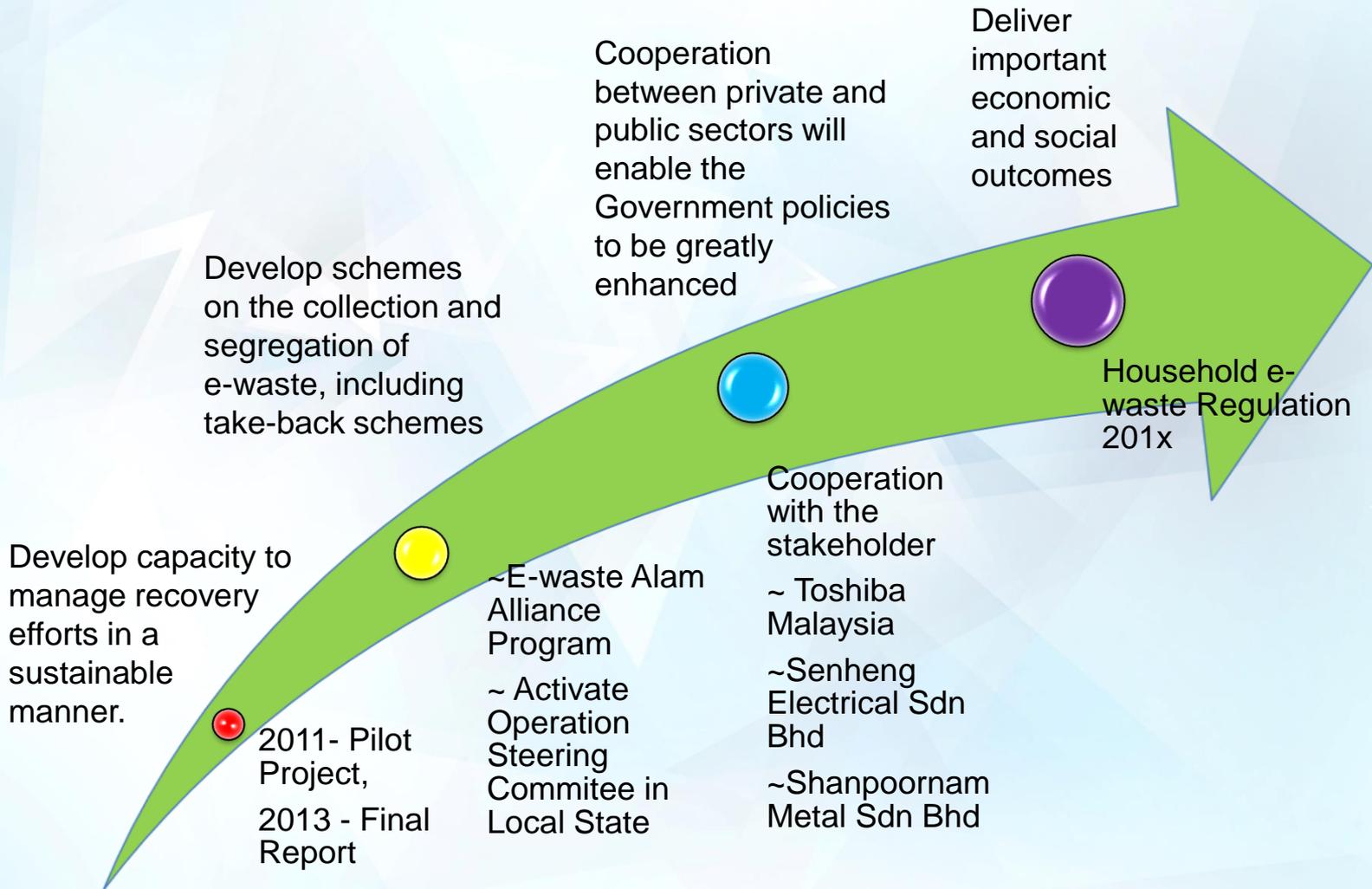
No.	STATE	OPERATORS	LOCATION OF E-WASTE COLLECTION CENTRES
64	SELANGOR	ALAM FLORA SDN BHD	TAMAN SRI GOMBAK (FRC), Tempat letak kereta (Di depan CIMB), Selayang
65			Pusat membeli belah GIANT (FRC), Selayang
66			KOMPLEKS MUHIBBAH, TAMAN NIRWANA, AMPANG (FRC), Ampang Jaya
67			TOWN PARK, PANDAN INDAH (FRC), Ampang Jaya
68			SUNWAY PYRAMID (FRC)
69			MENARA SUNWAY (MRC)
70			CARREFOUR SUBANG JAYA (FRC), Subang Jaya
71			DAMANSARA JAYA (FRC), Jln SS22/47, Damansara Jaya, Petaling Jaya
72			SS3 RESIDENT ASSOCIATION (FRC), Resident Association Center, Jalan SS3/14, Petaling Jaya
73			ASRAMA PUSAT SRI TANJUNG CAR PARK (MRC), Shah Alam
74			PEKAN SUNGAI BESAR (MRC), Lot PT 6216, Jalan Bunga Raya Besar, Shah Alam
75			SEKSYEN 11 (FRC), Bersebelahan dengan dewan serbaguna, Shah Alam
76			WISMA DRB-HICOM (MRC), Tempat letak kereta, Shah Alam
77			KOTA KEMUNING RESIDENT ASSOC. (MRC), MBSA dewan serbaguna, Seksyen 31/69, Shah Alam
78			Pasar Awam Presint 16 (FRC)
79			PRESINT 8 Dewan Serbaguna (FRC)
80			JAYA JUSCO CHERAS SELATAN (FRC)
81	Kompleks Kejrangan Presint 9, Putrajaya (bertentangan Medan Selera Seri Teja) (MRC)		
82	P11A1/1, Presint 11, Putrajaya (MRC)		
83	Taman Sepekan Jaya (Run By Private) – FRC, Pekan		
84	Taman Sri Maulana (FRC), Pekan		
85	Di depan Bank Islam, Jalan Dato Bahaman, Temerloh (FRC), Temerloh		
86	Jalan Haji Kassim, 28400 Mentakab (FRC), Temerloh		
87	Pasar Besar Maran, 26500 Maran (FRC), Temerloh		
88	Terminal Bas, Nadi Kota, 26400 Jengka (FRC), Temerloh		
89	Pasar Besar Jerantut, 27000 Jerantut (FRC), Temerloh		
90	Sebelah Pejabat AFSB KERAYONG, BERA (FRC), Temerloh		
91	Perkarangan Masjid Bentong, Bentong		
92	Depo Chamang, Bentong		
93	Dataran Karak Carpark Area (MRC), Bentong		
94	Kawasan Tanah Rata (Pasar Tanah Rata) (FRC), Cameron Highlands		

For a complete list of e-waste collection centres, please refer to Department of Environment's website at [www.doe.gov.my](http://www.doe.gov.my).

# RELATED AGENCIES

- National Solid Waste Management Department (NSWMD)
- Local States
- Local Authorities
- Municipal Council
- NGO

# TRANSFORMATIVE OF E-WASTE MANAGEMENT



# HOUSEHOLD E-WASTE WAY FORWARD



## E-WASTE ALAM ALLIANCE PROGRAMME

- Establishment of E-waste Alam Alliance is a follow-up of a pilot project 'The Development Model For E-Waste Collection, Segregation & Transportation from Household For Recycling' which was carried out in Penang under the sponsorship of the Japan International Cooperation Agency (JICA) with the cooperation between DOE Penang and Penang Municipal Council.
- E-waste Alam Alliance Program was officially launched on December 11, 2013 by the Deputy Minister of Natural Resources and Environment Dato 'Sri Dr. James Dawos Mamit.



# E-WASTE ALAM ALLIANCE PROGRAMME

The quantity of household e-waste collected by Shanpoornam Metal Sdn Bhd through the take back program and corporations by Senheng and Toshiba under the e-waste Alam Alliance Program. This information is submitted to DOE HQ for record purposes and to ensure the sustainability of E-waste Alam Alliance program.

Toshiba (Malaysia)		
Year Month	2013 Quantity(Kg)	2014 Quantity (Kg)
January	185	239
February	109	400
March	174.4	71
April	46	
May	0	
Jun	0	
July	62	
August	0	
September	0	
October	0	
November	1700	
December	3254.4	
<b>Total</b>	<b>5530.8</b>	<b>710</b>
<b>Overall Total</b>	<b>6,240.8</b>	

Senheng Electric Sdn. Bhd.	
Year2014 (Month)	Quantity(Kg)
January	2,599
February	1,318
March	3,140
<b>Total</b>	<b>7,057</b>

Grand Total  
13,297.8 kg



# **THANK YOU**



**Help keep electronic waste from growing.**