

Table A2 Construction cost and O&M cost for similar plants

No.	Year	Area	Country	Construction cost of a corresponding waste treatment facility			O&M cost of a corresponding waste treatment facility			Remarks	Source
				Incineration (million baht t ⁻¹ day ⁻¹)	Compost (million baht t ⁻¹ day ⁻¹)	Landfill (baht t ⁻¹)	Incineration (baht t ⁻¹ year ⁻¹)	Compost (baht t ⁻¹ year ⁻¹)	Landfill (baht t ⁻¹ year ⁻¹)		
1	1990	Bangkok (unit cost used for this study)	Thailand	3.1*	0.4	193*	714*	243*	79*	See Table 3	
2	2000	Bangkok (unit cost used for this study)		3.2*	0.6*	364*	814*	371*	114*	See Table 3	
3	2012	Bangkok (unit cost used for this study)		1.8*	1.8*	571*	1,129*	486*	150*	See Table 3	
4	2010	Phuket		1.6						940 million baht, 300 t day ⁻¹ 2	Phuket Gazette (2010) Construction of new Phuket incinerator underway
5	1998	Phuket		3.1						Construction:780 million baht, 250 t day ⁻¹	E&E Solution (2012) Feasibility study for expanding waste recycling industry in the world, integrated waste treatment facilities for waste from BMR, Thailand.
6	2012	Phuket					857			O&M: 60 million baht year ⁻¹	
7	1997	Samui		3.6			1,276			501 million baht, 140 t day ⁻¹ , 50 million baht year ⁻¹	Greenpeace Southeast Asia – Briefing Paper: Incinerators in Thailand: Profile of Koh Samui incinerator http://www.greenpeace.org/seasia/th/Global/seasia/report/2008/2/incinerators-in-thailand.pdf
8	1998-2003	Seansuk				632					JICA external review (2006) The Environmental Fund Project (1) (L/A No. TXVIII-11)
9	1998-2003	Sadao				1,037					
10	1998-2003	Samut				337					
11	1998-2003	Nakhon Panom				108					
12	1998-2003	Bang Kla				177					
13	1998-2003	Warin Chumrab				687					
14	1998-2003	Buri Ram				400					
15	1998-2003	Kohn Kaen				46					
16	1998-2003	Yasothon				334					
17	1998-2003	Si Sa Ket				332					
18	1998-2003	Sena				511					
19	1998-2003	Maha Sarakham				44					
20	1998-2003	Chumpon				211					
21	1998-2003	Pattaya				64					
22	1998-2003	Sukhothai Thani				235					
23	1998-2003	Taklee				526					
24	1998-2003	Chiang Yun				932					
25	1998-2003	Bethong				2,562					
26	1998-2003	Pattani				274					
27	1998-2003	Trat				330					
28	1998-2003	Klang				310					
29	1998-2003	Yala				500					
30	2006	Puket					623 ¹				Chanchampee P. (2010) Methods for evaluation of waste management in Thailand in consideration of policy, environmental impact and economics, PhD thesis, Technical University of Berlin, Berlin, Germany
31	2006	Bangkok						435 ¹			
32	2010	Surat Thanit							227		
33	2010	Ang Thong							120		
34	2010	Wiang Fang							311		
35	2010	SDA-Kud Khao, Khonkaen							24		

36	2010	Bantar Gebang	Indonesia		0.4			326		10,859 US dollar t ⁻¹ day ⁻¹ , exchange rate is 0.027(US dollar baht ⁻¹) ³ Tipping fee is 11 US dollar t ⁻¹ (80% of it is used for operation)	Pandiyaswargo A. H. and Premakumara D. G. J (2014) Financial sustainability of modern composting: the economically optimal scale for municipal waste composting plant in developing Asia, Int J Recycl Org Waste Agricult 3:66 DOI 10.1007/s40093-014-0066-y
37	2012	Nangong	China		2.1			587		72,282 US dollar t ⁻¹ day ⁻¹ , exchange rate is 0.027(US dollar baht ⁻¹) O&M cost is 15.86 US dollar t ⁻¹	
38	2012	Vientiane	Lao PDR		0.3	120-158		26	4.6-5.8		EX Research Institute Ltd. (2012) Introduction of mechanical biological treatment (MBT) of municipal solid waste, and landfill gas (LFG) capture, flaring and utilization in Lao PDR
Average					2.8	0.9	382 ^{*2}	919	344	171	
Average×1.5					4.2	1.4	573	1,378	515	256	
Average×0.5					1.4	0.5	191	459	172	85	

* The estimates fall within plus or minus 50% of the average unit cost of the existing plant.

*1 Excluding capital assets

*2 Excluding Bethong