



	UNIT
1	Reception
2	Preparation system
3	Pulper
4	Grit removal system
5	Suspension buffer tank
6	Heat Exchangers (Recovery)
7	Heat Exchangers (Heating)
8	Hygienisation
9	Separator
10	Composting system
11 / 12	WWTP
13	3 x Digesters
14	Flare
15	Gascleaning system
16	Gasholders
17	Gas Compressor
18	CHP
19.1-2-3	Ventilator
20	PH adjustment
21	Ozone / UV
22	Carbon filter
23	Chimney

Notes

Key to symbols

—	Waste
- - -	Exhaust Gas
- - -	Biogas
- - -	Vent. air
- - -	Sludge
- - -	Process air
- - -	Waste water
- - -	Bulking material

Reference drawings

P1	MAY 13	MING	FIRST ISSUE	MR	AFK
Rev	Date	Drawn	Description	Ch'k'd	App'd



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The Government of the Hong Kong
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Project

AGREEMENT NO. CE34/2011(EP)
DEVELOPMENT OF ORGANIC WASTE
TREATMENT FACILITIES PHASE 2 -
FEASIBILITY STUDY

Title

PROCESS FLOW DIAGRAM
BIOGAS OPTION Bii
(CHP / GAS EXPORT)

Designed	MR	Eng check	AT
Drawn	MING	Coordination	AT
Dwg check	MR	Approved	AFK
Scale at A1	-	Status	Rev
		PRE	P1

Drawing Number

FIGURE 2.3bii