

## WASTE-TO-ENERGY PROJECTS

### 1.2 PROJECT COMPONENTS

**Project type:**

Facilities <i>(please enumerate; use separate sheet, if necessary)</i>	No. of Units	Capacity (tons/hour)/Area (square meters)	Specification/ Description
1. Main components			
a. Power Generation Facility			
b. Biogas recovery facility			
c. Biogas and composting facility			
d. Material storage/ facility for:			
i. Raw Materials (e.g. Biomass)			
ii. Fuel			
iii. Lubricants and similar materials			
iv. Others, specify			
e. Materials preparation and handling (e.g., screening, sorting, etc.)			
f. Power substations/switch yard			
g. Power transmission lines			
2. Support Facilities			

a. Control room			
b. Admin support (e.g., canteen, office, clinic, quarters, etc.)			
c. Motor pool			
d. Others, specify			
3. Pollution control facilities/waste management facilities			
a. Waste water management facility			
b. Air pollution control facility			
c. Solid waste management facility			
4. Drainage system			
5. Others, specify			
6. Others, specify			
7. Others, specify			
8. Others, specify			
9. Others, specify			

### 1.3 UTILITIES/REQUIREMENTS (Operation Phase):

#### Power/Energy and Water Requirements

Utilities	Estimated Demand/ Consumption (Total)	Source Breakdown	Projected Amount from Source specified
Power/Electricity	KWh	Grid	KWh
		Generator Set	KWh
		Others, please specify:	KWh
Water	m3/day	Local Water Utility Provider	m3/day
		Well in: (specify location):	m3/day
		Spring in: (specify location):	m3/day
		River, Lake or other surface water : (specify name & location)	m3/day
		Others, please specify:	m3/day

**Power/Energy and Water Efficiency Measures (if any)**

Utilities	Proposed Efficiency/Conservation Measures	Estimated Savings for each Measure	Estimated Total Savings
Power/ Electricity		KWh	KWh
		KWh	
Water	Rainwater collection system with total capacity of	m <sup>3</sup> /day	m <sup>3</sup> /day
	Others, please specify:	m <sup>3</sup> /day	

**1.4 MANPOWER AND TIMELINES OF PROJECT PHASES**

Proposed start of Construction

Proposed start of Commissioning

Proposed start of Commercial Operation

Phase	Expertise/Skills	Requirement per Expertise/Skill	Total Requirement per project phase
a. Construction			
b. Operation			


1.5 INDICATIVE PROJECT COST

PhP

US \$

(specify if with foreign investment)