

## THERMAL POWER PLANT PROJECTS (EXCEPT GEOTHERMAL)

### 1.2 PROJECT COMPONENTS

**Project type:**

<b>Facilities</b> <i>(please enumerate; use separate sheet, if necessary)</i>	<b>No. of Units</b>	<b>Capacity (tons/hour)/Area (square meters)</b>	<b>Specifications/Description/</b>
I. Main components			
1. Heat Recovery Steam Generators			
2. Steam Turbines			
3. Cooling System			
4. water treatment plant			
5. Material storage/ facility for:			
i. Fuel			
ii. Lubricants and similar materials			
iii. Raw materials			
iv. Others, specify			
6. Power substations/switchyard			
7. Power transmission lines			
8. Fuel Cell components			
II. Support Facilities			

1. Cooling Water Intake Piping			
2. Cooling Water Discharge Outlet			
3. Emergency Generator set			
4. Jetty			
5. Laboratory			
6. Control Building			
7. Motor pool			
8. Office Building			
9. canteen			
10. Dormitory/accommodation building			
11. Others, specify			
III. Pollution control facilities/waste management facilities			
a. Wastewater management facility			
i. For process wastewater			
ii. For domestic wastewater			

b. Air pollution control facility			
c. Solid waste management facility			
d. Hazardous waste management facility			
IV. Drainage system			
V. 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

#### Energy/Power 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)