

## Rapid Environmental Assessment (REA) Checklist

### THERMAL POWER PLANTS

#### Instructions:

- 1 This checklist is to be prepared to support the environmental classification of a project. It is to be attached to the environmental categorization form that is to be prepared and submitted to the Chief Compliance Officer of the Regional and Sustainable Development Department.
- 1 This checklist is to be completed with the assistance of an Environment Specialist in a Regional Department.
- 1 This checklist focuses on environmental issues and concerns. To ensure that social dimensions are adequately considered, refer also to ADB checklists and handbooks on (i) involuntary resettlement, (ii) indigenous peoples planning, (iii) poverty reduction, (iv) participation, and (v) gender and development.
- 1 Answer the questions assuming the “without mitigation” case. The purpose is to identify potential impacts. Use the “remarks” section to discuss any anticipated mitigation measures.

Country/Project Title:

Sector Division:

SCREENING QUESTIONS	Yes	No	REMARKS
<b>A. Project Siting</b>			
Is the Project area adjacent to or within any of the following environmentally sensitive areas?			
▪ Cultural heritage site	<input type="checkbox"/>	<input type="checkbox"/>	
▪ Protected Area	<input type="checkbox"/>	<input type="checkbox"/>	
▪ Wetland	<input type="checkbox"/>	<input type="checkbox"/>	
▪ Mangrove	<input type="checkbox"/>	<input type="checkbox"/>	
▪ Estuarine	<input type="checkbox"/>	<input type="checkbox"/>	
▪ Buffer zone of protected area	<input type="checkbox"/>	<input type="checkbox"/>	
▪ Special area for protecting biodiversity	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B. Potential Environmental Impacts</b>			
Will the Project cause...			
▪ impairment of historical/cultural monuments and other areas, and loss/damage to these sites?	<input type="checkbox"/>	<input type="checkbox"/>	

SCREENING QUESTIONS	Yes	No	REMARKS
▪ encroachment into precious ecosystem (e.g. sensitive habitats like protected forest areas or terrestrial wildlife habitats?)	<input type="checkbox"/>	<input type="checkbox"/>	
▪ dislocation or involuntary resettlement of people?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ aesthetic degradation and property value loss due to establishment of plant and ancillary facilities?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ social conflicts between construction workers from other areas and community workers?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ noise and dust from construction activities?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ short-term soil erosion and silt runoff due to construction?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ fugitive dust during transportation, unloading, storage, and processing of coal, and polluted runoff from coal storage?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ risk of oil spills, which could pollute surface and groundwater and soil?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ hazards in gas pipeline operation and gas storage at power plant sites?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ changes in flow regimes downstream of the water intake due to abstraction for cooling purposes?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ pollution of water bodies and aquatic ecosystem from wastewater treatment plant for boiler feed, bleed-off from cooling towers, boiler blowdown and wash-water, and effluent from ash pond?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ air pollution from fuel gas discharged into the atmosphere?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ public health and safety hazards due to solid waste disposal in sanitary landfills (see Matrix of Impacts and Measures for Solid Waste Disposal)?	<input type="checkbox"/>	<input type="checkbox"/>	