

Rapid Environmental Assessment (REA) Checklist

HYDROPOWER

- Instructions:**
- ❑ 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
 - ❑ This checklist is to be completed with the assistance of an Environment Specialist in a Regional Department.
 - ❑ 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.
 - ❑ 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
A. Project Siting 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. Potential Environmental Impacts Will the Project cause...			
▪ loss of precious ecological values due to flooding of agricultural/forest areas, and wild lands and wildlife habitat; destruction of fish spawning/breeding and nursery grounds, and disruption of fish migration routes?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ loss of archaeological, historical or cultural monuments?	<input type="checkbox"/>	<input type="checkbox"/>	

SCREENING QUESTIONS	Yes	No	REMARKS
▪ dislocation or involuntary resettlement of people?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ disruption/destruction of tribal groups/indigenous peoples?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ environmental degradation from increased pressure on land?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ conflicts on water supply rights, and related social conflicts?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ decreased production from capture fisheries due to submersion of river stretches and associated flood channels, and resultant destruction of fish breeding and nursery grounds?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ proliferation of aquatic weeds in reservoir and downstream impairing dam discharge, irrigation systems, navigation and fisheries, and increasing water loss through transpiration?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ scouring of riverbed below dam?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ increased incidence of waterborne or water-related diseases?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ depletion of dissolved oxygen by large quantities of decaying plant material, fish mortality due to reduced dissolved oxygen content in water, algal blooms causing successive and temporary eutrophication, growth and proliferation of aquatic weeds?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ deterioration of water quality in reservoir?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ decline or change in the fisheries below dams due to reduced peak flows and floods and water quality changes?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ loss of migratory fish species due to the impediment posed by the dam?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ formation of sediment deposits at reservoir entrance, creating backwater effect and flooding and waterlogging upstream?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ sedimentation of reservoir and loss of storage capacity?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ alteration of water quality due to evaporation in reservoir, lowered temperatures during low flow periods, silt concentration in density currents, low dissolved oxygen, and high levels of iron and manganese?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ salinization of floodplain lands and saltwater intrusion in estuary and upstream?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ decrease in floodplain agriculture?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ introduction or increase in incidence of waterborne or water-related diseases?	<input type="checkbox"/>	<input type="checkbox"/>	
▪ environmental problems arising from uncontrolled human migration into the area, made possible by access roads and transmission lines?	<input type="checkbox"/>	<input type="checkbox"/>	

