# Environmental Checklist: 17. Forestry (1)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
	(1) EIA and Environmental Permits	(b) Have EIA reports been approved by authorities of the host country's government?	(b) (c)	(a) (b) (c) (d)
	(2) Explanation to the Local Stakeholders	<ul> <li>(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders?</li> <li>(b) Have the comment from the stakeholders (such as local residents) been reflected to the project design?</li> </ul>		(a) (b)
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)	(a)
	(1) Air Quality	(a) Do air pollutants, such as dust, soot and dust, sulfur oxides (SOx), nitrogen oxides (NOx), and organic chemical substances emitted from various sources, such as logging operations, forest products manufacturing processes, and incinerators comply with the country's emission standards and ambient air quality standards? Are any mitigating measures taken?	(a)	(a)
	(2) Water Quality	(a) Is there a possibility that the use of chemicals, such as fertilizers, and		(a) (b)
	(3) Wastes	(a) Are wastes properly treated and disposed of in accordance with the country's regulations?	(a)	(a)
	(4) Soil Contamination	(a) Are adequate measures taken to prevent contamination of soil and		(a) (b)

# Environmental Checklist: 17. Forestry (2)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
	(1) Protected Areas	<ul> <li>(a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions?</li> <li>Is there a possibility that the project will affect the protected areas?</li> </ul>	(a)	(a)
	(2) Ecosystem	ecologically valuable habitats (e.g., coral reefs, mangroves, or tidal flats)? (b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions?	(c) (d) (e)	(a) (b) (c) (d) (e) (f) (g)
	(3) Hydrology	<ul><li>(a) Is there a possibility that alteration of rainwater runoff and runoff characteristics due to a large-scale timber harvesting and access road construction will cause impacts on the hydrology of the surrounding areas?</li><li>(b) Is there a possibility that decreased water retention capacity due to deforestation will affect the existing drainage patterns of the forest?</li></ul>	(a) (b)	(a) (b)
	(4) Topography and Geology	(a) Is there a possibility that loss of forest stability due to timber harvesting will cause slope failures or landslides?		(a)
	(5) Management	<ul> <li>(a) Are adequate restoration and revegetation plans considered for the harvested areas? In particular, are adequate measures taken to prevent soil runoff from the harvested areas?</li> <li>(b) Is a sustainable management system for the harvested areas established?</li> <li>(c) Are adequate financial provisions secured to manage the harvested areas?</li> </ul>	(a) (b) (c)	(a) (b) (c)

# Environmental Checklist: 17. Forestry (3)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
4 Social Environment		<ul> <li>impacts caused by the resettlement?</li> <li>(b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement?</li> <li>(c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement?</li> <li>(d) Is the compensations going to be paid prior to the resettlement?</li> <li>(e) Is the compensation policies prepared in document?</li> <li>(f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples?</li> <li>(g) Are agreements with the affected people obtained prior to resettlement?</li> <li>(h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan?</li> <li>(i) Are any plans developed to monitor the impacts of resettlement?</li> </ul>	(i) (j)	(a) (b) (c) (d) (e) (f) (g) (h) (i) (j)
	(2) Living and Livelihood	conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary? Is particular attention paid to the inhabitants	(a) (b) (c) (d)	(a) (b) (c) (d)
		archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)	(a)
		(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken?	(a)	(a)

### **Environmental Checklist: 17. Forestry (4)**

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
	(5) Ethnic Minorities and Indigenous Peoples		(a) (b)	(a) (b)
4 Social Environment	(6) Working Conditions	<ul> <li>associated with the working conditions of the country which the project proponent should observe in the project?</li> <li>(b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials?</li> <li>(c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public health) for workers etc.?</li> <li>(d) Are appropriate measures taken to ensure that security guards involved in the project not to violate safety of other individuals involved, or local residents?</li> </ul>	(a) (b) (c) (d)	(a) (b) (c) (d)
5 Others	(1) Impacts during Construction	construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and	(a) (b) (c)	(a) (b) (c)
	(2) Monitoring	<ul><li>(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts?</li><li>(b) What are the items, methods and frequencies of the monitoring</li></ul>		(a) (b) (c) (d)

### **Environmental Checklist: 17. Forestry (5)**

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
		(a) Where necessary, pertinent items described in the Agriculture checklist should also be checked.	(a)	(a)
	Note on Using Environmental	(a) If necessary, the impacts to transboundary or global issues should be confirmed (e.g., the project includes factors that may cause problems, such as transboundary waste treatment, acid rain, destruction of the ozone layer, or global warming).		(a)

1) Regarding the term "Country's Standards" mentioned in the above table, in the event that environmental standards in the country where the project is located diverge significantly from international standards, appropriate environmental considerations are required to be made.

In cases where local environmental regulations are yet to be established in some areas, considerations should be made based on comparisons with appropriate standards of other countries (including Japan's experience).

2) Environmental checklist provides general environmental items to be checked. It may be necessary to add or delete an item taking into account the characteristics of the project and the particular circumstances of the country and locality in which the project is located.