Environmental Checklist: 19. Other Infrastructure Projects (1)

Category	Environmental	Main Check Items	Yes: Y	Confirmation of Environmental Considerations
0,	Item	(a) Have EIA reports been already prepared in official process?	No: N	(Reasons, Mitigation Measures)
1 Permits and Explanation	(1) EIA and Environmental Permits	(b) Have EIA reports been approved by authorities of the host country's government?	(a) (b) (c) (d)	(a) (b) (c) (d)
		imposed on the approval of EIA reports, are the conditions satisfied? (d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?		
	(2) Explanation to the Local Stakeholders	(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?(b) Have the comment from the stakeholders (such as local residents) been reflected to the project design?	(a) (b)	(a) (b)
		(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)	(a)
	(1) Air Quality		(a) (b)	(a) (b)
	(2) Water Quality		(a)	(a)
2 Pollution Control	(3) Wastes		(a)	(a)
	(4) Soil Contamination		(a)	(a)
	(5) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	(a)	(a)
	(6) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	(a)	(a)
	(7) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	(a)	(a)

Environmental Checklist: 19. Other Infrastructure Projects (2)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
3 Natural Environment	(1) Protected Areas	 (a) Is the project site or discharge area located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas? 	(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) Is there a possibility that changes in localized micro-meteorological conditions, such as solar radiation, temperature, and humidity due to a large-scale timber harvesting will affect the surrounding vegetation? (d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments, such as rivers? Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms? 	(c) (d)	(a) (b) (c) (d)
	(3) Hydrology(4) Topographyand Geology	adversely affect surface water and groundwater flows? (a) Is there a possibility the project will cause large-scale alteration of the topographic features and geologic structures in the project site and	(a) (a)	(a) (a)
4 Social Environment	(1) Resettlement	(b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement?(c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement?	(a) (b) (c) (d) (e) (f) (g) (h) (i) (j)	(a) (b) (c) (d) (e) (f) (g) (h) (i) (j)

Environmental Checklist: 19. Other Infrastructure Projects (3)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
4 Social Environment	(2) Living and Livelihood	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	(a)	(a)
		archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)	(a)
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken?(b) Is there a possibility that landscape is spoiled by construction of high-rise buildings such as huge hotels?	(a) (b)	(a) (b)
	Indigenous	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples?(b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	(a) (b)	(a) (b)
	(6) Working Conditions	associated with the working conditions of the country which the project proponent should observe in the project?	(a) (b) (c) (d)	(a) (b) (c) (d)

Environmental Checklist: 19. Other Infrastructure Projects (4)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
	(1) Impacts during Construction	 (a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)? (b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce impacts? (c) If construction activities adversely affect the social environment, are adequate measures considered to reduce impacts? 	(b)	(a) (b) (c)
5 Others	(2) Monitoring	 (a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts? (b) What are the items, methods and frequencies of the monitoring 	(b) (c)	(a) (b) (c) (d)
6 Note	Reference to Checklist of Other Sectors		(a) (b)	(a) (b)
	Note on Using Environmental Checklist	(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)	(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.