Environmental Checklist: 13. Waste Management (1)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (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)
	(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)
	1 1	(a) Have alternative plans of the project been examined with social and environmental considerations?	(a)	(a)
2 Pollution Control	(1) Air Quality		(a)	(a)
	(2) Water Quality	standards and ambient water quality standards?	(a) (b) (c)	(a) (b) (c)
	(3) Wastes		(a) (b)	(a) (b)
		(a) Are adequate measures taken to prevent contamination of soil and groundwater by leachates from the waste disposal sites?	(a)	(a)
	(5) Noise and Vibration	(a) Do noise and vibrations generated by the facility operations (especially incinerators, waste segregation and crushing facilities), and vehicle traffic for waste collection and transportation comply with the country's standards?	(a)	(a)
	(6) Odor	(a) Are adequate odor control measures taken?	(a)	(a)

Environmental Checklist: 13. Waste Management (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 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	 (a) Does the project site encompass primeval forests, tropical rain forests, 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) If significant ecological impacts are anticipated, are adequate protection measures taken to reduce the impacts on the ecosystem? (d) Is there a possibility that the project will adversely affect aquatic organisms? If impacts are anticipated, are adequate measures taken to reduce the impacts on aquatic organisms? (e) Is there a possibility that the project will adversely affect vegetation and wildlife? If impacts are anticipated, are adequate measures taken to reduce the impacts on vegetation and wildlife? 	(b) (c) (d) (e)	(a) (b) (c) (d) (e)
	of Abandoned Sites	(a) Are environmental protection and restoration plans (such as landfill gas and leachate collection and treatment systems, prevention of illegal dumping, and reforestation) after facility closure considered?(b) Is a sustainable management framework for the abandoned sites established?(c) Are adequate financial provisions secured to manage the abandoned sites?	(a) (b) (c)	(a) (b) (c)

Environmental Checklist: 13. Waste Management (3)

Category Environment Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
4 Social Environment (1) Resettleme	costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement? (d) Is the compensation policies prepared in document?	(e) (f) (g) (h) (i) (j)	(a) (b) (c) (d) (e) (f) (g) (h) (i) (j)

Environmental Checklist: 13. Waste Management (4)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
	(2) Living and Livelihood	conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary? (b) Are considerations given to the existing recovery systems, including	(a) (b) (c) (d) (e)	(a) (b) (c) (d) (e)
	(3) Heritage	(a) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage? Are adequate measures considered to protect these sites in accordance with the country's laws?	(a)	(a)
4 Social	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken?	(a)	(a)
Environment	(5) Ethnic Minorities and Indigenous Peoples		(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: 13. Waste Management (5)

Category	Environmental Item	Main Check Items	Yes: Y No: N	Confirmation of Environmental Considerations (Reasons, Mitigation Measures)
5 Others	(1) Impacts	construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and	(a) (b) (c)	(a) (b) (c)
	(2) Monitoring		(a) (b) (c) (d)	(a) (b) (c) (d)
6 Note	IU DECKIIST OF	(a) Where necessary, pertinent items described in the Forestry Projects checklist should also be checked (e.g., projects including large areas of deforestation).	(a)	(a)
	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)	(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.