

JR Central Green Procurement Guidelines

Central Japan Railway Company

1. Basic Policy

More so now than ever, JR Central is proactively promoting efforts that further enhance railway's characteristic of having little burden on the global environment. In order to contribute directly to preserving our global environment by increasing the railway's energy efficiency and to promote further use of the railway with its small impact on the global environment so as to curb the burden placed on the environment by all methods of transportation, JR Central will strive to construct an attractive railway transportation system.

As part of this commitment, JR Central engages in green procurement, which gives priority to procuring earth-conscious materials. In cooperation with our material suppliers, JR Central will contribute to preserving our global environment in accordance with these JR Central Procurement Guidelines.

2. Applicability

These Guidelines apply to all materials procured by JR Central. In addition, at the time of procurement, JR Central will indicate in specifications or other instructions to the extent feasible the specific items of environmental concern for each product.

3. Guidelines

A. Compliance Matters

A-1. Environmental Friendliness

- Materials provided to JR Central will not contain hazardous chemical substances that are prohibited, and inhibitory substances will not be used to the greatest extent possible. These substances are stipulated separately.
- If any materials provided to JR Central contain substances for which the release amount or other such emissions needs to be confirmed pursuant to law or regulation, an SDS will be submitted.

B. Requested Matters

B-1. Production and Sale of Environmentally-Friendly Products

-Reuse and Recycle

- Recycled resources and recycled materials will be utilized.
- The number of material and components will be reduced and consolidated, and structures will be introduced which are able to be easily disassembled.

-Waste Reduction

- Product lifespans will be extended.
- Improvements will be made to reduce the amount of product maintenance.

-Energy Conservation

- Energy-saving equipment will be developed, and product size and weight will be reduced.

-Product Packaging

- Improvements will be made to save on resources in packing materials (downsizing, lightweight technology, streamlining, etc.).
- Packaging materials will be reusable or recyclable.
- Materials will be limited to using those such as recycled raw materials, not using polyvinyl chloride (PVC) products, and material names will be displayed.

B-2. Environmental Management System

- The system of responsibility for environmental responsiveness will be stipulated.
- Standards and programs will be introduced which concern environmental activities.

B-3. Resource Conservation and Energy Saving

- Specific targets and plans will be prepared for resources (input raw materials, water, etc.) and energy (electric power, heavy oil, gas, etc.), and efforts made to reduce amounts will be used.

B-4. Information Disclosure

- When JR Central requests that information be provided about product components, recycling, waste disposal methods or other such information, such information will be disclosed to the greatest extent possible.

4. Other

These Guidelines will be revised in response to revisions of laws or regulations, advances in technology, changes in global environmental trends or when other such necessity arises.

Appendix to JR Central Green Procurement Guidelines

List of Toxic Chemical Substances

Classification	Name of Substance	Relevant Law/Regulation
Prohibited Substances	PCB	Chemical Substance Control Law
	CFC	Ozone Layer Protection Law
	Halon	
	Carbon tetrachloride	
	Trichloroethane	
	HCFC	
	HBFC	
	Methyl bromide	
	Asbestos	Air Pollution Control Law
	Cyanide compounds	Water Pollution Control Act
	Alkyl mercury compounds	
	Polychlorinated dibenzofuran	Dioxin Act
	Poly chlorinated dibenzo-para-dioxin	
	Coplaner poly chlorinated biphenyl	
Restricted Substances	Mercury and its compounds	Waste Disposal Act
	Cadmium and its compounds	
	Lead and its compounds	
	Organophosphorus compounds	
	Hexavalent chromium compounds	
	Arsenic and its compounds	
	Trichloroethylene	
	Tetrachloroethylene	
	Dichloromethane	
	Dichloroethane	
	Dichloroethylene	
	Dichloropropene	
	Benzene	
	Selenium and its compounds	

Reference

Principal acts and regulations that prescribe toxic chemical substances

- “Law Concerning Regulations on the Screening and Manufacture of Chemical Substances” (Chemical Substance Control Law)
- “Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures” (Ozone Layer Protection Law)
- “Air Pollution Control Law”
- “Water Pollution Control Law”
- “Law Concerning Special Measures against Dioxins” (Dioxin Act)

- “Waste Management and Public Cleansing Act”

-Definition of Terms

Green procurement:

In cooperation with material suppliers, the selection and procurement of environmentally-friendly materials and other substances for components, raw materials, containers, packaging and other items. The targeted items are articles for railway work, rolling stock maintenance, etc.

Efforts include the provision of environmental management systems by suppliers and other such endeavors.

Green purchasing:

The selection and purchase of environmentally-friendly products having little burden on the environment. The targeted items include office supplies, uniforms, paper and other such nondurables.

Laws and regulations that prescribe confirmation, etc. of release amounts of substances:

“Act on Confirmation, etc. of Release Amounts of Designated Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof” (PRTR Act)

SDS:

In order to promote improvements by business operators for appropriately managing chemical substances, the SDS system requires advanced provision of information about the properties, conditions and handling of subject chemical substances when products containing such chemical substances are transferred or provided to other business operators (SDS: Safety Data Sheet).