

## **NOTIFICATION**

**Notification No. 1 of:**

**Ministry of Finance,**

**Ministry of Health, Labour and Welfare,**

**Ministry of Agriculture, Forestry and Fisheries,**

**Ministry of Economy, Trade and Industry,**

**Ministry of Land, Infrastructure and Transport,**

**and**

**Ministry of the Environment**

Based upon the provisions of Paragraph 1 of Article 3 of the Law for Promotion of Utilization of Recyclable Resources (Law No. 48 of 1991), the basic policies on promotion of effective utilization of resources are provided and announced, and will be enforced from April 1, 2001.

Furthermore, the Notification No. 1, 1993 of Environment Agency, Ministry of Finance, Ministry of Health and Welfare, Ministry of Agriculture, Forestry and Fisheries, Ministry of International Trade and Industry, Ministry of Transport, and Ministry of Construction (matters on providing the basic policies on promotion of utilization of recyclable resources) will be abrogated beyond March 31, 2001.

March 28, 2001.

Kiichi Miyazawa, Minister of Finance

Chikara Sakaguchi, Minister of Health, Labour and Welfare

Yoshio Yazu, Minister of Agriculture, Forestry and Fisheries

Takeo Hiranuma, Minister of Economy, Trade and Industry

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Junko Kawaguchi, Minister of the Environment

## **Basic Policies on Promotion of Effective Utilization of Resources**

In Japan relying on importing majority of important resources, a large volume of used articles and by-products has been generated and their large part is discarded because a large volume of resources is used, but the large part of the recyclable resources and reusable parts are now being discarded without being used, with the background of the development of the government's economy in recent years, the change of life style of people, etc. Also, it is widely recognized that the increase of load on the environment by the wastes, etc. might damage the environment that is a basis for the development in the future.

Considering such circumstances, it is indispensable to contribute to a sound development of the government's economy, by promoting concrete and careful countermeasures, for each type of businesses or kind of products or by-products, where each member of business entities, orderers of construction work, consumers, the government and local authorities is sharing his suitable social responsibility under mutual wide cooperation regime, in order to secure the effective use of limited resources, to reduce the generation of waste, and to contribute to preservation of the environment.

These basic policies are to establish the necessary provisions to comprehensively and schematically promote effective use of resources by preventing the generation of used articles, etc. and by-products and by utilization of recyclable resources and reusable parts (hereinafter referred to as "effective utilization of resources"), under such recognition.

### **I. Target for Rationalization of Use of Raw Materials**

#### **1. Target for Each Type of Products**

- (1) In order to aim at rationalization of use of raw materials, etc. such as iron, non-ferrous metals and others used for automobiles, the business entity belonging to the automobile manufacturing industry shall make an effort to adopt small or lightweight parts or materials (hereinafter referred to as "parts, etc.") for parts of chassis, etc., during manufacturing automobiles. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.

- (2) In order to aim at rationalization of use of raw materials, etc. such as non-ferrous metals, iron and others used for personal computers, the business entity belonging to the personal computer manufacturing industry shall make an effort to adopt small or lightweight parts, etc. for cabinets, etc. during manufacturing personal computers. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.
- (3) In order to aim at rationalization of use of raw materials, etc. such as iron, plastics and others used for household electric appliances such as television sets, refrigerators, etc., the business entity belonging to the household electric appliance manufacturing industry shall make an effort to adopt small or lightweight parts, etc. for cabinet, etc. during manufacturing household electric appliances. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.
- (4) In order to aim at rationalization of use of raw materials, etc. such as non-ferrous metals, iron and others used for pachinko play machines and rotary drum type play machines (hereinafter referred to as “pachinko play machines, etc.”), the business entity belonging to the pachinko play machine, etc. manufacturing industry shall make an effort to adopt small or lightweight parts, etc. during manufacturing pachinko play machines, etc. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.
- (5) In order to aim at rationalization of use of raw materials, etc. such as iron, lumber and others used for metallic furniture such as metallic storage furniture, metallic shelves, etc., the business entity belonging to the metallic furniture manufacturing industry shall make an effort to adopt lightweight parts, etc. during manufacturing metallic furniture. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.
- (6) In order to aim at rationalization of use of raw materials, etc. such as iron, non-ferrous metals, others used for gas and oil appliances such as oil stoves, gas cooking stoves, etc., the business entity belonging to the gas and oil appliance manufacturing industry shall make an effort to adopt small or lightweight parts, etc. for cabinets, etc. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.

## 2. Target for Each Type of By-products

- (1) In order to aim at rationalization of use of raw materials, etc. relating to sludge, the business entity belonging to the pulp manufacturing industry, the paper manufacturing industry, the inorganic chemical industrial goods manufacturing industry and the organic chemical industrial goods manufacturing industry shall make an effort to develop facilities and improve technologies to contribute to reduction of amount of generated sludge, by improving production yield relating to products.
- (2) In order to aim at rationalization of use of raw materials, etc. relating to slag, the business entity belonging to the iron-making industry, the steel-making and steel-making and rolling industry and the copper primary smelting and refining industry shall make an effort to develop facilities and improve technologies to contribute to reduction of amount of generated slag, by controlling input of raw materials during production processes.
- (3) In order to aim at rationalization of use of raw materials, etc. relating to metal scraps and waste casting sands, the business entity belonging to the automobile manufacturing industry shall make an effort to develop facilities and improve technologies to contribute to reduction of amount of generated metal scraps and waste casting sands, by improving production yield relating to metallic parts and utilizing waste casting sands for longer period, etc.
- (4) In order to aim at rationalization of use of raw materials, etc. relating to construction work, the business entity belonging to the construction industry (hereinafter referred to as “construction work business entity”) and a person who places an order for construction work (hereinafter referred to as “orderer”) shall make an effort to select design, construction method or materials to contribute to reduction of generated by-products.

## II. Target for Utilization of Recyclable Resources and Reusable Parts

### (1) Recyclable Resources relating to Waste Paper and other Paper Products

- 1 Considering that waste paper can be utilized as raw material for paper making,

the business entity belonging to the paper making industry (hereinafter referred to as “paper making business entity”) shall make an effort to expand utilization of waste paper during paper making. At that time, he shall take into consideration the small portion of waste paper occupying raw material for printing paper, information paper and packaging paper, and the different situation of utilization of waste paper for each type of other paper. Accordingly, the paper making business entity shall aim at developing facilities and improving technologies, which are required for utilization of waste paper.

- 2 In order to expand utilization of reclaimed paper, the paper making business entity shall make an effort to provide paper users with proper information regarding reclaimed paper. Also, the paper users shall make an effort to utilize reclaimed paper. Especially, the national organizations and local authorities shall take the lead to utilize reclaimed paper, and, simultaneously, carry out propagation and enlightenment to promote utilization of waste paper by people.
- 3 Based upon the actual situation where amount of waste paper discharged from offices is increasing due to development of information technology in the recent years, the business entity shall aim at promotion of sorted collection of waste paper in his business establishment. The government shall deal with sorted collection of waste paper discharged from the public office buildings, and carry out propagation and enlightenment as well. The local authorities shall deal with sorted collection of waste paper discharged, and carry out propagation and enlightenment as well, according to the economical and social conditions in that area. The consumers shall make an effort to actively promote collection of waste paper.
- 4 Considering that containers and packaging made from used paper can be utilized as raw materials, etc. such as paper making raw materials, waste paper board raw materials, etc., the business entity for producing paper containers and that for using paper containers and packaging shall make an effort to label identification to facilitate sorted collection, in order to aim at utilization of paper containers and packaging made from used paper as recyclable resources.

## (2) Recyclable Resources relating to Glass Containers

- 1 Considering that cullet can be utilized as raw materials for glass containers, the business entity belonging to the glass container manufacturing industry (hereinafter referred to as “glass container manufacturing business entity”) shall make an effort to expand utilization of cullet during producing glass containers. Accordingly, the glass container manufacturing business entity shall aim at improvement of cullet quality by developing facilities, etc. to effectively remove foreign matter during cullet treatment. Also, the user of glass containers such as the business entity belonging to the beverages-in-glass containers manufacturing industry, etc. shall cooperate for promoting use of glass containers utilizing cullet.
- 2 The business entity, etc. belonging to the beverages-in-glass containers manufacturing industry shall make an effort to use glass containers that can be repeatedly used (hereinafter referred to as “returnable containers”). Also, the business entity selling beverage-in-glass containers, etc. shall make an effort to promote handling of beverages in returnable containers, etc. and collect the said containers.
- 3 The consumers and the business entity shall make an effort to discharge glass containers without mixing foreign matter. The business entity and the consumers shall make an effort to promote collection of glass containers, respectively by promoting sorted collection by colors in shops, etc. for the part of the business entity, and by cooperating in handling of the business entity for the part of the consumers. The government and local authorities shall carry out propagation and enlightenment to promote these recoveries.

(3) Reusable Parts relating to Copying Machines

Considering that driving devices, exposure devices, etc. of used copying machines can be used as parts of copying machines, the business entity belonging to the copying machine manufacturing industry (hereinafter referred to as “copying machine manufacturing business entity”) shall make an effort to expand utilization of reusable parts during manufacturing copying machines. For this purpose, the copying machine manufacturing business entity shall make an effort to use raw materials that can be utilized as reusable parts and contrive product structure, and make an effort to utilize reusable parts by effectively taking out reusable parts from used copying machines and by improving technologies relating to inspection,

cleansing, etc. of reusable parts, as well.

(4) Recyclable Resources relating to Bath Units and System Kitchens

From the viewpoint to sort plastics, iron, etc. used for bath units and system kitchens (hereinafter referred to as “bath units, etc.”) and to promote their utilization as recyclable resources, the business entity belonging to the bath units, etc. manufacturing industry shall make an effort to use raw materials that can be utilized as recyclable resources and to contrive product structure during manufacturing bath units, etc. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.

(5) Recyclable Resources and Reusable Parts relating to Automobiles

From the viewpoint to sort iron, non-ferrous metals, plastics, etc. used for automobiles, to take out engines, bumpers, etc. and to promote their utilization as recyclable resources and reusable parts, the business entity belonging to the automobile manufacturing industry shall make an effort to use raw materials that can be used as recyclable resources and reusable parts and to contrive product structure during manufacturing automobiles. Also, the business entity belonging to automobile repairing industry shall make an effort to use parts that can be utilized as recyclable resources and reusable parts, and to sort replaced parts, etc. during repairing automobiles. The manufacturing business entity and the repairing business entity shall improve their company organization to take these measures, and make an effort to improve required technologies, as well.

(6) Recyclable Resources and Reusable Parts relating to Personal Computers

From the viewpoint to sort non-ferrous metals, iron, etc. used for personal computers, to take out cabinets, CRT's, etc. and to promote their utilization as recyclable resources and reusable parts, the business entity belonging to the personal computer manufacturing industry shall make an effort to use raw materials that can be utilized as recyclable resources and reusable parts and to contrive product structure during manufacturing personal computers. The business entity manufacturing personal computers and the business entity importing personal computers by himself and selling the said personal computers shall make an effort to make voluntary take-back of used personal computers and to reconvert them to resources. They shall improve their company organization

to take these measures, and make an effort to improve required technologies, as well. The government and local authorities shall take measures to promote these voluntary take-back and resources reconversion.

(7) Recyclable Resources relating to Household Electric Appliances

From the viewpoint to sort iron, non-ferrous metals, plastics, etc. used for household electric appliances such as television sets, refrigerators, etc., and to promote their utilization as recyclable resources, the business entity belonging to the household electric appliance manufacturing industry shall use raw materials that can be utilized as recyclable resources and to contrive product structure during manufacturing household electric appliances. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.

(8) Recyclable Resources and Reusable Parts relating to Pachinko Play Machines, etc.

From the viewpoint to sort plastics, iron, etc. used for pachinko play machines, etc., to take out liquid crystal displays, etc. and to promote their utilization as recyclable resources, the business entity belonging to the pachinko play machine, etc. manufacturing industry shall use raw materials that can be utilized as recyclable resources and to contrive product structure during manufacturing pachinko play machines, etc. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.

(9) Recyclable Resources relating to Metallic Furniture

From the viewpoint to sort iron, wood, etc. used for metallic furniture such as metallic storage furniture, metallic shelves, etc., and to promote their utilization as recyclable resources, the business entity belonging to the metallic furniture manufacturing industry shall use raw materials that can be utilized as recyclable resources and to contrive product structure during manufacturing metallic furniture. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.

(10) Recyclable Resources relating to Gas and Oil Appliances

From the viewpoint to sort iron, non-ferrous metals, etc. used for gas and oil

appliances such as oil stoves, gas cooking stoves, etc., and to promote their utilization as recyclable resources, the business entity belonging to the gas and oil appliance manufacturing industry shall use raw materials that can be utilized as recyclable resources and to contrive product structure during manufacturing gas and oil appliances. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies.

(11) Recyclable Resources relating to Sealed Storage Batteries

- 1 From the viewpoint to promote utilization of iron, lead, nickel, cobalt, cadmium, etc. used for sealed storage batteries as recyclable resources, the business entity belonging to the industry manufacturing devices using sealed storage batteries shall make an effort to adopt structure to facilitate removal of sealed storage batteries, to contrive other structure, and to indicate a fact that the said devices use sealed storage batteries and other facts relating to promotion of utilization of recyclable resources. Also, he shall improve his company organization to take these measures, and make an effort to improve required technologies. Furthermore, in order to promote utilization of used sealed storage batteries as recyclable resources, the business entity manufacturing devices using sealed storage batteries and the business entity imported by himself and selling devices using sealed storage battery shall make an effort to make voluntary take-back of used sealed storage batteries, by developing bases to deal with collection of used sealed storage batteries and by taking other measures.
- 2 The business entity manufacturing sealed storage batteries and the business entity selling sealed storage batteries imported by himself shall make an effort to promote utilization of used sealed storage batteries as recyclable resources, by labeling identification on sealed storage batteries and by carrying out voluntary take-back and resources reconversion of used sealed storage batteries.
- 3 The business entity utilizing sealed storage batteries as recyclable resources, etc. shall aim at the technology development to improve quality of reusable iron, lead, nickel, cobalt, cadmium, etc., the promotion of development, etc. of facilities contributing to it, and the development of smooth receiving system of recyclable resources relating to used sealed storage batteries, in order to aim at

promotion of utilization of used sealed storage batteries as recyclable resources.

- 4 The business entity selling devices using sealed storage batteries or selling sealed storage batteries shall make an effort to promote collection of used sealed storage batteries from each part, by his promoting sorted collection of used sealed storage batteries in his shops, etc. and by the consumers' cooperating for his handling, etc. The government and local authorities shall take measures to promote their voluntary take-back and resources reconversion.

(12) Recyclable Resources relating to Metallic Cans for Beverage

- 1 Considering that, as for metallic cans for beverage (steel cans and aluminum cans), they have characteristics suitable for their utilization as recyclable resources, including an advantage that energy required for production of reusable primary metal is lower than that in the case where primary metal is produced from ore, the business entity manufacturing metallic cans for beverage or the business entity filling beverage into metallic cans or the business entity selling beverage filled in metallic cans imported by himself shall make an effort to promote utilization of metallic cans for beverage as recyclable resources, by labeling identification of steel cans or aluminum cans, by adopting structure where tabs may not be separated from main bodies, etc. Especially, for aluminum cans, the business entity, etc. manufacturing metallic cans for beverage shall make an effort to promote sorted collection by propagation and enlightenment, etc. according to each role, because utilization as recyclable resources becomes significantly difficult if foreign matter are mixed.
- 2 The business entity, etc. utilizing metallic cans as recyclable resources shall promote the technology development to improve quality of reusable raw metal, the development of facilities to contribute to it, the development of materials suitable for utilization as recyclable resources, etc., and to aim at developing smooth receiving system relating steel cans, in order to aim at promotion of utilization of used metallic cans as recyclable resources.
- 3 The consumers and the business entity selling beverage filled in metallic cans

shall make an effort to discharge metallic cans without mixing foreign matter. The business entity selling beverage filled in metallic cans shall make an effort to promote collection of metallic cans as each part, by promoting sorted collection by each material at shops, etc. according to his business type for the part of the business entity and by cooperating handling of the business entity for the part of the consumers, etc. The government and local authorities shall carry out propagation and enlightenment to promote these recoveries.

(13) Plastics

- 1 The business entity producing plastics and plastic products and the business entity using these products shall make an effort to develop or use plastic products that can be utilized as recyclable resources. Also, these business entities shall make an effort to introduce material identification to facilitate sorted collection according to characteristics of each product, to develop facilities to carry out processing required for effective utilization as recyclable resources such as volume reducing device, etc., to expand usages of products utilizing recyclable resources, etc., in order to utilize plastic products that can be technically utilized as raw materials, such as polyethylene terephthalate made bottles for beverage (PET bottles), packaging materials made from polystyrene foam, other containers and packaging made from plastics, etc.
  
- 2 Considering that used pipes or pipe fittings made from rigid polyvinyl chloride can be utilized as raw materials for pipes or pipe fittings made from rigid polyvinyl chloride, the business entity belonging to the rigid polyvinyl chloride made pipe or pipe fitting manufacturing industry shall make an effort to expand utilization of used rigid polyvinyl chloride made pipes or pipe fittings, during producing pipes or pipe fittings made from rigid polyvinyl chloride. Also, the business entity producing pipes, rain water gutters and window frames made from rigid polyvinyl chloride and floor materials and wallpaper made from polyvinyl chloride (hereinafter referred to as “polyvinyl chloride made construction materials”) and the business entity selling polyvinyl chloride made construction materials imported by himself shall make an effort to indicate materials, in order to promote their sorted collection.

(14) Sludge

Sludge is utilized for raw material of cement, etc., and it is necessary to aim at expansion of further utilization as recyclable resources in the future. Accordingly, the business entities belonging to the pulp manufacturing industry, the paper making industry, the inorganic chemistry industrial goods manufacturing industry and the organic chemistry industrial goods manufacturing industry shall make an effort for promotion of materialization of products according to specifications, development of facilities to carry out processing required for effective utilization as recyclable resources, expansion of usages, technology development for improvement of quality, etc.

(15) Slag

Slag is utilized for raw materials of cement, road base or sub-base, etc., and it is necessary to aim at expansion of its further utilization as recyclable resources in the future. Accordingly, the business entities belonging to the iron making industry, the steel making and steel making and rolling industry and the copper primary smelting and refining industry shall make an effort for promotion of materialization of products according to standards and specifications, development of facilities to carry out processing required for effective utilization as recyclable resources, expansion of usages, technology development for improvement of quality, etc.

(16) Metal Scrap

Metal scrap is utilized as raw materials for the iron making industry using electric furnaces and the non-ferrous metals secondary smelting and refining industry, and it is necessary to aim at expansion of its further utilization as recyclable resources in the future. Accordingly, the business entity belonging to the automobile manufacturing industry shall make an effort for promotion of materialization of products according to specifications, development of facilities to carry out processing required for effective utilization as recyclable resources, expansion of usages, technology development for improvement of quality, etc.

(17) Waste Casting Sands

Waste casting sands are utilized for raw materials of cement, etc., and it is necessary to aim at expansion of its further utilization as recyclable resources in the future. Accordingly, the business entity belonging to the automobile

manufacturing industry shall make an effort for promotion of materialization of products according to specifications, development of facilities to carry out processing required for effective utilization as recyclable resources, expansion of usages, technology development for improvement of quality, etc.

(18) Coal Ash

Coal ash produced due to combustion of coal is utilized for raw materials of cement, etc., and it is necessary to aim at expansion of its further utilization as recyclable resources in the future. Accordingly, the business entity belonging to the electric utility industry shall make an effort for promotion of materialization of products according to standards and specifications, development of facilities to carry out processing required for effective utilization as recyclable resources, expansion of usages, technology development for improvement of quality, etc.

(19) Construction Generated Soil

Construction generated soil is utilized as material for residential land development, road banking material, river banking material, etc., and it is necessary to aim at expansion of its further utilization in the future. Accordingly, the construction work business entity and the orderer shall make an effort to utilize construction generated soil for proper usage according to its character. Also, they shall provide information on character, etc. of construction generated soil at the said construction work site, in order to promote utilization of construction generated soil, and shall make an effort to collect information on soil and sand required in other construction works.

(20) Concrete Lump

Concrete lump is utilized as reusable aggregates, etc., and it is necessary to aim at expansion of its further utilization in the future. Accordingly, the construction work business entity and the orderer shall make an effort to utilize reusable aggregates as materials for road base or subbase, back-filling, backfill, etc. Also, they shall make an effort to sort concrete lump at the said construction work site, to crush it and utilize facilities of resources reconversion, in order to promote utilization of concrete lump.

(21) Asphalt-Concrete Lump

Asphalt-concrete lump is utilized as reusable aggregates, etc. and reusable heated asphalt mixture, and it is necessary to aim at expansion of its further utilization in the future. Accordingly, the construction work business entity and the orderer shall make an effort to utilize reusable aggregates, etc. and heated asphalt mixture as pavement material, etc. Also, they shall make an effort to sort asphalt-concrete lump at the said construction work site, to crush it and utilize facilities of resources reconversion, in order to promote utilization of asphalt-concrete lump.

(22) Construction Generated Lumber

Construction generated lumber is crushed and utilized as tips for papermaking or board. Accordingly, the construction work business entity and the orderer shall make an effort to sort construction generated lumber at the said construction work site, to crush and cut it and utilize facilities of resources reconversion, in order to promote utilization of construction generated lumber.

### III. Matters relating to Promotion of Long Term Use of Products

- (1) In order to aim at long term use of automobiles, the business entity belonging to the automobile manufacturing industry shall make an effort to adopt parts, etc. that can be used for long period such as parts, etc. that are made from high resistance rubber and to facilitate repairing. Also, the business entity belonging to the automobile repairing industry shall make an effort to improve required technologies.
- (2) In order to aim at long term use of personal computers, the business entity belonging to the personal computer manufacturing industry shall make an effort to facilitate repairing, to adopt parts, etc. that can be used for long period, to ensure upgrade of functions and opportunities of repairing of personal computers for the consumers.
- (3) In order to aim at long term use of household electric appliances such as television sets, refrigerators, etc., the business entity belonging to the household electric appliance manufacturing industry shall make an effort to adopt parts, etc. that can be used for long period, to facilitate repairing by adopting substrates, other parts,

etc. common to parts, etc. for different types of appliances, and to ensure opportunities of repairing for the consumers.

- (4) In order to aim at long term use of pachinko play machines, etc., the business entity belonging to the pachinko play machine, etc. manufacturing industry shall make an effort to adopt parts, etc. that can be used for long period, to facilitate repairing by adopting substrates, other parts, etc. common to parts, etc. for different types of machines, and to ensure opportunities of repairing for the consumers.
- (5) In order to aim at long term use of metallic furniture such as metallic storage furniture, metallic shelves, etc., the business entity belonging to the metallic furniture manufacturing industry shall make an effort to adopt parts, etc. that can be used for long period, to facilitate repairing, and to ensure opportunities of repairing for the consumers.
- (6) In order to aim at long term use of gas and oil appliances such as oil stoves, gas cooking stoves, etc., the business entity belonging to the gas and oil appliance manufacturing industry shall make an effort to adopt parts, etc. that can be used for long period, to facilitate repairing by adopting igniters, other parts, etc. common to parts, etc. for different types of appliances and to ensure opportunities of repairing for the consumers.

#### IV. Matters relating to Propagation of Knowledge regarding Significance of Promotion of Effective Use of Resources contributing to Preservation of Environment

Promotion of effective use of resources has a significance to reduce, as a whole, loads caused by human activities to the environment, to innovate economical and social activities and to form an environment-preserved society, through reducing input of resources and energy in economical activity, reducing generation of wastes and preventing their dispersion, reducing generation of environment pollutants, etc.

Considering that wide cooperation of people is required to promote effective use of resources, the government and local authorities shall make an effort to aim at wide propagation and enlightenment to people of knowledge on significance of promotion of effective use of resources contributing to preservation of the environment. More concretely, they shall deepen understanding of people on contribution of effective use of

resources to preservation of the environment through education, publicity campaign, etc., and request cooperation from people for its execution as well. Also, the government and local authorities shall make an effort to provide people with information regarding significance of promotion of effective use of resources as contribution to preservation of the environment.

#### V. Target for Each Party Concerned

The business entity, the orderer, the consumers, the government and local authorities shall promote effective use of resources, cooperating each other from each position, as follows. In that case, the business entity shall make an effort to aim at further preservation of the environment by respecting relevant laws and ordinances and fully taking care in order not to cause any environmental pollution, during each process relating to effective use of resources.

- (1) Considering that effective use of resources contributes to the reduction of generation of wastes and the preservation of the environment, the business entity shall make an effort to promote long term use of products relating to his business, to rationalize use of containers and packaging during his business activities and to rationalize use of other raw materials, etc., and further shall make an effort to expand usage of by-products generated due to manufacturing, processing, repairing or sales of products or supply of energy through technology development, unification of standards, etc., and shall promote their utilization through processing, etc. to adapt standards and specifications according to their usage as well. Also, the business entity shall make an effort to expand demand of products utilizing recyclable resources or reusable parts through provision of necessary information for the consumers, propagation and enlightenment, technology development, etc., and shall make an effort to utilize more recyclable resources or reusable parts as raw materials, etc. and expand supply of products utilizing recyclable resources or reusable parts.
- (2) The construction work business entity shall make an effort to ensure functions required for works and utilize recyclable resources. Also, he shall make an effort to promote utilization of recyclable resources by carrying out classification of by-products, crushing at the said work site and by aiming at utilization of facilities of resources reconversion considering siting situations, etc. of the said facilities.

Furthermore, during promoting utilization of recyclable resources, he shall utilize them schematically and effectively based upon contents of undertaking contract.

- (3) In order to promote utilization of recyclable resources in construction work, roles of the orderer are important in design and estimation. Accordingly, the orderer shall make an effort to promote utilization of recyclable resources by specifying recyclable resources as materials, adding conditions to deliver by-products to facilities of resources reconversion, etc. These items that the construction work business entity should carry out shall be specified in design document.
- (4) Considering that it is appropriate to take measures in designing stage of products in order to promote effective use of resources, the business entity shall make an effort to select suitable materials, product structure and manufacturing methods.
- (5) The business entity shall make an effort to utilize labeling regarding materials and compositions, and carry out propagation and enlightenment of their labeling to consumers, etc. as well, in order to promote sorted collection of used products.
- (6) The business entity shall make an effort to develop technologies contributing to effective use of resources, and shall improve necessary company organization.
- (7) The consumer shall fully recognize that he is largely responsible for formation of recycling-oriented society, and shall make an effort to use products for as long period as possible and to rationalize use of containers and packaging. Also, he shall make an effort to use products utilizing recyclable resources or reusable parts, and shall cooperate for sorted collection, and other handlings.
- (8) Based upon the fact that volunteer activity by regional inhabitants and activities of collection and processing of reusable parts by business entities play important role to promote utilization of recyclable resources and reusable parts, the government and local authorities shall make an effort to provide arrangement so that these activities may carried out more smoothly.
- (9) The government shall take measures to promote effective use of resources comprehensively and schematically. In that event, the government shall make a

close coordination with related administrative bodies, and shall coordinate activities with the local authorities as well. The government shall make an effort to promote voluntary take-back and resources reconversion by business entities, and make an effort to use products utilizing recyclable resources or reusable parts by himself as well. Also, the government shall make an effort to ensure necessary funds, develop standards relating to construction works, etc., propagate knowledge on significance of utilization of effective use of resources, promote science and technology, etc. Furthermore, the government shall make an effort to develop necessary research and statistics and to provide people with information.

The local authorities shall make an effort to actively promote effective use of resources according to actual situations of areas. Furthermore, the local authorities may make proposal to the government, if they recognize that a situation may appear that significant hindrance may be caused for receipt of used products by business entities.

The government and local authorities shall make an effort to provide with exact and concrete information, regarding matters to be considered for preservation of the environment at the time of effective use of resources.