

## CSR

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### Environment-Related Data



This page outlines the environmental activities of each of Hino Motors production plants as well as data based on environment-related laws and regulations.

- ☒ Headquarters/Plants in Japan
- ☒ Other Bases in Japan
- ☒ Overseas

## Headquarters and Hino Plant

### Headquarters and Hino Plant Overview

Address	1-1, Hinodai 3-chome, Hino-shi, Tokyo
Major products	Heavy-duty trucks (Hino Profia) Medium-duty trucks (Hino Ranger)
Employees	6,000
Site area	447,081 m <sup>2</sup>
Total floor space	405,011 m <sup>2</sup>



Acquisition of ISO 14001 certification: March 24, 2001

### Environmental Policies

1. Harmonious coexistence with society and the environment
2. Continuous improvements and prevention of environmental pollution
3. Compliance with laws and regulations
4. *Mottainai* mindset is the basis for all activities
5. Enhancement of individual environmental awareness

### Through Each Plant Hino Motors Strives to Manufacture Quality Vehicles and Support Transportation that is Friendly to the Earth and People

At our Headquarters & Hino Plant, we are actively establishing varied and diverse targets that set the direction for our environmental initiatives. In diligently working to achieve these goals, Hino Motors is endeavoring to minimize the environmental load created by both production and distribution processes. Based on these activities, we recognize that continuing efforts to supply products with leading environmental performance to society lie at the heart of our corporate social responsibility. As a result, we constantly review and work to lower the environmental load of every function of our business from development to purchasing, production, preparation, and office management. In this manner, our ultimate goal is to harmoniously coexist with the global environment. Furthermore, in addition to the *mottainai* mindset held by each employee, which in Japanese conveys an attitude of preventing waste, we make efforts to eliminate muda, mura, and muri (unprofitable, unsteady and unreasonable, respectively) in our energy-saving and resource-saving activities while at the same time engaging in activities aimed at protecting the natural environment.

Located in close proximity to a residential area, Hino Plant makes every effort not to disturb or comprise the lives of its neighbors. As a result, we strictly adhere to measures that minimize noise, vibration, and odor. Looking ahead, we will continue to manufacture quality vehicles and support transportation that is friendly to the earth and people.

## Award Record

FY2003	Winner of the Highest Award presented by the Chairperson of the Electric Safety Kanto Committee
FY2005	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
FY2006	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
FY2007	Winner of the Highest Award for Electric Safety and Electricity Usage Rationalization Committee
FY2008	Winner of the Highest Award for Electric Safety and Electricity Usage Rationalization Committee
FY2008	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
FY2008	Winner of the Chairperson's Award presented by the High Pressure Gas Safety Institute of Japan
FY2009	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
FY2010	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee Winner of the Highest Award for Electric Safety and Electricity Usage Rationalization Committee
FY2011	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee Winner of the Highest Award for Electric Safety and Electricity Usage Rationalization Committee
FY2012	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee Winner of the Highest Award for Electric Safety and Electricity Usage Rationalization Committee

### ■Data Based on Environment-Related Laws and Regulations

#### Water Quality (Water Pollution Control Law and Prefectural Ordinances)

Effluent water quality analysis (river channel and discharge site: Tama River via Yaji River)

Item	Regulatory limit	Max.	Min.	Avg.
Discharge volume (m <sup>3</sup> /day)	-	4,889	728	2,240
pH	5.8-8.6	7.7	7.1	7.4
BOD (mg/l)	20	2.0	ND	1.1
COD (mg/l)	-	14	2.1	7.8
SS (mg/l)	40	3.0	ND	1.8
N-hexane (mg/l)	5	ND	ND	ND
Total phosphorous (mg/l)	2	1	0.1	0.5
Total nitrogen (mg/l)	20	14	6.2	9.7
Zinc content (mg/l)	2	0.2	0.07	0.14
Fluorine compounds (g/l)	8	0.29	0.16	0.23

ND: Not Detected (Less than the minimum determined limit)

#### ■Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Regulatory limit	Max.	Min.	Avg.
Boilers (processed natural gas)	NOx(ppm)	-	43	19	27
	Soot and dust (g/Nm <sup>3</sup> )	-	0.002	ND	0.002
Gas carburizing furnace #1 (processed natural gas)	NOx(ppm)	180	134	104	119
	Soot and dust (g/Nm <sup>3</sup> )	0.2	0.003	ND	0.003

ND: Not Detected (Less than the minimum determined limit)

## Hamura Plant

### Plant Overview

Address	3-1-1 Midorigaoka, Hamura-shi, Tokyo
Major products	Light-duty trucks (Hino Dutro, Dyna, Toyoace, Land Cruiser Prado, and FJ Cruiser)
Employees	3,400
Site area	750,770 m <sup>2</sup>
Total floor space	382,455 m <sup>2</sup>



Acquisition of ISO 14001 certification:  
March 10, 1999

### Environmental Policies

1. Compliance with laws and regulations
2. Preventive measures through continuous improvements and prevention of pollution
3. Promotion of energy saving, resource saving, and reduction of waste
4. Harmonious relations with local communities

### Striving to Make Vehicles that People Value at a Safe and Reliable Plant

The Hamura Plant's environmental policy is based on three priorities: the environment, safety, and quality. The plant promotes environmental conservation activities that consider various facets of the environment. Holding high aspirations to help protect and sustain the environment, all employees actively strive toward reducing greenhouse gas emissions to meet regulatory targets and combat climate change. The Hamura Plant works to be a safe and reliable plant that makes vehicles that people value, thereby fulfilling its responsibility to the community as a good corporate citizen and earning the trust of local residents.

### Award Record

October 2004	Winner of the Chairperson's Award presented by the High Pressure Gas Safety Institute of Japan
February 2005	Winner of the Director-General's Award presented by the Natural Resources and Energy Agency
November 2005	Winner of the Prevention Manager's Award presented by the Tokyo Fire Department
February 2006	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
July 2006	Winner of the Champion's Award presented by the Firefighting Training Board
February 2007	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
February 2008	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
February 2008	Winner of the Chairperson's Award presented by the Energy Conservation Center
February 2009	Winner of the Ministry of Economy, Trade and Industry Minister's Award for Excellence in Plant Energy Management
February 2010	Winner of the Ministry of Economy, Trade and Industry Minister's Award for Excellence in Plant Energy Management
February 2011	Winner of the Ministry of Economy, Trade and Industry Minister's Award for Excellence in Plant Energy Management
February 2012	Winner of the Ministry of Economy, Trade and Industry Minister's Award for Excellence in Plant Energy Management
February 2012	Hamura Plant awarded for energy conservation

## ■Data Based on Environment-Related Laws and Regulations

### Water Quality (Sewerage Law) and Effluent Water Quality Analysis (Sewer Effluent)

Item	Regulatory limit	Max.	Min.	Avg.
Discharge volume (m <sup>3</sup> /day)	-	3,037	12	1,701
pH	5.7-8.7	7.6	7.0	7.3
BOD (mg/l)	300	11	1.1	2.9
SS (mg/l)	300	11	1.0	2.9
N-hexane (mg/l)	5	ND	ND	ND
Total phosphorous (mg/l)	16	3.8	0.7	1.6
Total nitrogen (mg/l)	120	14.7	1.6	3.6
Zinc content (mg/l)	2	0.12	0.1	10.11
Fluorine compounds (mg/l)	8	0.99	0.87	0.93

ND: Not Detected (Less than the minimum determined limit)

### ■Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Regulatory limit	Max.	Min.	Avg.
Cogeneration equipment (processed natural gas)	NOx (ppm)	35	21	11	17
	Soot and dust (g/Nm <sup>3</sup> )	0.05	ND	ND	ND
Drying furnaces (processed natural gas)	NOx(ppm)	230	72	8	20
	Soot and dust (g/Nm <sup>3</sup> )	0.2	0,008	ND	0,002

ND: Not Detected (Less than the minimum determined limit)

## Nitta Plant

### Plant Overview

Address	10-1 Nittahayakawa-cho, Ota-shi, Gunma Prefecture
Major products	Medium- and light-duty truck engines, medium- and heavy-duty truck transmissions, and medium-duty truck axles
Employees	1,600
Site area	393,932 m <sup>2</sup>
Total floor space	201,751 m <sup>2</sup>



Acquisition of ISO 14001 certification:  
March 27, 2000

### Environmental Policies

1. Harmony with the community and harmonious coexistence with the environment
2. Prevention of environmental pollution as the base for all operations
3. Compliance with laws and regulations
4. No waste and no wasteful use
5. Enhancement of each individual's environmental awareness

## Striving to Become a People-Friendly, Environment-Friendly, Clean Plant

At the Nitta Plant, located in a lush green setting, we have made the 3Ss (*seiri*, *seiton* and *seisou*, meaning well-organized, well-arranged and clean) as the basis for all plant activities. We are also promoting environmental conservation and improvement activities with a sustained awareness of environmental load based on the Nitta Plant Environment Policy.

By working to prevent environmental risks before they occur focusing particularly on upstream production activities, we are working to alleviate environmental risk. As a further initiative for reducing load of the environment, all plant personnel are aiming at higher goals for the prevention of global warming. At the same time, we will make efforts to maintain a clean plant that is accepted by the local community as friendly to people and the environment.

## Award Record

FY1999	Winner of the Director's Award in the Electric Lighting category presented by the Kanto Bureau of International Trade and Industry
FY2001	Winner of the Director's Award in the Heating category presented by the Kanto Bureau of Economy, Trade and Industry
FY2002	Winner of the Director-General's Award (Electrical Division) presented by the Natural Resources and Energy Agency
FY2003	Winner of the Energy Conservation Activity Excellent Group Award presented by the Kanto Bureau of Economy, Trade and Industry
FY2004	Winner of the Director-General's Award (Heat Division) presented by the Agency for Natural Resources and Energy

## ■Data Based on Environment-Related Laws and Regulations

### Water Quality (Water Pollution Control Law, Prefectural Ordinances and Environmental Pollution Prevention Agreement with the Local Government)

Effluent water quality analysis (river channel and discharge site: Tone River via Hayakawa River)

Item	Regulatory limit	Max.	Min.	Avg.
Discharge volume (m <sup>3</sup> /day)	-	576	0.6	326
pH	6.0-8.0	7.9	0.6	7.6
BOD (mg/l)	10	2	0.7	1.4
SS (mg/l)	15	2	ND	2
N-hexane (mg/l)	3	ND	ND	ND
Total phosphorous (mg/l)	60	0.07	ND	0.07
Total nitrogen (mg/l)	120	14	6.7	9.7
Zinc content (mg/l)	1	0.11	0.05	0.08
0	1.5	ND	ND	ND

ND: Not Detected (Less than the minimum determined limit)

## ■Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Regulatory limit	Max.	Min.	Avg.
Continuous furnaces #1 (kerosene)	NOx (ppm)	180	99	64	86
	Soot and dust (g/Nm <sup>3</sup> )	0.1	0.024	ND	0.006

## Oume Parts Center



The Center is responsible for truck and bus parts and components, and transports them nationwide.



Acquisition of ISO 14001 certification: January 11, 2002

### Center Overview

Address	1-5-1 Suehiro-cho, Ome-shi, Tokyo
Description of business	Management and transport of service parts
Employees	69
Site area	26,288 m <sup>2</sup>
Total floor space	31,533 m <sup>2</sup>

### Environmental Policies

1. Harmonious coexistence with the environment
2. Prevention of environmental pollution and sustained improvement
3. Compliance with laws and regulations
4. Streamlining the flow of goods
5. Enhancing each individual environmental awareness

## Hidaka Delivery Center



Hidaka Delivery Center manages and controls finished products (trucks) and delivery to body manufacturers and dealers nationwide.



Acquisition of ISO 14001 certification: January 11, 2002

### Center Overview

Address	689-1 Kamikayama, Hidaka-shi, Saitama Prefecture
Description of business	Management and transport of products (trucks)
Employees	11
Site area	265,989 m <sup>2</sup>
Total floor space	10,118m <sup>2</sup>

### Environmental Policies

1. Harmonious coexistence with the environment
2. Prevention of environmental pollution and sustained improvement
3. Compliance with laws and regulations
4. Streamlining the flow of goods
5. Enhancing each individual environmental awareness

## The Americas



### Company Overview

Company name	Hino Motors Manufacturing U.S.A., Inc.
Head office address	37777 Interchange Drive, Farmington Hills, MI 48335
Description of business	Manufacture of Hino Motors vehicles, sale of service parts, manufacture and sale of automobile parts and components, other

### Environmental Policies

1. **H**elp reduce our impact on the environment.
2. **I**ncrease prevention of pollution efforts and recycle.
3. **N**ever be out of compliance with regulations.
4. **O**pportunities for continual Improvement.

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	17,559 t-CO2
Incinerated waste	6,315 t
Water usage	17,000 m <sup>3</sup>

## Thailand



### Company Overview

Company name	Hino Motors Manufacturing (Thailand) Ltd.
Head office address	No. 99 Moo 3, Thepharak Road, Samrong Nua, Muang Samutprakarn, Samutprakarn Province, Thailand
Description of business	Manufacture and sale of Hino Motors trucks and buses, manufacture and sale of automobile parts and components

### Environmental Policies

1. Coexist in harmony with the global environment
2. Strengthen and manage the company's environmental pollution prevention structure and systems
3. Ensure strict compliance with laws, regulations and other environmental policies
4. Protect energy and natural resources
5. Ensure appropriate waste disposal and treatment
6. Promote employee awareness
7. Promote environmental policy disclosure

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	41,759 t-CO2
Incinerated waste	17,858 t
Water usage	387,000 m <sup>3</sup>



## Indonesia



### Company Overview

Company name	PT. Hino Motors Manufacturing Indonesia
Head office address	Kawasan Industri Kota Bukit Indah Blok D1 No.1 Purwakarta 41181, Jawa Barat, Indonesia
Description of business	Manufacture and sale of Hino Motors trucks and buses

### Environmental Policies

1. Coexist harmoniously with the environment
2. Position prevention at the heart of all business activities
3. Ensure strict compliance with laws and other regulations
4. No waste and no wasteful use
5. Promote individual awareness

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	12,431 t-CO2
Incinerated waste	1,743 t
Water usage	91,000 m <sup>3</sup>

## Pakistan



### Company Overview

Company name	Hinopak Motors Limited
Head office address	D-2, S.I.T.E. Manghopir Road Karachi-75700, Pakistan
Description of business	Manufacture and sale of Hino Motors trucks and buses, supply and sale of mounting superstructures and the import and sale of service parts

### Environmental Policies

1. Promote the prevention of pollution and environmental load reduction
2. Effectively use energy and other resources
3. Ensure strict compliance with environmental laws and regulations
4. Continuously improve environmental performance
5. Implement employee education and training

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	2,066 t-CO2
Incinerated waste	441 t
Water usage	52,000 m <sup>3</sup>



## Shanghai, China



### Company Overview

Company name	Shanghai Hino Engine Co., Ltd.
Head office address	179, Huancheng East Road, Fengxian District, Shanghai, China
Description of business	Manufacture and sale of Hino Motors' brand engines

### Environmental Policies

1. Comply with statutory and regulatory requirements
2. Take personal ownership and responsibility for environmental protection endeavors
3. Enhance the effective use of resources and energy as the means for eliminating waste
4. Raise employee awareness of environmental protection

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	3,326 t-CO2
Incinerated waste	888 t
Water usage	26,000 m <sup>3</sup>

## Vietnam



### Company Overview

Company name	Hino Motors Vietnam, Ltd.
Head office address	Hoang Liet, Hoang Mai, Hanoi, Vietnam
Description of business	Manufacture and sale of Hino Motors trucks, and the import and sale of imported service parts

### Environmental Policies

1. Comply with legal requirements and relevant regulations
2. Employ capable human resources as a means to minimize serious environmental risks
3. Continuously implement environmental management systems to minimize consumption of resources
4. Promote environmental policies that raise employees' awareness of the environment and their responsibilities

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	191 t-CO2
Incinerated waste	45 t
Water usage	3,000 m <sup>3</sup>

## Canada



### Company Overview

Company name	Hino Motors Canada, Ltd.
Head office address	395 Ambassador Drive, Mississauga, Ontario, Canada L5T 2J3
Description of business	Manufacture and sale of Hino trucks; import and sale of service parts

### Environmental Policies

1. **H**elp reduce our impact on the environment.
2. **I**ncrease prevention of pollution efforts and recycle.
3. **N**ever be out of compliance with regulations.
4. **O**pportunities for continual Improvement.

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	693 t-CO2
Direct landfill waste	57 t
Water usage	1,000 m <sup>3</sup>

## Mexico



### Company Overview

Company name	Hino Motors Manufacturing Mexico, S.A. de C.V.
Head office address	Circuito Mexiamora Sur #302, Parque Industrial, Santa Fe
Description of business	Manufacture and wholesale of Hino trucks

### Environmental Policies

1. Protect the environment through activities designed to conserve resources, encourage recycling, and prevent pollution
2. Ensure compliance with legal requirements and environment-related regulations
3. Implement continuous improvements to the environmental management system
4. Promote environmental policies to employees and business partners such as suppliers

### ■Data Based on Environment-Related Laws and Regulations

CO2 emissions	72 t-CO2
Direct landfill waste	41 t
Water usage	2,000 m <sup>3</sup>

## Previous Report

- ☒ Previous Report : FY2011
- ☒ Previous Report : FY2010
- ☒ Previous Report : FY2009
- ☒ Previous Report : FY2008