# **Environmental data compilation**

## Influence on environment associated with business activities

KYB uses energy, water, chemicals, and other such diverse resources. In order to make efficient use of limited resources in production, we take steps to reduce waste, CO<sub>2</sub>, and other emissions.

# INPUT / OUTPUT



# State of ISO14001 certification acquisition

In order to develop our actions for environment preservation systematically, we are carrying out the introduction and the promotion of ISO14001 environmental management system. We will shift to the 2015 edition sequentially in the renewal examination.

## Japan

КҮВ	Certification registered year
Gifu South Plant (Including Gifu East plant, Production Technology R&D Center, Machining Tool Center, KMS)	2000.2
Sagami plant (Including the Basic Technology R&D Center, the Electronic Engineering Center)	2000.12
Kumagaya Plant	2000.12
Gifu North Plant (Including KYB Kanayama)	2001.12
Affiliated companies in Japan	Certification registered year
KSM Mie Plant	2000.12
Takako Industries, Inc. (Shiga Plant)	2003.2
KYB-YS	2004.4
KYB Trondule Co., Ltd.	2008.11

#### Overseas

Company name	Certification registered year	Company name	Certification registered year	
KMT (Taiwan)	2001.6	TVC (Vietnam)	2007.1	
KSS (Spain)	2001.6	KMB (Brazil)	2007.3	
KYBSE (Spain)	2001.12	KIMZ (China)	2009.4	
KAC (United States)	2002.5	KMCZ (Czech Republic)	2009.8	
KYBT (Thailand)	2003.7	KLRC (China)	2010.1	
KST (Thailand)	2003.8	KWT (China)	2013.11	
PT.KYBI (Indonesia)	2004.11	TAC (United States)	2013.2	
KMSB (Malaysia)	2005.5	KMV (Vietnam)	2013.5	
KSMSB (Malaysia)	2005.5	KAMS (Spain)	2015.6	

# **Editorial Policy**

We compile this report with reference to environmental reporting guidelines so that information regarding our business operations as relating to the environment and society can be conveyed to our stakeholders in readily understandable form.

In the 2017 edition of the report, we introduce numerous specific cases of new environment-friendly technologies and energy-saving programs, utilization

of human resources, and collaboration with local communities.

We will try to edit our reports to make them easier to understand. Therefore, our stakeholders' candid opinions will be much appreciated. The content of this report has been posted on our website, so please take a look.

## http://www.kyb.co.jp/company/csr.html

# Environment-related Data



#### Energy consumption



#### Waste emissions volume



## Water usage/ Wastewater



### • Energy consumption for transportation



# Environmental preservation cost

The amounts of investment and cost were separately calculated with reference to the Environmental Accounting Guidelines, 2005, presented by the Ministry of Environment.

				Unit: million yer
C	ost type	Major contents	Invested amount	Cost
(1) Cost within business area	(1)-1 Pollution prevention cost	Atmospheric pollution and water pollution prevention activities Maintenance and inspection of pollution prevention facilities Analysis and measurement of atmosphere and water quality	73.6	118.4
	(1)-2 Earth's environment preservation cost	Energy conversion Energy saving activities	41.0	15.9
	(1)-3 Resource circulation cost	Recycling of plant wastes Reduction of industrial wastes	85.9	202.2
(2) Upstream/downstream	1 cost		0	0
(3) Management activity cost		Maintenance and periodic/ renewal screening of IS014001 Surveillance of impacts on environment	1.1	71.3
(4) R&D cost		Environment-friendly product development Light-weight products and products containing less hazardous chemical substances	60.0	94.0
(5) Social activity cost		Support of non-profit environmental protection Afforestation and maintenance of scenery surrounding plant	0.2	11.4
(6) Environmental remedia	ation cost		0.0	0.0
(7) Other cost		Internal environmental conservation Welfare conservation	1,143.6	20.0
		Total	1,405.4	533.2
Grand total		1,938.6		

Categories and definitions of environmental preservation costs

[Invested amount] Expense for the purpose of environmental preservation during the target period with effect that continues for a number of terms and cost running for those periods. (Amount acquired during the current term of the depreciable asset)

[ Cost ] Cost or loss generated from expenditure of finance/service for the purpose of environmental preservation.

#### Period covered

From April 2016 to March 2017

(A part of our activities and reports outside of the period are also posted.)

#### Scope

KYB Corporation and the affiliated companies inside and outside of Japan are included. Regarding environmental data, that of KYB Corporation (Sagami plant, Kumagaya Plant, Gifu North plant, Gifu South plant and Gifu East plant) is shown unless otherwise annotated.

#### Time of publication

June 2017 (The next report is scheduled to be published in June 2018, with the previous one published in June 2016.)

#### • Referenced guidelines

This report was drafted and edited using the Ministry of the Environment

"Environmental Reporting Guidelines 2012"

#### Notes related to future prospects

This report includes our plans and prospects as of the issued date, and future prospects based on our business plans and business policies. We evaluate these future prospects based on information obtained when the report is drafted and thus the prospects may differ depending on changes in various conditions. We appreciate your understanding of the statement above.



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Considerations made for paper use



Forest Neighborhood Association Paper used for this printing is useful for the effective use of thinning and timber from forest thinning that revive forests.



Use of FSC certified paper <sup>®</sup> We used paper made of timber from adequately managed forests.

Considerations made for printing



Green Printing Environmentally friendly printing materials and printing methods were used to produce this report.



Use of Non-VOC ink We used environmentally friendly 100% vegetable oil ink free from VOC (volatile organic compound).



Waterless printing We adopted waterless printing with organic materials that generate less waste.