

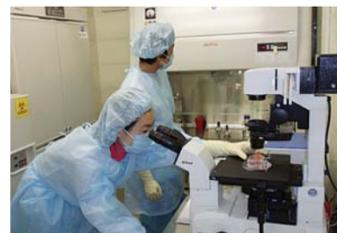
4 Health Care Service

Japan helped improve infrastructure for Bach Mai Hospital as well as training for healthcare staff, especially doctors and nurses, making contribution to the improvement of healthcare services for the north of Vietnam in general and for Hanoi, in particular. In addition, Japan also provided healthcare equipment for the Vietnam National Hospital of Pediatrics (NHP) and National Hospital for Obstetrics

and Gynecology (NHOG). Moreover, Japan has helped the National Institute of Health and Epidemics (NIHE) to build a bio-safety level-3 laboratory and worked together with Japanese research bodies to carry out technical and academic cooperation. Now, NIHE is actively conducting experiments on bird flu samples, making contribution to responding to infectious diseases in Vietnam.



Bach Mai Hospital



National Institute of Health and Epidemics (NIHE)

Japan's ODA key projects in Hanoi

Loan co-operation	Amount (¥ mil.)	Fiscal year
① Hanoi drainage project for environment improvement (I), (II)	47,860	1994, 1997, 2008
② Transport infrastructure development project in Hanoi	12,510	1998
③ Hanoi urban infrastructure development project (II)	11,433	1996
④ Red river bridge construction project (I) ~ (IV) (including guiding lane to the ring road No. 3)	40,989	1999 - 2005
⑤ Nhat Tan bridge construction project	13,698	2005
⑥ Hanoi city ring road no.3 construction project	28,069	2007
⑦ Hanoi city urban railway construction project (Line 1) (Detailed design)	4,683	2007
⑧ Hanoi city urban railway construction project (Line 2) (I)	14,688	2008
⑨ National highway No. 5 improvement project (I) ~ (III)	20,961	2003 - 2005
⑩ National highway No. 18 improvement project (I), (II)	23,449	1997, 1999
⑪ National highway No. 3 (I)	12,469	2004
⑫ Terminal 2, Noi Bai international airport (I)	12,607	2009
⑬ Highway connecting Nhat Tan bridge and Noi Bai international airport (I)	6,546	2009
- Hoa Lac high-tech park infrastructure development (Detailed design)	1,005	2009
Grant Aid	Amount (¥ mil.)	Fiscal year
⑭ The project for improvement of Bach Mai hospital	6,038	1998
- The project for improvement of equipment for management of solid waste for Hanoi	896	2002
⑮ The project for improvement of medical equipment for National Hospital of Pediatrics	314	2003
- The project for construction of facilities of measles vaccine production (POLYVAC)	2,141	2003
⑯ The project for establishment of BSL 3 laboratory at National Institute of Hygiene and Epidemiology (NIHE)	891	2006
⑰ The project for improvement of equipment in the National Hospital for Obstetrics and Gynecology (NHOG)	461	2009

Map of Japan's ODA projects in Hanoi



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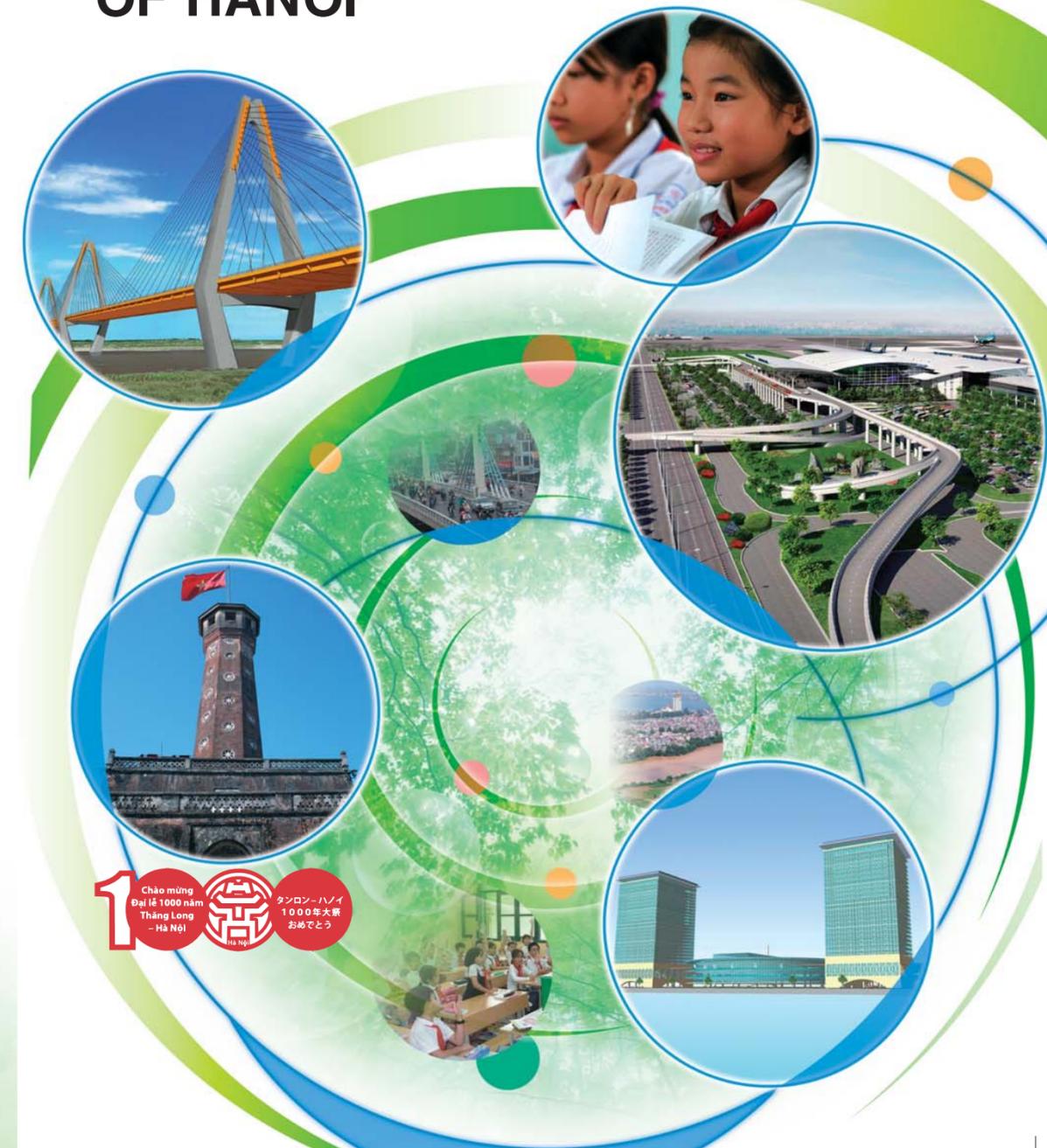
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Japan's ODA FOR THE DEVELOPMENT OF HANOI



1 Chào mừng Đại lễ 1000 năm Thăng Long - Hà Nội



タワマン・ハライ 1000年大祭 おめでとう

Since the resumption of Japan's Official Development Assistance (ODA) to Vietnam in 1992, the priority of Japan's ODA for the development of Hanoi has been given to areas namely modernizing transport infrastructure, improving water environment, developing industry and health care services. Many Japanese enterprises and experts participated and made daily effort for the development of Hanoi as well as the friendship of Vietnam and Japan. The following are some of the cooperation programs between Vietnam and Japan.

1 Modernization of transport infrastructure

Construction of international gateway

In 2010, the 1000th Anniversary of Thang Long-Hanoi, the first Japan's ODA project signed was the Terminal 2 Construction project at Noi Bai International Airport. A new highway connecting the airport with Hanoi will also be built using Japan's ODA loan. Since 2009, the Nhat Tan Bridge (also called Vietnam-Japan Friendship Bridge) crossing the Red River, a part of the highway, has been under construction by Japan's ODA. In 2014, these programs, particularly the new port of Noi Bai Airport, will be the new international gateway to Hanoi.



Terminal 2 in Noi Bai International Airport

Modernization of transport infrastructure

For the past ten years, in order to improve the transport situation of Hanoi, Japan has assisted in upgrading and expanding key parts of the road network as well as constructing interchanges such as Nga Tu So flyover, Kim Lien underpass intersections and pedestrian bridges. Moreover, Japan has cooperated in constructing urban railway and an underground system for Hanoi (line 1 connecting Yen Vien - Hanoi - Ngoc Hoi and line 2 connecting Tran Hung Dao - Nam Long Bien - Nam Thang Long). The urban railway is expected to contribute to the basic improvement of the transport system, reduction of traffic jams and improvement of Hanoi's environment.



Nga Tu So Flyover



Nhat Tan Bridge (Vietnam - Japan Friendship Bridge)



New Hanoi Railway Station (Urban railway line 1)

Construction of regional transport system

Japan's ODA loan has also been allocated to upgrading inland transport system of Hanoi as well as national roads connecting Hanoi with surrounding satellite cities. Following the expansion and upgrade of National Highway No. 5 (Hanoi-Hai Phong) and National Highway No. 18 (Hanoi-Quang Ninh), Japan agreed to provide assistance to the construction of National Highway No. 3 (Hanoi-Thai Nguyen). After the completion of the Thanh Tri Bridge construction (also called Hong Ha Bridge) in 2007, Japan helped to construct the Ring Road No. 3 in Hanoi connecting the bridge to Thang



Interchanges of Ring Road No. 3

Long Bridge. The transport system will be the basis for the development of industrial zones and rural areas, making a large contribution to the economic development of the region with its core in Hanoi.

Enhancement of traffic safety

Focusing on enhancing traffic safety as well as improving transport infrastructure of Hanoi, Japan has conducted technical cooperation projects to improving transport intersections, signal light system and conducting Education, Information and Communication (EIC) for the citizens and trainings for traffic police... The cooperation using Japanese experience is expected to be effective for protecting Hanoi citizens.



Pedestrian bridge

2 Environmental improvement

Water environment improvement

With the aim of constructing Hanoi in a way which focuses on "culture, water and the environment", water quality improvement and modernization of transport infrastructure are pressing issues. Since the mid-1990s, Japan's ODA has assisted in upgrading pools and drainage system and constructing Yen So water pumping station and drainage treatment station in the city. It is expected that the environment of Hanoi will be improved and the floods in the



Waste Treatment

city will be prevented through cooperation using Japanese environmental technology.

Waste Treatment

So as to improve the environment of Hanoi, it is also necessary to modernize waste treatment factories and to reduce the amount of waste. Japan has made a great effort to implement 3R initiative (Reduce, Recycle and Reuse). In order to transfer experience in this field to Vietnam, Japan has helped implement waste collecting and sorting in some model sites in Hanoi. Japan has also



cooperated with volunteer students and citizens groups to conduct EIC on the environment. Japan



3R Initiative in Hanoi

is planning to expand 3R initiative to the whole of Hanoi as well as nationwide in the future.



3 Industrial Development

Developing industrial zones

Along the National Highway No. 5 and No. 18 constructed by Japan's ODA loan, many industrial zones have appeared and private investment is developing more and more. In 2000, the "North Thang Long Industrial Park" was completed under the investment of Japanese enterprises. Japan's ODA has been used for constructing transport infrastructure, a water supply system, a waste water treatment system, and electricity generating stations, and it became the model for the Public Private Partnership (PPP) program. Here in the industrial park, a lot of Japanese enterprises are operating, creating jobs for around 50,000 people and making great contribution to the economic development of Hanoi.

Human Resource Development for Industry



Manufacturing quality management



Business course (VJCC)

To support Human Resource Development for Industry, Japan has helped to construct the "Vietnam-Japan Human Resource Cooperation Center (VJCC) ⑱" at Hanoi Foreign Trade University. The Center has organized various training courses on Japanese business, Japanese language and conducting cultural exchange activities. Moreover, Japan is doing their best to implement comprehensive cooperation with Hanoi Technology University (training on IT) ⑲ and Hanoi Industry University (vocational training) ⑳ so as to improve the training for trainers and teaching manuals, to support Vietnamese students in Japan, and to strengthen the link between Japanese enterprises and developing human resources for the industry.