

Advanced body of the

**"JSCE/AIJ mission for reconstruction recommendations
for areas devastated by the
May. 27, 2006, Java earthquake, Indonesia"**

June, 2006







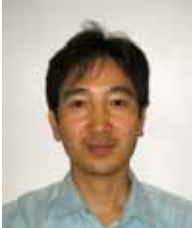
Japan Society of Civil Engineers

Architectural Institute of Japan

PURPOSE

First of all, the members of Japan Society of Civil Engineers (JSCE) and Architectural Institute of Japan (AIJ) express sincere condolences and deepest sympathies to the victims and afflicted people in the earthquake stricken areas by the 2006 Java Earthquake.

TEAM MEMBERS

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ITENERARY

[As of June. 6]

Date	Itinerary	Stay
June. 10 (Sat.)	1) Leave for Indonesia (Dr. Konagai, Dr. Teshigawara, Dr. Nakano, Mr. Ikeda) <i>JL725: Departure from Narita at 11:25 / Arrival at Jakarta at 16:50</i>	Jakarta
	Leave for Indonesia (Dr. Kiyono) <i>SQ985: Departure from Kansai at 11:00 / Arrival at Singapore at 16:35</i> <i>SQ162: Departure from Singapore at 17:35 / Arrival at Jakarta at 18:10</i>	NIKKO HOTEL
11 (Sun.)	1) Leave for Yogyakarta (Dr. Konagai, Dr. Kiyono, Dr. Teshigawara, Dr. Nakano, Mr. Ikeda, Mr. Suzuki, Mr. Ogushi) <i>GA430: Departure from Jakarta at 10:00 / Arrival at Jogjakarta at 11:00</i> 2) Meeting & Presentation: 12:00 Provincial Secretary Office & Posko BMG (<i>Information and data collection</i>). 14:00 Meeting and presentation of the earthquake damage by Bantul regency's team (together with Indonesian Consultant Group). 15:30 Survey (Bantul regency & surrounding) accompanied by Consultant group.	Yogyakarta HYATT REGENCY HOTEL
12 (Mon)	1) Meeting & Presentation: 08:00 Meeting with Provincial Secretary, Mr. Ir. Bambang S. Priyohadi 08:30 Meeting and presentation by Head of Water Resources DIY Public Works, Mr. Ir. Djoko Sasongko. 10:30 Meeting with Dr. Sarwidi / Vice Rector of UII (Chief of Earthquake Research Center, Earthquake resistant house, etc). 2) 11:30 Survey site accompanied by Dr. Sarwidi. 3) 18:00 Mr. OHNO / JICA Coordinator (tentative)	Yogyakarta HYATT REGENCY HOTEL
13 (Tue)	1) Meeting & Presentation: 08:00 By Regional Development Planning Board of the Provincial Government of Central Java, Dr. Anung Suguhantono, Vice head of BAPPEDA and assistant of the Governor). 2) 10:00 Survey site (Klaten Regency and other five Regency)	Yogyakarta HYATT REGENCY HOTEL
14 (Wed)	1) Meeting & Presentation 08:00 Meeting with Mr. Noro, JICA Expert. Sabo Center --- Meeting with OCHA / IOM and others (International organizations) 2) Return to Jakarta: GA 433: Departure from Yogyakarta at 15:30 / Arrival at Jakarta at 16:30 3) 19:00 Internal Team meeting	Jakarta NIKKO HOTEL
15(Thu)	1) am: Internal Team meeting 2) Courtesy call to: 13:30 The Embassy of Japan in Indonesia (Mr.Muronaga) Attaché to the Public Works 15:30 JICA Indonesia Office (Mr. Hanazato, Deputy Resident) 17:00 JBIC Indonesia Representative Office (tentative)	Jakarta NIKKO HOTEL

16 (Fri)	<p>1) Courtesy call to: (tentative) am: PII (The Institution of Engineers, Indonesia) Public Works, Secretary General pm: Coordinating Minister for People Welfare Minister of Social Affairs.</p> <p>2) Return to Japan:(Dr. Kiyono) <i>SQ167: Departure from Jakarta at 20:15 / Arrival at Singapore at 22:50</i> <i>SQ986: Departure from Singapore at 01:10(+1) / Arrival at Kansai at 08:35(+1)</i></p>	
17 (Sat)	<p>1) Return to Japan (Dr. Konagai, Dr. Teshigawara, Dr. Nakano, Mr. Ikeda) <i>JL726: Departure from Jakarta at 00:25 / Arrival at Narita at 09:45</i></p>	

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JAPAN SOCIETY OF CIVIL ENGINEERS

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Japan Society of Civil Engineers

Japan Society of Civil Engineers (JSCE) was incorporated in 1914 with a mission to “contribute to the advancement of scientific culture and the development of society by promoting the field of civil engineering, developing civil engineering activities, and improving civil engineering skills” (from JSCE Constitution).

Three pillars of JSCE’s activities are:

- Advancement of academic and technical fields
- Direct contribution to the global community
- Promoting exchange and new ideas

JSCE has over 40,000 members (as of Nov. 2005) consisting of educational and research institutions, construction companies, consultants, government offices and other relating organizations. Headquartered in Tokyo, JSCE holds 8 regional Chapters and 4 International Sections. Cooperation Agreement has been concluded with 24 equivalent overseas societies (as of August 2005). JSCE is a supporting organization of the Asian Civil Engineering Coordinating Council (ACECC), and thus taking on an ever -significant role in the international community.

The Organization for Promotion of Civil Engineering Technology (OPCET) was established in 2000 to assist the advancement of the civil engineering profession. One of the major activities is promoting Civil Engineers’ Qualification System of JSCE: mutual recognition of the qualification system with the Cooperation Agreement societies is in process.

Advancement of Academic and Technical Fields

JSCE works in collaboration with its peer societies to collect information and to engage in studies and researches in the civil engineering field.

More than 30 committees work conduct extensive studies and researches pursuing the state-of-art civil engineering technologies. The findings are shared widely throughout the civil engineering community, presented in lectures and symposiums, or published in forms of books.

In addition, the society offers JSCE Awards every year to recognize the outstanding engineers, civil engineering works, and newly developed technologies that have made considerable contributions to the civil engineering profession.



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Direct Contribution to the Global Community

JSCE contributes to the global community for its betterment:

- Dispatching investigation/ technical support teams to large-scale disaster afflicted areas to analyze causes
- Of the total 34 teams dispatched since 1998, 16 were to countries abroad
- Introducing experienced civil engineers through JSCE's Registration & Recruiting System of Senior Civil Engineers, and assisting to improve future civil engineering quality through Civil Engineer's Qualification System of JSCE
- Introducing the most current activities of JSCE on its website

JSCE has dispatched investigation teams to disaster-stricken areas thirteen times since 1999. The current ones are to Sumatra Island right after the 2005 Sumatra Earthquake and to Pakistan soon after the 2005 Kashmire Earthquake. Another team is going to Pakistan to conduct further investigations on-site.

Promoting Exchange and New Ideas

JSCE provides the members with information, forums and opportunities of social and academic activities for encouraging active exchange and the improvement of their professionalism.

Information Provision

Publications include the monthly magazine "Civil Engineering" in Japanese and quarterly journals. A quarterly English newsletter is published for the members residing outside of Japan.

Opportunities for Exchange

The JSCE Annual Meeting is held in fall, featuring International Roundtable Meeting, academic lectures and panel discussions on current issues surrounding the civil engineering profession. For overseas guest, special programs are arranged to encourage active exchange with their colleagues.

The International Summer Symposium and Student Tour Grant are a few of the opportunities of international exchange.

Joint seminars, symposia and workshops are organized with the Cooperation Agreement societies throughout the year.

Architectural Institute of Japan

Founded in 1886, the Architectural Institute of Japan (AIJ) has promoted the advancement and development of science, technology and art concerning architecture, with the mutual collaboration of its members. It was originally established as an institute for architects, with 26 founding architects. Mr. Josiah Conder, a British architect invited to teach at the Technical College in Tokyo (present the University of Tokyo) as a Professor of Architecture by the government, was elected as Honorary President of the Institute. The Institute was authorized by the Ministry of Education and changed its name to the Architectural Institute in 1905 and to the Architectural Institute of Japan in 1947. AIJ celebrated its centennial in 1986.

AIJ is an academic association with about 38,000 members. It is not a governmental organization but a non-profit organization for architects, building engineers and researchers in every field of architecture. AIJ publishes results of research and studies and spreads architectural culture through its programs such as exhibitions, symposia and distributes architectural information to the public. The main purpose of the Institute is to cultivate its members' abilities and to heighten architectural quality in Japan. Front-line researchers, officers of other architectural associations and officials of government and other public offices also are members of AIJ. AIJ liaises with universities and other research institutes. As the sole integrated institute in the field of architecture, AIJ has made an important contribution to the development of science, technology and art. There are many associations for architects, building engineers, general contractors, and building materials and equipment corporations in Japan. Among these associations, AIJ has been the most prestigious academic association.

AIJ organizes nationwide activities for its members. AIJ has nine chapters by dividing Japan into the following nine regions -- Hokkaido, Tohoku, Kanto, Tokai, Hokuriku, Kinki, Chugoku, Shikoku and Kyushu -- for activities to meet the detailed needs of each chapter. AIJ owns its head office building equipped with a library, a hall and conference rooms for members at the center of Tokyo.

Architectural Institute of Japan

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Holistic research activities

AIJ has conducted cross-sectional front-line research and studies covering broad areas of the field of architecture and building engineering because of its consisting of researchers of every sector and reflecting their whole range of expertise. This is one of the strong points of AIJ and also shows our policy. In other words, AIJ aims to study architecture synthesizing the knowledge of broad areas of the field of architecture and building engineering such as building structures and materials, architectural planning and design, environmental engineering, and architectural history and theory. AIJ recognizes that global and local issues of our environment and sustainable development require a holistic approach. Thus AIJ aims to conduct holistic, integral and collaborative research learning from experience and emphasizing architecture, which balances design and technology, and natural environment and city design and planning as a sole integrated institute in the field of architecture.

Activities for the public

A reconnaissance team consisting of specialists of various fields is organized when damage investigation is needed in the case of disasters, such as the Hanshin-Awaji Earthquake (1995), and the results are also generally released widely and proposals for disaster mitigation for the future are submitted to the government. High concern has been shown also in the preservation of historical buildings over many years. The *Modern Architecture : Inventory of pre-1945 Cultural Properties in Japan* was published. If demolition of those buildings becomes a problem, preservation requests have been submitted. Many buildings are saved and there are also buildings later specified as important cultural properties of Japan. AIJ strives for such buildings. AIJ also conducts the following activities for the public:

- Encourage policies and practices that promote environmental responsibility and awareness and the principles of conservation and sustainable development
- AIJ in June 2000 enacted the "Architectural Charter for a Global Environment."
- Set committees on international exchange as Japan's contact points for international architectural academic exchanges
- Spread Japanese architectural culture to the public
- Distribute outcomes of research and studies and architectural information to the public
- Organize open symposia, seminars and lectures about architecture for citizens in general and set up committees for them

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NPO

EWB-JAPAN (Engineers Without Borders, Japan)

Prospectus

Goals of the NPO, Engineers without Borders, Japan

Several devastating earthquakes have recently caused tremendous disasters all over the world. The disasters include the tsunami induced by Off-Sumatran earthquake of 2004, Bam earthquake, Iran of 2003, Niigata-Chuetsu earthquake of 2004, Japan and Pakistan earthquake, 2005. Storms and floods have also been resulted in huge losses of lives and properties.

Japanese academic societies such as the Japan Society of Civil Engineers (JSCE), Architectural Institute of Japan (AIJ) have contributed to the risk reduction of natural disasters worldwide by sending investigation/ technical teams, to investigate and analyze disasters and induced damages, and to make recommendations for disaster mitigation.

Prompt and appropriate advices from experts in the fields of civil engineering and architectural engineering are regarded valuable in long-term. However, the activities of engineers from the societies of civil engineers and architectural engineers are considered sufficient to reduce the sufferings of the afflicted people by natural disasters. The experts from the civil engineering and architectural engineering fields are strongly requested for their technical diagnoses of the causes of damages and advice and suggestions concerning effective rehabilitation and retrofitting techniques to apply to damaged buildings, dwellings and infrastructures such as roadways, railways, bridges and lifelines.

Lessons learned from past natural disasters have been included in teaching materials: they are utilized in disaster prevention education in Japan. However, there is very little disaster prevention education to promote the public awareness in developing countries. Due to the lack of correct knowledge and understanding of natural disasters, people can have groundless fears and take longer time to overcome their anxiety. Furthermore, public awareness and retrofitting information and techniques are expected to be promoted more widely, and increase the overall wellbeing of the people. Hence, there yet remains an important place for the experts from the fields of both civil engineering and architectural engineering for the education of the public for natural disaster mitigation.

It has been highly appreciated worldwide that various Japanese NPOs including medical aid groups have contributed greatly to relieve support of the people affected by natural disasters.

We, as the engineers from the fields of civil engineering and architectural engineering, hereby establish the NPO, Engineers without Borders, Japan (hereinafter referred to as the NPO, or the Organization) for the purpose of supporting directly the damaged areas and affected people and also developing activities to reduce the natural disasters within Japan and worldwide.

Activities

(1) Supports for restoration and reconstruction of the areas affected by natural disasters

The NPO's activities shall include the followings: (a) To diagnose damaged houses, buildings and civil-infrastructures such as bridges, port and harbor facilities, and riverbanks. If structures are determined serviceable suffering slight damage, (b) To advise appropriate repair works, and (c) To conduct reasonable and practical restoration works to affected areas

(2) Dissemination of technologies and know-hows for natural disaster mitigation

The NPO shall take the leadership for disseminating technologies for natural disaster mitigation by organizing seminars, distributing textbooks for better diagnosis and retrofitting of houses, buildings, civil infrastructures, industrial facilities and lifelines.

(3) Education for prevention and mitigation of natural disasters

The NPO shall edit and publish teaching materials and translate them into various languages for promoting public awareness and preparedness about disaster prevention that should be conveyed to the next generations. Educational programs for trainers shall be organized as well.

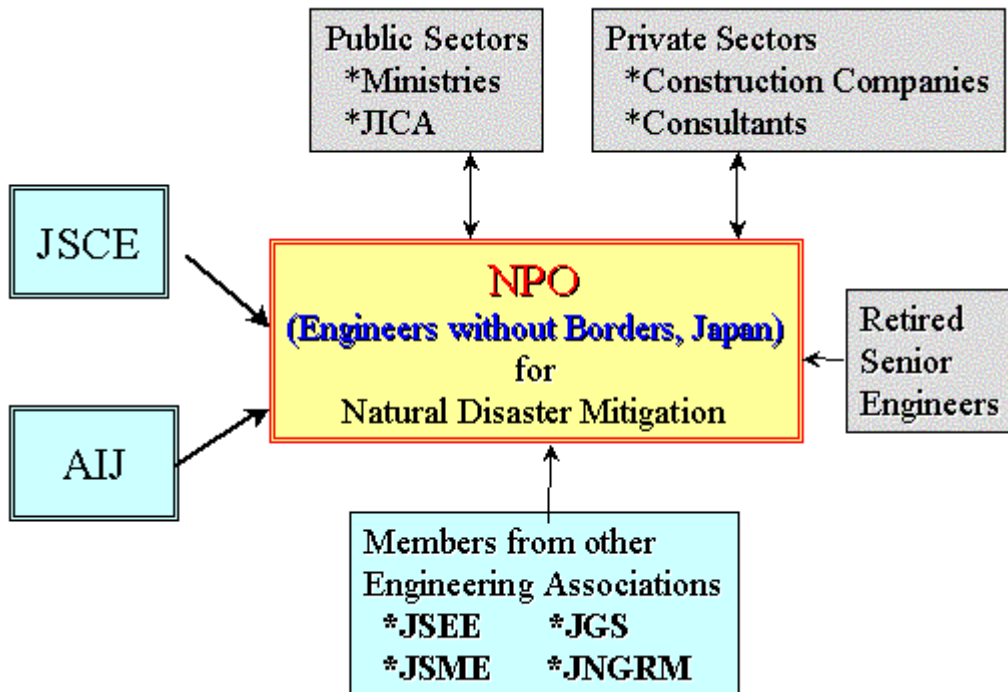
(4) Promotion of the international disaster prevention researches

Natural disasters such as earthquakes, storms and floods are the common problems that many countries have to deal with. The NPO will take an important role in promoting higher educations and researches worldwide, asking for collaborations of academic societies, major universities, public and private research institutions to join its activities. In addition, the Organization shall conduct international symposiums and exchange programs researchers for researchers and students.

Organization

The outline of the NPO shown in Figure 1 has been approved by both JSCE and AIJ, and the preparation for its launch is in progress. As it expands the field of activity, the Organization will receive supports from JSME (Japan Society of Mechanical Engineers) and/or IEEJ (The Institute of Electrical Engineers of Japan) in due time.

The Organization also shall collaborate with the Ministry of Foreign Affairs (MOFA), JICA and the Ministry of Land Infrastructure and Transport (MLIT), and solicit advice, suggestions and funds from private sectors for its sound steering. Though working as an independent organization, the Organization shall collaborate with existing NPOs in order to acquire the know-hows for effective and efficient business operation.



Engineers without borders, Japan and its collaborating agencies and institutions