

## Consulting services by AJCE members

### Capacity Building of Ministry of Public Works- Project Design and Quality Control, Afghanistan



**Client** ADB

**Financed by** ADB

**Achieved by** Nippon Koei Co., Ltd.  
associated with  
Louis Berger Group, Inc.,  
USA

**Period** December 2002- September 2003

**Services**

- ◆ Capacity Building
- ◆ Project Appraisal
- ◆ Feasibility Study
- ◆ Preparation of Bidding Documents

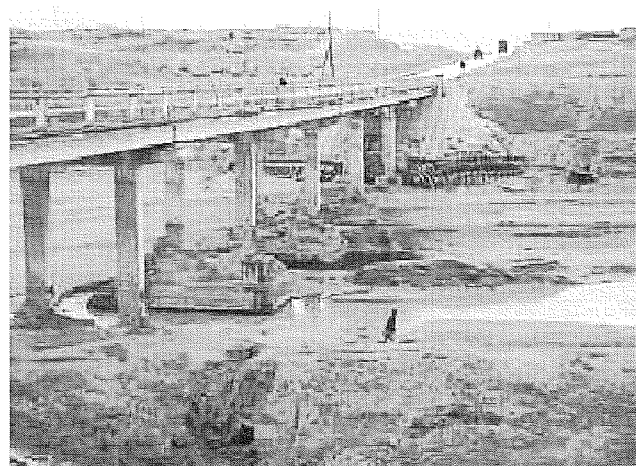
**Briefing** The objectives of the project were:

- ◆ to provide on-the-job training to the MPW staff to raise their capacity for project planning and implementation;
- ◆ to prepare an initial project appraisal, feasibility study and design-build bidding documents for 450 km of road rehabilitation works, between Pul-e-Khumri, Mazar-e-Sharif, Sheberghan and Andkhoy in Northern Afghanistan, being proposed in emergency under an ADB loan.

#### Details

Services carried out included:

- ◆ carrying out a preliminary appraisal of the proposed road rehabilitation project and preparing a preliminary estimate of construction costs and benefits;
- ◆ undertaking field surveys and in-situ pavement investigations to determine the required scope of road rehabilitation works;
- ◆ investigating the availability and cost of locally available and imported construction materials and preparing cost estimates for the road rehabilitation works;
- ◆ collecting traffic and economic data and carrying out an economic evaluation of the proposed road rehabilitation works;
- ◆ preparing design-build bidding documents for international competitive bidding; and
- ◆ providing training to MPW counterpart staff on pavement, topographical and traffic survey techniques, materials testing and economic evaluation of highway projects.



## Lower Mekong Hydrologic Functions, Cambodia / Laos / Thailand / Vietnam

**Client** JICA (Japan International Cooperation Agency) Mekong River Commission (MRC)

**Financed by** JICA, MRC

**Achieved by** CTI Engineering International Co., Ltd.

**Period** April 2001- May 2004

**Services**

- ◆ Technical Study and Analysis
- ◆ Institutional Strengthening
- ◆ Capacity Building

**Briefing** The objectives of the project were:

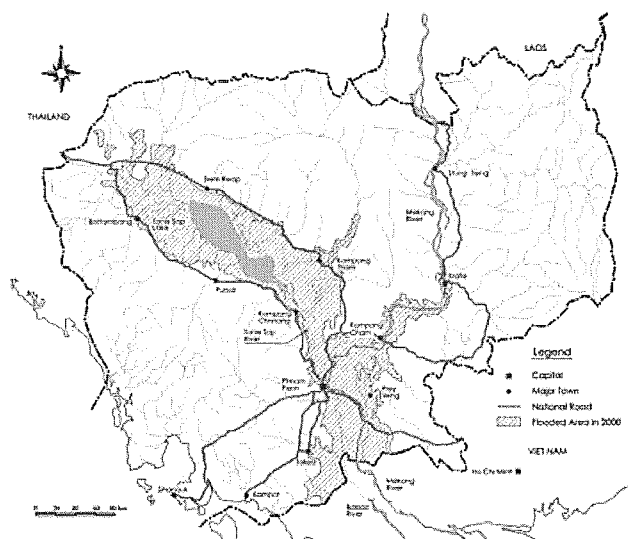
- ◆ to study the flow regime of the Mekong River system;
- ◆ to assist MRC with preparation of the draft Rules for water quantities / utilization; and
- ◆ to strengthen the institutional framework and capacity of riparian members and MRC.

**Details** The major facts verified through the project were:

- ◆ Flood attenuation effects occur in combination with flow into the bypass channels and over-bank flooding along the floodplains and the peak discharge of 51000 m<sup>3</sup>/s at Kompong Cham was reduced to 38000 m<sup>3</sup>/s at Phnom Penh in the 2002 floods;
- ◆ After the flood attenuation, floodwater conveyed to Phnom Penh was diverged into three channels at the Chak Tomuk junction and in the 2002 floods the flood peak of 38000 m<sup>3</sup>/s was distributed to the Mekong downstream at 25500 m<sup>3</sup>/s, to the Tonle Sap at 7300 m<sup>3</sup>/s as reverse flow, and to the Bassac River at 5200 m<sup>3</sup>/s;



◆ In the latter half of the flood season, the flow direction of the Tonle Sap changes towards the Mekong, discharging the water detained in the Great Lake through the Tonle Sap. Flow contribution rate of the Tonle Sap for the Mekong downstream was estimated at 40 to 60% from November to March, and 40 to 20% in April in the 2002/2003 dry season.



# Flood Protection and Drainage Improvement in the Municipality of Phnom Penh, Cambodia

**Client** JICA (Japan International Cooperation Agency)  
Municipality of Phnom Penh (MPP)

**Financed by** JICA, Government of Japan  
(Grant Aid Program)

**Achieved by** CTI Engineering International Co., Ltd.

**Period** March 1998- September 2004

**Services**

- ◆ Master Plan Study
- ◆ Feasibility Study
- ◆ Basic Design Study
- ◆ Detailed Design
- ◆ Construction Supervision
- ◆ Technical Advice to the Municipality of Phnom Penh on Resettlement

**Briefing** The objectives of the project were:

- ◆ To provide the MPP with protection to make it highly safe against flooding of the Mekong River system and to minimize flood damage; and
- ◆ To minimize inundation by local rainfall in the MPP and reduce inundation damage.



## Details

The project achievement included:

- ◆ Improvement of Svay Pak Drainage Sluiceway (with 3 Steel Gates);
- ◆ Reinforcement of Tompun Ring Dike (4.34 km with Asphalt Pavement);
- ◆ Improvement of Meanchey Drainage Channel in the Downstream (2.7 km with 3 Bridges);
- ◆ Improvement of Tompun Inlet Channel (1.1 km);
- ◆ Improvement of Salang Drainage Channel in the Downstream (0.9 km with 1 Bridge);
- ◆ Construction of New Tompun Pumping Station (5 Submersible Pumps, 15 m<sup>3</sup>/s);
- ◆ Construction of Tum Nup Toek Drainage Sluiceway (with 1 Steel Gate); and
- ◆ Construction of Salang Drainage Sluiceway (with 2 Steel Gates).



# Feasibility Study on Seismic Microzonation in Gujarat State

**Client** GSDMA (Gujarat State Disaster Management Authority)

**Financed by** World Bank

**Achieved by** OYO International Corporation

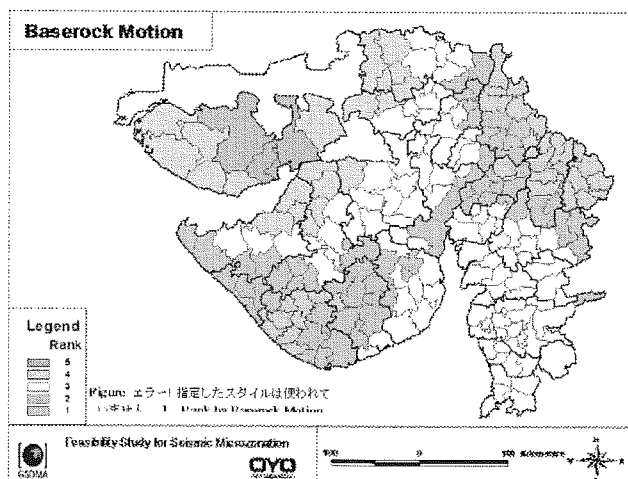
**Period** August 2003- March 2004

**Services** ♦ Feasibility Study

**Briefing** ♦ to prepare feasibility study on seismic microzonation in Gujarat state, in where an earthquake with magnitude of 7.6 hit the Kachchh region and more than 18,000 people lost their lives and about 170,000 suffered injuries in 2001.  
♦ the ultimate purpose of seismic microzonation should be to mitigate the earthquake disasters all over the state.

**Details** Following four activities were conducted in this study:

1. determination of feasibility for carrying out seismic microzonation;
  - ♦ the necessary information and data required for seismic microzonation were listed.
  - ♦ two levels of seismic hazard analysis were defined according to currently available data and information condition.
  - ♦ the necessity and availability of the data for the level analysis as well as the data sources were compiled.
2. identification of the most suitable urban area for seismic microzonation;
  - ♦ simplified natural hazard analysis for the state was conducted.
  - ♦ a software for overlaying fore natural hazards and three social conditions were developed for the analysis.
  - ♦ area for suitable urban area for seismic microzonation implementation were recommended based on total score, population growth, distribution of transportation facility etc.
3. detailed methodology for seismic microzonation;
  - ♦ two packages for hazard analysis were introduced for detailed methodology.
  - ♦ the methodology for integrated mapping of seismic hazard was described.
4. overall cost analysis for carrying out seismic microzonation.



# Construction Supervision on Batutegi Dam Scheme in Way Sekampung Irrigation Project, Indonesia

**Client** Ministry of Settlement and Regional Infrastructure

**Financed by** JBIC (Japan Bank for International Cooperation)

**Achieved by** Nippon Koei Co., Ltd.

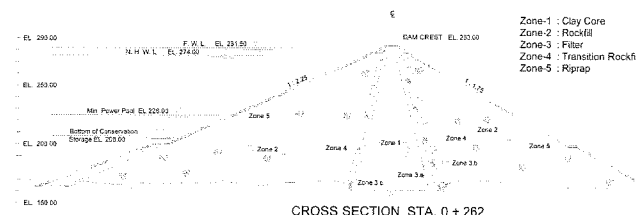
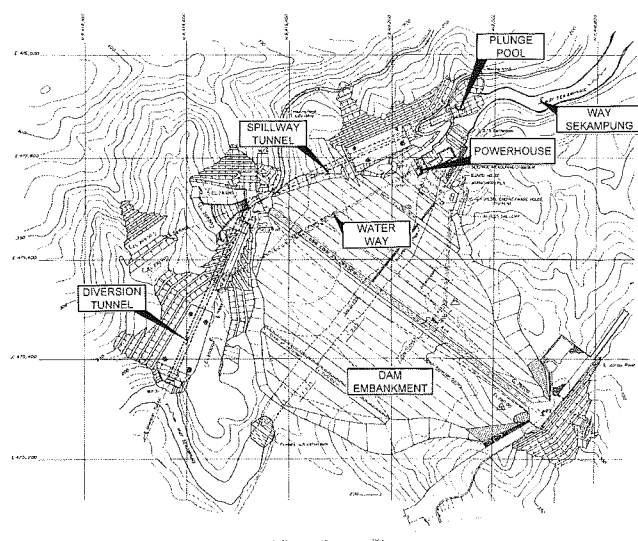
**Period** January 1994- April 2004

**Services** ♦ Design Review  
♦ Construction Supervision

**Briefing** The dam is located in the Lampung Province, Sumatra. The dam construction has brought:  
♦ an expansion of the irrigation area from 54,000 ha to 66,000 ha with a cropping intensity of 180 %; and  
♦ Power supply by a power plant of 28 MW in capacity.



The construction commenced in September 1995 and completed in November 2002. The impounding of the reservoir begun in August 2001 and the water level reached the full supply level in March 2004, during which the reservoir water was released for the irrigation and power generating purposes.



**Details** Salient feature of the dam is:  
♦ the type of center core rockfill dam;  
♦ the height of 122 m;  
♦ the crest length of 701 m;  
♦ the embankment volume of 9.6 MCM;  
and  
♦ the effective storage of 580 MCM.

Since the completion of construction, the dam behavior has been monitored with foundation and embankment piezometers, settlement meters, earth meters, earth pressure cells, v-notches, surface measuring points, and so on. Those data show that the dam behavior has been quite normal so far, which indicates the dam is of excellent quality. The monitoring is being continued by the government maintenance staff now.

## Mekong Riverbank Protection Around Vientiane Municipality in Laos

**Client** JICA(Japan International Cooperation Agency)

**Financed by** JICA

**Achieved by** NIKKEN Consultants, Inc.  
associated with NEWJEC Inc.

**Period** December 2001- March 2003

**Services**

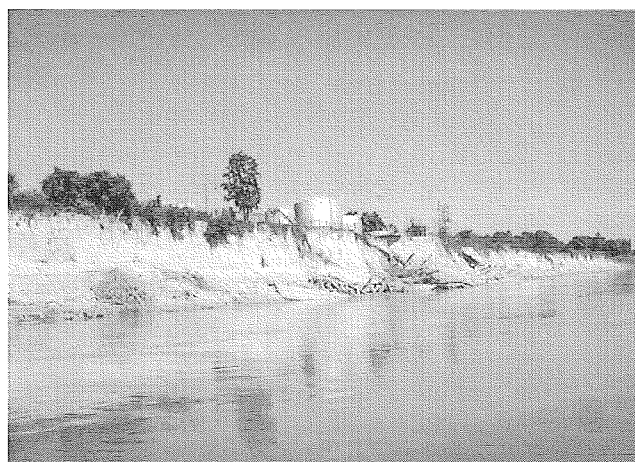
- ◆ Basic Study
- ◆ Facility Design, Construction Plan
- ◆ Pilot Works
- ◆ Master Plan

**Briefing**

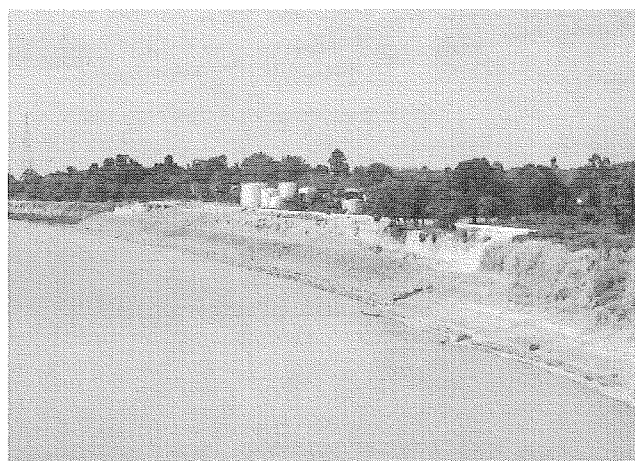
- ◆ Vientiane City has been suffering from damages due to riverbank erosion of the Mekong River. The damages extended to main roads, houses, oil stockpiling bases, factories and transmission network. The study aims to conduct study practical bank protection works with lower cost acceptable to the Mekong River and sustainable in Laos, introducing river works developed in Japan riverbank

**Details**

- ◆ Investigation of riverbank around Vientiane City
- ◆ Basic survey of whole Mekong riverbank
- ◆ Facility design and construction plan for pilot works
- ◆ Technology transfer
- ◆ Execution and supervision of the pilot works
- ◆ Seminar and technical guidance
- ◆ Monitoring of pilot works
- ◆ Formulation of master plan



Before Pilot Works



After Pilot Works



# The Study on Vientiane Water Supply Development Project , Lao People's Democratic Republic

**Client** JICA (Japan International Cooperation Agency)

**Financed by** JICA

**Achieved by** Nihon Suido Consultants Co., Ltd.

**Period** February 2003- March 2004

**Services** ♦ Master Plan  
♦ Feasibility Study

## Details

Services carried out included:

- ♦ Population and Water Demand Forecasts,
- ♦ Water Quality Analysis,
- ♦ Transmission and Distribution Pipe Network Analysis,
- ♦ Preliminary Design of Treatment Plants, Booster Pumping Stations, Transmission and Distribution Pipes,
- ♦ Preparation and Execution of Technology Transfer Plan,
- ♦ Preparation of Operation and Maintenance Plan and Human Resource Development Plan ,
- ♦ Preliminary Cost Estimates,
- ♦ Financial Analysis,
- ♦ Recommendation on Water Conservation and Water Demand Management.



## Briefing

The Project has the following objectives:

- ♦ To prepare a long term master plan for the Vientiane water supply System. Target year of the master plan was year 2020; target year of facility planning was year 2015,
- ♦ To conduct feasibility study on priority projects identified in the master plan,
- ♦ To pursue technology transfer to the counterpart personnel in the course of the Study.



## The Project for improvement of Water Supply Facilities in Ulaanbaatar, Mongolia



**Client** JICA (Japan International Cooperation Agency)

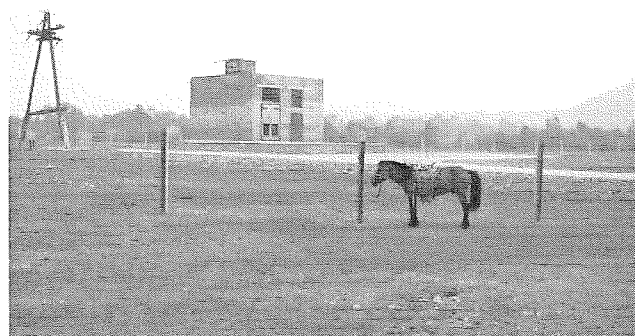
**Financed by** JICA

**Achieved by** NJS Consultants Co., Ltd.

**Period** June 2003- October 2004

**Services** ♦ Basic Design Study.  
♦ Detailed Design.

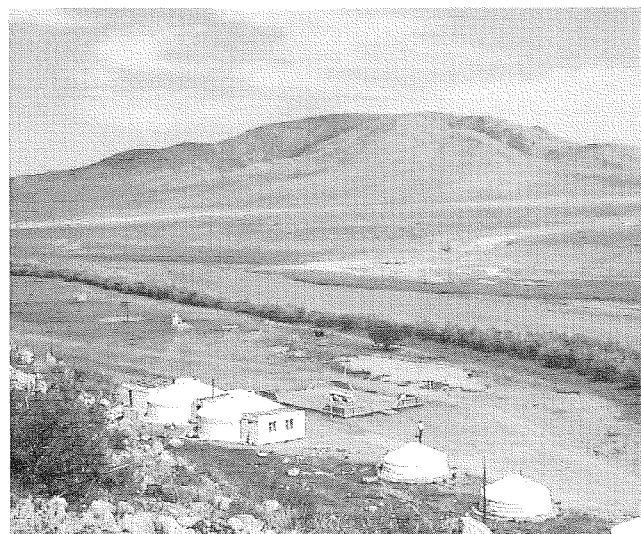
**Briefing** ♦ to prepare basic design study on the project for improvement of water supply facilities in Ulaanbaatar  
♦ to prepare tender documents including drawings and specifications.



### Details

Service carried out included:

- ♦ Review of future water demand.
- ♦ Planning of water source development
- ♦ Planning of pumping facilities renewal
- ♦ Planning of transmission facilities improvement
- ♦ Planning soft components
  - Business structure strengthening
  - Efficiency increase of water supply facilities operation and management
  - Leakage detection
  - Environmental water quality monitoring
  - Public relations improvement





# Sabo and Flood Control for Western River Basins of Mt. Pinatubo, Philippine

**Client** JICA (Japan International Cooperation Agency)

**Financed by** JICA

**Achieved by** Nippon Koei Co., Ltd.

**Period** March 2002- September 2003

**Services** ♦ Master Plan  
♦ Feasibility Study



**Briefing**

- ♦ to prepare master plan study on sabo and flood control for the western river basins of Mt. Pinatubo (Buciao, Maloma and Sto. Tomas River basins)
- ♦ to prepare feasibility study on urgent schemes identified in the master plan in order to control and mitigate damages of floods and mudflows caused by the pyroclastic materials deposited by the eruption in 1991
- ♦ to assist disaster rehabilitation and economic development in the study area

## Details

Services carried out included:

- ♦ preparation of GIS database and hazard map;
- ♦ flood flow and mudflow analysis with modeling and simulation;
- ♦ planning structural measures such as consolidation dam, sand pocket, protection dike, and reconstruction of bridges;
- ♦ planning non-structural measures such as warning and evacuation system, and watershed management;
- ♦ planning community-based disaster prevention systems such as agricultural development on lahar area and community road rehabilitation.



## Consultancy Services for Second Mekong International Bridge Construction Project

**Client** JICA (Japan International Cooperation Agency)  
Ministry of Communication, Transport, Post and Construction,  
Lao PDR and Department of Highways,  
Ministry of Transport and Communication, Thailand

**Financed by** JBIC (Japan Bank International Cooperation)

**Achieved by** Oriental Consultants, Japan  
Nippon Koei, Japan  
Asian Engineering Consultants, Thailand  
Lao Transport Engineering Consultants, Lao PDR

**Period** March 1999- September 2006

**Services** ♦ Basic Design  
♦ Detailed Design  
♦ Construction Supervision

**Briefing** The firm participated from B/D stage and now proceeded to construction supervision. The consulting services were divided into three portions, Package 1, Package 2 and Package 3 as follows:  
♦ Package 1: Main Bridge, Approach Viaducts, Approach Roads at both sides, and Traffic Changeover Facility  
♦ Package 2: Border Control Facility and Connecting Road in the Lao PDR side,  
♦ Package 3: Border Control Facility and Connecting Road in the Thailand side.



### Details

Services carried out included:

- ♦ Topographical, Geological and Hydrological Survey
- ♦ Conceptual design of the Main Bridge and other Facilities, and Basic design of the Main Bridge
- ♦ Detailed design of the Main Bridge, Approach Road, etc
- ♦ Preparation of Contract and Bidding Document,
- ♦ Pre-qualification of Tenderers and Bid Evaluation
- ♦ Construction Supervision as the Engineer

## AJCE standing committee report

### Corporate Social Responsibility and the AJCE Ethics Committee

**Shigeatsu TAKI**

Chair  
Ethics Committee, AJCE

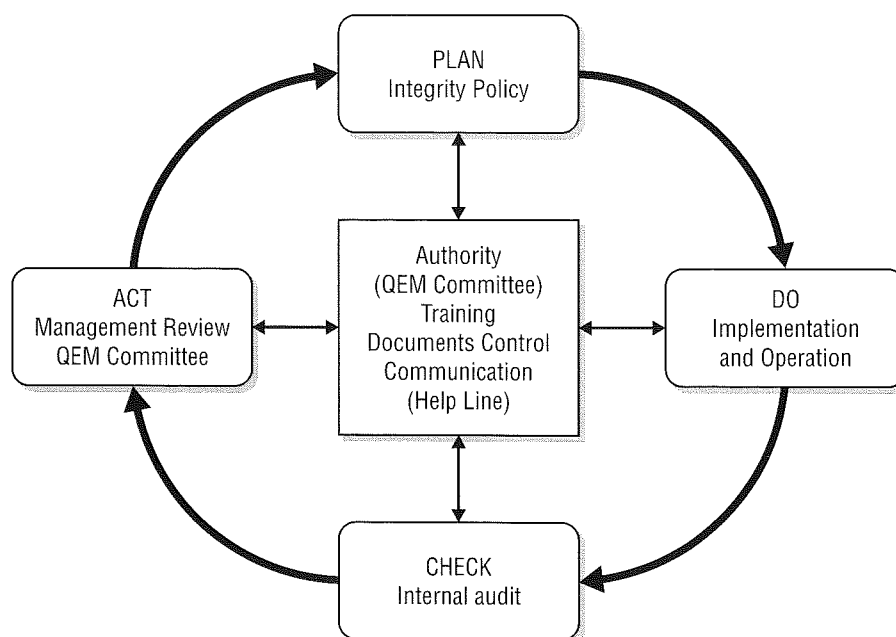


A "Corporate Social Responsibility (CSR)" boom is seen in Japanese industries in the last couple of years. Leading companies are now disclosing their corporate governance related to employment issues and operation of compliance program by releasing respective CSR Report or Sustainable Report. Those recent incidents and misconducts caused in the industries realize the boom, and the related companies intend to raise their corporate values through the reports, which describe their immediate corrective actions to those incidents, and obtain understanding by various stakeholders.

Most of AJCE member engineering firms are now operating compliance programs on their engineering services emphasizing measures for compliance of

anti-trust law. AJCE Ethics Committee is studying the performance of those compliance programs and trying to disseminate major cases of the programs to the members through AJCE publications.

One of the good examples is shown in NIKKEN Consultants, Inc. They started operation of a compliance program since June 2003 based on FIDIC BIMS (Business Integrity Management System) and ISO 9001 Quality System. NIKKEN's program provides risk hedging for business expansion, immediate and adequate actions against emergence of misconducts, and structuring a system to prevent violation of the laws in daily operations. NIKKEN's program is illustrated below:



NIKKEN's top management plans the compliance system, evaluates the performance, maintain and improve the program continuously. They operate the program aiming at good quality control for design and engineering services, creating ethical and professional corporate culture, and environmental conservation in conjunction with ISO 14001 Environmental Management System.

AJCE Ethics Committee is continuing to monitor the performance of the Members' compliance programs and intends to share such information within the AJCE Member firms.

## Planning Committee activity report

**Konomu UCHIMURA**

Chair  
Planning Committee, AJCE



The TOR of Planning Committee is as follows.

- ① Planning of a long-term plan concerning association administration
- ② Relate to articles of association
- ③ Relate to a rule of association
- ④ Cooperation with other domestic associations of consulting engineers(CEs)

2004 carried out following activity about TOR mentioned above.

After bubble collapse of the later half of 1990's, Japanese economy is stagnant, and reduction leads to a consultant market. As a result, by member numerical decrease of AJCE, the financial situation of association adds to strictness. Through the member's increase measures and the trusts of

investigation of information to relate to CEs, we planned to reinforce a financial base of AJCE and to maintain activity.

To articles of association revision of FIDIC, we made revision plan of articles of association of AJCE. A main change point decides to be "Impartial" not "Independent" from Contractors in a qualification of a member, and it is to magnify a range of a member.

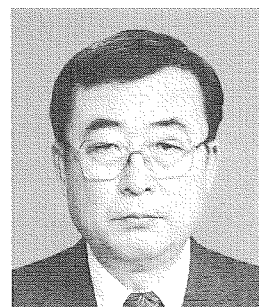
Representing Japanese CEs, AJCE is a member of FIDIC. But the association where CE belongs to in Japan has a plural number according to a engineering field. AJCE cooperated with these plural associations and worked on promotion of QBS was aimed for enhance the social position of CEs.

## Role and Activities of the General Affairs & Finance Committee

**Masafumi MIYAMOTO**

Chair

General Affairs & Finance Committee, AJCE



The role of the committee, as prescribed in the TOR, is i) preparation of budget and assessment of the statement of the accounts for each fiscal year, and report to the board of directors, ii) provision of necessary resources, such as personnel, office and equipment, to sustain AJCE activities under the direction of the president, iii) preparation of the detailed AJCE regulations based on the articles of the association, and iv) miscellaneous issues directed by the president or the board. As seen in the above, the role of the committee is secretarial one. Activities of the committee are, therefore, carried out mostly behind the scenes, nevertheless these are

indispensable for the operation of AJCE.

The revenue of AJCE has been decreasing for years because of the shrinking public investment and the consequent shrinking market for Japanese consulting engineers. As a result, AJCE has been facing financial difficulties. The committee has a headache when it prepares the next year budget. In order to solve the problem and to strengthen the financial status of AJCE in the long run, the committee has to work out measures to increase the revenue. Cooperation with the committees is always sought in this regard.

## Membership Committee Report of 2004

**Takeaki TOMOSAWA**

Chair

Membership Committee, AJCE



### 1. Members of Committee

The year 2004-2005 Committee is in activity by following members.

Takeaki Tomosawa ( Chair )  
Kouichi Gotou ( Vice-Chair )  
Kazuhiro Asada  
Kazumasa Itou  
Shizuo Ouno

Tnenobu Moriya  
Takeo Yamazaki  
Noriaki Yoshida

### 2. Terms of Reference

- a) To consider the requirements for AJCE membership.
- b) To consider ways to increase membership.



### 3. Activities in 2004-2005

Three Activities as follows were held at the beginning of 2004.

- a) Review of the Reports on admission or withdrawal.
- b) Presentation of the Idea of ways to increase membership.

c) Update of the Name-list of non-member CE firms for recruit.

Membership Committee has a regular meeting every two months, every time at the meeting a), b), and c) are being discussed.

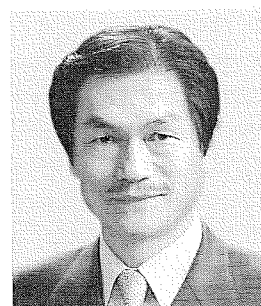
Especially about b) we are making some leaflet for the recruit.

## Annual Report on International Activity Committee (IAC)

**Akihiko HIROTANI**

Chair

International Activity Committee, AJCE



Engineer has been expected these days to be not only designer but comprehensive manager of social project and asset management despite being delivered from public or private sector. Although what means this could be deemed as enlarging the fields of engineering and entrusting more important responsibility with us, this kind of challenge would require almost thorough reform of both business practice and our own mindset. Recent focus on controversial issues like engineer's fee, selection, liability and/or ethics should be able to be considered in line with this crucial context. Having this perspective, International Activities Committee (IAC) has started its task since 2000, keeping close connection with FIDIC to help member firms of AJCE being informed by using internet of what FIDIC and overseas firms participating there have done and will do. IAC also raises a proposal to the management level of AJCE for their decision on critical international issues through persistent analysis and intensive discussion in plenary meeting and its sub-committees. With introducing our sub-committees, activities of IAC during last one year are as follows;

### **BUSINESS PRACTICES SUB-COMMITTEE (BPSC)**

Business practices subcommittee performed a main part of tasks to create a publication of a FIDIC's

guidebook, "Improving the Quality of Construction: A Guide for Action" in 2004 which has spent almost three years with tremendous efforts with colleagues of FIDIC since 2002. The subcommittee completed its tasks and dissolved last fall after the guidebook was approved at the General Meeting of FIDIC in 2004 held in Copenhagen. The guideline can be available for anyone who is struggling with keeping quality of construction in a satisfying level without regard of contractor, engineer or owner of the project. The subcommittee also drafted "FIDIC policy on quality of construction" and it has come into one of the present FIDIC Policy. Now members are seeking new tasks along with devoting themselves into compiling the history of AJCE for its 30 years' progress.

### **CAPACITY BUILDING SUB-COMMITTEE (CBSC)**

Capacity Building Committee (CBC) in FIDIC has been renewed from former related taskforce and approved as a standing committee at EC(Executive Committee) in Tokyo on May 2004, because of the increasing awareness of importance of CB activities worldwide. Succeeding FIDIC 04 in Copenhagen in September decided its new TOR and Action Plans as well as new CBC members. IAC recognized its importance to organize a related sub-committee of CBSC immediately so as to disseminate information

of CBC including an introduction of related FIDIC documents to AJCE member firms. IAC and CBSC have reviewed CB manual and discussed about its usage since last year, we will then seek the opportunities with FIDIC to participate on the CB programs between AJCE and MAs of developing countries.

### **IFI SUB-COMMITTEE (IFISC)**

IFI subcommittee (International Finance Institutes' sub-committee) was formed in April 2004. This subcommittee has been working on the following activities to monitor the FIDIC NEWS for obtaining the latest information and the trend of public opinion on various issues related to the consulting engineering industries, such as contracts, business practice, integrity management, etc. It has been worked as an another important role to prepare an extracted summary of the news in Japanese and release it to AJCE's homepage and Journals. These information will be also available on the homepage of ASPAC(Asian-Pacific Regional Group of FIDIC) soon after now-going technical coordination between AJCE and ASPAC is completed. Furthermore IFISC are getting at the information on coming BIMILACI(Biennial Meeting of the International Lending Agencies with the Consulting Industry) held in April at Washington DC.

### **QUALITY BASED SELECTION SUB-COMMITTEE (QBSSC)**

Quality Based Selection Sub-committee (QBSSC) has taken two important responsibilities which involve both promoting QBS to our clients and cooperative work with three other domestic associations contributing to international engineering firms like ECFA, IDI and JCCA. As for promotion of QBS, we have followed up selection of consultant by

ADB based on the proposal of "Execution of Monitoring Plan" submitted to ADB in April 2003 by AJCE. This task seems quite tough work to do due to the unsatisfactory disclosure policy of ADB so that we haven't been able to get an enough achievement though. IAC then will ask member firms to fill out a questionnaire which has already been ready to provide by the end of the last year. QBSSC has also started the translation of the selection guideline of FIDIC, which will be available as early as possible. Another activity of cooperation with the domestic associations has been successful to prepare the promotional brochure of QBS for clients in Japan. Adding to that, numbers of meetings have lead four associations to the agreement for the future cooperation which involves issues on both "adequate selection of consultants" and "public relations to enhance engineer's image".

Other than these sub-committees, we have launched a new one called Contract Sub-Committee (CSC) which is organized to review and disseminate new documents of standard contract issued by FIDIC or IFIs. Member of the sub-committee soon will be at work after completing the efforts of harmonization of documents between FIDIC and IFIs.

Members of IAC have thus devoted themselves to tough but inspiring challenges to share the benefit from valuable information over the international engineering industry with as many consultants and their firms as possible for a thriving future. Some members are strongly involved in the FIDIC's committees or committed to a cooperation with the related associations besides their own engineering work. IAC will go on this way for coming new fiscal year with your kind cooperation and help.

## Interchange of Technology Committee during the Year of 2004

**Takenori NAKANISHI**

Chair

Interchange of Technology Committee, AJCE



During past two years (2002 and 2003), this committee performed to release the results of the members' research at various fields and have the small seminar by Dr. Koyama, Research Advisor Emeritus, Central Research Institute of Electric Power Industry Japan on Atomic Power including Nuclear Fuel Reprocessing.

This Committee Members is mostly one-man office individual CE of various fields namely not belongs to any CE firm. Therefore one of most important activity of this committee would be exchange communication and information to support their own business. They access their business to not only local market but also international market and recently their business is developing at China to assist Chinese CE.

On 2004, this committee was created three sub-

committees such as China-Project, Environment Issue and Management Quality. The Sub-committees Members prepare reports of their responsible area and Monthly meeting of this Committee release their study and discuss.

China Project Sub-Committee release their research of Chinese CE Industry situation and subject as developing country and discuss how to realize exchange with Chinese CE on mutually further development on particular projects.

Environment Issue Sub-committee release members' enforcement such as Global Warming, Energy Recycling, Water, Soil and Living Thing at home and abroad to make good use of CE Industry.

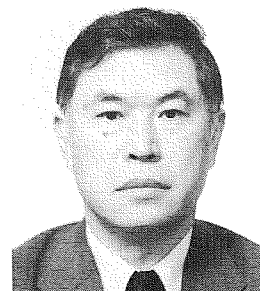
Management Quality Sub-Committee discuss how to introduce method of Management Quality at Industry in order to aim higher quality products at CE industry.

## Activities of Professional Training Committee (PTC) in 2004

**Shigemichi HATAO**

Chair

Professional Training Committee, AJCE



PTC (Professional Training Committee) has been responsible for the programs and activities related with professional training of the AJCE members,

which are implemented by four (4) sub-committees for ①Support for Seminars and Events, ②FIDIC Policy Promotion, ③Training Promotion and

#### ④ YPF/YPEP (Young Professional Forum / Young Professional Exchange Program).

The Year 2004 is a very special time for AJCE, because it commemorates the 30th year anniversary after it was established in 1974. For this memorial celebration, a special task force was organized in AJCE and PTC shared the special task for the events of the anniversary in addition to the regular tasks which are usually undertaken.

On the occasion of the 30th anniversary AJCE organized ECM (Executive Committee Meeting, No.157) of FIDIC at Tokyo on May 18 and 19, 2004 and a special memorial symposium was held on May 20 at Kojimachi Kaikan, Tokyo, for which PTC made its full support and cooperation. The symposium was given a title as *"Challenge for Changing Value - Consulting Engineer as Responsible Partner"* and the speakers were the chairman and the EC member of FIDIC, the chairman of AJCE and Dr. Kusayanagi, Professor of Kochi University of Technology. After the symposium a panel discussion was made among the guest speakers and the floor attendants and with a focus to quality of the consulting service, possible appropriate method for procurement of the consulting engineers was discussed. QBS (quality-based selection) which is recommended by FIDIC and is widely employed for the public works in US was highlighted.

The above theme regarding procurement method was followed again at the AJCE annual seminar 2004 held on November 19, 2004, for which the title was given as *"How to Select Consulting Engineers (Case Study on QBS Aiming at Public Benefits)"*. It is commonly recognized that quality is quite essential especially for infrastructure development and the consulting engineers are responsible for the quality. However, it is feared that if the consultants are selected only based on cost in competitive bidding, the quality service might not be maintained. This might result in provision of low quality structures in the society and eventually cause loss to people (tax payers).

On October 8, 2004, the annual regular seminar was held among the members to make a report on the various discussions and topics at the FIDIC 2004 conference in Copenhagen. Another seminar was held by Training Promotion Sub-Committee on contractual disputes in overseas road construction projects on April 16, 2004.

The FIDIC Policy Sub-Committee completed

translation of "A Unique Capacity to Address the Priority" published by FIDIC. This Sub-Committee made continuous support to Sustainable Development Task Force of FIDIC.

YPF proposed to establish Net Discussion Forum for the next FIDIC annual conference in Beijing. YPEP was implemented for the period from October 16 to November 12, 2004, by inviting 6 young professionals from Australia to 6 host companies in Japan. On the last day of the YPEP the Young Summit was held among the young professionals of the both countries and fruitful discussions were made to mutually understand the difference of culture and manner of consulting business between the two countries.

#### Activity Report of AJCE-YPF at FIDIC Copenhagen conference 2004

During the conference, FIDIC-YPF carried out three activities.

First one was the survey for the young professionals (YPs) activities of each MA (Member Association) in order to know the present condition and to consider what to do. We had been preparing the questionnaire to survey and on the first day, around the reception, some of AJCE attendances asked the participants to fill the questionnaire. Finally 25 replies came into the collection box before the end of the conference.

Second one was to join the Executive committee of FIDIC-YPF. Six people from AJCE joined and discussed organization and management of the YPF. Mr. Akinaga of AJCE-YPF became Chair of FIDIC-YPF. The Executive committee was changed into "Steering Committee" consisted of 13 MAs.

The third one was to contact the young participants for YPF future activities. At the MTPYP (Management Training Programme for Young Professionals) meeting, Mr. Akinaga explained the short history of FIDIC-YPF, Action-Plan and the annual schedule for the Beijing Conference in front of the 40 YPs. The Net Discussion Forum in the FIDIC-Web site was shown then the young participants were interested in it. The Net Discussion Forum had been proposed by AJCE before and it was available. We could have the list of discussion topics and discussed successful approaches of the Net Forum.

#### AJCE 30th Year Anniversary Symposium

On 20 May 2004, AJCE celebrated its 30th anniversary with the attendance of directors of FIDIC board. For celebrating the anniversary, AJCE's

Professional Training Committee hosted 30th Anniversary Symposium focusing on the survival of consulting engineers with several guest speakers.

At the beginning, Mr. Richard Kell, FIDIC chairman, made a keynote speech titled 'Challenges and Solutions'. He showed his general view about the problems we are facing such as globalization, sustainability vs corruption, procurement and selection, risk and liability, and technology and quality, our efforts and challenges to be made for survival, and FIDIC initiatives for assisting CEs such as the provision of Selection Guidelines, Quality Management Guide, and Guide for BIMS. He also expressed his expectation of AJCE's contributions to deliver sustainable solutions in the best interests of our generation and futures ones along with FIDIC. Then followed the presentation by Professor Kusayanagi of Kochi University of Technology. He discussed the necessity of making construction processes open to public in Japan and the importance of CEs' role for these open processes. Mr. Tokuji

Tomaru, AJCE's President, made the next presentation about what are needed to CEs such as trust, technology, ethics, and self-reforming capability, and a system surrounding construction of which citizens are convinced, as well as historical CEs' roles in Japan. Finally, Mr. Thomopoulos, a member of FIDIC board, discussed the importance of QBS for CEs' selection by the introduction of the history of QBS in A/E selection supported by Brooks Act in USA and the case study for comparing QBS vs QCBS.

After the above presentations, a panel discussion with guest speakers as well as participants in the venue was held and the ways of establishing QBS in CEs' selection in Japan were discussed. Through the discussion, it was found out that the way of making citizens understand the value of quality should be carefully considered and that AJCE's further efforts along with its collaboration with other engineering associations are important.

## Activities of " Information and Publicity Committee"

**Nobuo ENDOH**

Chair

Information and Publicity Committee, AJCE



The purpose of the Committee is to activate the communications among the CE members of AJCE and also to introduce the activities of AJCE to public as government and private sectors inside and outside of Japan.

The Committee is due to work for the following items.

1) Publication of AJCE bulletin

The bulletin (in Japanese) was first published in 1977, and has been issued 106 volumes since then, three volumes a year. The bulletin contains such articles as announcements to CE's, seminars and training programs, information and report from

FIDIC meetings, international exchange meetings with FIDIC member associations and other organizations concerned, business information, technical information and so on.

The bulletin also has columns for CE members to provide them spaces to exchange their opinions and proposals to the activities as well as news from AJCE secretariat.

On the top-page of the bulletin, statements concerning the management and administration of AJCE given usually by the board members are presented on the purpose of enhancing the members understanding and cooperation for AJCE.



## 2) Publication of AJCE Newsletter

The Newsletter (in English) was initially issued in 1977 in order to disseminate the activities of AJCE specially outside of Japan, and has been published and distributed once a year toward overseas governmental and private organizations, FIDIC headquarters, FIDIC member associates, UN group organizations, international finance institute group, embassy of various countries and etc..

The current issue specializes to the articles about the thirties anniversary of AJCE.

## 3) AJCE Homepage

To the AJCE homepage, the following information is to be referred (<http://www.ajce.or.jp/>.)

### a) What's New

Latest news of AJCE activities and coming events information are shown on this page.

### b) About AJCE

Answers to question of "what's AJCE " are found in this page. The articles of the Association, Organization, Board Members, Committees Activities, Member Companies and other features are shown here.

## c) AJCE News

Activities as technical seminar and training programs, reporting papers of FIDIC conferences and bi- or multi-lateral exchange meetings, technical and social events of AJCE are seen in this page.

## d) Publications

Current list of FIDIC and AJCE publications are introduced here.

## e) Links

Web-site links to FIDIC headquarters, member associations and overseas and domestic organizations concerned are found here.

## 4) Introduction of publications

AJCE collects current information related to CE activities and overseas contractual standards and their Japanese versions. Introduction of these publications is a part of the activities of the Committee.

## 5) Editing of "Memorable Issue"

Memorable issue of 30th Anniversary of AJCE has been edited and is to be distributed among the members this year.

## A Letter From AJCE Office

We are pleased to send you the 26th issue of Newsletter.

As described in each article, with great thankfulness to every one of you, AJCE 30th anniversary was celebrated last May, and the great success of each special commemorative event including FIDIC Executive Committee Meeting (on 18-19 May), the Memorial symposium entitled "Challenge for Changing Value - Consulting Engineer as Responsible Partner" (on 20 May) and the memorial party after the symposium has now become one of the most unforgettable brilliant phase through the entire history of AJCE and it shall always remain happily in each one of your memory.

Now, to engrave this commemorative moment, we are nearly on the final stage of editing AJCE 30 year commemoration book in CD-ROM (only in Japanese) which contains a number of precious stories and photographs of the 30-year journey from the start of its foundation to the bright present.

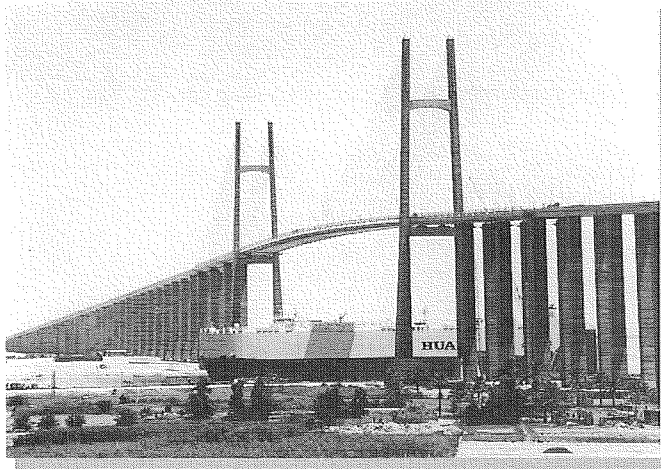
As for the other remarkable activities of this year, in September, nearly 30 attendants including not only AJCE members but some non-member young engineers who are truly interested in AJCE activities gathered at FIDIC annual conference 2004 in Copenhagen, in which many warm discussions were held, especially remarkable proposal at Young Professional Forum was able to attract many young participants' interest toward the establishment of the Net Discussion Forum in near future. It certainly was the beginning of crossing the "dream bridge" toward the next conference in Beijing in which lots of energetic discussion about more active and efficient operation of the Net Forum will be expected.

We have a Japanese proverb that "In the autumn the sun sets as fast as a bucket falls in a well." and, yes, it was felt like the days did fly just as fast as falling a bucket last autumn because we organised and carried out the annual events as follows one after another.

In October, soon after the FIDIC conference report seminar which we hold regularly among the members, we started Young Professional Exchange Programme (YPEP2004). This time we invited 6 trainees from Australia, and it, as detailed in each of their report, succeeded fruitfully through the lots of interesting cultural and social exchange experiences. Especially, the topic of professional development of young engineers which discussed actively at Young Summit was regarded to be important and this subject will be carried over to the YPEP 2005 exchange programme which is going to be held in Australia in coming October. We are planning to send several Japanese trainees out to this programme.

After the YPEP2004 finished, we held the annual seminar among members with the theme of QBS. The seminar was highly regarded and there are still hundred mountains to go over that we keep on trying to examine both domestic and international precedents and find an answer how to definitely meet the subject.

Now, spring has just come around again. By the time you received this issue, Japan will have started to be covered with the colour of cherry blossom. Presumably it reminds you of various images or views upon your mind. Whatever they are, we hope in this new year round that you will reach your highly targeted aspiration and to make our wish come into full bloom.



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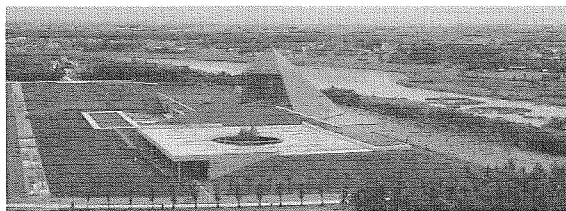
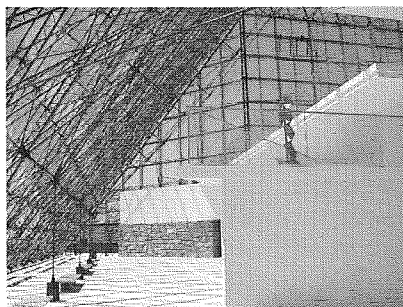
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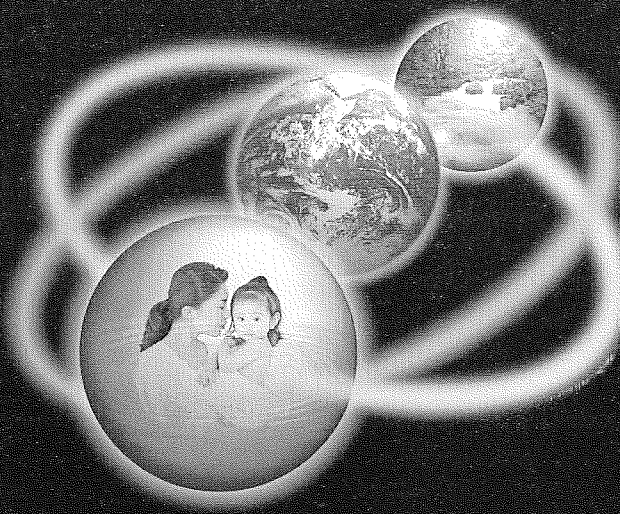
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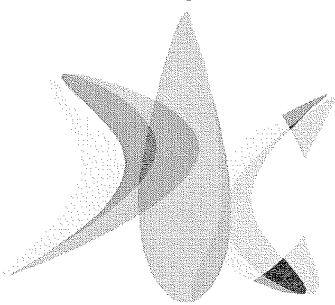
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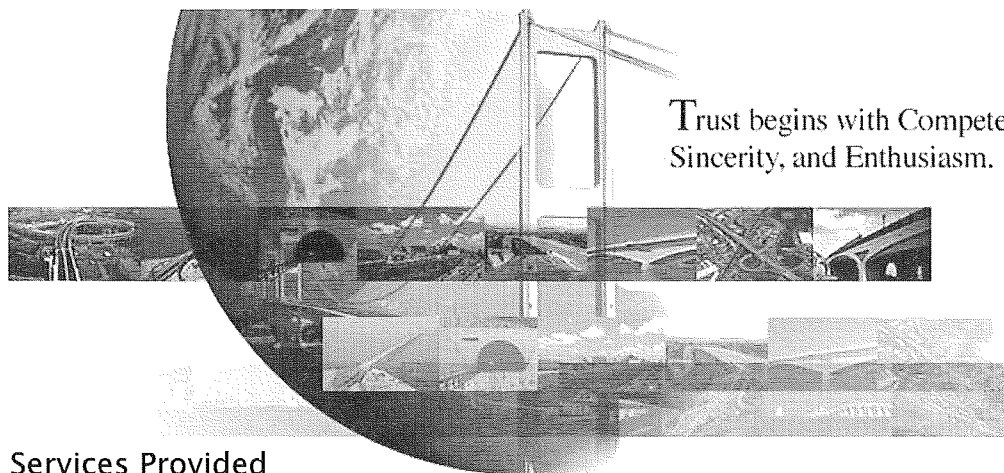


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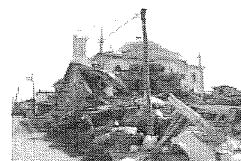
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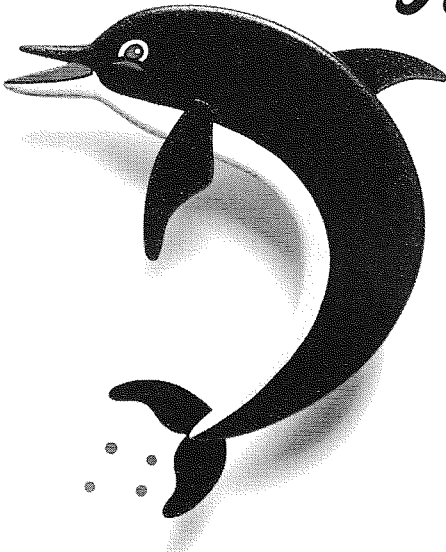
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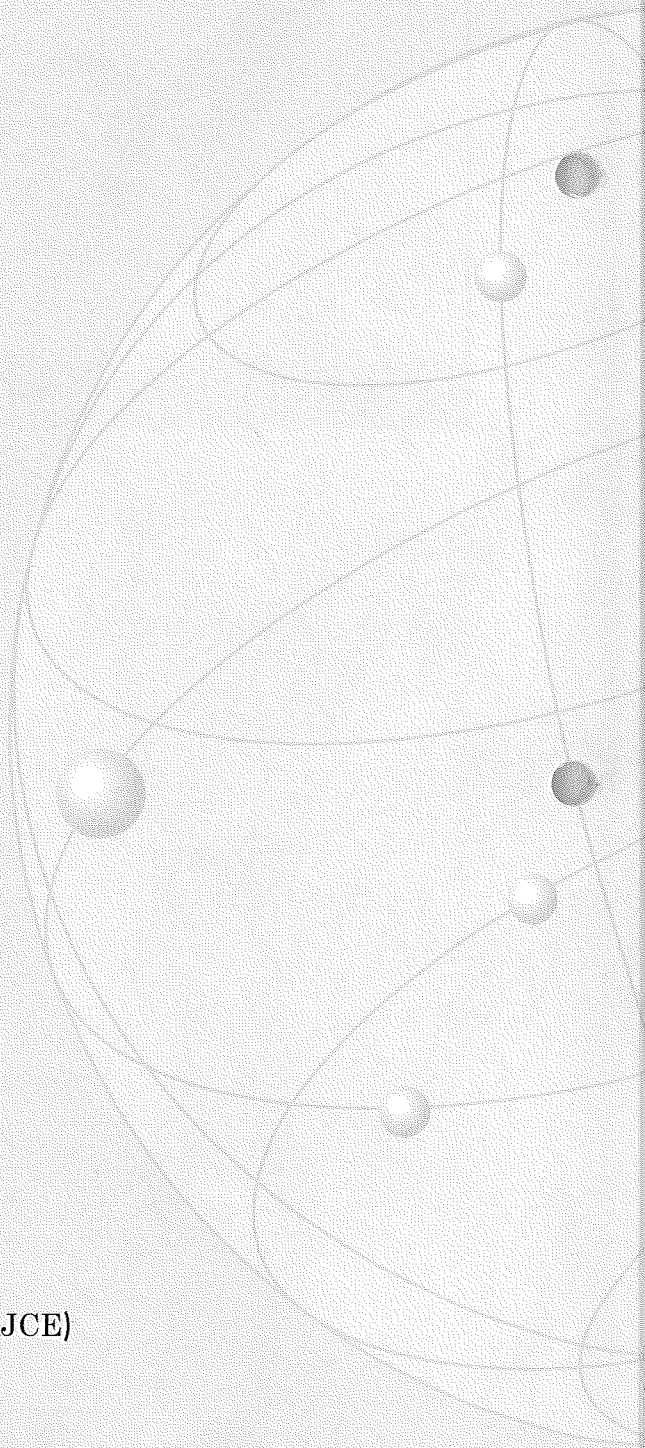
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