

## 15. JICA-NICED Collaborative Project

### Summary of Activities of the Project

The, Phase 2 of the Project was launched from 1<sup>st</sup> July, 2003, with the purpose of Technology being established and improved at the National Institute of Cholera and Enteric Diseases (NICED), and expanded throughout the country for the control of diarrheal diseases.

### Activities of the Project

Project activities are going on at NICED with the three-fold program of dispatching Japanese experts to NICED, accepting Indian counterparts for training in Japan and providing state-of-the-art equipment, to carry on the activities of manpower training and development directed at improvement of analytical techniques and modern tools for identification of diarrheal pathogens.

Moreover, with the initiative of the Indian side under the cooperation of JICA, in order to disseminate the technology which is transferred from Japanese experts to Indian counterparts, and skills already acquired and accumulated, training courses are arranged by the NICED, for concerned doctors and scientists from within the country and also from other developing countries.

### Goal of the Project

Through project activities, strengthen capacities and augment capabilities at the National Institute of Cholera and Enteric Diseases (NICED), and to expand the same throughout the country for prevention and control of diarrheal diseases. The ultimate objective of the project is to contribute towards reducing mortality and morbidity caused by diarrheal diseases and improve the ability of medical institutions in India to prevent diarrheal diseases, thus improving the overall health and welfare of the Indian people.

### Activities of the Project:

#### 1. Short term Experts to NICED in FY 2006-2007

No	Universities	Name of Short-term Experts	Speciality /Field	Period of visit to NICED
1.	Cine Science Laboratory	Dr. Y. Takeda	Microbiology	June 03-13, 2006
2.	Okayama University	Dr. K. Okamoto	Clinical Microbiology	October 26-November 03, 2006
3.	Okayama University of Sciences	Dr. S. Shinoda	Environmental Microbiology	November 03-10, 2006
4.	Osaka Prefecture University	Dr. S. Yamasaki	Molecular Biology (In Country Training Program)	November 7-12, 2006
5.	Cine Science Laboratory	Dr. Y. Takeda	Microbiology	November 14-25, 2006
6.	International	Dr. T.Hamabata	Microbiology	November 14-25, 2006

	Medical Center of Japan			
7.	Osaka Prefecture University	Dr. S. Yamasaki	Molecular Biology (Third Country Training Program)	December 02-10, 2006
8.	Fujita Health University	Dr. K. Taniguchi	Virology	December 18-24, 2006
9.	Okayama Prefectural University	Dr. M.Arita	Electron Microscopy	February 15-22, 2007,

## 2. Counterparts who visited Japan in FY 2006-07

1. Dr. Utpala Mitra, Assistant Director, June 12, 2006 to August 19, 2006
2. Dr. Asish K. Mukhopadhyay, Senior Research Officer, June 12, 2006 to November 18, 2006
3. Dr. M.K. Bhattacharya, Asstt. Director, 27<sup>th</sup> January to 17<sup>th</sup> February, 2007
4. Mr. Anup Palit, Deputy Director, 17th February to 14th April, 2007
5. Mr. Ramjiban Mukherjee, Senior Technical Assistant, 17th February to 17th March, 2007

In the reported year research equipment worth more than Rs. 10.15 lakhs was provided to NICED to facilitate scientific work. The other components of the Project Design Matrix including dispatch of short term experts from Japan and sending counterparts from NICED to Japan were also realized.

Two training programs were also successfully carried out to disseminate the technology established in NICED to scientists and doctors in other parts of India and to those from other developing countries as well.

**Grant Aid Project:** The present facilities of NICED were constructed more than 20 years ago. To create an environment for efficient research work and space to install the equipment required to carry on the molecular biological research activities of the 2<sup>nd</sup> Phase, the Indian government asked the Japanese government for Grant Aid for construction of new research facilities.

Outline of the facility: Four storied research building called the Diarrheal Disease Research and Control Centre, (DRCC) houses laboratories designed for molecular work in microbiology, biochemistry, virology, immunology, epidemiology, electron microscopy and so on as well as general laboratories having equipment for everyone's use. The animal house has 6 breeding rooms apart from an operation theatre and sterilization facilities. Seminar rooms for training and network centre for setting up surveillance network and administrative rooms are also accommodated. Apart from the building, general laboratory and office equipment and specialised equipment like Multi Angle laser light scattering, DNA sequencer, DNA array system, Scanning electron microscope and Multipurpose Flow cytometer are also installed for advanced research work. The total space of the building is about 6,300 sq. meters and the total cost of the project is 2.134 billion Yen (Rs 92 crores approx). This building was

completed within schedule and handed over to the Director General of ICMR at a function on 17<sup>th</sup> March, 2006 and is fully functional now. The JICA/NICED Project office has also shifted to the first floor of this building.

**JAPANESE VISITORS AT THE NATIONAL INSTITUTE OF CHOLERA AND ENTERIC DISEASES DURING June 2006– March 2007**

<i>Name &amp; Designation</i>	<i>Address</i>	<i>Date</i>
Mr. Hideaki Nishijima	Sapporo Medical University School of Medicine	June 26-30, 2006
Ms. Yuko Tsuburaya	“Do”	“Do”
Ms. Yuki Hemi	“Do”	“Do”
Ms. Yukiko Matsuura	“Do”	“Do”
Dr. Shinji Yamasaki <i>Professor</i>	Osaka Prefectural University	September 4-11, 2006
Dr. Teizo Tsukamoto <i>Manager</i>	Bacteriology Division, Osaka Prefectural Institute of Public Health	“Do”
Mr. Masahiro Asakura	Biological Science Research, Fuso Pharmaceutical Industries	“Do”
Ms. Yumiko Moriya	Osaka Prefectural University	“Do”
Ms. Yumiko Asakuma <i>Asst. Resident Representative</i>	JICA – India office, New Delhi	September 20, 2006
Mr. Shinya Sasaki <i>Coordinator</i>	Project for Conservation and Wise use of Natural Resources of Chilka Lagoon through Community Participation, Orissa	“Do”
Dr. Sumio Shinoda <i>Professor</i>	Faculty of Science, Okayama University of Science	October 24-27, 2006
Mrs. Chizuko Miyake <i>Guest Researcher</i>	“Do”	“Do”
Dr. Keinosuke Okamoto <i>Professor</i>	Okayama University	October 27-November 02, 2006
Prof. Takao Tsuji	“Do”	“Do”
Mr. Takeshi Nagasuna	“Do”	“Do”
Mr. Hideki Kasahara	“Do”	“Do”
Ms. Chisa Sato <i>Student</i>	Okayama University	“Do”
Ms. Hiroko Ono <i>Student</i>	“Do”	“Do”
Dr. Sumio Shinoda <i>Professor</i>	Faculty of Science, Okayama University of Science	November 3-9, 2006
Mr. Matsushita Senoo <i>Student</i>	“Do”	“Do”
Mr. Toru Kobayakawa <i>Asst. Resident Representative</i>	JICA – India office, New Delhi	November 4, 2006

<i>Name &amp; Designation</i>	<i>Address</i>	<i>Date</i>
Dr. Yoshifumi Takeda <i>Chief Advisor</i>	Cine-Science Laboratory	November 14 -22, 2006
Dr. Takashi Hamabata <i>Division Chief</i>	Research Institute, International Medical Center of Japan, Tokyo	“Do”
Dr. Sumio Shinoda <i>Professor</i>	Faculty of Science, Okayama University of Science	November 18-22, 2006
Dr. Keinosuke Okamoto <i>Professor</i>	Okayama University	“Do”
Mr. Yoshinori Yamane <i>Director</i>	Research Management Division, Okayama University	“Do”
Mr. Futoshi Yamaguchi <i>Finance Planning Division</i>	Okayama University	“Do”
Ms. Mika Kokumai <i>General Affairs Staff</i>	Okayama University	“Do”
Mr. Tomoyuki Fujii <i>Resident Representative</i>	JICA – India office, New Delhi	November 27-28, 2006
Dr. Shinji Yamasaki <i>Professor</i>	Osaka Prefectural University	December 02-09, 2006
Dr. Koki Taniguchi <i>Professor</i>	Fujita Health University School of Medicine	December 18-23, 2006
Mr. Yoshihiro Ozaki	JICA – India office, New Delhi	January 30 - February 1, 2007
Dr. Michiko Arita <i>Asst. Professor</i>	Okayama Prefectural University	February 15-21, 2007
Dr. Yoshifumi Takeda <i>Chief Advisor</i>	Cine-Science Laboratory	February 15-19, 2007
Dr. Sumio Shinoda <i>Professor</i>	Faculty of Science, Okayama University of Science	“Do”
Dr. Keinosuke Okamoto <i>Professor</i>	Faculty of Pharmaceutical Sciences Okayama University	“Do”
Dr. Norio Koide <i>Professor</i>	Faculty of Pharmaceutical Sciences Okayama University	“Do”
Dr. Shin-ichi Miyoshi <i>Professor</i>	Faculty of Pharmaceutical Sciences, Okayama University	“Do”
Dr. Shigetaka Katow <i>Team Leader</i>	RIKEN-Center of Research Network for Infectious Diseases Information Section	“Do”
Mr. Nobumichi Ogawa <i>Chief of Operations Team</i>	RIKEN-Center of Research Network for Infectious Diseases Information Section	“Do”
Mr. Setsumi Kusaka <i>Director</i>	Administrative Office for Pharmacy, Okayama University	“Do”
Mr. Yoshito Nanba <i>Chief</i>	Accounts Division, Okayama University	“Do”
Mr. Osamu Kiyonaga <i>Chief</i>	Department of Finance Planning, Okayama University	“Do”
Mr. Toru Ogata <i>Staff</i>	Department of Research Exchange Planning, Okayama University	“Do”
Ms. Rena Matsubara <i>Administrative Staff</i>	Faculty of Pharmaceutical Sciences, Okayama University	“Do”

<i>Name &amp; Designation</i>	<i>Address</i>	<i>Date</i>
Ms. Katsura Igai <i>Researcher</i>	Faculty of Pharmaceutical Sciences, Okayama University	“Do”
Mr. Tsuyoshi Takahashi <i>Researcher</i>	Faculty of Pharmaceutical Sciences, Okayama University	“Do”
Mr. Fumitoshi Yano <i>Asst. Resident Representative</i>	JOCV Program, JICA – India office, New Delhi	February 21, 2007
Ms. Aya Matsumoto <i>Volunteer of Japanese language</i>	JOCV	“Do”
Dr. Chie Nakane <i>Professor Emeritus</i>	Tokyo University	February 23, 2007
Mr. Azuma Kosegaki <i>Administrative Officer</i>	Consulate General of Japan, Kolkata	“Do”
Mrs. Junko Bhattacharya	Consulate General of Japan, Kolkata	“Do”
Dr. Tomoyoshi Nozaki <i>Professor</i>	Department of Parasitology, Gunma University, Graduate School of Medicine & Faculty of Medicine	February 25-28, 2007
Mr. Vahab Ali <i>Asst. Professor</i>	Department of Parasitology, Gunma University, Graduate School of Medicine & Faculty of Medicine	“Do”