

Internal Ex-Post Evaluation for Technical Cooperation Project

conducted by China Office: October, 2011

Country	The Project for Human Resources Development of Rehabilitation Professionals
China	

I. Project Outline

Project Cost	602 million yen	
Project Period	November 2001 - October 2006 (Extension Period: November 2006 - March 2008)	
Implementing Agency	Responsible Agency: The China Disabled Person's Federation Implementing Agency: China Rehabilitation Research Center (CRRC)	
Cooperation Agency in Japan	International University of Health and Welfare, National Rehabilitation Centers for Persons with Disabilities, Japanese Physical Therapy Association, Japanese Association of Occupational Therapists	
Related Projects (if any)	Japanese cooperations: Grant-Aid: Establishment of Rehabilitation Research Centre for the Physically Disabled (1985-1988) Technical Cooperation: Project on Rehabilitation for Physically Disabled in China (1986-1993)	
Background	<p>It was estimated that there were more than 60 million disabled persons in China. This was attributable to the drastic increase of traffic accidents, and the work-related injuries and illnesses with rapidly growing economy. The estimated number of working Physical therapists (PT) as of 2002 was 5,640 (nation-wide). More than 30,000 PT/Occupational Therapist (OT) were additionally needed to meet the demands of 35,210 by the year 2010. Before the project, human resources development for the rehabilitation professionals had been conducted at the university (non-credit course), but the education for medical rehabilitation professionals for PT and OT in 4-year university level had not been available. Therefore, there had been a great demand to establish the program for 4-year university level which meets the international standard for PT and OT.</p> <p>The China Rehabilitation Research Center (CRRC), constructed by the Japanese grant aid assistance, has been playing the important role since its inception in 1988, serving to promote the human resources development as well as the research development in the field of rehabilitation. It was expected to serve as the core center of rehabilitation training field.</p>	
Inputs	Japanese Side	Chinese Side
	<ol style="list-style-type: none"> Experts: Chief Advisor (14 experts were dispatched all told in short-term basis), 2 Long-term experts (in 2 fields), 37 Short-term experts (in 16 fields) Trainees Received: 15 CPs trained Equipment : 164 million yen Local Cost: 15 million yen 	<ol style="list-style-type: none"> Staff Allocated: 15 personnel (In addition, 121 teachers / instructors and staff of educational management fields were assigned.) Buildings and facilities: Class rooms for multimedia, experiment, computer, practical training, voice training, electrical reference, dormitory for students, project office for experts Local Cost: for preparation of teaching materials, for teachers' allowance and reward, utilities and managerial costs, etc.
Project Objectives	Overall Goal Physiotherapists/Physical therapists and occupational therapists provide service throughout the People's Republic of China.	
	Project Purpose The education for medical rehabilitation professionals is upgraded from the level of technical school to the level of 4-year university.	
	Outputs Output 1: Curriculums meeting international standards at the level of 4-year physiotherapy/physical therapy & occupational therapy university are developed. Output 2: Highly qualified teaching professionals in the fields of medical rehabilitation (medicine, nursing, speech therapy, prosthesis & orthosis) are produced. Output 3: The education skills of teaching professionals are improved. Output 4: The level of management related to education is improved. Output 5: Teaching materials and educational equipment are prepared and utilized. Output 6: The education of 4-year university is implemented.(*newly added at the mid-term evaluation)	

II. Result of the Evaluation

Summary of the Evaluation

In the People's Republic of China, under the 10th Five-Year Development Plan (2001-2005), it was proclaimed that the government of China sets the human resources development in the field of rehabilitation and regional rehabilitation projects as priority issues. In concrete terms, the government of China was going to support to improve the physical function and capability of disabled persons by improving the training service system, aiming that more than 5.1 million people with disabilities will regain enough strength.

The project purpose of upgrading the education for medical rehabilitation professionals from the level of technical school to the level of 4-year university has been achieved. At the time of terminal evaluation, the approximately 40 PTs or OTs have graduated from the university as a regular student every year since 2004. As for the overall goal, the number of PT and OT has been increased, and this implies that the rehabilitation services by PT and OT has been expanding throughout the China. As for the sustainability, the project has no problems in structural, technical and financial aspects of the implementing agency.

For relevance, the project has been highly relevant with the development policy of China, development needs, as well as Japan's ODA policy at the time of ex-ante and project completion. For efficiency, the project period exceeded the plan.

In the light of the above, this project is evaluated to be highly satisfactory.

1 Relevance

This project has been highly consistent with the development policy (e.g. strengthening of support for persons with development disabilities, disability services, strengthening of human resources development for rehabilitation, strengthening of regional services of rehabilitation), and development needs of trainings of rehabilitation therapists, as well as Japan's ODA policy, at the time of planning/project completion. Therefore, its relevance is high.

2 Effectiveness/Impact

This project has achieved its project purpose of upgrading the education for medical rehabilitation professionals from the level of technical school to the level of 4-year university. The number of graduates from 4-year level university for PT and OT (indicator 1), and the capabilities of instructors (indicator 2) have achieved its target, respectively. In 2010 and 2011, 38 instructors graduated from the university and have engaged in the work as trainers as shown in the table 1 on the right.

Approval of OT curriculum by the World Occupational Therapist Federation in 2006 have served to prove the good quality of those graduated and have promoted the PT and OT education as the model to be replicated to other area (as for PT, there is no curriculum system). As for the capability of instructors as shown in the table 2, it is deemed that their capabilities have been proved to be very high. More than half of instructors have graduated from the university as a regular student. Some of them participated in the long-term training course in Japan and completed the masters' degree.

According to the questionnaire survey of CRRC, the quantities of curriculum and its qualities for the 4-year level PT and OT were appropriate. Teaching materials including the publication materials, printing materials, demonstration materials and audio-visual aids, etc. were developed through the project, and much effort was made to upgrade such materials in 2010 and 2011.

Brush-up trainings for instructors were conducted by the CRRC and JICA experts for the succeeding project namely, "Project for Human Resource Development of Rehabilitation in the Central and Western Region". Annually, 30 to 40 students were enrolled as the regular student for the university program established by the project. As for the overall goal, the number of PT and OT has steadily increased at CRRC and it is deemed that the rehabilitation services by PT and OT has been expanded throughout China. Therefore, the effectiveness/impact of this project is high.

1. Number of graduates (PT and OT)

Year of enrollment	Number of graduates	Employment Status
2006 Graduated 2010	38	All employed
2007 Graduated 2011	38	All employed

2. Capability of instructors (Average Points)

Year	Evaluated by Students	Self assessment
2004	4.4	4.3
2005	4.5	4.4
2006	4.5	4.4
2007	4.6	4.5
2008	4.5	4.4
2009	4.6	4.5
2010	4.6	4.4
2011	4.6	4.5

Note: Score range from 5 to 0 and the bigger number implies the fineness.

Data source: 1)、2) Questionnaire survey at CRRC



Lectures by the JICA experts



The instructor trained by the project (central) has given the lecture at the university.



Various kinds of education materials produced by the project

3 Efficiency

While inputs were appropriate for producing outputs of the project, the project period exceeded the plan (ratio against plan: 128%). Therefore, efficiency of the project is fair. It should be noted that the extension of the project period was deemed relevant because it requires a good amount of time to strengthen the capacity of instructors and to improve the educational management.

4 Sustainability

In China, under the Plan for the persons with disabilities and rehabilitation as well as the 12th Five-Year Plan (2011-2015), it was proclaimed that the government of China sets the human resources development in the field of rehabilitation and regional rehabilitation projects as priority issues.

The structure of implementing agency and the Metropolitan Medical University are sustained in the similar manner of the implementing period. The implementing agency has no problem in the technical aspect because the trainings to upgrade the instructors capacity has been continuously conducted and teaching materials have been revised occasionally. The implementing agency has no problem in the financial aspect because CRRC has generated the revenues through the clinical practices, and the Metropolitan Medical University has generated the revenues from tuitions and subsidies by the government. Therefore, sustainability of this project is high.