

Internal Ex-Post Evaluation for Grant Aid Project

conducted by India office: October, 2011

Country	The Project for Improvement Sardar Vallabhahai Patel Post Graduate Institute of Paediatrics in the State of Orissa
India	

I. Project Outline

Project Cost	E/N Grant Limit: 830 million yen	Contract Amount: 830 million yen
E/N Date	August, 2005	
Completion Date	March, 2007	
Implementing Agency	Sardar Vallabhahai Patel Post Graduate Institute of Paediatrics	
Related Studies	Basic Design Study: April - December 2004	
Contracted Agencies	Consultant(s)	Yokogawa Architects & Engineers
	Contractor(s)	Sumitomo Mitsui Construction
	Supplier(s)	Ogawa Seiki
Related Projects (if any)	N/A	
Background	According to Indian Government's statistic reviews, the state of Orissa indicated lower in health indicators compared to national average. In particular, child health in Orissa State was considered as one of the most important areas of concern to Indian Government. Sardar Vallabhahai Patel Post Graduate Institute of Paediatrics (hereafter the SVP Hospital) is the top referral hospital in the state for child health related problems and functions as a medical institute to educate Orissa State's medical students for Paediatric treatments. However, the Hospital could not achieve its full function with the state of facilities and medical equipment at the time of 2002. Therefore, Grant Aid was requested to the government of Japan.	
Project Objectives	Outcome To improve the medical services and post-graduate medical education of the SVP Hospital through the construction of a new hospital building and development of medical equipment.	
	Outputs Japanese Side <ul style="list-style-type: none"> - Construction of facilities including Outpatient Department (OPD)/Lab building and Operation Theatre (OT)/Ward building with 9-bed neonatal intensive care unit (NICU) and 12-bed paediatric intensive care unit (PICU) - Procurement of equipment including X-ray machine, operating tables, respirators, etc. - Soft Component for development of medical equipment maintenance system and trainings India Side <ul style="list-style-type: none"> - Site clearance 	

II. Result of the Evaluation

Summary of the Evaluation
<p>The SVP Hospital had difficulties to fulfill its functions as the top referral hospital in child health in Orissa State and as a medical institute to educate Orissa State's medical students for paediatric treatments due to the poor conditions of facilities and medical equipment.</p> <p>This project has largely achieved its objectives of improving medical services and post graduate medical education at the SVP Hospital as shown in the full utilization of the facilities and equipment developed by this project, and the increased acceptance of post graduate students. As for sustainability, there was no serious problem observed in terms of structural, technical and financial aspects as well as current status of operation and maintenance (O&M) due to the sustained operation and maintenance structure, qualified staffs and allocation of necessary O&M budget, and good maintenance of equipment through maintenance contracts with authorized firms who have supplied such equipment.</p> <p>For relevance, the project has been highly relevant with India's development policy, needs as well as Japan's ODA policy at the time of both ex-ante and ex-post evaluation. For efficiency, project cost and implementation period were within the plan.</p> <p>Considering above factors, this project can be evaluated to be highly satisfactory.</p>

1 Relevance
<p>This project has been highly relevant with India's Five Year Plans (10th Plan 2003-2007 and 11th Plan 2008-2012 as well as state level health initiatives such as Orissa Vision 2010, aiming at reduction of infant mortality rates), the ground needs of Orissa State for tertiary medical services in paediatrics, and Japan's ODA policy at the time of both ex-ante and ex-post evaluation. Therefore, its relevance is high.</p>
2 Efficiency
<p>Both project period and project cost were within the plan. Therefore, efficiency of this project is high.</p>

3 Effectiveness/Impact

This project has largely achieved its objectives of improving the medical and post graduate services of the SVP Hospital as shown in the full utilization of the facilities and equipment developed and the improvement of major hospital performance indicators including the achievement of the target number of ICU patients as well as the increase in the number of inpatients and outpatients and the number of surgery. Although the number of referral cases was not available, the rapid increase in ICU admission shows increase in patients referred from primary/community healthcare centres. Also, it was observed that the construction of a new hospital building integrated the principal hospital functions, ensuring the provision of necessary equipment, and thereby achieving a better educational environment for the postgraduate doctors (PGD) the number of which has shown increase from 8 PGDs per year in 2003/04 to 12 PGDs per year in 2009/10, as well as in 2010/11.

Based on statistics of Orissa State, it is deemed that the child health conditions have improved (90 per 1,000 live births in 2003 to 65 per 1,000 live births in 2009), and this project is considered to have contributed to such improvement.

Therefore the effectiveness/impact of this project is high.

Quantitative Effects

Indicator(unit)	Baseline value (2003-04: year of Basic Design)	Target value (2007-08: target year)	Actual value	
			(2007-08: target year)	(2010-11: ex-post evaluation)
No. of ICU patients	216	Increase	985	1,972
No. of referral cases from lower-level health institutions	3,895	Increase	n.a.	n.a.
No. of acceptance of post graduate doctors**	8***	-	8	12

Sources: Defect Inspection Report (2009) and SVP Hospital

Note: ** this indicator was not designated as an effect indicator in the Basic Design Study report.

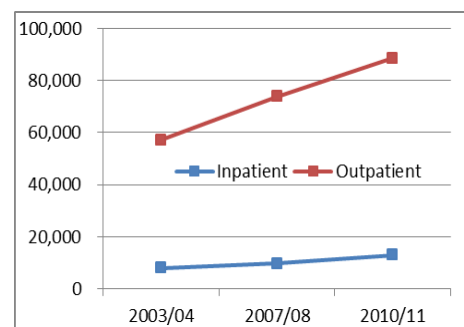
*** 24 Post Graduate Doctors (PGDs) in the Basic Design Study is the accumulative figure in the course of 3 years (8 PGDs per year).



Outpatient Building



NICU



Number of inpatient and outpatient Source: SVP Hospital

(The above photos were taken at the time of project completion in 2007)

4 Sustainability

The O&M of the facilities and equipment of the SVP Hospital has been well institutionalized and practiced by qualified staffs who receive continuous capacity building, and with sufficient budget allocation from Orissa State for annual maintenance contract (AMC) and comprehensive maintenance contract (CMC) of equipment with authorized firms who have supplied such equipment, and for maintenance of buildings and facilities.

In this way, this project has no problem in structural, technical, financial, and current operation and maintenance aspects of the implementing agency; therefore its sustainability is high.