PROJECT OUTLINE

1. **Name of the Country:**
   Socialist Republic of Vietnam

2. **Title of the Project:**
   The Project for Medical Technical Support of Cardiovascular Diseases in Vietnam

3. **Background and Necessity of the Project:**
   Okayama University Hospital, Department of Cardiovascular Surgery had been providing technical support of surgical treatment of complex cardiac anomaly to E Hospital under the framework of JICA Partnership Program. This project enabled E Hospital to initiate operations for complex cardiac anomaly in Vietnam. Currently those who completed courses in the last project play leading role. But there still remain some difficult patients to be addressed, where more high level technical issues exists. We also acknowledge that only E Hospital is single center provided high level congenital heart surgery and necessity for establishing other centers. Thus we proposed further educational project to achieve more development of human resources and continuous educational system to have new Vietnamese leading surgeon, physicians, nurse and technicians collaborating with National Hospital of Pediatrics, Hanoi and University Medical Center, Ho Chi Minh City on their own.

4. **Project Purpose:**
   Establishment of autonomous medical professional resource development system for surgical treatment of congenital heart disease by Vietnamese own medical staff

5. **Target Area:**
   Hanoi, Ho Chi Minh City and other cities in Vietnam where the stem hospitals and some satellite hospitals are located

6. **Target Group:**
   Medical staff of E Hospital (Hanoi), National Hospital of Pediatrics (Hanoi) and
University Medical Center (Ho Chi Minh City)
Medical staff of satellite hospitals in other Vietnamese metropolitan cities
Congenital heart disease patients, estimated 13,000/year; 1% of new born in Vietnam

7. **Expected Outcomes and Activities:**
   < **Expected Outputs** >
   1) Development of medical educator, who can perform surgical treatment of complex congenital heart disease in stem hospitals
   2) Publish manual of treatment of congenital heart disease in Vietnamese
   3) Commencement of education by stem hospital to satellite hospitals

   < **Activities** >
   1-1. Intensive lecture course of surgical treatment of complex congenital heart disease by Japanese staff will be held in stem hospitals
   1-2. Educational training of Vietnamese medical staff in Okayama University Hospital
   1-3 Monitoring of skill and educational ability of medical staff who have been trained in intensive lectures and training in Japan

2-1. Vietnamese medical staff under training in Okayama will make blue print of the manual
2-2. Choose core members to be leaders of each field as cardiovascular surgery, anesthesia, intensive care, pediatric cardiology, medical engineering and nursing from 1 from Japan and 3 from each stem hospitals
2-3. Make program of basic and advanced contents of cardiovascular surgery in core hospitals and preoperative diagnosis and management including neonatal patients and fundamental outpatient management of long term postoperative patients
2-4. Assign responsible part of field for manual publication and make original article in Japanese or English and translate into Vietnamese
2-5. Give lectures of manual context and make improvement and proceed publication

3-1. Start lectures in satellite hospital by stem hospital staff under supervision of Japanese staff
3-2. Autonomous intensive lectures by stem hospital in Hanoi and Ho Chi Minh City
3-3. Mutual visit for teaching and practicing lecture contents by Vietnamese staff for further education of other participating hospitals

8. **Project Term:**
   From January 2016 to March 2020

9. **Implementing Organizations:**
   - Japanese side: Okayama University
   - Vietnamese side: E Hospital, National Hospital of Pediatrics and University Medical Center

10. **Main Activities of Implementing Organizations:**
    Okayama University Hospital, Department of Cardiovascular Surgery
    2011-2013 JICA support project, Hanoi, Vietnam
    Mutual educational and clinical support with Philippine, Thailand, Indonesia, Vietnam counterpart