PROJECT OUTLINE

1. Name of the Country:
Socialist Republic of Vietnam

2. Title of the Aid Item:
Project of Capacity Building on Management of Sewage Works in Hanoi, Vietnam

3. Background and Necessity of the Aid Item:
In Hanoi city, with the progress of rapid urbanization and industrialization, water pollution of rivers, lakes and marshes are increased in recent years. There are several small-scale sewage treatment plants in operation established by Japanese yen loan Projects. Operation and construction of several large-scale sewage treatment plants are scheduled. Hanoi Sewerage and Drainage Company (HSDC), which manages the operation and maintenance of the sewage facility, has to enhance the capacity to manage the operation and maintenance of those sewage treatment plants.

Lying at Red river delta, the rainwater drainage facility of Hanoi city does not have sufficient capacity, reinforcement of the drainage system becomes an urgent issue. Moreover, with the expectation of sewage sludge increase, it is also required to establish plans related to the sludge treatments including downsizing and recycling of the sewage sludge. To solve these problems, it is anticipated to improve plan making skill and design skill of the HSDC in regard to anti-inundation measure and sludge treatment.

4. Purpose:
Through the improvement of sewage works operation and management capacity in Hanoi city, the Project contributes to enhance water environment, urban drainage capacity, and HSDC staff’s qualification in terms of: (i) Efficient operation and management of sewage works specialized in large – scale wastewater treatment plants; (ii) Sewage sludge treatment; (u) Setting up anti – inundation measures. It also facilitates the business development in Vietnam by member companies of Yokohama Water Business Association.

5. Target Area:
Hanoi city

6. Target Group:
About 6.5 million citizens of Hanoi city

7. Expected Outputs:
(1) Operation and maintenance management capacity of the sewage facility and water business capacity are improved, and the sewage facilities are properly managed and maintained.
(2) Problems on operation of sewage works including plan making and management are clarified, and problem-solving capacity for business improvement is developed.

8. Activities:
The following activities are implemented with dispatch of Japanese experts and training of Vietnamese companies in Japan:
- To examine outputs by the past JICA Partnership Programs;
- To develop manuals of operating sewage works including management, operation and maintenance of a large-scale treatment plant, sludge treatment, and anti-inundation measure;
- To operate sewage works based upon the manuals;
- To share the content of manuals with the other officers of the HSDC, and raise awareness of citizens on the necessity and importance of sewage works.

9. **Implementation Period:**
From February 2014 to December 2016

10. **Implementing Organization:**
Japanese side: Yokohama city, Member companies of Yokohama Water Business Association
Vietnamese side: Hanoi Sewerage and Drainage Company, Hanoi’s People Committee, and Vietnam Ministry of Construction