

ENCLOSED - 2:

Application Form for Smart City Project Formulation Study ***Smart City supported by Japan ASEAN Mutual Partnership (Smart JAMP)***

1. Project Digest

1) **Project Title:** Conducting feasibility study on Pre-treated Trickling Filtration System (PTF) for wastewater treatment

2) **Name of the City:** Luang Prabang City, Laos

3) **Category of the study:** Feasibility study and implement pilot projects

4) Justification of the project

- **Present condition of the target city:**

- Luang Prabang has total area of 761 square kilometers with total population of 97,760 inhabitants, divided into 114 villages (65 villages are urban area). The city's economies are mostly relied on tourism, agriculture and industry.
- The old town of Luang Prabang has been registered to UNESCO Heritage Site since 1995 as it's exceptional for both rich architectural and artistic heritage that reflects the fusion of Lao traditional urban architecture with that of the colonial era. Its remarkably well-preserved townscape reflects the alliance of these two distinct cultural traditions
- The city's advantages are the World Heritage Site and its location as center of transportation, administration and institutions for the northern part of Laos
- Urbanization with a lot of buildings occurring and people movement from rural to the city area are increasing pressure to the city's governance as increasing of land use issues, waste pollution, flood risk, mobility and public parking needs, traffic accidents, etc.
- Luang Prabang City is envisioned to develop the city as livable and visit able city with quality of environment and facilities, the world heritage site is well preserved for valuable and sustainability, the tourism industry is developed for quality, people have a better quality of life, become a comprehensively strong city, and advance to a smart city by 2030.

- **Target areas:**

- The UNESCO Heritage Site of Luang Prabang
- Public buildings, schools-universities, villages, hotels, etc.

- **Outline of the study:**

- Conducting a feasibility study to identify locations and the wastewater treatment systems
 - Constructing model projects in two or three locations
- **Purpose (Short term objective) of the study:**
- To experiment the PTF in Luang Prabang City;
 - To solve the wastewater pollution in a certain area.
- **Goal (Long term objective) of the study or entire project:**
- Improving the quality of environment in the city and contributing to the establishment of a live able city for Luang Prabang