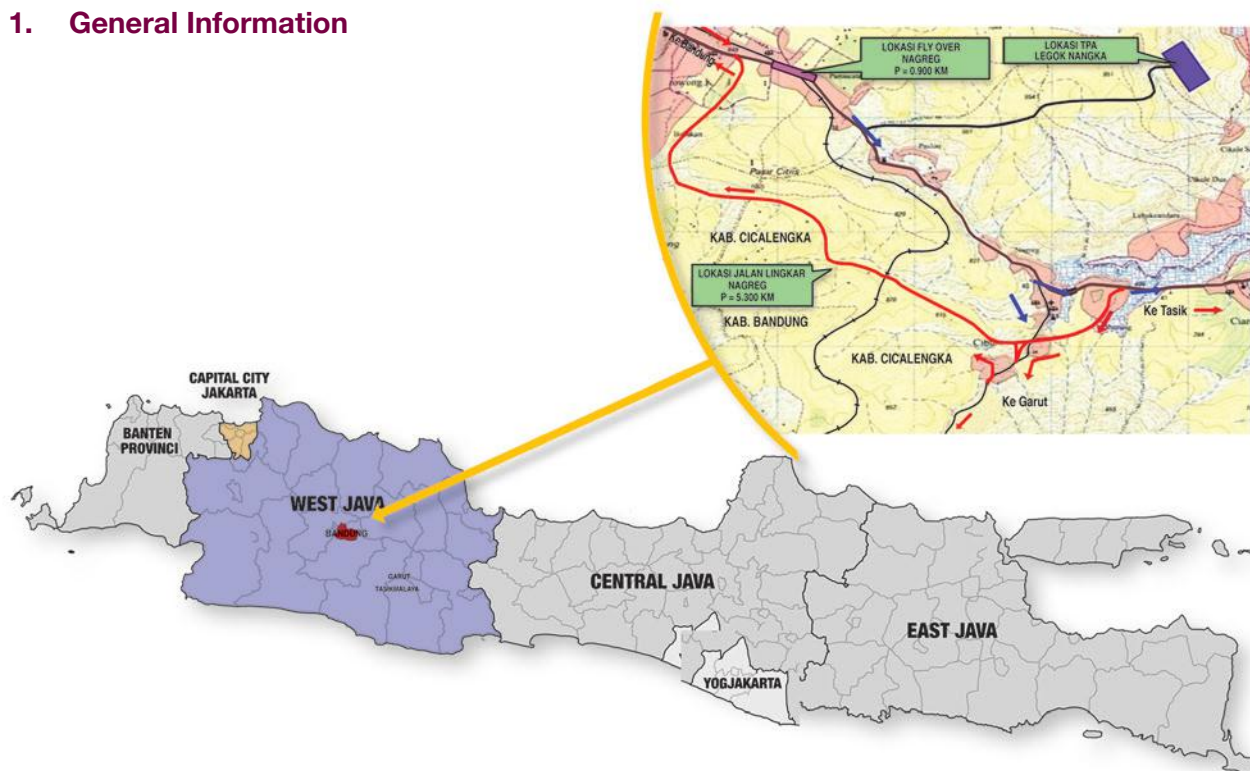


# FINAL WASTE DISPOSAL SITE (TPPAS) LEGOK NANGKA, WEST JAVA

## 1. General Information



<b>Government Contracting Agency</b>	: Government of West Province
<b>Implementing Unit</b>	: Departmen of Housing and Settlement, West Java Province
<b>Preparation Agency</b>	: Departmen of Housing and Settlement, West Java Province
<b>Estimated Project Cost</b>	: USD 43.73 million
<b>Estimated Concession Period</b>	: 20 years
<b>Location</b>	: West Java

## 2. The Opportunity

### 2.1. Project Background

Solid Waste management is one of the main problems in many cities in Indonesia. Poor handling would lead to soil and air pollution, health issues and city livability. West Java province attempts to improve the use of sanitary landfill by developing Final Waste Disposal Site (TPPAS) in Legok Nangka. The location will replace existing TPPAS Sarimukti in which the operational expired in 2016. TPPAS Legok Nangka aims to provide processing and treatment of solid waste that covers the City of Bandung, Regency of West Bandung, Regency of Bandung, Regency of Sumedang, City of Cimahi and Regency of Garut. The TPPAS is located in Legoknangka, Ciherang, and Nagreg villages, Regency of Bandung with total area about ±74.6 Ha.

## 2.2. Project Description

Based on the pre – feasibility study, the project will use full gasification for its technology. It will produce electricity and will be sold to PLN for gaining additional revenue.

Minimum service for the project is 920 tons per day from five regencies and city around the project during the operational phase. The result of the product must fulfill domestic and international standards. Processing of waste is also expected to produce minimum environmental impact related to emission, odor, noise, and disease.

## 2.3. Project Objectives

The project aims are as follows:

- Improve solid waste processing
- Reduce total waste in West Java area
- Propose new environmentally friendly technology

## 3. Business Entity's Opportunity

The project investment will be supported by Provincial Government of West Java, Central Government, and Private Investor through Built – Operate – Transit (BOT) scheme. While operation and maintenance will be conducted by the business entity, the investors are also expected to further communicate to other parties related to the sales of electricity which produced by the TPPAS.

## 4. Project Technical Specification

The technical specifications for TPPAS Legok Nangka are as follows:

- TPPAS facilities include waste processing and sanitary landfill
- Waste plan maximum input : 2,180 ton/day
- Output :
  - Electricity production : 342,000 kWh per day
  - Compost : 90 ton per day

## 5. Environmental Impact Assessment (AMDAL) Findings

Head of Investment and Licensing Board of Bandung Regency has issued environmental permit No 667/001/BPMP, 2013 related to the TPPAS development in Legok Nangka. The scope of this permit consists of pre – construction phase, construction phase, operational phase and post – operation.

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## 6. Land Acquisition and Resettlement Action Plan

Pre – feasibility study indicates that some of the land owned by the local people and therefore requires land acquisition.

## 7. Project Structure

The investment cost for TPPAS Legok Nangka is about USD 43.73 million while the operation and maintenance cost is estimated for about USD 4.97 million or equal to USD 9.1 /ton. Financing composition will be divided into 9.43% from APBD, 26.10% from APBN and 64.47% from private investment.

## 8. Government Support and Government Guarantee

The government support and guarantee for this project may be required. More detail about this matter will be provided in subsequent studies.

## 9. Project Implementation Schedule



## 10. Contact Information

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