

**PROJECT DIGEST:**  
**Street Lighting Project of**  
**Bandung Regency**

# Project Brief

## Background

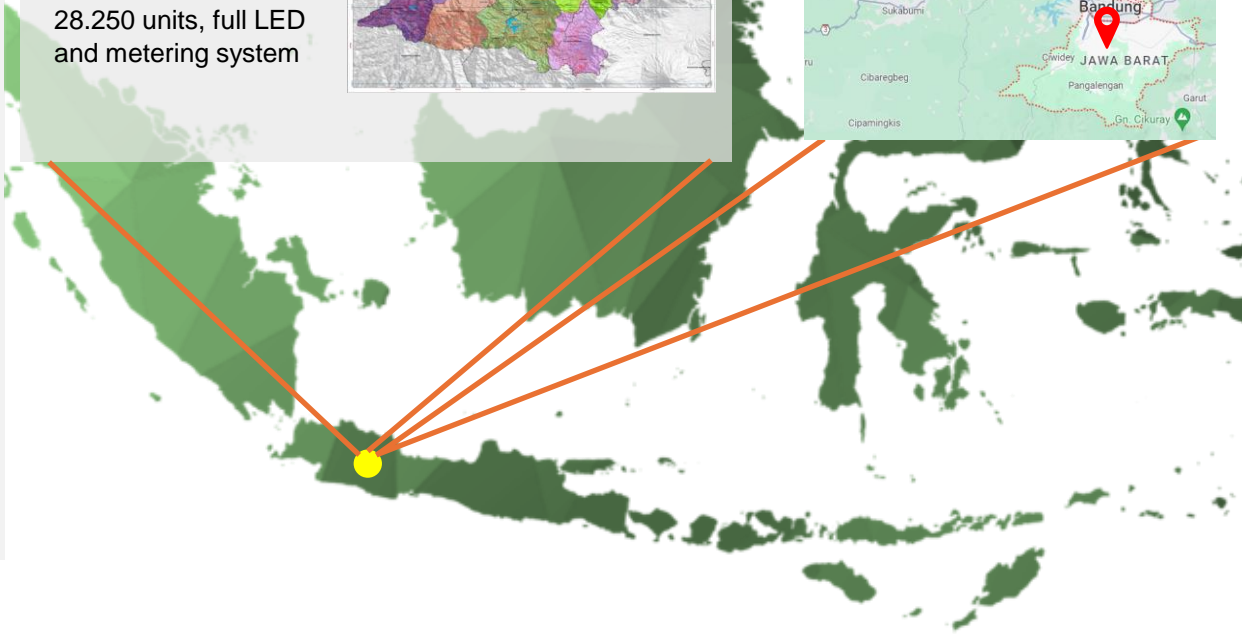
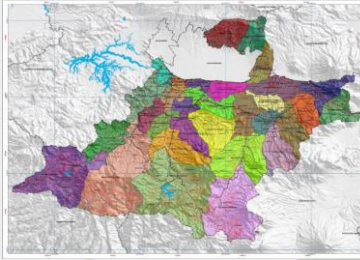
The existing condition of Public Street Lighting in Bandung Regency is that there are 13,432 units of street lighting which is only 13% of the total units of street lighting use LED technology. Majority of the street lighting is still using conventional technology which is inefficient. To improve the service of Public Street Lighting, the Bandung Regency Government plans to carry out the construction of street lighting on city roads that have not received adequate street lighting services replace the conventional lamps with LED technology.

<b>Government Contracting Agency</b>	Regent of Bandung Regency
<b>PPP Scheme</b>	Debt – Build – Finance – Operate – Maintenance – Transfer (DBFOMT)
<b>Project Scope</b>	<ol style="list-style-type: none"><li>1. Revitalize the existing assets with LED and smart system technology</li><li>2. Provision of new street lighting with LED and smart system</li><li>3. O&amp;M for all street lighting facility</li></ol>
<b>Service Coverage</b>	Bandung Regency
<b>Status/Stage</b>	Preparing for tender
<b>Project Cost</b>	USD 16,01 mill
<b>IRR</b>	9.41%
<b>Investment Return Scheme</b>	Availabilty Payment (Fixed Government Pay) USD 3,1 mill/year
<b>Concession Period</b>	10 years

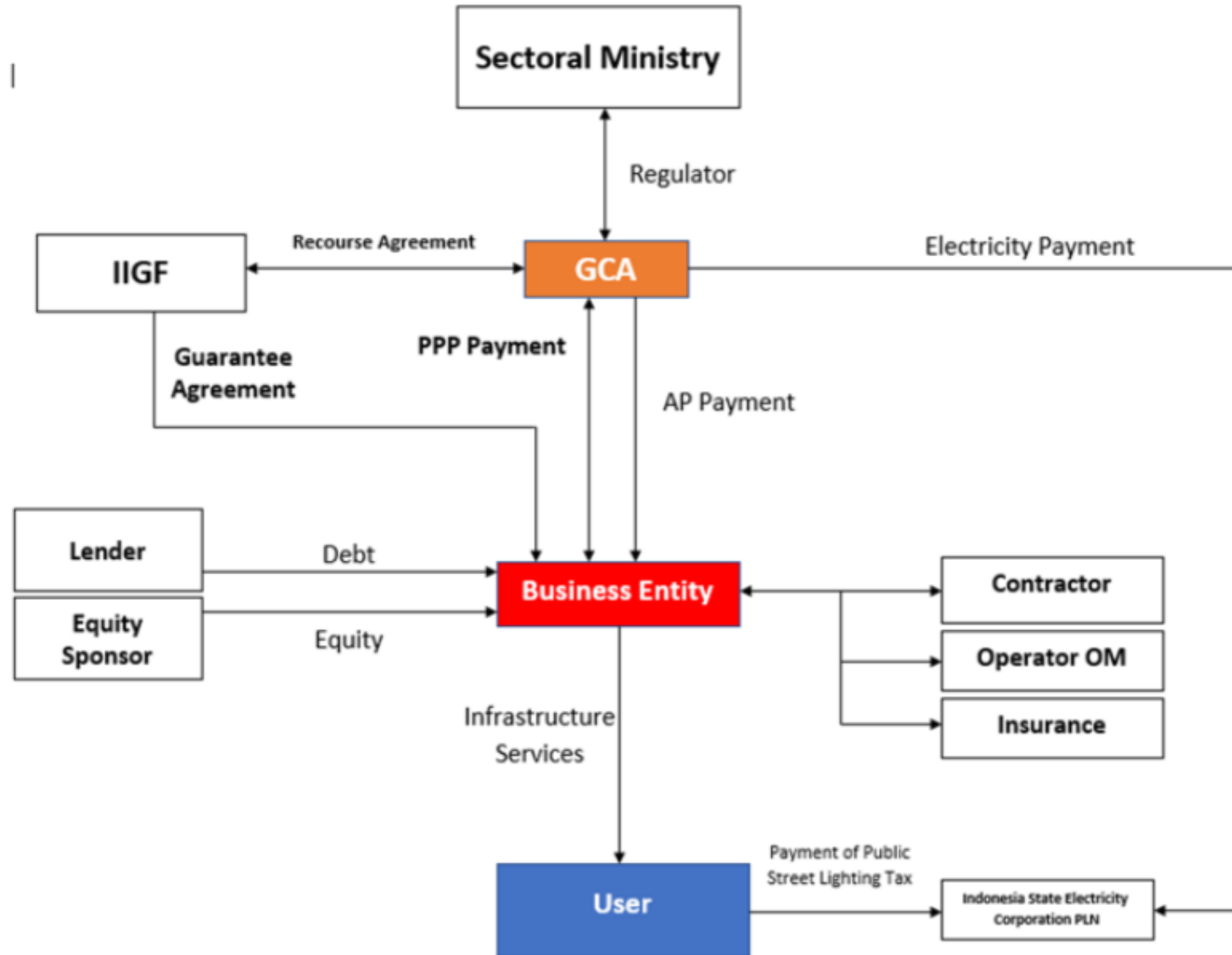
**Technical**

**Existing**  
13.432 units, dominant conventional technology

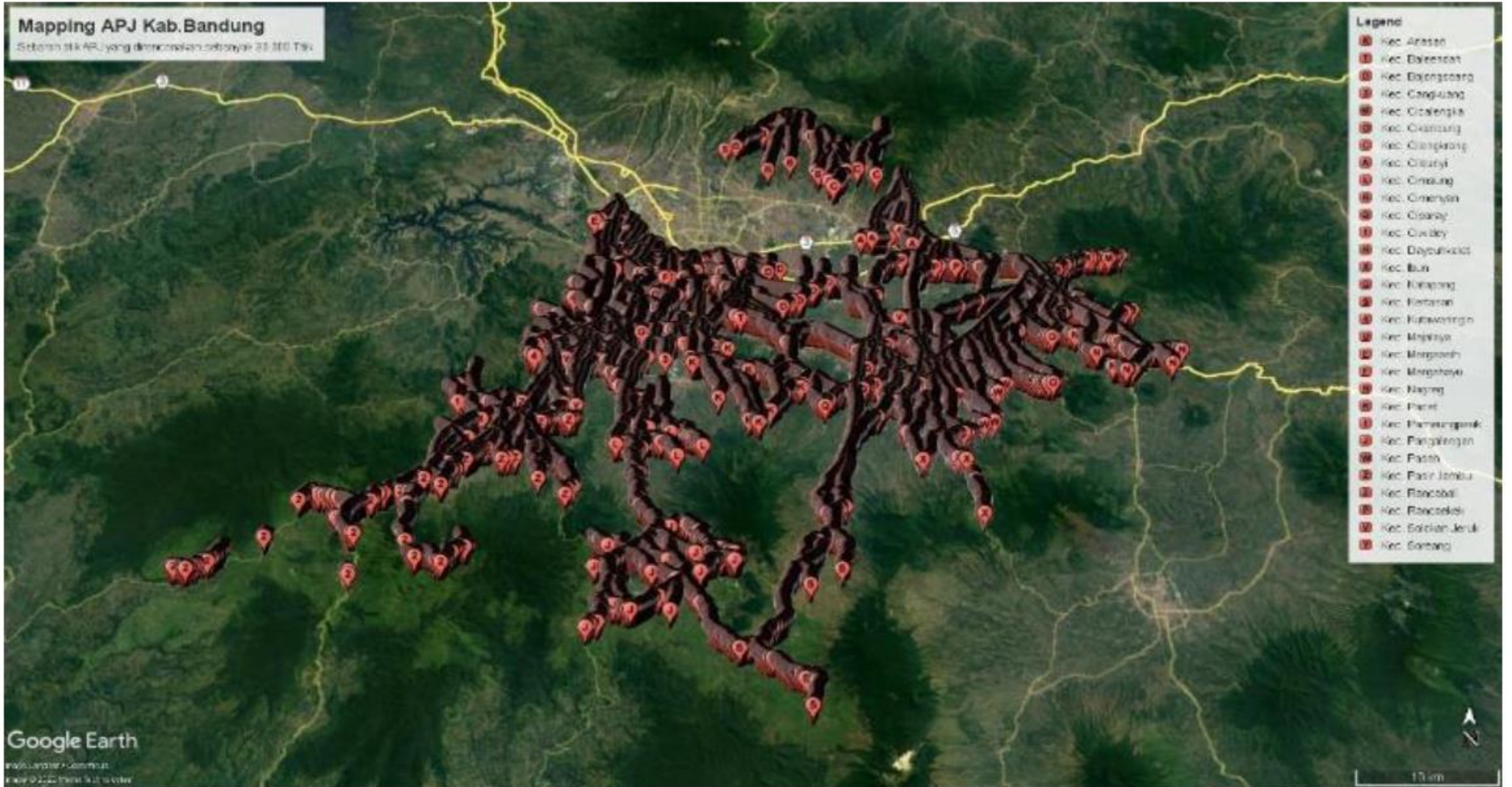
**Plan**  
28.250 units, full LED and metering system



# Project Structure



# Project Illustration





# Project Scope

## Revitalization and Development

- a. Light distribution throughout the Bandung regency
- b. Providing more lights in unserved areas
- c. Revitalization and provision of LED lamp
  - Revitalization: 13.432 units
  - Provision: +- 14.800 units
- d. Revitalization and provision of standardize panel and cable
- e. Provision of new lamp post
- f. Provision of metering system technology to monitor the energy consumption

## Preventive Maintenance

- a. Report on the electrical power usage of each panel
- b. Report of deviation in electrical power usage due to external party
- c. Beam test work periodically
- d. Street lights & its environmental maintenance work
- e. Real-time complaint report and progress
- f. Maintenance historical reports stored in the database
- g. Digital Database can be accessed on-line

## Corrective Maintenance

- a. Asset repair:
  - a. Category low: equipment fault, minimum 1 x 24 hours
  - b. Category medium: equipment fault caused by third party, minimum 3 x 24 hours
  - c. Category heavy: accident / force majeure, will be determined specifically
- b. Illumination optimization / normalization work

# Project Schedule

## Indicative Project Schedule

Pre-Qualification  
Q3 2024

Request for  
Proposal Q3 2024

Bid Award Q4 2024

Agreement Signing  
Q4 2024

Financial Close Q1  
2025

Construction Q1  
2025

**Thank You**