

8. SURAKARTA-STREET LIGHTING



LOCATION:
Surakarta City

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Project Background

Based on its vision and mission, The Municipal Government of Surakarta changes its view on the municipal's Public Street Lighting (Penerangan Jalan Umum, or PJU) from merely an asset owned to the municipal to public services. The PJU illuminates the public streets of Surakarta City. The total public roads in Surakarta are around 976 km, based on current assessment by the municipal government.

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Project Background

Berdasarkan visi dan misinya, Pemerintah Kota Surakarta mengubah sudut pandang tentang Penerangan Jalan Umum (PJU) kota dari hanya aset yang dimiliki kota menjadi layanan publik. PJU menyinari jalan-jalan umum di Kota Surakarta. Total jalan umum di Surakarta sekitar 976 km, berdasarkan penilaian saat ini oleh pemerintah kota.

READY TO
OFFER

INVESTMENT VALUE



USD 27,186,643.76

IDR 383,000,000,000.00

INVESTMENT SCHEME



BOT (Build – Operate –
Transfer)



CONCESSION PERIOD

10/20 YEARS



TOTAL LAND AREA

46 Km²



LAND OWNED BY

The Government of Surakarta City

Investment Sector Type

Public Services

CURRENT CONDITION



- FBC (Final Business Case)
- Most of street lighting are still using bulb

PROJECT SCOPE



- Design, meterization, LED (auto dimming), cabling (underground and hanging), lamp posts procurement and installation;
- Total Lights: 31.368
- Standard: SNI 7391: 2008

FINANCIAL ANALYSIS

- IRR : 10.17%
B/C Ratio : 1.06
NPV : IDR 12,173 Million
Payback P : 8.6 yrs
Details : 10 yrs w/o govt Supp
- IRR : 10.67%
B/C Ratio : 1.46
NPV : IDR 32,091 Million
Payback P : 10.6 yrs
Details : 20 yrs w/o govt Supp
- IRR : 13.81%
B/C Ratio : 1.08
NPV : IDR 32,735 Million
Payback P : 7.6 yrs
Details : 10 yrs with govt Supp
- IRR : 13.40%
B/C Ratio : 1.43
NPV : IDR 49,261 Million
Payback P : 9.6 yrs
Details : 20 yrs with govt Supp



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