

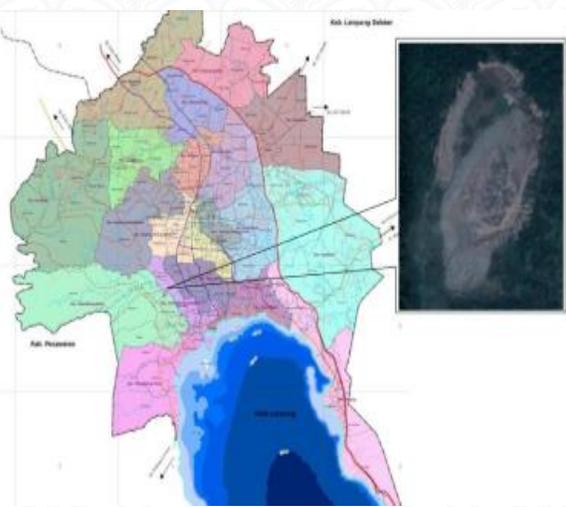
Waste to Energy (WtE) Bakung Landfill (RDF)

Bakung Waste to Energy Project is an initiation project from the government of Bandar Lampung City, covering area of 14,01 Ha with an Open Dumping System. Since 2015 alone the amount of landfill reached 1.713.898 m3 with an average stockpile height of 12.2 m. Daily volume of waste in Bakung Landfill in 2019 reaches more than 1.000 tons/day and has surpassed the capacity of the Bakung Landfill which has been operating since 1995.

The purpose of waste management in Bakung Landfill is to support the sustainable development to Bandar Lampung City, among others, through the use of waste in Bakung Landfills Refuse Derived Fuel (RDF). The construction of waste processing facilities into RDF as an effort to utilize new renewable energy sources and support the application of technological innovations for sustainable urban development

Key Investment highlight

Location	Bakung
Output	Refused Derived Fuel (RDF)
Total Area/Land Status	14,1 hectare
Business Scheme	Design, Build, Operate, Transfer (DBOT)
Project Owner	Government of Bandar Lampung
Financial Feasibility	Estimate Investment Value : USD 37,75 Milion (28 Aug 2023 JISDOR) Net Present Value (NPV) : 10,48% or USD 21,07 Million Internal Rate of Return (IRR) : 27,73% Payback Period (PP) : 8,3 Years Expected Revenue : Tipping Fee, Recycleable, Ppa with PLN



The Bakung Waste Investment Offer

1. Maximum 8 Ha land that investors can use
2. The minimum amount of waste treated is 506.52 tons/day of new organic waste (excluding 1.7 million tons of old waste at the Bakung landfill site)
3. The results of processing waste are electricity with a minimum capacity of 9MW with medium voltage transmission system (20 kV)
4. Build other facilities to support Infrastructure Operations Waste Management, including a) Leachate Water Treatment, b) Processing the ash, c) Drinking water supply
5. Construction of Bakung power plant with a capacity of 11,0453 MW is required budget around 460.59 billion.

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