

# 10 Thousand MW Electric Power can be produced by Nuclear at Bangka

Friday, 17 October 2014 | 16:31 WIB | [Ferial](#)



DGNREEC—Indonesia Nuclear Power Agency (a.k.a Batan) revealed that prospective Nuclear Power Plant in South Bangka and West Bangka expected able to produce 10 Giga Watt (a.k.a GW) or equivalent to 10 thousand Mega Watt (a.k.a MW)

Head of Legal, Public Relations, Cooperation and Head of Public Relations of Batan, Eko Madi Parmanto said, Indonesia in this Regard, Batan has mastered technology of Uranium and Thorium separation process, especially from monazite as result of tin mining activity in Bangka, so we can get rare earth oxides which have high economic values.

“Rare earth oxides are needed as magnet of electronic and machinery Industries”, said Eko at Jakarta, Wednesday 15 October 2014

Regarding to his explanation, decreasing of rare earth oxides has been going now due to Export Protection from the largest distributor of rare earth oxides, China”

For the next year, Batan will be cooperates with PT. Timah Tbk (a.k.a TINS) to build Pilot Plant of Monazite Processing in Bangka to increase the economic value and to reduce radioactive contamination around the mining area.

“Research and Development activity in Uranium and Thorium Exploration, Mining, and Processing are part of Nuclear Power Plant Support Program in Indonesia to supply Electricity needs”, Eko said.

Based on the statistic in 2013, only 47 GW capacity power plant which can produce 17 billion kWh, to supplies 250 million peoples in Indonesia. Regarding to National Energy Policy on 2014, Electricity needs on 2025 will be increase into 115 GW, “So although the new energy such as Solar, Micro-Hydro, Wind, and Geothermal has been optimized, Nuclear Energy usage cannot be avoided”, he said.

Eko added, prospective Nuclear Power Plant in South Bangka and West Bangka is under construction now, and expected able to supply 10 GW electric. “Ministry of Energy and Mineral Resources is preparing the white paper to accelerate Nuclear Power Plant development which has 5,000 MW Electric capacities at Bangka Belitung in 2014-2024”, he concluded.