



PRESS RELEASE

Executive Meeting for Nuclear Power Plant Licensing

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(Copied)

In the G-20 Summit in Bali in 2022, President Jokowi reaffirmed the Indonesian government's commitment to implementing an energy transition to reduce greenhouse gas effects and achieve Net Zero Emission (NZE). One of the efforts made is to encourage research and development of electricity generation technologies based on new and renewable energy, where nuclear energy utilization is one of the options. BAPETEN, as a government agency responsible for overseeing the use of nuclear energy in Indonesia, certainly has an obligation to support the implementation of the government's policy.

Along with implementing Government Regulation in Lieu of Law No. 2 of 2022 concerning Job Creation, passed into law (UUCK) on March 21, 2023, BAPETEN is committed to supporting the improvement of the investment ecosystem and business activities, especially in the nuclear energy sector. This commitment is realized by issuing a "licensing consultation service" (pre-licensing) policy for the construction of nuclear power plants (NPP). This pre-licensing policy provides an opportunity for nuclear power industry players to consult with BAPETEN regarding the 3S aspects (Safety, Security, and Safeguards) before submitting a license application to BAPETEN. It is hoped that through this consultation process, potential nuclear power industry players can prepare the required license documents in accordance with BAPETEN's regulations so that the licensing process runs timely without compromising the above-mentioned 3S aspects.

In the nuclear energy sector, especially related to the construction of nuclear power plants, there are 2 KBLIs (Indonesian Standard Industrial Classification) covering them, namely KBLI 43294 (Nuclear Installations) and KBLI 72107 (Research and Development of Nuclear Energy). Currently, there are several industry players who are interested in investing in activities related to these two KBLIs. One of the industry players who has expressed serious interest in investing and building the first nuclear power plant (NPP) in Indonesia is PT ThorCon Power Indonesia (PT TPI).

ThorCon is a private company that develops, licenses, and operates molten salt modular nuclear power plants. ThorCon's power plants will be built into large hulls in shipyards and floated to project locations where the plants will be hooked into the power grid. ThorCon is working with the Government of Indonesia with the goal of providing low-cost energy that is both clean and dispatchable. ThorCon intends to license, build, and operate its first 500 MW demonstration power plant at Kelasa Island in the Province of Bangka Belitung by 2029.

In December 2022, PT TPI submitted a request to BAPETEN to conduct consultation activities for the construction and operation of the NPP of TMSR500 and supporting facilities. BAPETEN welcomes the request and agreed to realize it in the 3S Consultation Plan. On Tuesday (28/03/2023) a meeting was held for implementing licensing for nuclear power plants, which is a series of agendas included the 3S

Consultation Plan for the pre-license of TMSR500 as a nuclear power plant by the Director for Regulation of Nuclear Installation and Material of BAPETEN, Haendra Subekti, and PT TPI's Nuclear Safety Senior Manager, Tagor Malem Sembiring. It is hoped this consultation can implement the Job Creation Law (UUCK) by providing efficient and predictable licensing practices to industry players who intend to invest in building a nuclear power plant in Indonesia. The 3S Consultation is an innovation to speed up the process of administering risk-based business licensing.

This consultation includes:

1. Review the master plan document for the implementation of the TMSR500 as a NPP project;
2. Consulting on the roadmap related to TMSR500 prototype and the Non-fission Test Platform (NTP) facility;
3. Preparing technical and non-technical requirement documents related to the TMSR500 prototype and Non-fission Test Platform (NTP) licensing; and
4. Consulting on TMSR500 design approval.

At the same time, PT TPI has submitted a High Level Safety Assessment (HLSA) document which was compiled with a Spanish nuclear engineering consultant, Empresarios Agrupados Internacional (EAI) and the UGM Department of Nuclear Engineering and Engineering Physics (DTNTF). Based on the regulatory framework, BAPETEN concluded that the conceptual design of the TMSR500 is designed to be able to mitigate the Fukushima accident and other external hazards, as well as typical Indonesian external hazards.

Contact person of BAPETEN:

- 1) Head of Legal, Cooperation and Public Communication Bureau
Indra Gunawan (+62 812 1001 2371)**
- 2) Public Communication Coordinator
Abdul Qohhar (+62 877 8867 4717)**