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KUALA LUMPUR: The Ministry of Energy Transition and Water Transformation (PETRA) sees electricity supply demand for data centres to increase to 20.9 gigawatts (GW) by 2040.

Deputy Minister Akmal Nasrullah Mohd Nasir said the estimate was obtained from the Planning, Implementation and Electricity Supply and Tariff Committee Meeting (JPPPET) which also projected electricity supply demand for data centres to be around 7.7 gigawatts in 2030.

“The Peninsular Generation Development Plan 2024-2050 projection considers the development of new generation capacity for baseload including gas sources and increased generation from low carbon sources to meet the forecast demand.

“As a quick solution measure, PETRA has also identified existing power plants to extend their operating period because the construction of a new gas power plant will take between four and five years to complete,” he added.

He said this when wrapping up the debate on the Supply (Budget) Bill 2025 for the ministry in the Dewan Negara today.

Akmal Nasrullah added that PETRA is also focusing on accelerating the development of renewable energy sources (RE). He said this is to increase the composition of the low-carbon green electricity supply system in the country’s electricity supply system and ensure that the net zero aspiration of 2050 can be achieved. – Bernama