PRESS RELEASE

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TNB AND UNIVERSITI MALAYA SEAL A LANDMARK COOLING ENERGY PARTNERSHIP TO DRIVE SUSTAINABLE CAMPUS INFRASTRUCTURE

Tenaga Nasional Berhad (TNB) and **Universiti Malaya (UM)** today seal a Cooling Energy Supply Agreement (CESA) to modernise cooling infrastructure at UM's Wisma R&D, marking a significant step towards advancing sustainable campus development and energy efficiency within Malaysia's higher education sector.

Implemented through TNB Engineering Corporation Sdn. Bhd. (TNEC), TNB's wholly owned engineering and infrastructure solutions subsidiary, the agreement establishes a long-term collaboration for cooling infrastructure at Wisma R&D through the supply of cooling energy from TNEC's District Cooling System (DCS) plant in Jalan Pantai Baharu, Kuala Lumpur.

Following the agreement, TNEC will supply cooling energy to UM's Wisma R&D under a 20-year concession arrangement. The project is expected to reduce cooling-related costs by approximately 30%, equivalent to RM7.59 million over the concession period.

By receiving cooling energy from TNEC's DCS plant, the facility is expected to benefit from improved reliability, enhanced energy performance and greater operational efficiency compared to a conventional standalone cooling system.

The agreement was exchanged by TNB President/Chief Executive Officer, Datuk Ir. Ts. Shamsul Ahmad, and UM Vice-Chancellor, Dato' Seri Professor Ir. Dr. Noor Azuan Abu Osman.

The ceremony was witnessed by TNB Chairman, Tan Sri Abdul Razak Abdul Majid, and UM Chairman, Tan Sri Dato' Sri Zarinah Anwar.

Shared Commitment Towards Sustainable Infrastructure

The collaboration reflected the shared commitment of both organisations to enhancing operational efficiency, accelerating sustainability goals and promoting the adoption of innovative energy solutions.

Welcoming the strategic partnership, Shamsul said the agreement served as a testament to TNB's capability in providing a reliable and cost-effective cooling solution that supports the modernisation of critical infrastructure and creates long-term value for its customers.

"The agreement also demonstrates the growing role of district cooling as an efficient urban infrastructure solution that contributes to energy optimisation and environmental sustainability. We look forward to deepening our collaboration with UM and supporting its aspirations towards a more sustainable and future-ready campus ecosystem," he said.

Meanwhile, Noor Azuan said the agreement marked an important step in UM's efforts to modernise campus infrastructure and strengthen its sustainability agenda.

"This collaboration reflects our commitment to adopting innovative and sustainable solutions that improve the campus environment, optimise resource utilisation and support our aspirations as a leading research university committed to environmental stewardship and sustainable development," he added.

Unlocking Long-Term Value

Wisma R&D was selected as the first implementation project due to its ageing cooling infrastructure, which has been in operation for more than 25 years and is approaching the end of its economic lifecycle.

Beyond the immediate benefits to Wisma R&D, the agreement creates opportunities for future cooling energy optimisation initiatives across the UM Main Campus, future campus developments and Universiti Malaya Medical Centre. The project is expected to support UM's long-term sustainability aspirations while strengthening its position as a benchmark institution for energy efficiency and sustainable campus development.

For TNB, the project represents a significant milestone in expanding its cooling energy solutions portfolio and strengthening strategic partnerships within the higher education sector. It further reinforces TNB's commitment to delivering innovative and sustainable infrastructure solutions that create long-term value for customers, institutions and communities.

The initiative also supports Malaysia's broader National Energy Transition Roadmap agenda by promoting efficient energy utilisation, reducing environmental impact associated with conventional cooling systems and encouraging the adoption of sustainable infrastructure solutions across institutional and urban developments.

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About Tenaga Nasional Berhad (TNB)

Tenaga Nasional Berhad (www.tnb.com.my) is a leading Malaysian utility company in Asia with an international presence in the United Kingdom (UK), Ireland, Australia, Turkiye, Saudi Arabia, Kuwait, Pakistan, and Cambodia. Within the renewable energy space, TNB has a total gross portfolio of 3.3 Gigawatts (GW) in Peninsular Malaysia (including 2.5GW of large hydro) and 1.3GW across the UK, Ireland, Australia, and Turkiye, comprising mainly solar, wind, and hydro energy generation assets. In addition to being the nation's primary electricity generation enterprise, TNB also transmits and distributes electricity across Peninsular Malaysia, Sabah, and the Federal Territory of Labuan. As of 31 March 2026, TNB supplies electricity to over 11 million customers.

About Universiti Malaya (UM)

Universiti Malaya (UM), Malaysia's oldest and leading public university, has played a central role in advancing the nation's intellectual and academic development since the University of Malaya Act was enacted in 1961. With a comprehensive academic ecosystem comprising two academies, fourteen faculties, two institutes, an academic centre, and the Universiti Malaya Medical Centre, the country's oldest and largest teaching hospital UM drives excellence

across disciplines ranging from medicine, engineering, and science to the humanities and social sciences. Through its research clusters and centres of excellence, the university fosters innovation, addresses national and global challenges, and advances knowledge at the highest level. This commitment to excellence is reflected in UM's strongest-ever performance in the QS World University Rankings 2027, where it achieved 56th place globally, reaffirming its position as a world-class institution and a key contributor to Malaysia's academic and research leadership.

About TNB Engineering Corporation Sdn. Bhd. (TNEC)

TNB Engineering Corporation Sdn. Bhd. (TNEC) is a wholly owned subsidiary of Tenaga Nasional Berhad specialising in engineering, procurement, construction, commissioning and maintenance services for energy and infrastructure projects. Leveraging extensive technical expertise and industry experience, TNEC provides end-to-end solutions across power generation, district cooling systems, energy infrastructure and sustainable development projects, supporting urban growth and long-term operational efficiency.

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PHOTO 1

TNB Chairman, Tan Sri Abdul Razak Abdul Majid (second left), and UM Chairman, Tan Sri Dato' Sri Zarinah Anwar (second right), witnessed the exchange of an agreement between TNB President/Chief Executive Officer, Datuk Ir. Ts. Shamsul Ahmad (far left), and UM Vice-Chancellor, Dato' Seri Professor Ir. Dr. Noor Azuan Abu Osman (far right). The agreement establishes a long-term collaboration for cooling infrastructure at UM's Wisma R&D through the supply of cooling energy from TNB Engineering Corporation Sdn. Bhd.'s (TNEC) District Cooling System (DCS) plant in Jalan Pantai Baharu, Kuala Lumpur, under a 20-year concession arrangement.

PHOTO 2

(From left) TNB President/Chief Executive Officer, Datuk Ir. Ts. Shamsul Ahmad; TNB Chairman, Tan Sri Abdul Razak Abdul Majid; Universiti Malaya (UM) Chairman, Tan Sri Dato' Sri Zarinah Anwar; and UM Vice-Chancellor, Dato' Seri Professor Ir. Dr. Noor Azuan Abu Osman review the exchanged Cooling Energy Supply Agreement (CESA), which establishes a long-term collaboration for cooling infrastructure at UM's Wisma R&D through the supply of cooling energy from TNB Engineering Corporation Sdn. Bhd.'s (TNEC) District Cooling System (DCS) plant in Jalan Pantai Baharu, Kuala Lumpur.

PHOTO 3

(From left) TNB Engineering Corporation Sdn. Bhd. (TNEC) Managing Director, Ahmad Nizam Hassan; TNB Head Subsidiary Management, Dr. Ir. Ahmad Jaafar Abdul Hamid; TNB President/Chief Executive Officer, Datuk Ir. Ts. Shamsul Ahmad; TNB Chairman, Tan Sri Abdul Razak Abdul Majid; Universiti Malaya (UM) Chairman, Tan Sri Dato' Sri Zarinah Anwar; UM Vice-Chancellor Dato' Seri Professor Ir. Dr. Noor Azuan Abu Osman; UM Deputy Vice-Chancellor (Development), Professor Ir. Dr. Ramesh Singh Kuldip Sing; and UM Executive Director Ar. Dr. Sharifah Noor Nazim Syed Yahya, during the Cooling Energy Supply Agreement (CESA) exchange ceremony between TNB Engineering Corporation Sdn. Bhd. (TNEC) and Universiti Malaya.

The collaboration paves the way for future cooling energy optimisation initiatives across Universiti Malaya's Main Campus, future campus developments and Universiti Malaya Medical Centre. Beyond supporting UM's long-term sustainability aspirations and energy efficiency goals, the project also marks a significant milestone for TNB in expanding its cooling energy solutions portfolio and strengthening strategic partnerships within the higher education sector. The initiative reflects TNB's commitment to delivering innovative and sustainable infrastructure solutions that create long-term value for institutions, communities and the nation's energy transition agenda.