Press Release

DEWA adds 600MW of clean energy production capacity from the 5th phase of the Mohammed bin Rashid Al Maktoum Solar Park

Dubai, UAE, 31 October 2022: HE Saeed Mohammed Al Tayer, MD&CEO of Dubai Electricity and Water Authority (DEWA), announced that the entity has added 300 megawatts of photovoltaic solar energy in 2022, from the 5th phase of the Mohammed bin Rashid Al Maktoum Solar Park, the world's largest single-site solar park using the Independent Power Producer (IPP) model. The Solar Park will have a production capacity of 5,000 megawatts (MW) by 2030. The 5th phase is currently underway, with a total capacity of 900MW and investments estimated at AED 2.058 billion. It will be operational in phases until 2023. This year, DEWA has added 300MW to the 300MW that became operational last year from the 5th phase.

"We are guided by the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to provide a state-of-the-art infrastructure that consolidates Dubai's position as a preferred destination for living, working, investing and visiting. We are also prepared to meet the growing demand for electricity and water services according to the highest standards of availability, reliability, efficiency and quality. We strive to keep pace with demand by implementing pioneering projects to diversify sources of energy production to include various clean and renewable energy sources and technologies in Dubai and expand the Mohammed bin Rashid Al Maktoum Solar Park projects. This will help achieve the Dubai Clean Energy Strategy 2050 and the Dubai Net Zero Carbon Emissions Strategy 2050 to provide 100% of Dubai's total power production capacity from clean energy sources by 2050," said **Al Tayer**.

Al Tayer noted that by adding 300MW from the 900MW fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park using photovoltaic solar panels, the current production capacity of the solar park has reached 1,827MW using photovoltaic solar panels. DEWA is implementing other projects at the Solar Park with a total of 1,033MW using PV and Concentrated Solar Power (CSP). The share of clean energy in Dubai is about 12.8% of the total installed capacity of 14,317 MW. This percentage is expected to reach 14% by the end of 2022.

The 4th phase of the solar park, with a capacity of 950 MW and investments amounting to AED 15.78 billion according to the IPP model, is the largest concentrated single-site solar power plant that combines CSP and solar photovoltaic technologies. This phase will use three hybrid technologies: 600MW from a parabolic basin complex (three units of 200MW each), 100MW from the world's tallest solar power tower at 262.44 metres (based on Molten Salt technology), and 250MW from photovoltaic solar panels. On its completion, the

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project will have the largest thermal storage capacity in the world of 15 hours, allowing for energy availability around the clock. The 4th phase will provide clean energy for around 320,000 residences and reduce 1.6 million tonnes of carbon emissions yearly. A total of 217MW of the 4th phase using photovoltaic solar panels is already operational.

DEWA has invited international developers to send their Expressions of Interest (EOI) to implement the 6th phase of the Mohammed bin Rashid Al Maktoum Solar Park based on the IPP model. The 900 MW 6th phase of the Solar Park will be implemented using photovoltaic solar panels. It will become operational in stages starting from Q3 of 2025.

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