

CIAL announces strategic agreement with BPCL to establish first Green Hydrogen plant in an airport in the world In a strategic move to bolster its pathbreaking green energy initiatives, Cochin International Airport Ltd (CIAL), the world's first airport fully powered by solar energy has entered into a memorandum of Understanding with Bharath Petroleum Corporation Limited (BPCL) for ...

The Cochin International Airport Ltd (CIAL), which is the world's first fully solar-powered airport, will on Saturday commission its own hydroelectric project, now taking pioneering strides in the ...

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Discover how Cochin International Airport Limited (CIAL) became the world's first fully solar-powered airport. Learn about the strategic implementation of a 50-megawatt photovoltaic power station, its environmental impact, technical specifications, and future expansion plans. This groundbreaking initiative sets a precedent for sustainability in the ...

CIAL now has a total installed solar capacity of 50 MWp. Till date, CIAL has generated more than 25 crores units of green power from various solar PV installations at the airport, reducing the carbon footprint by 1,60,000 Metric tonnes.

"The pre-commissioning trials showed that these panels which cost around Rs 2 crore to the company are producing power with maximum output efficiency among the eight solar power plants installed by CIAL at various locations in the airport premises," the release said.

CIAL believes in the responsibility to venture into projects producing green energy and thereby lessening our carbon footprint. In 2015, Cochin International Airport became the world's first fully solar powered airport with the inauguration of a dedicated solar plant. CIAL also ventured into a hydroelectric project which was commissioned in 2021.

Cochin International Airport Limited (CIAL), the world's first airport to run entirely on solar energy, will open a solar power plant in Payyanur with a 12 Megawatts-peak (MWp) capacity. On March 6, Chief Minister Pinarayi Vijayan would dedicate the Payyanur plant to the country on the solar plant premises at Ettukudukka.

Further solidifying its commitment, CIAL inaugurated a new solar power plant on March 6, 2022, transforming the airport from a power-neutral facility to a power-positive one. The 12 MWp Payyanur plant, situated near Payyanur, Kerala, increased the cumulative installed capacity of CIAL's solar plants to 50 MWp.



Cial solar power project photos

Green Energy Initiatives. CIAL has been trying to enhance green energy production since the inception of its first-ever solar project in 2013. And by 2015, CIAL, becomes the first airport in the world that completely operates on solar power comprising 46,150 solar panels laid across 45 acres near the cargo complex.

KOCHI: The Cochin International Airport Ltd (CIAL), which operates the world's first fully solar-powered airport, on Sunday commissioned one of the biggest floating solar power plants in Kerala ...

PHOTOS. VIDEOS. WEB SCRAWL ... and a solar carport. CIAL's solar power plants will together generate 2 lakh units of power a day, whereas the airport's daily power consumption stands at 1.6 ...

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The 12MWp Solar PV Plant commissioned by CIAL Infrastructures Ltd. in the 52 acres vacant area near the cargo complex enabled CIAL to become the first airport in the world to be fully powered by solar energy. Although, this initiative was well appreciated, there were criticisms for not utilising the land for any productive purpose.

CIAL Infra continued its foray into solar power generation to meet the increasing demand of CIAL on commissioning of its new International terminal, which doubled the energy consumption of the airport. In May 2016, a 2.4 MWp solar PV plant was commissioned adjacent to the existing 12 MWp plant.

Cochin International Airport (CIAL) is set to open a solar power plant in Payyanur, Kerala with a 12 Megawatts-peak (MWp) capacity. With the commissioning of the Payyanur plant, the cumulative installed capacity of CIAL solar plants has reached 50 MWp.

And by 2015, CIAL, becomes the first airport in the world that completely operates on solar power comprising 46,150 solar panels laid across 45 acres near the cargo complex. ...

CIAL's solar power plant is producing 50,000 to 60,000 units of electricity per day to be consumed for all its operational functions, which technically makes the airport's power neutral. Now the airport operator have 8 plants near the premises of the airport having a cumulative capacity of 40 MW. More green initiatives are adding up to it.

These include seven plants functioning at the premises of the airport, a solar carport and the one to be commissioned now at Payyanur. CIAL's solar power plants together generate 2 hundred thousands (2 lakhs) of units of power a day whereas the airport's daily power consumption stands at 1.6 hundred thousands of units.

Under the aegis of the CIL, in 2015, the airport became the world's first to fully run on solar power. "We



Cial solar power project photos

initiated a pilot project in February 2013 as part of our plan to shift to ...

Global Solar Power Tracker, a Global Energy Monitor project. Report an error: CIAL solar project is an operating solar farm in Kerala, India. Project Details Table 1: Phase-level project details for CIAL solar project. Status Commissioning year Nameplate capacity Technology Operating:

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CIAL Infra purchased 35 acres of property in Payyannur, Northern Kerala, as part of its effort to expand its solar projects outside of CIAL premises, and built an 11.6 MWp solar plant there.

Solar power projects Organic farming Small Hydro Electric Projects(SHEP) Tenders ... CIAL Infra forayed into energy generation from Small Hydro-Electric projects. The Government of Kerala had allotted to CIAL Infra, a small hydro-electric project called Arippara SHEP of 4.5MW capacity, in Kozhikkode district. ... Photo Gallery; Video Gallery ...

The CIAL Solar Power Project is a 50 megawatt (MW) photovoltaic power station built at Cochin International Airport, India, by the company Cochin International Airport Limited (CIAL). Cochin International Airport became the first fully solar powered airport in the world with the commissioning the plant.

CIAL, which started its solar initiatives in 2013 with a 100kWp Pilot Plant, now has a total installed solar capacity of 50 MWp. In 2015, CIAL attained the status as World's first airport to be fully powered by solar energy with an installed capacity of 13.1MWp. Together with its 4.5 MW Hydroelectric power project at Arippara, CIAL is now the ...

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