

தொழில் துறை

முதலீட்டாளர்களின் முதல் முகவரி - தமிழ்நாடு  
**TAMILNADU - INVESTORS' FIRST PORT OF CALL**  
INVESTMENT CONCLAVE - JULY 2022

தலைமை

மாண்புமிகு தமிழ்நாடு முதலமைச்சர்



ACME plans new Green Hydrogen & Ammonia project in Tamil Nadu

TAMIL NADU – INVESTORS' FIRST PORT OF CALL INVESTMENT CONCLAVE

# ACME Green Hydrogen to invest ₹52,474 cr in TN

## Tata Power will invest ₹3,000 crore in Tirunelveli for making PV cells, modules

OUR BUREAU  
Chennai, July 4

The Gurugram-based ACME Green Hydrogen and Chemicals Pvt Ltd will set up a green ammonia and green hydrogen factory in Thoothukudi, Tamil Nadu, at a cost of ₹52,474 crore. This will be one of the largest such plants in the world, said the company's founder, Manoj Kumar Upadhyay, at the Tamil Nadu - Investors' First Port of Call Investment Conclave held on Monday. This was the largest investment announced at the event.

The green ammonia hydrogen will provide chemicals to the fertiliser industry, fuel to the power sector and to the shipping industry. The factory needs a large piece of land

near the port, solar radiation, and a skilled talent pool, all of which are available in Tamil Nadu, he said at the event.

Tamil Nadu further enhanced its image of being the top State in the country when it comes to clean and renewable energy with two significant projects worth nearly ₹12,000 crore announced at the event.

The US-based Cubic PV will invest ₹8,832 crore to set up a plant in the State with a manufacturing capacity of 4 GW cells and 4 GW modules. Peter Van Mierlo, CFO, Cubic PV, said India is the only global market that has put up a number of measures in place to create the next solar industry. The industry has been moving from the US, to Europe, China and



MK Stalin, Chief Minister of Tamil Nadu; Thangam Thennarasu, Industries Minister; and S Krishnan, Industries Secretary, at the signing an MoU with Manoj Kumar Upadhyay, CMD, ACME Group, at the TN - Investors' First Port of Call Investment Conclave - July 2022, in Chennai **BJAY GHOSH**

India will be the next place to be. The company selected Tamil Nadu because of the government support, talent pool and the number of universities. Three Nobel laureates have come from the State, and they were in Physics

and Chemistry - both are at the heart of solar energy, he said.

### TN to lead in RE

Tata Power will invest ₹3,000 crore in Sipcot Gangaikondan in Tirunelveli with a manufacturing capacity of 4 GW solar

cell and 4 GW module. Work is likely to start next month and by next year, around this time, the first phase of the project will be in place with solar modules coming out of the plant, Praveer Singh Singh, MD and CEO, Tata Power, said.

The company has been manufacturing solar cells and modules for the last 30 years and strongly believes that Tamil Nadu can take the lead in renewable energy and the way it can be used. The State has the maximum wind farms in the country of nearly 10 GW and has a huge potential of around 60 GW, he said.

While there is a huge opportunity for wind energy on the ground, offshore wind energy opportunities are there for nearly 35 GW. "I am sure Tamil Nadu will be the first State in the country which will have an offshore green plant," he said.

# Tamil Nadu inks investment deals worth ₹1.25L crore

## ACME Green Hydrogen To Invest ₹52,695Cr For Tuticorin Plant

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Chennai: The Tamil Nadu government on Monday entered into 60 MoUs with investors to attract more than ₹1.25 lakh crore investments that are expected to generate 75,000 jobs. With this 'single day record' at the Investors' Conclave on Monday, the government has registered cumulative investments of ₹2.2 lakh crore since May last year.

The new investments include industrial units that make auto components, electric vehicles, solar power components, lithium cells, green energy and aerospace, besides Fin-Tech and data centres. Key

### 68% of investments in south Tamil Nadu

- > ₹2.2 lakh crore investments in TN since DMK gov't took over in May 2021
- > ₹3,000 crore by Tata Power to make 4GW solar cells
- > ₹2,850 crore lithium ion cell unit of Lucas TVS in Tiruvallur dist in pipeline
- > Module manufacturing unit to come up at Sipcot Gangaikondan in Tirunelveli district

investors include ACME Green Hydrogen and Chemicals, which is planning to invest ₹52,695 crore for a green ammonia plant at Tuticorin and Tata Power which will invest ₹3,000 crore to make 4GW solar cells.

Also in the pipeline is a module manufacturing unit at Sipcot Gangaikondan in Tirunelveli district.

► \$1trillion economy, P 11

■ 60 திட்டங்கள் மூலம் 74,898 பேருக்கு வேலைவாய்ப்பு ■ த



▶ முதல்வர் மு.க.ஸ்டாலின் முன்னிலையில் நேற்று, சென்னையில் நடந்த 'முதலீட்டாளர்கள் முதல் முகவரி - தமிழ்நாடு' முதலீட்டாளர்கள் மாநாட்டில் 1,25,244 கோடி ரூபாய் முதலீட்டில் 74,898 பேருக்கு வேலைவாய்ப்பு வழங்கும் வகையில் 60 திட்டங்களுக்கான புரிந்துணர்வு ஒப்பந்தங்கள் செய்யப்பட்டன. இதில், அமைச்சர் தங்கம் தென்னரசு, தொழில் முதலீட்டு ஊக்குவிப்பு மற்றும் வர்த்தக துறை செயலாளர் கிருஷ்ணன் மற்றும் அதிகாரிகள் பங்கேற்றனர்.

# Acme to invest ₹52,474 cr for green hydrogen plant

The project will comprise a 5 GW solar PV plant, 1.5 GW electrolyzer unit

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NEW DELHI

**A**cme Group said on Tuesday that it will invest ₹52,474 crore to build a green hydrogen and ammonia plant in Tamil Nadu.

The project will comprise a 5 gigawatt (GW) solar photovoltaic plant and a 1.5 GW electrolyzer unit. The plant is expected to produce 1.1 million tonnes of ammonia a year.

*Mint* reported on 9 May that Acme Solar Holdings Ltd was looking to build an integrated renewable energy and green ammonia production facility in Tamil Nadu at an investment of about \$6 billion (₹48,000 crore).

"This facility will be perhaps the largest in the world. It will produce green hydrogen and ammonia, which will help to decarbonize sectors such as fertilizers, power, refining and steel. The project requires four ingredients—solar radiation, access to port, availability of land and skilled resources. Tamil Nadu offers all of these," Acme Group founder and chairman Manoj Kumar Upadhyay said in a statement.

Green hydrogen is produced by splitting water into hydrogen and oxygen using electrolyzers. The electrolysis is powered by energy from renewable resources such as wind and solar.

India has set a five-million-tonne green hydrogen production target by 2030 to help bolster its geopolitical heft and become a game changer for its energy security. India currently imports 85% of its oil and 53% of gas requirements.

Acme Solar is the last Indian promoter-owned large green energy platform with 8.5 GW of operational and under-development projects.

Founded in 2003 by Upadhyay, Acme Solar announced plans to produce green



Green hydrogen is produced by splitting water into hydrogen and oxygen using electrolyzers. The electrolysis is powered by clean energy such as wind or solar. ISTOCK

hydrogen in India and Europe in partnership with France's Lhyfe Labs SAS. Acme Solar is also an equal partner of Equinor-promoted Scatec ASA for a 1.2 million tonnes per annum green ammonia project in Oman. It has also signed an agreement to

the statement. With the Indian government promoting the emission-free new-age, fuel, Indian companies such as Adani Group, Reliance Industries and Greenko Group have shown significant interest in the sector.

As part of its green hydrogen playbook, New Delhi is encouraging green hydrogen exports to Japan, Europe and South Korea. The government has allowed green electricity at concessional rates, waiver of inter-state transmission charges, land at

renewable energy parks and mega manufacturing zones for promoting green hydrogen and green ammonia.

*Mint* had also reported on India's plans to introduce a production-linked incentive scheme to encourage manufacturing of electrolyzers.

## GOING GREEN

**INDIA** has set itself a target of achieving five-million-tonne green hydrogen production by 2030

**THE** move could boost India's geopolitical heft and help bolster its energy security.

**INDIA** currently relies on imports to meet 85% of its oil and 53% of its gas requirements

have Japan's NYK Line as a strategic shipping partner for its green ammonia projects. "Acme is willing to work with the government to not only help build this project but also to create an ecosystem of smaller units," said Sandeep Kashyap, chief operating officer, Acme Group, in

# TN signs MoUs worth ₹1.25 trn with 60 firms

Tata Power, Lucas TVS and IMAL are among the firms that signed MoU

SHINE JACOB  
Chennai, 4 July

Tamil Nadu secured investments worth ₹1.44 trillion on Monday by signing of memoranda of understanding (MoU) with 60 companies, laying of foundation stones and inauguration of new projects.

The projects are expected to create 74,898 jobs. The major investment pacts include a ₹52,000-crore green

hydrogen and ammonia facility by ACME Green Hydrogen in Thoothukudi, a ₹3,000-crore 4-giga watt (GW) cell and 4 GW solar module manufacturing unit by Tata Power, lithium ion Cell unit by Lucas TVS, and Chemicals and ceramic tile manufacturing facility by Aravind Ceramics.

Chief Minister M K Stalin also laid the foundation stone for 21 projects with an investment commitment of ₹22,252 crore and employment

potential for about 17,654 persons. This includes a ₹3,500-crore data centre and IT unit by L&T, ₹2,500-crore data centre by Sify Technologies, ₹1,448-crore data centre by CtrlS and an over ₹500-crore garment unit by Jay Jay Mills. Of the total 60 MoUs signed on Monday, 53 were facilitation agreements involving an investment of ₹65,373 crore and a job creation potential for 58,478 people.

Addressing the event, Stalin highlighted that semi-conductors, electric vehicles and green energy are the key emerging industries in the state. Ever since the DMK government took charge in May 2021, the state has signed 192 MoUs worth around ₹2.25 trillion. Stalin indicated that the state's Dravidian model of governance with a peaceful business environment is bringing global industrialists to the state.

The projects are expected to create 74,898 jobs in the state

INVESTMENT CONCLAVE CM UNVEILS 60 INDUSTRIAL INVESTMENTS TOTALLING OVER ₹1.25 LAKH CR

# TN's Peaceful, Enabling Business Scene is Drawing Global Industry, says Stalin

Our Bureau

**Chennai:** Indian and global industrialists are lining up to leverage the peaceful and enabling business environment offered by Tamil Nadu as it accelerates the inclusive "Dravidian model" of governance, chief minister MK Stalin said at an investment summit here on Monday.

Stalin laid out the vision for Tamil Nadu in the coming years: surpass the \$1-trillion economy landmark, become South Asia's top destination for investments, make available "made-in-Tamil Nadu" products across the world and execute the plan of inclusive growth across districts in Tamil Nadu.

The CM unveiled 60 industrial investments totalling over ₹1.25 lakh crore on Monday, stemming from businesses into software products to electric vehicles to solar power.

The fresh MoUs land across segments, with an estimated job generation opportunity close to 75,000.

Among the large investments include ACME Group's ₹52,000-crore integrated renewable energy plant, Tata Power's 4GW solar photovoltaic cell plant, Lucas



Chief minister MK Stalin along with the state's industries minister Thangam Thennarasu and industrialists during the 'Tamil Nadu - Investors' First Port of Call' Investment Conclave 2022, in Chennai on Monday. — PTI

TVS' Lithium-ion cell plant, besides commitments in several fields, including electric vehicles and components, renewable energy and automotive industries.

In his speech, Stalin said the state has executed 192 MoUs since the DMK government took over in May last year, garnering investments of over ₹2.25 lakh crore so far. Stalin said emerging industries such as semiconductors, electric vehicles and renewable energy are

critical to the state's growth story. The ACME investment, he said, would see Thoothukudi emerge as a "green energy hub". "This plant will be the lighthouse for India's decarbonisation journey," Manoj Kumar Upadhyay, founder and chairman of ACME Group, said.

TN's industries minister Thangam Thennarasu said the increasing flow of investments into the state is reflective of the confidence vested in the state's current leadership.

IN THE VISION



Surpassing \$1-trillion economy landmark, becoming S Asia's top destination for investments, making available 'made-in-Tamil Nadu' products globally

Stalin also laid the foundation stone for 21 projects worth over ₹22,000 crore on Monday, with 20 of them struck as deals by the new DMK government beginning May 2021.

The state envisioned fiscal incentives for projects broadly categorised under Life Sciences, including pharma and biosimilars, through a special Life Sciences policy.

Tamil Nadu also unveiled a tie-up with Infosys to make available 'Springboard', an effort for students to avail themselves of digital courses for employment increasingly veering toward digital skills, said a release.

**₹2,20,219 cr**

The total investment TN attracted through 192 MoUs signed between July 20, 2021 and July 4, 2022

**3,02,200**

Jobs expected to be generated in Tamil Nadu through the MoUs signed since last year

**₹82,674 cr**

Investment in Thoothukudi district for green hydrogen and green ammonia production



An MoU being exchanged by Guidance Tamil Nadu MD & CEO (left) Pooja Kulkarni and DubsPV CFO Peter van Marlo at the 'TN Investors First Port of Call, Investment Conclave July-2022' held in Chennai on Monday. CM MK Stalin nearby | **ANANDAN**

## TN signs ₹1.25 lakh cr deals, Pearl City gets lion's share

60 MoUs inked; Stalin says 'Made in TN' products must go global

**C SHIVAKUMAR** @ Chennai

TAMIL Nadu on Monday signed 60 MoUs with multiple companies to bring in ₹1.25 lakh crore worth of investments and generate 75,000 jobs across sectors.

The bulk of the deal went to Thoothukudi district which managed to attract ₹82,674 crore investments in green hydrogen and green ammonia production at the Tamil Nadu Investors' First Port of Call - Investment Conclave July '22 held in Chennai. The huge investment gives the southern district the chance to emerge as a hub in the renewable-energy sector, Chief Minister MK Stalin said on Monday.

Of the total investment planned in Thoothukudi, ₹52,474 crore is from Gurugram-based ACME Green Hydrogen

and Chemicals for manufacturing green ammonia and green hydrogen, and setting up solar plants. The huge investment in green hydrogen sector comes at a time when the State Industries Department is planning to frame a draft policy in line with the Union government's national green hydrogen policy. The Centre's policy targets production of five million tonnes of green hydrogen by 2030.

### 75,000 jobs

The MoUs signed between TN and multiple companies on Monday is expected to generate nearly 75,000 jobs.

Speaking at the event, CM Stalin said the investments have nearly doubled compared to last year.

ACME Group founder Manoj Kumar Upadhyay said the plant will be the largest in India for manufacturing green ammonia and green hydrogen. "The reason we chose the district is due to its closeness to the port. Also, the land parcel there is huge," Upadhyay said.

Pooja Kulkarni, Managing Director and CEO of TN's investment promotion agency, Guidance, said the project is in its initial stage. "We have been holding talks with the ACME officials for the last five months. There have been multiple site visits. The land parcel requirement is around 30,000 acres and dry lands are likely to be leased to ensure that farmers who are in distress due to lack of rain will get compensation. To meet the water requirement, a desalination plant will also be set up along the coast," she said.



<https://www.youtube.com/watch?v=T1ZPyS-aR7s>