

INFRA INSIGHTS

EDGE OF COGNIZANCE

MARCH | 2023 | VOLUME 2



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RENEWABLE ENERGY

Share of renewable energy in ports to increase by 60%

India intends to increase the share of renewable energy to 60% of the total power demand of each of its major ports from the present share of less than 10%, Union minister for Ports, Shipping and Waterways Sarbananda Sonowal said. The ports have also aimed to reduce carbon emissions, per tonne of cargo handled, by 30% by the year 2030. The Maritime Vision Document-2030, released by Prime Minister, is a 10 Year blueprint on India's vision of a sustainable Maritime sector and vibrant blue economy. As envisaged in the National Hydrogen Mission, the ministry has identified and nominated Paradip Port, Deendayal Port and V.O. Chidambarar Port to be developed as hydrogen hubs, capable of handling, storage and generation of green hydrogen by 2030. The ministry has undertaken green port initiatives in the major ports so that their environmental performance can be improved.



The initiatives include the acquisition of equipment for monitoring environmental pollution, acquisition of dust suppression systems, setting up of STP's garbage disposal system for ports and ships, developing shore reception facility for wastes from ships, setting up projects for energy generation from renewable energy sources, providing shore power to ships at berths, the inclusion of sustainable practices in terminal design, development and operation, etc.

LOGISTICS

Welspun One Logistics Parks to invest ₹2,000 cr in Uttar Pradesh warehousing facilities

Welspun One Logistics Parks (WOLP), an integrated fund, development and asset management organization, has signed a pact with the Uttar Pradesh government to set up warehousing facilities and logistics parks in the state at an investment of ₹2,000 crores. The MoU was signed at the UP Global Investors Summit 2023 which was held on 10-12 February 2023 in Lucknow.



Uttar Pradesh is aiming to be a \$1 trillion economy, and the logistics and warehousing sector has been identified a priority sector to help achieve this target. The warehousing facilities and logistics parks will be spread across about 6 million square feet and will be built over 3-4 years which will help generate 6,000 jobs. "Our investment of INR 2,000 crores not only paves the way for Welspun One to expand into the growing warehousing and logistics market but also significantly demonstrates our ongoing dedication to the Indian economy. This industry is going through a major transformation as more emerging sectors and other businesses create increasing demand," said Balkrishan Goenka, Chairman, Welspun Group. This association will boost the fundamental goal of developing cutting-edge facilities of the greatest caliber and aid in taking the next leap forward. Welspun One seeks to effectively utilize government and private land parcels in Lucknow for the construction of Grade A warehouse facilities and logistics parks.

What's Trending

India now at 4th global position for overall installed renewable energy capacity.

What's Trending

Multi-Modal Logistics Parks (MMLPs) is a key policy initiative of the Government of India, led by National Highways Logistics Management Limited under Ministry of Road Transport and Highways (MoRTH) and the National Highways Authority of India (NHAI), to develop Multi-Modal Logistics Parks in hub-and-spoke model to improve the country's freight logistics sector by lowering overall freight costs and time and cutting warehousing costs.

RAILWAYS

Aluminium Vande Bharat trains, Game changer for Indian Railway commuters

The Vande Bharat Express, India's first indigenously built semi-high-speed train, has been designed and developed by the Integral Coach Factory (ICF) in Chennai. The train is equipped with several modern features and technologies. BG Mallya, General Manager of Integral Coach Factory (ICF) said that in the near future Vande Bharat will be developed with an aluminum body, which will make it a significant addition to India's railway infrastructure.

Aluminium is lighter than steel, which means that the train is more fuel-efficient and produces fewer emissions. This is particularly important in India, where the railways are a major source of greenhouse gas emissions. The use of aluminium in the train's body will help to reduce its carbon footprint significantly. Aluminium is more durable than steel and is resistant to rust and corrosion.



URBAN DEVELOPMENT

Smart Cities Mission: 22 cities to be ready by April

A total of 22 cities will be ready by next month under the government's prestigious Smart Cities Mission. With the completion of all projects, the citizens residing in these cities will be able to access a better quality of life and a clean and sustainable environment to survive. At present, the projects in these 22 cities are in advanced stages. As on March 06, 2023, a total of 5,399 out of 7,799 projects worth Rs 1,02,803 crore have been completed while the work on 2,400 projects of Rs 77,537 cr is going in full swing. The government has selected 100 cities across the country for transformation through four rounds of competition from Jan 16-Jun 18.



The 22 cities where all projects under Smart Cities Mission will get completed are – Bhopal, Indore, Agra, Varanasi, Bhubaneswar, Chennai, Coimbatore, Erode, Ranchi, Salem, Surat, Udaipur, Visakhapatnam, Ahmedabad, Kakinada, Pune, Vellore, Pimpri-Chinchwad, Madurai, Amaravati, Tiruchirappalli and Thanjavur. With the completion of projects in 22 cities, the remaining work in 78 cities is likely to be completed by August 2023.

MINERALS

India can become a global lithium supply chain leader without even producing it: Lohum

The geological Survey of India confirmed that approximately 5.9 million tonnes of lithium reserves had been discovered lying under the earth in the Raesi district of Jammu and Kashmir. Since then, many have celebrated the discovery as a game changer in the country's clean-energy mission of having more EVs on the road. On the other hand, the prospect of mining lithium has sparked environmental concerns for the Himalayan belt and even instigated threats from a terror group in the region. However, while this lithium can certainly change India's fate, it is also anticipated to lead to the concern of battery was the management policy/process.

By 2030, India is expected to have 13.92 lakh EVs on the roads and in order to have a wholesome EV manufacturing ecosystem by that time, the country needs to have a structured and coherent way to process the batteries that have run out of use.



What's Trending

Vande Bharat Express has already made passengers get the train journey more comfortable. At present, the train is equipped with modern amenities such as Wi-Fi, GPS-based passenger information systems, and comfortable seats.

What's Trending

The main objective of the Smart Cities Mission is to promote cities that provide core infrastructure and give a decent quality of life to their citizens. The core infrastructure elements under the mission include – an adequate supply of water, 24*7 supply of electricity, sanitation, solid waste management, facility of urban mobility and public transport, housing especially for the poor, IT connectivity, good governance, sustainable environment, safety and security of citizens, health, and education.

What's Trending

In conclusion, India needs to capitalise on the newly found lithium reserves in a highly efficient manner. Currently, alongside the lithium cells themselves, the country also imports other components used in an EV battery.