## BRICS lays stress on 'green hydrogen'

## India invites corporates to ensure investments for better planet

New Delhi, June 23:
The government and industry must work together to ensure existing regulations are not unnecessary barriers to investment, Union Power Secretary Alok Kumar said.
He was speaking at a virtual two-day BRICS Green Hydrogen emissions in absolute terms and fulfil the country's 'Atmanirbhar at a virtual two-day BRICS Green Hydrogen emissions in absolute terms and fulfil the country's 'Atmanirbhar at a virtual two-day BRICS Green Hydrogen emissions in absolute terms and fulfil the country's 'Atmanirbhar at a virtual two-day BRICS Green Hydrogen economy to la hydrocarbon full not only reduce its import dependency on hydrocarbon fulls or hydrocarb

"Government and industry must work together to ensure existing regulations are not an unnecessary barrier to investment," Kumar was quoted as saying in a statement by NTPC.

He was of the view that trade will benefit from common international standards

benefit from common international standards for safely transporting and storing large volumes of hydrogen and having appropriate certificate of

BRICS countries could

BRICS countries could work together on these aspects, he added.

"India has launched an ambitious National Hydrogen Mission to introduce hydrogen purchase obligations for fertilizers, refineries involving private sector in transparent & competitive manner to produce green hydrogen," Kumar noted.

Green hydrogen is of

Green hydrogen is of reat topical interest all the countries. great topical interest to all the countries, including BRICS nations, as it has great potential to ensure sustainable energy supply, increase the level of energy availability and minimise the negative impact on

Singh said, "Five BRICS countries share a common vision of sustainable development sustainable development and inclusive economic growth. Strengthening energy cooperation and ensuring affordable, reliable, accessible and secure energy for all, has always been a strategic area of importance in the agenda of BRICS countries." He opined that for India, the transition of these emerging technologies in these countries is a fraction in comparison to that of other developed nations, the statement said.

on comparison to that of other developed nations, the statement said.

NTPC is pioneering green hydrogen linitiatives in India. it added.

As the world rapidly moves to decarbonise the entire energy system, hydrogen is poised to play a vital role and build on the rapid scale-up of renewable resources across the world. Hydrogen when produced by electrolysis using renewable energy is known as Green Hydrogen which has no carbon footprint, the statement said.

Green hydrogen has increased across the statement said.

no catoon to the control of the cont

# emissions in absolute terms and fulfil the country's 'Atmanirbhar Bharat' vision. The online event saw leading experts from Brazil, Russia, India, China and South Africa (BRICS) share their insights on the subject as well as the latest developments going on in their countries in the area of green hydrogen. The keynote speakers were Agnes M da Costa (Ministry of Mines & Energy, Brazil), Kovalev Andrey (Russian Energy Agency, Russia), Prakash Chandra Maithani, (Scientist, MNRE, Government of India), Fur Tianyi (National Energy Administration of China) and Makgabo H Tsiri (International Relations, National Department of Energy, South Africa). These BRICS countries are capable of ensuring that there is net-zero carbon emission since the cost of deployment What is green hydrogen?

Hydrogen fuel is considered environmentally-friendly since it does not produce the same waste as fossil fuels during production. But to produce usable hydrogen, it has to be separated from water, biomass (plant and animal waste), coal, or natural gas.

What is green hydrogen? Simply put, it is hydrogen fuel that is created using renewable energy instead of fossil fuels. It has the potential to provide clean power for maunfacturing, transportation, and more—and its only byproduct is water.

Green hydrogen: an alternative that reduces emissions.

oriest hydrogen is produced using renewable energy and electrolysis to split water and is distinct from grey hydrogen, which is produced from methane and blue hydrogen, which captures those emissions and stores them underground to prevent them causing climate change.

The business case for green hydrogen requires very large amounts of cheap renewable electricity because a fair amount is lost in electrolysis. Electrolyzer efficiencies range from around 60 percent to 80 percent.

Hydrogen is easily produced from water by electrolysis, a process which uses electricity to break the bonds between water's constituent elements, hydrogen and oxygen, and releases them as gas. Currently, industrial production of hydrogen relies overwhelmingly on fossil fuels to power the electrolysis process.

### Letter to Editor

## IISc ranked world's top research varsity

It is heartening to note that the Indian Institute of Science IISc Bengaluru has been ranked as the world's top research university, achieving a perfect score of 100 on 100, the metric of citations per faculty (CPF) indicator ahead of varsities like Princistes like vincients end Technology, Georgia Institute of Technology and Caltech.

ogy and Caltech.

IIT Guwahati too emerged as a top research Institution from India, being ranked
41st for CPF which measures research impact among the top 50 globally. The results accounted for the distribution and performance of 14.7 million academic Papers published
between 2015 and 2019, and the 96 million citations received by those papers, Q8 World
University Rankings 2022 released on 9.6.2021 has been done among 13000 varsities 145
more than in last year's edition, from across 197 locations this year.

Indian Universities have made consistent progress in QS's Academic Reputation (AR) metric with 20 of the 35 entrants having improved their scores. In the overall rankings, despite having fallen five places from 2021 rankings, IIT Bombay is India's top ranked institution for the fourth consecutive year at the World University rankings, conducted by the QS Quacquarelli Symonds, global higher education analysts.

In the 18th edition of the world's most consulted international university rankings tree Indian Universities find place among the global top 200.

There are also record breaking performances for three of India's IITs IIT Delhi has become India's second best university having risen from 193rd to 185th overtaking IISc Bengaluru which ranks joint 186th.

Among other top performers, IIT-Madras has risen 20 places, and now ranks Joint 255th which is the highest position since 2017. IIT Kharagpur also improved its performance and ranked at 280th while IIT Guwahati joint 395th enters the global top 400 for the first time ever. Amit Khare, Secretary higher education, Ministry of Education said "The good outcome is primarily due to enthusiasm generated by the National Education Policy NEP 2020 among the faculty and the researchers of the institutions. This has been indicated with IISC being ranked as the global leader and IIT Guwahati also ranked among top 50 globally."

Maraimalai Nagar

## India, US two-day mega naval drill in Indian Ocean

New Delhi, June 23: The Indian Navy will participate in a two-day mega naval exercise with the US naval participate in a two-day mega naval exercise with the US naval carrier strike group Ronald Reagan in the Indian Ocean region from Wednesday, in reflection of the growing operational cooperation between the two navies, officials said.

The Indian Air Force said it also will participate in operational engagements with the US Carrier Strike Group (CSG) which is currently deployed in the Indian Ocean Region.

A carrier battle group or carrier strike group or carrier strike group is a mega naval fleet comprising an aircraft carrier, accompanied by a large number of destroyers, frigates and other ships.

destroyers, frigates and other ships.
Indian Naval ships Kochi and Teg along with a fleet of P8I maritime surveillance

aircraft and MiG 29K jets will participate in the drills, Navy officials

and Ticonderoga class guided missile cruiser USS Shiloh." Indian Navy spokesperson Commander Vivek Madhwal He said the two-day exercise aims to strengthen the bilateral relationship and cooperation by demonstrating the ability to integrate and coordinate comprehensively in maritime operations.

said.

"The Indian Naval warships along with aircraft from Indian Navy and Indian Air Force will be engaged in joint multidomain operations with the carrier strike group comprising Nimitz class aircraft carrier Ronald Reagan, Arleigh Burke class guided missile destroyer USS Halsey

India key defence ally: Pentagon official

Makington, June 23:
India is an essential partner for the United States and the two countries have seen a great progress in their defence ties, a Biden administration nominee for a top Pentagon position has told lawmakers.

Dr. Ely Ratner, nominee to be Assistant Secretary of Defence for Indo-Pacific Security Affairs, also said that the Indo-Pacific region rightly serves as the Department's priority theatre.

India is an essential partner for the US. In the 21st century, the Department's priority theatre.

India is an essential partner for the US. In the 21st century, the Department of Defence has made great progress across. Republican and Democratic administrations in deepening our defence relations with India, Ratner said during his confirmation hearing last week.

There are a number of foundational agreements that have been signed over the last several years that, if confirmed, I would work hard to implement. And of course, India is now part of the Quad framework with Australia and Japan and the US as a foundation of the strength of our democracies in the region, Ratner told members of the Senate Armed Services Committee during his hearing.

exercises, cross deck helicopter operations and anti-submarine exercises. The participating forces will endeavour to hone their war-fighting skills and enhance their interoperability their interoperability as an integrated force to promote peace, security and stability in the maritime domain," Madhwal said. "Indian Navy and US

Navy regularly undertake a host of bilateral and multilateral exercises which underscore the shared values as partner navies, in ensuring commitment to an open, inclusive and a rule-based international order, he said.

The IAF said the assets to be part of the exercise would include Jaguars and Su-30

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## Pawar takes 3rd front leadership, holds meeting in Delhi

Washington, June 23:
The Democrats'
sweeping attempt to
rewrite US election and
voting law stalled in the
Senate Tuesday, blocked
by a wall of Republican
opposition to what would
have been the largest
overhaul of the electoral

on sweeping poll reforms

23: vote after Republicans, ratis' some of whom derided to the bill as the Screw the People Act, denied Democrats the 60 votes needed to begin debate. The first black woman to hold her office, presided over the chamber as the bill as failed. The rejection forces also personally personally bemocrats to reckon with what comes next ted, for their top legislative divided Senate. They've ghts to scores of proposals advancing in GOP-controlled statehouses of making it more difficult to vote.

Washington, June 23: vote after Republicans, the Democrats some of whom derided eping attempt to the bill as the Screw

holds meeting in Delhi

New Delhi, June 23:
Leaders of eight opposition parties including TMC, SP AAP, RLD
and the Left assembled at NCP chief Sharad Pawar's residence here on Tuesday and discussed various issues facing the country, amid heightened speculation about the possibility of a third front against the ruling BJP.

However, leaders who took part in the discussions asserted that it was a "non-political" meeting of like-minded individuals sions asserted that it was a "non-political" meeting of like-minded individuals as "non-political" meeting of Rashtriya Manch that was floated by former finance minister and TMC vice-president Yashwant Sinha along with others.

A senior Nationalist Congress Party (NCP) leader, speaking on the condition of anonymity before the leaders met, too dismissed the intense political buzz surrounding the meeting, saying man anti-BJP front or a non-Congress front. It was not a meeting for forming an anti-BJP front or a non-Congress front. The meeting and was at hone-political from the Aam Aam Chaul Paylor (AAP). Bilippy look and Paylor (AAP) was not a meeting in a meeting of a short of was non-political from the Aam Chaul Paylor (AAP). Bilippy (AAP) baland paylor (AAP) was a non-political was a non-political from the Aam Chaul Paylor (AAP). Bilippy (AAP) baland paylor (AAP) was a non-political was a non-political from the Aam Chaul Paylor (AAP). Bilippy (AAP) baland paylor (AAP) was a non-political was a non-political was a non-political from the Aam Chaul Paylor (AAP). Bilippy (AAP) baland paylor (AAP) was a non-political was a non-political meeting of Rashtriya Manch and Norp leader Paylor (AAP). Bilippy (AAP

our democracy.
Whatever decide,
they will likely be
confronted with the same
challenge they faced on
Tuesday when minority
Republicans used the
filibuster the same tool
that Democrats employed
during Donald Trump's
presidency to block
consideration of the Bill.
Republicans showed
no sign of yielding.
Republican leader Mitch
McConnell called the
Bill a a solution looking
for a problem and vowed
to put an end to it.

Republicans derail Democrats bid legislation to protect voting rights, ensure the integrity of our elections and repair and strengthen our democracy. Whatever the

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RASI ELECTRODES LIMITED

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## have been the largest overhaul of the electoral system in a generation. The Bill, known as the For the People Act, would touch on virtually every aspect of how elections are conducted, striking down hurdles to voting that advocates view as the Civil Rights fight of the era, while curbing the influence of money in politics and limiting partisan influence over the drawing of congressional districts. But many in the GOP say the measure represents a breathtaking federal infringement on states authority to conduct their own elections without fraud and one meant to ultimately benefit Democrats. It failed on a 50-50 the chamber as the bill affeld. The rejection forces Democrats to reckon with what comes next epriority in a narrowly divided Senate. They've counterweight counterweight to vote: making it more difficult to vote. Before the vote, Biden the proposal state of the soul of America, said Senate Majority Leader Chuck Schumer. We will be proposal to the chamber as the bill affeld. The rejection forces Democrats to reckon with what comes next priority in a narrowly divided Senate. They've counterweight to vote: making it in a counterweight of the result of the counterweight of the measure as a powerful counterweight of the measure as a downeing in GOP. This is a battle for the soul of America, said Senate Majority Leader Chuck Schumer. We will be the counterweight of the measure as a powerful counterweight of the measure as a powerful counterweight of the measure as a powerful counterweight of the result of the counterweight of the result of the counterweight of the representation with the comes next of the representation with what comes next of the chamber as the bill affeld. The rejection forces of the chamber as the bill affeld. The rejection forces of NOTICE OF LOSS OF SHARE CERTIFICATES

பெயர் மாற்றம்

ANANDI RAJASEKAR

## அண்ணா தி.மு.க.வை கபவீகரம் செய்ய முயற்சிக்கும் சசிகலாவை எந்த சூழ்நிலையிலும் ஏற்றுக்கொள்வதில்லை

பார்களுர் இன 33அண்ணா இ.மு.க.வை. கபசிசுரம் செய்ய முயற்சியில் ஈடுபட்டுள்ள சிகலாவை எந்த குழ்நிகையிலும் ஏற்றுக்கொள்வடுல்லை என்று சுந்நாடக மாநில அண்ணா இ.மு.க. நிர்வாகிகள் கூட்டத்தில் மாநில செயலாளர் எஸ். டி. குமார் தலைமையில் தீர்மானம் நிறைவேற்றப்பட்டது. சந்நாடக மாநில அண்ணா இ.மு.க. முக்கிய நிர்வாகிகள் கூட்டம் மாநில செயலாளர் எஸ்.டி. குமார் தலைமையில் நடந்தது, கூட்டத்தில் நிறைவேற்றப்பட்ட இர்மானங்கள் வருமாறு:

ப்பாளர் ஓ பன்னீர்செல்வம், இணை ஒருந்கிணைப்பாளர் படப்பாடி பழனிசாம், துணை குறங்கிணைப்பாளர்கள் 'சே.பி. நூனுசாம், வைத்திலிங்கம் ஆகியோர் முகத்தை வழி நடத்திச் செல்வதற்கு ர்நாடக மாநில அண்ணா தி.மு.க. ஏர்பில் நன்றி பாராட்டு தெரிவித்தும் இவர்கள் தலைமையில் கரநாடக மாநில அண்ணா கி.ம.க. தொ. ர்க்கு ்தும் மாநில அண்ணா இ.மு.க. தொடர்ந்து பயணிப்பது என்றும் ஒருமனதாக தீர்மானிக்கப்பட்டது.

ளியாற்ற இ.மு.க. நிர்வாகை ஸ்றி தெரிவிக்கிறது. ஸ்ற எதிர்க்கட்சித் ஸ்தாக தேர்வு வதாக தேர்வு

களிஷ்க் ஸ்டீல் இண்டஸ்ட்ரீஸ் லிமிடுட் யு அதுவலகம்: B-27(M), சிப்சட் இண்டஸ்ட்ரியல் காம்ப் கும்வீடிப்பூண்டி, இருவண்குர் மடிபட்டல், தமிழ்நாடு 601.20 CIN: L2710971995PLC067883

கர்நாடக மாநில செயலாளர் எஸ்.டி. குமார் தலைமையில் தீர்மானம் நிறைவேற்றம்



ஏற்படுத்த முயற்சி

பெயர் மாற்றம்

ENROLMENT NOTICE

REVATHI.R

ter 10 days of the cation of this notice and three months there after. KALAIARASAN C, Sic. drant, aged 29 years at 6, Perumal Kowil Street, Pedu, Minjur, Ponnen Taluk, valler District — 601203.

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who have any valid may notify the same to uncil with in ten days. C.PANDIYAN

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பொது அறிவிப்பு



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