



UN Secretary-General António Guterres said global greenhouse gas emissions need to drop by 45% this decade, but are currently forecast to increase by 14% and urged countries to end all coal use by 2040



The European Union said Tuesday it has purchased almost 110,000 vaccine doses to help tackle the monkeypox outbreak and would share them out among the bloc's members

## HEATWAVE CAUSING DAMAGE

A recent study describes how exposure to hot and dry conditions can damage the DNA of nestling birds in their first few days of life. This can mean they age earlier, die younger and produce less offspring. The study focused on a population of purple-crowned fairy-wrens – a small endangered songbird from Northern Australia



## EFFECTS OF HEAT ON WREN

The findings suggest unless the wrens can adapt rapidly to climate warming, their populations may struggle to survive as global temperatures rise. It is vital we consider such subtle and otherwise hidden impacts when predicting how biodiversity will fare in a warmer world



## PROBLEMS OF PARENT BIRDS

Keeping cool is also costly for parent birds. Birds often seek out shade and become less active in extreme heat. Instead of sweating, they open their beaks to pant and spread their wings to cool off. But these behaviours leave a parent bird with less time to forage or defend the nest

## EXFILE • ENVIRONMENT

## Observing the effects of climate change on birds

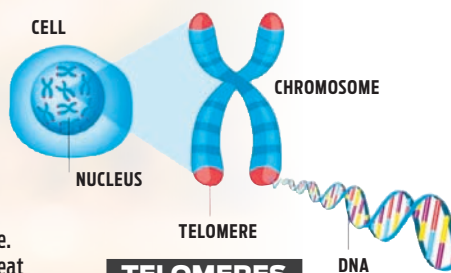
Extreme heat waves can cause birds and mammals to die en masse. But it is more common for an animal to experience relatively mild heat stress that doesn't kill it. New findings suggest that unfortunately, these creatures can suffer long-term health damage

## COST OF GROWING UP IN THE HEAT

Nestlings are particularly sensitive to hot temperatures due to their immobility, rapid growth and immature physiology. And the consequences of heat stress are potentially amplified in young birds because damage may persist into adulthood

Breeding can occur all year but peaks in the monsoonal season. Nests contain between one to four nestlings. During the study they experienced maximum air, temperatures between 31-45°C

The investigation focused on week-old nestlings, and the relationship between temperature and a section of the birds' DNA known as "telomeres"



## TELOMERES

Telomeres are DNA caps on the end of chromosomes which, among other functions, act as a buffer to protect cells from the byproducts of energy production and stress. Once this buffer erodes, the cell shuts down. As the number of these inactive cells builds up over time, the aging process accelerates

## FINDINGS OF THE STUDY

Nestlings exposed to hot, dry conditions during their first days of life had shorter telomeres. This suggests surviving heat stress may shorten their protective DNA buffer and make the birds age more quickly. Interestingly, nestlings appeared to tolerate heat better when it coincided with rain

## A MATHEMATICAL EQUATION

Hot, dry conditions are predicted to become more frequent in Australia under climate change. A mathematical model was built to simulate whether their effects on nestling telomere length may depress reproduction enough to cause population decline. It was found even under relatively mild rates of warming, the population could decline solely as a consequence of nestling telomere shortening

## ESCAPE ROUTES

The model also revealed two potential "escape" measures that might maintain population viability

## FIRST SOLUTION

The population could evolve longer telomeres, and thereby a larger buffer to prevent early aging. However, this is entirely speculative

## SECOND SOLUTION

The birds could adjust when they breed, so nestlings experience wet conditions more often. However, this seems unlikely because the number of rain days in the region is forecast to decline

# Air pollution reduces life span by five years

As per WHO guidelines, average annual PM 2.5 concentration should be no higher than 5 micrograms per cubic metre

## ENVIRONMENT

NEW DELHI: Air pollution is the greatest threat to human health in India and the average Indian resident is set to lose five years of life expectancy if the WHO guidelines are not followed, according to the Energy Policy Institute at the University of Chicago's (EPIC) Air Quality Life Index (AQLI) released on Tuesday.

The residents of Delhi, the most polluted mega city in the world with the average annual PM2.5 levels exceeding 107 micrograms per cubic metre or more than 21 times the WHO guidelines, stand to lose 10 years of life expectancy if the current air pollution level persists, the report said.



According to the new World Health Organization guidelines issued last year, the average annual PM2.5 concentration should be no higher than

five micrograms per cubic metre. It was 10 micrograms per cubic metre earlier. Measured in terms of life expectancy, the AQLI shows that

## POLLUTION LEVELS

All of India's 130 crore people live in areas where the annual average particulate pollution level exceeds the WHO guidelines. More than 63% of the population live in areas that exceed the country's own national air quality standard of 40 micrograms per cubic metre

ambient particulate pollution is consistently the world's greatest risk to human health. Globally, air pollution reduces 2.2 years of life expectancy, relative to a world that follows the WHO guidelines. This impact on life expectancy is comparable to that of smoking, more than three times that of alcohol use and unsafe water; six times that of HIV/AIDS

and 89 times that of conflict and terrorism.

"Of all the countries in the world, India faces the highest health burden of air pollution due to its high particulate pollution concentrations and large population," the report said.

"Since 2013, about 44% of the world's increase in pollution has come from India, where the particulate pollution level has increased from 53 micrograms per cubic metre to 56 micrograms per cubic metre—roughly 11 times higher than the WHO guidelines," it said.

The average annual particulate pollution in India has increased by 61.4% since 1998, leading to a further reduction in the average life expectancy of 2.1 years.

# Indian cities rise in global startup ranks, B'luru top

## TECHNOLOGY

LONDON: Bengaluru held on to its record trend of attracting technology investments and other Indian cities such as Mumbai and Delhi and hubs such as Telangana and Kerala are also making a mark on the global startup ecosystems charts, according to a new research released at London Tech Week 2022 on Tuesday.

Research from Dealroom-Company for London & Partners, London's business growth agency, showed that Bengaluru is the leading Asian city and fifth-ranked hub in the world for tech venture capital investment in 2022.

A separate 'Global Startup

Ecosystem' report from Starup Genome found that the Asian scenario in the sector once dominated by Beijing, Singapore, Hong Kong, and Korea is now being considerably disrupted by the likes of Bengaluru, Mumbai, and Delhi.

While Bengaluru ranked 22nd in the global startup ecosystem index due to major improvements in its market reach and access to funding, Delhi moved up an impressive 11 places coming in at No. 26, with Mumbai at No. 36.

'It's fantastic to see startup growth across the whole of India as this creates loads of opportunities for collaboration with London,' said Hemina Bharucha, Director of India for London and Partners.

# How coffee has become a saviour of a unique forest

## NATURE

GORONGOSA: From a distance, Mount Gorongosa looks pockmarked.

The slopes of this Mozambican landmark were once covered with verdant rain forest.

Now, they are scarred by deep holes—the result of clear-cutting that exposed the soil and parched it, leaving only shrubs and grasses. But in recent years, the forest has been growing back, thanks to a previously foreign crop: coffee.

As Juliassé Samuel Sabao walks through the plantation, at an altitude of some 1,000 metres, he points out the obvious progress.

One side of the track resembles a desert. On the other, a dense forest shelters carefully placed coffee plants. "Before, this was completely empty. Today, you see the result."

"Coffee needs shade to grow. So, for every coffee plant, we plant a tree as well," he said.

Sabao, who works for Gorongosa National Park, fled

to Zimbabwe to escape Mozambique's civil war. There, he discovered coffee culture.

He brought that knowledge back with him to help restore the mountain, which was largely cut off from the world for decades. Mozambique fought a bloody war for freedom from Portugal, but after independence in 1975, a civil war ravaged the country until 1992.



During the conflicts, Renamo rebels who used the mountain range as a war-time base and stronghold, exploited the park's natural resources to the brink of environmental collapse.

Pedro Muagara, a trained agronomist and the park's director, had planted a few seedlings, until the conflict shattered his coffee dreams.

# Now, Instagram beefs up child protection measures

## TECHNOLOGY

PARIS: Social media giant Meta said on Tuesday it was rolling out a slew of measures to boost the safety of young users on its Instagram platform, the latest firm to address the issue.

Campaigners have long criticised tech giants for failing to protect teenagers from harmful content, and the popularity of Instagram with young people has placed it firmly in the firing line.

Meta, which also owns Facebook and WhatsApp, said parents and guardians would be able to set time limits on children's scrolling on Instagram.

And young users would now see nudges encouraging them to look at other subjects if they are spending too much time looking at content about a single topic.

"It is crucial for us to develop tools that respect the privacy and autonomy of young people while involving parents in the experience," said Clotilde Briand of Meta during a media briefing.

Instagram was rocked last year by revelations from whistleblower Frances Haugen that suggested executives were aware the platform could harm the mental health of young users, particularly teenage girls.

## CHANGE OF NAME

I, Smt Vijaya Rathna Kumari, spouse of Ex Naik Maddi Narayana Rao (Army Pensioner-No.1373154K) resident of D.No1-53-19-1, F.C1 Colony, Tadepalligudem-534101, West Godavari District (AP) have changed my name from "VIJAYA RATHNA KUMARI" to "MADDI VIJAYA RATNA KUMARI" Vide affidavit date 13<sup>th</sup> June 2022, executed before Notary Public, Tadepalligudem.

## CHANGE OF NAME

I, MUPPIDI YESANNA (New Name) S/o. Muppidi Bulliveeralah, Residing at 2-20, Brahmanagudem, Chagallu Mandal - 534 301, W.G.Dist., A.P. Solemnly declare that my previous name MUPPIDI VENKATA RAO Changed as MUPPIDI YESANNA (New Name).

## CHANGE OF NAME

I, VENNA SRI HARI RAYUDU (Old Name) R/o. D.No: 33-13-14, F1 1<sup>st</sup> Floor, Siri Towers, Vellanki Vari Street, Seethapuram, Vijayawada (Urban) presently residing at D.No: 4-5-15, Peramma Agraharam, Konaseema Dist.-533201, A.P., hereby declare that My Name is changed to VENNA SRI HARI RAYALU (New Name)

## ICICI Home Finance

Corporate Office: ICICI Home Finance Company Limited ICICI HFC Tower, Andheri - Kuria Road, Andheri (East), Mumbai - 400059, India  
Branch Office: ICICI Home Finance Company Limited, ICICI HFC, Dr. N. V. Ramesh Complex, 13-1, 54, Main Rd, Kakinada, Andhra Pradesh 533001

[See proviso to rule 8(6)]

## Notice for sale of immovable assets

E-Auction Sale Notice for Sale of Immovable Assets under the Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 read with proviso to Rule 8 (6) of the Security Interest (Enforcement) Rules, 2002.

Sr. No.	Name of Borrower (s)/ Co Borrowers/ Guarantors/ Legal Heirs. Loan Account No.	Details of the Secured asset(s) with known encumbrances, if any	Amount Outstanding	Reserve Price Earnest Money Deposit	Date and Time of Property Inspection	Date & Time of Auction
(A)	(B)	(C)	(D)	(E)	(F)	(G)
1.	Dyuman Sri Girinath Puligadda (Borrower) Jaya Laxmi (Co-Borrower) Loan Account No. LHKKN00001250352	Nearest D. No. 3-402/3, S. No. 44/3, DTCP Hyderabad, L. P. No. 155/89, Plot No. 3, Sarpavaram Village and Gram Panchayat, Kakinada Rural Mandal, East Godavari District, Pincode : 533005	Rs. 41,34,494/- (As on 7th June, 2022)	Rs. 38,71,750/- Rs. 3,87,175/-	28th June, 2022 11:00 AM to 03:00PM	30th June, 2022 02:00 PM to 03:00 PM

The online auction will be conducted on website (URL Link-<https://sarfaesi.auctiontiger.net/EPROC/>) of our auction agency Auction Tiger. The Mortgagees/ notice are given a last chance to pay the total dues with further interest till 29th June, 2022 before 5:00 PM else these secured assets will be sold as per above schedule. The Prospective Bidder(s) must submit the Earnest Money Deposit (EMD) RTGS/ Demand Draft (DD) (Refer Column E) at ICICI Home Finance Company Limited, ICICI HFC, Dr. N. V. Ramesh Complex, 13-1, 54, Main Rd, Kakinada, Andhra Pradesh 533001 on or before 29th June, 2022 before 04:00 PM. Kindly note, in case prospective bidder(s) are unable to submit their offer as per above mentioned time then signed copy of tender documents may be submitted at ICICI Home Finance Company Limited, ICICI HFC, Dr. N. V. Ramesh Complex, 13-1, 54, Main Rd, Kakinada, Andhra Pradesh 533001 on or before 29th June, 2022 before 05:00 PM. Earnest Money Deposit Demand Draft (DD) should be from a Nationalized/ Scheduled Bank in favor of "ICICI Home Finance Company Ltd.- Auction" payable at Kakinada.

For any further clarifications with regards to inspection, terms and conditions of the auction or submission of tenders, kindly contact ICICI Home Finance Company Limited on 7021072869. The Authorized Officer reserves the right to reject any or all the bids without furnishing any further reasons.

For detailed terms and conditions of the sale, please visit <https://www.icicihfc.com/>

Date: June 15, 2022 Place: East Godavari Authorised Officer ICICI Home Finance Company Limited

## INDIRA GANDHI MEDICAL COLLEGE & RESEARCH INSTITUTE

(A Government of Puducherry Institution)  
Kathirkamam, Puducherry - 605 009.

## RECRUITMENT NOTIFICATION

No.8312/IGMC&RI/Estt./A1/2022/1778

Dated : 15.06.2022

Online applications are invited from the eligible U.T. of Puducherry Residents for filling various Paramedical & other Technical posts on contract basis at Indira Gandhi Medical College & Research Institute, Puducherry. The details are as follows :

Name of the Post	No. of Vac.	Name of the Post	No. of Vac.	Name of the Post	No. of Vac.
Medical Social Worker	1	Technician	40	Sanitary Inspector	1
Psychiatry Social Worker	1	Refractionist / Optometrist	1	Dental Hygienist	1
Statistician	1	Radiographic Technician including Dark Room Assistant	12	Photographer	1
Physiotherapist	4	OT Technician	24	OR Assistant	10
Occupational Therapist	2	Dialysis Technician	6	Assistant Medical Records Officer	1
Orthotic and Prosthetic Technician	2	Audio Visual Assistant - cum - Storekeeper	3		
Health Educator	3	Health Inspector	1		

- The details regarding application, qualification, salary, other conditions etc., can be viewed in the official website [www.igmcni.edu.in](http://www.igmcni.edu.in) upto 14.07.2022 by 5.00 pm.
- The last date for receipt of bio-data / resume along with requisite certificates by offline is 21.07.2022 by 5.00 pm.

No.106/DIP/AD(Press)/2022-23

DIRECTOR

**L&T Finance Limited**  
Registered Office: 15<sup>th</sup> Floor, PS Srijan Tech Park  
Plot No. 52, Block DN, Sector V, Salt Lake City  
Kolkata 700 091, District 24-Parganas North.  
CIN No.: U65910WB1993FLC060810  
Branch office: Vijayawada



**L&T Financial Services**

## POSSESSION NOTICE

[Rule-8(1)]

Whereas the undersigned being the authorized officer of L&T Finance Limited (erstwhile, L&T Housing Finance Ltd has been Merged with L&T Finance Ltd under the Scheme of Amalgamation by way of merger by absorption approved by the NCLT Mumbai as well as NCLT Kolkata, L&T Housing Finance Limited has merged with L&T Finance Limited (LTF) w.e.f. 12th April, 2021) under the Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002, and in exercise of powers conferred by Section 13(12) of the said Act read with [rule 3] of the Security Interest (Enforcement) Rules, 2002 issued a demand notices calling upon the Borrower/ Co-borrowers and Guarantors to repay the amount mentioned in the demand notice appended below within 60 days from the date of receipt of the said notice together with further interest and other charges from the date of demand notice till payment/realization. The Borrower/ Co-Borrowers/ Guarantors having failed to repay the amount, notice is hereby given to the Borrower/ Co-Borrowers/ Guarantors and public in general that the undersigned has taken possession of the property described herein under in exercise of powers conferred on him/her under Section 13 of the said Act read with rule 8 of the said Rules on this notice.

Loan Account Number	Borrower/s/ Co-borrowers/ & Guarantors Name	Description of the Mortgaged Properties	Demand Notice		Date and Type of Possession Taken
			Date	Outstanding Amount (₹)	
VJWHL18000016	1. Manneppula Pradeep 2. Manjunadha Ads	All The Piece And Parcel Of The Property Address-plot No 4 & 5 Part, Near Door No 42-4-127 Admeasuring 121.33 Sq.yrds Or 101.44sq.mtrs Bearings No. 21/5, Rrwa 363, 1st Lane Ramakrishnapuram, Mutyalampadu, Devi Nagar, Vijayawada Krishna District, Andhra Pradesh, Krishna, India- 520003	30.03.2021	Rs. 2121753.86/- (Rupees Twenty One Lakhs Twenty One Thousand Seven Hundred Fifty Three and Paise Eighty Six Only) as on 04-03-2021	09-06-2022 Symbolic Possession
		Boundaries			
		East	Road		
		West	Property of Ramakrishna		
		North	Other's property		
		South	Property Marthi Subrahmanya Sastry		

The Borrower/ Co-borrowers/ Guarantors in particular and public in general is hereby cautioned not to deal with the property and any dealing in the property would be subject to the charge of L&T Finance Limited for an amount mentioned in the demand notice together with further interest and other charges from the date of demand notice till payment/realization.

Date: 15.06.2022

Place: Vijayawada

Sd/-  
Authorized Officer  
For L&T FINANCE LIMITED