

WHAT'S
NEW?



This comet is older than the Sun

Scientists studying interstellar comet 3I/ATLAS have found it may be 10–12 billion years old, making it older than the Solar System itself. Its unusual chemical composition suggests it formed in a much colder, distant planetary system.

Icy world may have atmosphere

Scientists have found possible signs of a thin atmosphere around 2002 XV93, a small icy world beyond Neptune. If confirmed, it would be the first trans-Neptunian object besides Pluto known to have an atmosphere.



Tiny meteorite holds big surprise

NASA astronomers analysing a Martian meteorite fragment have discovered garnet and an entirely new rock type. The find, made in meteorite NWA 8171, could reveal how ancient Martian crust formed and evolved billions of years ago.

XPLORE Science

A CRYSTAL BRAIN FOR QUANTUM COMPUTERS

EVERYONE would have heard about crystals. I am sure you have used terms such as crystal salt, crystal sugar, diamond crystals and then there is the quartz crystal in the watches you use.

In physics, we call something a crystal when it has an ordered and repetitive arrangement that is periodic in space. In other words, the smaller basic parts can be repeated to obtain the entire structure. What do we mean by saying it repeats in space? Simply put, if we zoom in and look at these crystals, we see the same structure repeating again and again.

To understand this better, let us take analogy of Lego blocks. Just as a large Lego structure is built from individual bricks, a crystal is built from repeating, identical units. These units can be individual atoms or groups of atoms called molecules. When many such units are connected in periodic patterns in one or more dimensions, they form what is called a crystal lattice.

One important feature of crystals is that their repeating arrangement gives rise to many of their physical properties. The way light passes through a crystal, the way electricity moves through it and even its strength can depend on how its atoms are arranged. This ordered structure is what distinguishes crystals from materials such as glass, where atoms are arranged randomly.

So far, so good. These are structures repeating in space. However, in physics, we have to give an “impartial” treatment to another quantity called time. Both space and time are of pivotal importance in physics, whether el-



ementary or advanced.

Now we ask a wild question: can there be a crystal that repeats in time? It sounds strange at first. In fact, when liquid crystals were first discovered, they also sounded strange and even oxymoronic. Liquids, as we know, do not have a regular arrangement of atoms or mole-

cules. Then how can there be a crystal that behaves like a liquid? The answer is simple. Liquid crystals flow like liquids but maintain their molecular alignment.

In a similar way, why can't crystals repeat in time? Yes, we can indeed have crystals that form a repeating pattern in time rather than in space. These are called “time crystals”. Instead of atoms in the lowest energy state sitting in a fixed pattern like a lattice, the system keeps moving

in a repeating cycle forever.

The idea of time crystals was first proposed in 2012 by physicist Frank Wilczek. At first, the concept generated debate because many scientists wondered whether such a state of matter could exist without violating the laws of physics.

(This piece is written by Dr MS Ramkarthik, a theoretical physicist at VNIT Nagpur whose work has focused on quantum computing for over a decade.)

WHEN ORDINARY CRYSTALS BREAK THE RULES

Time crystals represent a new state of matter in which particles repeat their motion in time, much like ordinary crystals repeat their structure in space

A BUILDING BLOCK FOR FUTURE TECHNOLOGY

Scientists believe they could improve quantum computers, precision timekeeping devices, magnetic-field detectors and other advanced quantum technologies

BEFORE THE HONOURABLE DEBTS RECOVERY TRIBUNAL AT VISAKHAPATNAM

Ground & First Floors, Sri Narayana Bhawan, 31-31-21, Sai Baba Street, Dabagardens, Visakhapatnam-530020

O.A. No. 432 / 2026

Between: State Bank of India, RACPC-1, Rep. by its Chief Manager

D.No.40-1-52D, 1st Floor, K K Towers, M G Road, Near Benz Circle, Vijayawada-520 010, NTR District, Andhra Pradesh. ...Applicant

And: 1) Mr. Kandaswamy Subrahmanyam @ Kanda Subrahmanyam

2) Ms. Kanda Lakshmi, W/o K. Subrahmanyam ...Defendants

SUMMONS BY WAY OF PAPER PUBLICATION FOR SHOWING CAUSE AS TO WHY RELIEFS PRAYED FOR SHOULD NOT BE GRANTED

DEFENDANT : Mr. Kandaswamy Subrahmanyam, S/o K. Swamy @ Kanda Subrahmanyam, S/o Kanda Swamy, Hindu, aged about 63 years, UD/LD-374, New B Colony, Kondapalli, Krishna District – 521228, Andhra Pradesh.

DEFENDANT No.2: Ms. Kanda Lakshmi, W/o K. Subrahmanyam, Hindu, aged about 50 years, UD/LD-374, New B Colony, Kondapalli, Krishna District – 521228, Andhra Pradesh

Take notice that the Applicant has instituted the above O.A. 432/2026 on the file of Debts Recovery Tribunal, Visakhapatnam for recovery of an amount of Rs. 71,77,888/- (Rupees Seventy one lakhs Seventy Seven thousand eight hundred and sixty eight only) together with current and future interest, costs and other reliefs. The above mentioned defendants are therefore hereby directed to appear before this Tribunal in person or through an Advocate or duly authorized agent, in support of their defense to show cause on or before 07-07-2026 at 10-30 A.M. as to why the reliefs prayed for should not be granted.

Take notice that in case of default, the application will be heard and determined in your absence.

Given under my hand and seal of this Tribunal on this the 11th day of June 2026, at Visakhapatnam.

Signature of the officer Authorized to issue Summons

BEFORE THE HONOURABLE DEBTS RECOVERY TRIBUNAL AT VISAKHAPATNAM

Ground & First Floors, Sri Narayana Bhawan, 31-31-21, Sai Baba Street, Dabagardens, Visakhapatnam-530020

O.A. No. 430 / 2026

Between: State Bank of India, RACPC-1, Rep. by its Chief Manager

D.No.40-1-52D, 1st Floor, K K Towers, M G Road, Near Benz Circle, Vijayawada-520 010, NTR District, Andhra Pradesh. ...Applicant

And: Mr. Kothuru Sudheer Babu ...Defendants

SUMMONS BY WAY OF PAPER PUBLICATION FOR SHOWING CAUSE AS TO WHY RELIEFS PRAYED FOR SHOULD NOT BE GRANTED

SOLE DEFENDANT : Mr. Kothuru Sudheer Babu, S/o K. Nagarjuna, Hindu, aged about 40 years, D No.3-106, Cement Road, 1st lane Narayana Hostel Gudavalli - 521104, Gannavaram, Vijayawada, NTR District, Andhra Pradesh.

Take notice that the Applicant has instituted the above O.A. 454/2026 on the file of Debts Recovery Tribunal, Visakhapatnam for recovery of an amount of Rs. 68,33,127/- (Rupees Sixty eight lakhs thirty three thousand one hundred and twenty seven only) together with current and future interest, costs and other reliefs. The above mentioned defendants are therefore hereby directed to appear before this Tribunal in person or through an Advocate or duly authorized agent, in support of their defense to show cause on or before 07-07-2026 at 10-30 A.M. as to why the reliefs prayed for should not be granted.

Take notice that in case of default, the application will be heard and determined in your absence.

Given under my hand and seal of this Tribunal on this the 11th day of June 2026, at Visakhapatnam.

Signature of the officer Authorized to issue Summons

BANK OF BARODA

BAPATLA Branch, 12-4-11, Chadala Street, (Anajaneva temple street), BAPATLA-522101 Telephone: 08643-220409, Mail: BAPATL@bankofbaroda.bank.in

SALE NOTICE FOR SALE OF IMMOVABLE PROPERTIES

E-Auction Sale Notice for sale of Immovable Assets under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 read with provision to Rule 8 (6) & 9 (1) of the Security Interest (Enforcement) Rules, 2002.

Notice is hereby given to the public in general and in particular to the Borrower (s), Mortgagor (s) and Guarantor (s) that the below described immovable properties mortgaged/charged to the Secured Creditor, Possession of which has been taken by the Authorised Officer of Bank of Baroda, Secured Creditor, will be sold on “As is where is”, “As is what is”, “Whatever there is” and “Without Recourse” basis for recovery of dues in below mentioned accounts. The details of Borrower/s/Mortgagor/Guarantor/Secured Asset/s/Dues/Reserve Price/e-Auction date & Time, EMD and Bid Increase Amount are mentioned below :

Name and Address of the Borrower(s)/Guarantor(s)/Mortgagor(s)	Description of the Immovable Property	Total Dues	Date & Time of E-auction	1.Reserve Price 2. EMD 3. Bid Increment	Status of the Possession Physical/Constructive	Property inspection Date & Time
Borrowers: Mr. Chennu Venkata Rao, S/o. Mr.Chennu Sambasiva Rao, R/o. 24-49, Gokarnamata, Nizampatnam, Bapatla District, Andhra Pradesh-522314, Guarantor: Mr. Chennu Sambasiva Rao, S/o. Mr.Chennu Venkataratnam, R/o. 24-49, Gokarnamata, Nizampatnam, Bapatla District, Andhra Pradesh-522314	Item No.1: All the piece or parcel of property consisting of RCC building Door No: 24-29, S.No:340/3E, Manthenavaripalem sub district, Gokarnamata Village, Nizampatnam Gram Panchayat & Mandal, Guntur District (presently Bapatla district) in an extent of Ac.0.06 cents and 76 links or 249.07 sq yards is being bounded by: East: remaining site of Pulugu Gowramma, West: remaining site of Pulugu Gowramma, North: remaining site of Pulugu Gowramma, South: Road.	Rs.26,44,376.64 (Rupees Twenty Six lakhs Forty Four Thousand Three Hundred Seventy Six and paise Sixty Four only) as on Dt: 17-08-2025 plus un-applied interest from Dt: 18-08-2025 and other charges if any, till realization	28-07-2026 Time of E-auction- Start Time From 2.00 PM to End Time 6.00 PM	1.Rs.26,71,200/- 2.Rs.2,67,200/- 3.Rs.20,000/-	(Symbolic)	20-07-2026 to 27-07-2026 Time :11:00 am to 4:00 pm (With prior appointment only)

Item No.2: All the piece or parcel of property consisting of RCC building Door No: 24-29, S.No:340/3E, Manthenavaripalem sub district, Gokarnamata Village, Nizampatnam Gram Panchayat & Mandal, Guntur District (presently Bapatla district) in an extent of 2,395 links or 115.9 Sq. yards is being bounded by: East: Chennu Ramana Rao's Land, West: Site of Pulugu Sambasiva Rao's to some extent and remaining land of Pulugu Gowramma to some extent, North: Pulugu Sambasiva Rao's land, South: Property of Item No.1 of the schedule property.

Together with all buildings, structures and amenities built thereon both present and future (More particularly described under document 1) No.26/1994 dated 24-01-1994 Document 2) No.296/1994 dated 05-05-1994.

For detailed terms and conditions of sale, please refer/visit to the website link <https://www.bankofbaroda.in/e-auction> and online auction portal Baanknet.com. Also, prospective bidders may contact the Authorised officer on Mobile: 7603874735, 9505548150.

Date : 22-06-2026, Place : Bapatla Sd/- Chief Manager & Authorised Officer, BANK OF BARODA.

BANK OF BARODA

BAPATLA Branch, 12-4-11, Chadala Street, (Anajaneva temple street), BAPATLA-522101 Telephone: 08643-220409, Mail: BAPATL@bankofbaroda.bank.in

SALE NOTICE FOR SALE OF IMMOVABLE PROPERTIES

E-Auction Sale Notice for sale of Immovable Assets under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 read with provision to Rule 8 (6) & 9 (1) of the Security Interest (Enforcement) Rules, 2002.

Notice is hereby given to the public in general and in particular to the Borrower (s), Mortgagor (s) and Guarantor (s) that the below described immovable properties mortgaged/charged to the Secured Creditor, Possession of which has been taken by the Authorised Officer of Bank of Baroda, Secured Creditor, will be sold on “As is where is”, “As is what is”, “Whatever there is” and “Without Recourse” basis for recovery of dues in below mentioned accounts. The details of Borrower/s/Mortgagor/Guarantor/Secured Asset/s/Dues/Reserve Price/e-Auction date & Time, EMD and Bid Increase Amount are mentioned below :

Name and Address of the Borrower(s)/Guarantor(s)/Mortgagor(s)	Description of the Immovable Property	Total Dues	Date & Time of E-auction	1.Reserve Price 2. EMD 3. Bid Increment	Status of the Possession Physical/Constructive	Property inspection Date & Time
1. M/s.Golakaram Srinivasa Rao, Rep. by its proprietor: Mr.Golakaram Srinivasa Rao S/o.Mr.Reddayya Rao D.No:23-100, Gokarnamata Village, Nizampatnam Mandal, Bapatla District, Andhra Pradesh - 522314.	Property No.1: All the part or parcel of the property of Guntur District (presently Bapatla District), Manthenavaripalem Sub District, Nizampatnam Mandal, Nizampatnam Gram Panchayat, Nizampatnam Village, D.No:402/2, near D.No:23/100, an extent of 266 ¼ Sq. yds of site and thatched house bounded by: East: Compound wall of Golakaram Reddiah, West: Panchayati Road, North: Done Kalasa Mahanushi Reddy site South: Joint Compound wall of Golakaram Venkateswara Rao Rao, S/o. Mr.Reddayya, D.No:23-100, Gokarnamata Village, Nizampatnam Mandal, Bapatla District, Andhra Pradesh - 522314.	Rs.79,29,267.39/- (Rupees Seventy Nine Lakhs Twenty Nine Thousand Two Hundred Sixty Seven and paise Thirty Nine only) as on 31.05.2025 plus unapplied interest and other charges if any, till realization	28-07-2026 Time of E-auction- Start Time From 2.00 PM to End Time 6.00 PM	For Properties No.1&2 1.Rs.37,62,900/- 2.Rs.3,76,290/- 3.Rs.20,000/-	(Physical)	20-07-2026 to 27-07-2026 Time :11:00 am to 4:00 pm (With prior appointment only)

Property No.2: All the part or parcel of the property of Guntur District (presently Bapatla District), Manthenavaripalem Sub District, Nizampatnam Mandal, Nizampatnam Gram Panchayat, Nizampatnam Village, D.No:402/2, 402/4 near D.No: 23/100, an extent of 0.04 cents is being bounded by: East: Akkala Dasaradharami Reddy and others site, South: Palakollu Koteswara Rao, West: Golakaram Srinivasa Rao and others site, North: Done Mahanushi Reddy's site. Together with all buildings, structures and amenities to be built thereon both present and future. (More particularly described under Document 1) No.2420/2006 dated 23.11.2006 and 2). Document No. 108/1982 dated 05.02.1982.

Property No.3: All the part or parcel of the property of Guntur District (presently Bapatla District), Manthenavaripalem Sub District, Nizampatnam Mandal, Nizampatnam Gram Panchayat, Nizampatnam Village, Survey No.288/12, of total extent of Ac.1.89 Cents out of which an extent of Ac.0.93 % on land (Ac.0.95 %). Cents of vacant site is being bounded by: East: Golakaram Suseela Land, South: Tenali Road, West: Golakaram Venkateswara Rao share of land i.e., Item No.1 of the Partition deed, North: Chodavara Seetharamanjeyulu land to some extent and Golakaram Prameela land to some extent. Within these boundaries an extent of Ac.0.93 % cents of land of Vacant Site.

For detailed terms and conditions of sale, please refer/visit to the website link <https://www.bankofbaroda.in/e-auction> and online auction portal Baanknet.com. Also, prospective bidders may contact the Authorised officer on Mobile: 7603874735, 9505548150.

Date : 22-06-2026, Place : Bapatla Sd/- Chief Manager & Authorised Officer, BANK OF BARODA.

DISTRICT SUPPLY OFFICER, KOTPUTLI-BEHORR
NAGAR PARISAD, KOTPUTLI
E-mail id: dsfood-beh.ktp.rj@gov.in Tel No. -----
File no. 4473 **NOTICE INVITING E-BID/12026-27** Date: 10/06/2026
e-Bids for selection of Handling and Transportation of Food grains Under PDS from FCI Depot in distt. Kotputli-behorr are invited from interested bidders upto to 30-06-2026 other particulars of the bid may be visited on the procurement portal.
<http://eproc.rajasthan.gov.in> or <http://sppp.rajasthan.gov.in> or www.food.rajasthan.gov.in of the state, The approximate value of the procurement is 2,75,00,000/- for one year.
UBN NO. : FCC2627SL0800062 Sd/-
NIB NO. : FCC2627AO0057 District Supply officer
DIPR/C/10682/2026 Kotputli-behorr

OFFICE OF THE EXECUTIVE ENGINEER PWD DIVISION NAWALGARH
No:- 393 Date:- 11.06.2026
Notice Inviting Bid No. 10/2026-27
Bids for 02 (Two Nos) Road Work are invited from interested bidders upto 6:00 PM dated 18.06.2026 to 05.07.2026. Other particulars of the bid may be visited on the procurement portal (<http://eproc.rajasthan.gov.in>, <http://sppp.raj.nic.in>) of the state; and PWD departmental website. The approximate value of the procurement is Rs. 337.89 Lacs.
NIB No. PWD 2627A1092
1. UBN No. 1. PWD2627WS0804719 Sd/-
2. PWD2627WS0804720 Executive Engineer
DIPR/C/10552/2026 PWD Division NAWALGARH

यूनियन बैंक Union Bank
जवाहरपेट ब्रांच (02721)
4-185-487, Vijayavihar, Jawarpet,
Machilipatnam, Krishna Dt., A.P.-521001.
Cell: 7013837191, email: ubin0802727@unionbankofindia.bank.in

E-AUCTION SALE NOTICE

E-Auction Sale Notice for Sale of Immovable Assets under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 read with provision to Rule 8 & 9 of the Security Interest (Enforcement) Rules, 2002.

Notice is hereby given to the public in general and in particular to the Borrower(s) and Guarantor(s) that the below described immovable property mortgaged/charged to Union Bank of India, Jawarpet Branch (02721), the Symbolic possession of which has been taken by the Authorized Officer of Union Bank of India will be sold on “As is Where is”, “As is what is”, and “Whatever there is” basis on 28.07.2026 for recovery of outstanding dues and other expenses due to the Union Bank of India from the following borrowers and guarantors. Last Date for submission of EMD: on or before the commencement of e-Auction.

E-AUCTION DATE & TIME : 28.07.2026, 12.00 Noon TO 05.00 PM (with 10 min unlimited auto extensions)

Name and Address of Borrowers & Guarantor: Borrowers: 1. Mr. Shaik Mohammed Sajid Ali, S/o Shaik Mohammed Rahamtulla Khaja, D.No. 29/456-3, Inugudunurpet, Machilipatnam, Krishna Dist., AP - 521 001. 2. Mr. Shaik Mohammed Sajid Ali, S/o Shaik Mohammed Rahamtulla Khaja, RS No. 251, D.No. 4/843-12-1C, Rajupeta, Machilipatnam, Krishna Dist., AP-521001. 3. Mrs. Shaik Hasena Begum, W/o Shaik Mohammed Rahamtulla Khaja, D.No. 29/456-3, Inugudunurpet, Machilipatnam, Krishna Dist., AP-521001. 4. Mrs. Shaik Hasena Begum, W/o Shaik Mohammed Rahamtulla Khaja, RS No. 251, D.No. 4/843-12-1C, Rajupeta, Machilipatnam, Krishna Dist., AP-521001

Amount Outstanding: Rs. 22,16,463.31 (Rupees Twenty Two Lakhs Sixteen Thousand Four Hundred Sixty Three and Thirty One Paise Only) as on 31.03.2026 along with accrued interest, expenses/ charges till date.

DESCRIPTION OF IMMOVABLE PROPERTY
Residential site with RCC Roofed building in an extent of 108 Sq. Yds or 90.30 Sq. Mts in R S No. 251, Survey Ward No. 2, bearing D No. 4/843-12-1C in Municipal Ward No. 4 within Municipal limits Baramahal East situated at Rajupeta, Machilipatnam, Krishna Dt., A.P., belonging to Mr. Shaik Mohammed Sajid Ali.

Boundaries of the Property: East: Site of Katragadda Naga Malleswara Rao & Others - 25.0 ft. South: Site of Md. Khaja Sharif - 39.0 ft. West: Municipal Road - 25.0 ft. North: Site and compound of Jaahedunnisa - 38.9 ft.

Reserve Price(Rs): Rs.26,86,000/-, EMD(Rs):Rs.2,69,000/-, Bid Increment: Rs. 50,000/-

For detailed terms and conditions of the sale, please refer to the link provided in <https://www.unionbankofindia.bank.in/auction-property/viewauction-property.aspx> or <https://baanknet.com>

Date: 10.06.2026 Authorized Officer,
Place: Machilipatnam Union Bank of India

DBS AUCTION NOTICE

It is informed that the below mentioned Jewel Loan customers of our Bank failed to settle their loan accounts even after our repeated reminders and Registered Post with Acknowledgement Due to their registered address have been already sent to them.

If the full loan amount is not settled on or before the auction date mentioned below, the pledged items will be auctioned at 11:00 AM on the specified date, or any subsequent convenient date, without further notice and as full satisfaction of the bank by public auction sale at the bank premises or at the E-Auction Platform. <https://egodid.auctiontiger.net>.

Auction Date : 28-07-2026

Ref. No.	Customer Name	Branch Name	Gross weight	Net weight
----------	---------------	-------------	--------------	------------

40831649	KANCHETI PADMAKUMARI	LAKSHMIPURAM, GUNTUR	211.30	208.00
----------	----------------------	----------------------	--------	--------

40831621	KANCHETI SUKUMARI	LAKSHMIPURAM, GUNTUR	117.60	117.60
----------	-------------------	----------------------	--------	--------

40831676	KANCHETI SUKUMARI	LAKSHMIPURAM, GUNTUR	104.00	85.50
----------	-------------------	----------------------	--------	-------

40831667	KANCHETI SUKUMARI	LAKSHMIPURAM, GUNTUR	320.00	302.00
----------	-------------------	----------------------	--------	--------

40930040	SHAIK FATIMUNNISA	LAM	38.60	26.80
----------	-------------------	-----	-------	-------

38239883	MUKKANTI NARASAMMA	BRAHMADEVAM	20.60	18.90
----------	--------------------	-------------	-------	-------

38236935	VAKKALAKULA RAMESH	BRAHMADEVAM	27.40	27.10
----------	--------------------	-------------	-------	-------

22438164	ANAPARTHI MARIYADAS	DODDAVARAM	24.80	23.90
----------	---------------------	------------	-------	-------

50238146	INDIRAMMA DEVIREDDY	NELLORE	81.00	68.00
----------	---------------------	---------	-------	-------

50238100	YAGGESH SINGH	NELLORE	5.40	4.10
----------	---------------	---------	------	------

40433558	GEDELA SURESH	KAPAVARAM	21.03	20.81
----------	---------------	-----------	-------	-------

32733661	ALAPATI KASI VISWANATH	KOVVUR	207.30	194.30
----------	------------------------	--------	--------	--------

32732942	LAKSHMANA RAO NAGARAM	KOVVUR	4.30	4.30
----------	-----------------------	--------	------	------

60536044	BUGATHA DURGA SAI BABU	RAJAMUNDRI	109.50	98.20
----------	------------------------	------------	--------	-------

60536035	KONDRU PRATAP KUMAR	RAJAMUNDRI	16.15	15.70
----------	---------------------	------------	-------	-------

14831119	CHITTELU SURYA NARAYANA	BHAVANIPURAM, VIJAYAWADA	140.70	129.60
----------	-------------------------	--------------------------	--------	--------

48235155	PAGADALA SRINIVAS	NANDIGAMA	10.20	10.00
----------	-------------------	-----------	-------	-------

48235386	YENUMULA NARESH	NANDIGAMA	16.10	13.50
----------	-----------------	-----------	-------	-------

56934238	NAGASIROMANI KANTAMANENI	PEDAPULIPAKA	253.70	243.30
----------	--------------------------	--------------	--------	--------

69639400	PENUPOTHU KREESTHU RAJU	SULTANNAGARAM GOLLAPALEM	200.50	17
----------	-------------------------	--------------------------	--------	----