

NEWS ON THE RUN

- **President Droupadi Murmu stops convoy, hands out chocolates to children in Chhattisgarh's Bilaspur district**
- **Uzbek national held with over 3 lakh US dollars concealed in bedsheets at IGI airport in New Delhi**
- **Police files charge sheet against 8 active terrorists operating from PoK**
- **Heroin worth ₹638 crore seized in Mizoram's Champhai, two arrested**
- **ISRO's Chandrayaan missions will be made part of Uttarakhand's school curriculum: Minister**



READY TO TAKE OFF



Sriharikota
ISRO's PSLV-C57 carrying Aditya-L1 spacecraft sits at the launch pad at Satish Dhawan Space Centre in Sriharikota on Friday. The launch is scheduled at 11:50 IST on Saturday. The Aditya-L1 is designed for providing remote observations of the solar corona and conduct in-situ observations of the solar wind at L1 (Sun-Earth Lagrangian point), which is about 1.5 million kilometres from the Earth.

PTI

Moon conquered, ISRO all set for Sun mission

Aditya L1 to be launched today, countdown starts

SRIHARIKOTA
Days after landing on the Moon, India will aim for the Sun on Saturday with its maiden solar expedition, as ISRO's trusted PSLV will carry the Aditya L1 mission on a 125-day voyage to the Sun.
The 23-10 hour countdown for the launch of Aditya L1 onboard PSLV C57 commenced here on Friday, ISRO said. The Sun observatory mission will be fired from the second launch pad at this spaceport at 11.50 am on Saturday, and comes close on the heels of India's successful moon expedition last month, Chandrayaan-3. ISRO Chairman S Somanath said the Sun mission will take 125 days to reach the exact radius.
Aditya L1 is designed for providing remote observations of the solar corona and conduct in-situ observations of the solar wind at L1 (Sun-Earth Lagrangian point), which is about 1.5 million kilometres from the Earth.
According to ISRO, there are five Lagrangian points between the Sun and the Earth, and the L1 point in the Halo orbit would provide a greater advantage of continuously viewing the Sun without any occurrence of eclipse. "This will provide a greater advantage of observing the solar activities continuously," ISRO said.



ISRO's PSLV-C57 carrying Aditya-L1 spacecraft sits at the launch pad at Satish Dhawan Space Centre, in Sriharikota.

■ On embarking on such a complex mission, the Bengaluru headquartered space agency said the Sun is the nearest star and therefore can be studied in much more detail as compared to the others.
■ By studying the Sun much more about could be learnt about stars in Milky Way as well as in various other galaxies, ISRO said.
■ The Sun shows several eruptive phenomena and releases immense amounts of energy in the solar system. If such explosive solar phenomena are directed towards the earth, it could cause various types of disturbances in the near-earth space

Solar mission: VELC, L1 point & halo orbit key challenges for Aditya, say scientists

2 IIA Profs give insights into ambitious mission

ANUBHA JAIN BENGALURU

On the eve of India's maiden solar mission, Lokmat Times spoke to two senior scientists of Indian Institute of Astrophysics (IIA) on Friday about the need to study the Sun and the major challenges to accomplish the complex mission.

"Aditya L1 will be ISRO's first India space mission to observe the Sun and the solar corona. Along with the six other payloads, the largest and technically most challenging seventh payload on Aditya L1, is the Visible Emission Line Coronagraph (VELC). It is designed and fabricated by IIA with substantial support from ISRO," said one of the senior scientists of IIA, Professor Jagdev Singh, in Bengaluru on Friday.
When asked about the major challenges the mission may face, the head of the Outreach Section and senior scientist at



Dr Niruj Mohan Ramanujam



The Indian Institute of Astrophysics (IIA) scientists with Visible Emission Line Coronagraph (VELC), the major payload of Aditya L1, in Bengaluru. Professor Jagdev Singh (3rd left) is also seen.

By end of Feb, 2024 regular data expected

When Lokmat Times wanted to know about the total duration to reach the L1 orbit, and also when the first image is expected, Prof. Jagdev Singh said, "By the end of February, 2024, regular data are expected to be received. The other six payloads will be open and start functioning first and accordingly, the VELC, the last yet important payload, will open and then start working. Prof. Jagdev also informed that it would take over 400 days to reach the L1 orbit, adding the data received will be analysed by the Indian community and after six months will be open to other scientists and people across the world for their study.

IIA, Dr. Niruj Mohan Ramanujam, told Lokmat Times that reaching L1 and inserting the satellite into the halo orbit were the biggest challenges. "All seven payloads have different requirements and different challenges. So, managing the payloads together and individually is a challenging task. Avoiding molecular contamination, degas-

ing among payloads, temperature adjustments, assembling VELC, and alignments were other complex hurdles, he added.
When Lokmat Times wanted to know how this solar mission would be different from other similar projects, Prof. Jagdev Singh said, "Earlier in 1965, USA launched a satellite in L1 but the data gathered was of a different

LOKMAT TIMES Special

VELC data vital for other theories

"The data that will be given by the VELC to IIA and eventually to ISRO will be the key observation, through which other significant theories will be formed. The spacecraft is planned to be placed so close to the Sun in a halo orbit around the Lagrangian point 1 (L1) of the Sun-Earth system, which is about 1.5 million km from the Earth. This has the advantage of observing the Sun all the time without any blockage," Professor Jagdev Singh said adding through VELC, we will read solar corona plasma in various weather conditions and the temperatures. Dr. Niruj Mohan Ramanujam also informed that VELC is a 90% Made-in-India product with 10% of parts being imported from other vendors with four detectors, a 190 mm circular mirror, and other vital parts.

kind. Here, we will observe the Sun 24 hours. Aditya L1 will be launched at such a gravitational point where the Sun and Earth would be neutral. Photos will be produced every minute and a maximum of 1,400 photos will be received in a day."

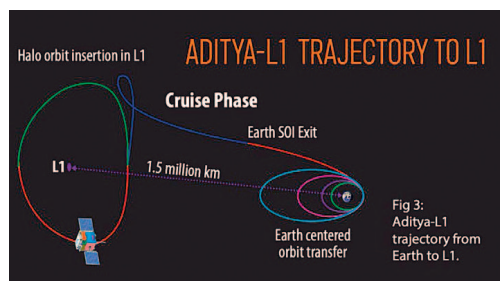


Fig 3: Aditya-L1 trajectory from Earth to L1.

More powerful 'XL' variant of PLSV used

- ISRO scientists have used 'XL', the more powerful variant of the polar satellite launch vehicle (PSLV) that would carry the spacecraft on Saturday along with the seven payloads. Similar PSLV-XL variants were used in the Chandrayaan-1 mission in 2008 and the Mars Orbiter Mission (MOM) in 2013.
- Of the total seven payloads, four onboard the spacecraft would directly view the Sun while the remaining three would undertake in-situ studies of particles and fields at the L1 point.
- Initially, the Aditya-L1 spacecraft would be placed in a low earth orbit. It would be made more elliptical and later the spacecraft will be launched towards the Lagrange point L1 by using on-board propulsion systems.
- As the spacecraft travels towards L1, it will exit the Earth's gravitational sphere of influence. After exit, the cruise phase will start and subsequently, the spacecraft will be injected into a large halo orbit around L1. It would take nearly four months to reach the intended L1 point.

NIA raids in Maha, Guj, K'taka & TN

NEW DELHI

The National Investigation Agency on Friday claimed to have made significant seizures in connection with a conspiracy by the Al-Qaeda in the Indian Subcontinent (AQIS) and the Tehrik-e-Taliban to recruit and radicalise youths in India to spread terror in the country, an official said.
The spokesperson for the federal agency said the seizures were made during the raids conducted across four states - Maharashtra, Gujarat, Karnataka and Tamil Nadu.
The official said a host of incriminating digital devices were recovered during the searches at three locations in Maharashtra and one each in the three other states.

"The NIA is examining the devices to track those involved in the conspiracy and thwart their efforts to destabilise the country through the use of radicalisation plans and campaigns of the two terror outfits," the spokesperson said.
The official said the raids were part of the investigations in a case registered in April against two accused recruited earlier by these banned organisations.

Spl CBI court convicts two WCL employees

LOKMAT TIMES NETWORK NAGPUR

A special CBI court here has, in two separate cases, convicted two employees of Western Coalfields Limited (WCL) deployed by the coal company at its Sillewara sub-area underground mine for amassing assets disproportionate to their known sources of income. Both the employees have been sentenced to various jail terms with fines. Interestingly, the wife of one of the employees has also been found guilty of the same crime and has been sentenced to a jail term. All three are related to each other.
A surprising element in the cases, whose charge sheets were filed by the CBI in 2006 and 2008, is that both the employees were working in the non-officer cadre at the mine. While one was deployed as a chute-man or chute operator, the other was working as a mechanical fitter. Both were technical cadre employees in one of the oldest mines of WCL under its Nagpur Area.

The special CBI cases judge sentenced the chute operator, Ajaz Hussain Siddiqui, to undergo six years rigorous imprisonment with a fine of ₹22.95 lakh and his wife Sajija Begum to four years rigorous imprisonment with a fine of ₹4.5 lakh. The CBI had registered a case on February 1, 2005 against Ajaz Hussain Siddiqui, then Chute-man at AB Incline of Sillewara Sub Area, on the allegations that

- In the second case, the special judge sentenced one Irfad Hussain Siddiqui, then mechanic fitter with the coal company to undergo five years rigorous imprisonment with a fine of ₹13.65 Lakh.
- The CBI had registered a case against Irfad Siddiqui, a mechanic fitter at AB Incline of Sillewara Sub Area, on November 30, 2006 on the allegations that during the period May, 1996 to February 2005, the accused was in possession of huge assets.
- Subsequent investigation revealed that the accused was in possession of assets disproportionate to his known sources of income to the tune of ₹10,77,367.
- After investigations a charge sheet was filed before the special judge, Nagpur on January 30, 2008 against the accused.
- The Trial Court found the said accused guilty and convicted him, informs a press release from the CBI.

the accused had possessed huge assets, both movable and immovable either in his name or in the name of his family members. Investigations revealed that Siddiqui was in possession of assets to the tune of ₹11,71,324 in his name and in the name of his wife Sajija Begum, disproportionate to their known sources of income.

Bihar varsities told to follow instructions of Raj Bhavan only

VIBHASH JHA/SP SINHA PATNA

Bihar governor Rajendra Vishwanath Arjekar has rejected the ongoing dispute between the state government and the Raj Bhavan regarding the functioning of the state's universities.
A few days ago, the education department advertised for the appointment of vice chancellors through a letter to the universities. However, the Raj Bhavan issued a letter to all the universities instructing them to follow the instructions of the Raj Bhavan, not of any other department or authority.
The governor's principal secretary Robert L Chongthua sent a letter to vice chancellors giving clear instructions that they should not follow the instructions of any department or any officer except Raj Bhavan.

The letter stated that the universities come under Raj Bhavan, hence the interference of other departments or officers should not be accepted. It also mentions the instructions issued in 2009. Notably, the conflict between Bihar government and the Raj Bhavan began due to the frequent orders issued to the universities by the additional chief secretary of the education department, KK Pathak.

CHHATISGARH INVESTMENTS LIMITED

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NOTICE

Notice is hereby given that the 4th Annual General Meeting (AGM) of the members of Chhattisgarh Investments Limited, will be held on Friday, 29th September, 2023, at 3.00 p.m. at 73-A, Central Avenue, Nagpur (M.H.) 440018, to transact the business as set out in the Notice of 4th AGM dated 12th August, 2023.

The Company has completed dispatch of Annual Report for the financial year (F.Y.) 2022-23 and also the notice of AGM along with Attendance Slip and Proxy Form by email to those members whose email addresses are registered with Company Depositories and physically to all other members at their addresses registered with the Company as on date through permitted mode.

The Notice of the AGM and the Annual Report of the Company for FY 2022-23 will also be available on the website of the Company at www.cginvest.co.in and may also be accessed from the relevant section of the website of the Stock Exchange i.e. the Calcutta Stock Exchange Limited (CSE) at www.cse-india.net. The AGM Notice will also be available on the website of M/s. Bigshare Services Pvt. Ltd. at www.bigshareonline.com.

Remote e-Voting:
Pursuant to provisions of Section 108 of the Companies Act, 2013 and Rule 20 of the Companies (Management and Administration) Rules, 2014, as amended from time to time and Regulation 44 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015, the Company is pleased to provide members facility to exercise their right to vote on the resolutions proposed to be considered at the 4th AGM by electronic means ("remote e-voting") and the business may be transacted through e-voting systems. The facility of casting the votes by the members using an electronic voting system from a place other than venue of the AGM ("remote e-voting") will be provided by M/s. Bigshare Services Pvt. Ltd. (BSPL).

The detailed instructions for e-voting are given in the Notice of the AGM. Members are requested to note the following:

- a) The remote e-Voting will commence on Tuesday, 26th September, 2023 (9.00 a.m. IST) and will end on Thursday, 28th September, 2023 (5.00 p.m. IST). The e-Voting module shall be disabled by BSPL for voting thereafter and Members will not be allowed to vote electronically beyond the said date and time.
- b) The voting rights of the Members (for voting through remote e-Voting or voting during the proceedings of the AGM) shall be in proportion to their share of the paid-up Equity Share Capital of the Company as on Friday, 22nd September, 2023 ("Cut-Off Date"). A person whose name is recorded in the Register of Members or in the Register of Beneficial Owners maintained by the Depositories as on the Cut-Off Date only shall be entitled to avail the facility of remote e-voting as well as voting during the AGM.
- c) Any person who acquires shares of the Company and becomes a member of the Company after the dispatch of the AGM Notice and holds shares as on the Cut-Off Date, i.e. Friday, 22nd September, 2023 may obtain the login ID and password by sending a request at vote@bigshareonline.com or call at 1800 22 54 22.
- d) Members can also login by using the existing login credentials of the demat account held through Depository Participant registered with National Securities Depository Limited (NSDL) or Central Depository Services Limited (CDSL) for e-voting facility.
- e) Facility of voting through ballot paper shall be made available during the AGM. Members attending the AGM, who have not already cast their vote by remote e-Voting shall be able to exercise their right during the AGM.
- f) Members who have already cast their vote by remote e-Voting prior to the AGM will be eligible to participate at the AGM but shall not be entitled to cast their vote again on such resolution(s) for which the Member has already cast the vote through remote e-Voting prior to the AGM.
- g) In case of any queries/grievances pertaining to remote e-Voting, you may refer to the Frequently Asked Questions and i-Vote e-Voting module available at <https://vote.bigshareonline.com> or download section or you can email to vote@bigshareonline.com or call at 1800 22 54 22 or contact Mr. Prasad Madwiva, Deputy General Manager, Bigshare Services Pvt. Ltd., Office No S6-2, 6th Floor, Pinnacle Business Park, Next to Ahura Centre, Mahatma Caves Road, Anandri (East), Mumbai (M.H.) 400093. Tel: +91-22-62632000. Email: investor@bigshareonline.com or the Company Secretary of the Company at cil_pr@rediffmail.com.

Helpdesk for Individual Shareholders holding securities in electronic mode for any technical issues related to login through Depository i.e. NSDL and CDSL:

- a) Securities with NSDL - Members facing any technical issue in login can contact NSDL helpdesk by sending a request at evoting@nsdl.co.in or call toll free no.: 1800 1020 950 or 1800 224 430.
- b) Securities with CDSL - Members facing any technical issue in login can contact CDSL helpdesk by sending a request at helpdesk.evoting@cdslindia.in or contact 022-23058738 or 022-230584243.

Members are requested to carefully read all the Notes set out in the Notice of the AGM and in particular, instructions for casting vote through remote e-voting.

By the Order of the Board of Directors
Sd/-
(Shalini Bhattacharya)
Company Secretary

Place : Raipur
Date : 1st September, 2023

