



Daily current affairs

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MHA signs MoU with ISRO to set up an Integrated Control Room for Emergency Response

- The Ministry of Home Affairs (MHA) and Indian Space Research Organization (ISRO), Department of Space signed a Memorandum of Understanding (MoU) for setting up of an state-of-the-art Integrated Control Room for Emergency Response (ICR-ER) in Ministry of Home Affairs.
- ISRO will render its technical expertise for setting up of proposed ICR-ER whereas the project will be executed under overall supervision of MHA

Integrated Control Room for Emergency Response

- The ICR-ER will cater to the requirement of Disaster Management as well as Internal Security.
 - ICR-ER will address the requirement of receipt of information on near real-time basis, strategic level monitoring, situation awareness, command and control, preparedness and response in the diverse internal security situation and disaster related emergencies.
 - It will increase the operational effectiveness and will be helpful in rendering timely response / assistance during various emergency situations.
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Union Home Ministry launches two portals to strengthen Women Safety

Union Home Ministry launched two separate portals to strengthen Women Safety. The portal "cybercrime.gov.in" will receive complaints from citizens on objectionable online content related to child pornography, child sexual abuse material, sexually explicit material such as rape and gang rape.

Cyber Crime Prevention against Women and Children (CCPWC) portal to check objectionable online content;

- The Cyber Crime Prevention Against Women and Children (CCPWC) portal is convenient and user friendly that will enable complainants in reporting cases without disclosing their identity.
- This will not only aid the victims/complainants but also help the civil society organizations and responsible citizens to anonymously report complaints pertaining to child pornography, child sexual abuse material or sexually explicit material such as rape and gang rape.

- Complainants can also upload the objectionable content and URL to assist in the investigation by the State Police.
- The complaints registered through this portal will be handled by police authorities of respective State/UTs.
- There are other features such as a victim or complainant can track his/her report by opting for “report and track” option using his/her mobile number.

National Database on Sexual Offenders (NDSO) to aid in monitoring & investigation of sexual crimes

- The second portal relates to the National Database on Sexual Offenders (NDSO).
 - It is a central database of “sexual offenders” in the country which will be maintained by the NCRB for regular monitoring and tracking by the State Police.
 - The database is accessible only to the law enforcement agencies for investigation and monitoring purpose.
 - The database will include offenders convicted under charges of rape, gang rape, POCSO and eve teasing. At present the database contains 4.4 lakh entries.
 - The State Police have been requested to regularly update the database from 2005 onwards. The database includes name, address, photograph and fingerprint details for each entry. However, the database will not compromise any individual’s privacy.
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Cabin pressurization

Cabin pressurization is a process in which conditioned air is pumped into the cabin of an aircraft or spacecraft, in order to create a safe and comfortable environment for passengers and crew flying at high altitudes.

Pressurization becomes increasingly necessary at altitudes above 10,000 feet (3,000 m) above sea level to protect crew and passengers from the risk of a number of physiological problems caused by the low outside air pressure above that altitude and result in

Hypoxia

The lower partial pressure of oxygen at altitude reduces the alveolar oxygen tension in the lungs and subsequently in the brain, leading to sluggish thinking, dimmed vision, loss of consciousness, and ultimately death.

Altitude sickness

Hyperventilation, the body's most common response to hypoxia, does help to partially restore the partial pressure of oxygen in the blood, but it also causes carbon dioxide (CO₂) to out-gas, raising the blood pH and inducing alkalosis.

Decompression sickness

The low partial pressure of gases, principally nitrogen (N₂) but including all other gases, may cause dissolved gases in the bloodstream to precipitate out, resulting in gas embolism, or bubbles in the bloodstream.

Barotrauma

As the aircraft climbs or descends, passengers may experience discomfort or acute pain as gases trapped within their bodies expand or contract.



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