



IMPORTANT NEWS ARTICLES & EDITORIAL FOR UPSC FRIDAY, 10TH MAY 2024

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GS-II : Candid notes on the NHRCS status deferral

- Candid notes on the NHRCS status deferra Commasion of TIndia ONIC was formally enormed late last week that the deferral of in stan would continue for a year more. The deferral was put in place by the subcommittre on accreditation (SCA) of the Global Alliance of National Human Rights Institutions (GANHRD for a year, is 20021 While the SCA did not apre with the ples of some leading Iritersurional non-governmental organisations, to put the NHRC In category F, It abo rejected India's request to lift the deferralThe NHRC chairperson, a former Justice of the Supreme Court of India, Justice Arun Mishra, and the government may have been unhappy with the continuing deferral but are sure to be relieved that they have avoided the ignominy of a downgrade.
- The NHRC, directly and, the povertiment, from behind the scenes, had lobbied hard for the deferral to be removed and the cloud over India's 'A' status goes away: Justice Mishra retires in early June and, if the new government to be formed in June after the peneral election 2024 does not reappoint him, he will be the first NHRC chairman to leave the organisation with the sword of Damocles hanging over its head. This would only strengthen the Initial doubts raised about his appointment. The NHRC brochure A peep into Justice Mishra's approach to humanrights is available from a brochure published by the NHRC, Utled "Human Rights 25.
- The document was prot out as part of the celebrations of Azadi ka Amrit Mahotsav, In its introduction the document sought to establish that "India's earliest civilisations laid the fundamental edifice for some basic human rights principles To substantiate this point it referred to ancient texts such as the Wedas and the Upanishads. It rightly asserted that they promoted the exploration of spiritual truths. Thereafter, the LETTERS TO THE EDITORChecking by candidate The act by the BJPcandidate for Hyderabad, Madhavi Latha Kompella, of checking the voter identity cards of some burga-clad Muslim women voters, by asking them to lift their face veils, is provocative (Inside pages, May 14).
- If nominees notice any discrepancy in polling stations, they should Mways check with the presiding officer or even approach the State Election mission, I wonder if Ms. Kompella's actions, result the Prime Minister's the seems to precedent an informal of his party to have set condutting to have Ylrek Kadu retired Indian Foreign Service officeMuch of the criticism of the West forweaponising human rights is valid, but the continuing deferral of the NHRC's status must lead to hard questions in Indiagone to the next level. What kind of signal is Ms. Kompella sending out? And from a party that claims that winning a third term in office is a given! N.
- Nagarajan, ChermalThe other war that rages Not a word is being saidabout Russia's mounting aggression towards Ukraine. As a senior citizen, I am unable to understand why nations that matter in the world order are silent. Instead, the focus seems to be more on the Gaza-Israelwar. Peace-loving citizensacross the world are distressed. What are the present plans of the Unitedhat are the publication went on so state, "The concept of katior and fairness is andent albo central to Indian literature. The Mammrül, while reflecting the social norms of its time, also outlines principles of justice, including punishment proportionate to the crime". For crores of historically disadvantaged are Indians, the Manusmrin is the fountainhead of the evil of discrimination and violence they have suffered. Its mention in a NHRC document, despite the routine caveat attached to the referenice, will be outrageous to them and to those who re pledged to uphold the Indian Constitution.

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- ➤ Was the Manuamriefs mention an oversight or does it reflect the conuidered views of Justice Mishra? Even at this stage a clarification would be useful. He would certainly know that the foundational values of the Indian Constitution are in direct conflict with the basic postulates of CERTInd CoradefoxcrButobsThi The peed in 2015 in.
- In Jaishcharshonthe Manusmritifreed India Drifting away from the Paris Principles? Certainly, the GANHRI's decision has not been in the acclainfluenced by the reference to the Manusmriti but because of the belief that India has not been adhering to the Paris Principles. In early 2017, the SCA had put the NHRC in the deferral category but it was lifted after a review later that year Hence, India retained its 'A' status In a public note on that occasion, the NHRCcriticrightWiestbeenthe bilogiethathad stressed the importance of the 'A' status. Ir stated, "A status accreditation also grants participation in the work and participation of the GANHRI, as well as the work of the Human Rights Council and other UN mechanisms".
- ➤ On the Paris Principles the NHRC noted, "The United Nations' Paris Principles provide the international benchmarks against which the National Human Rights Institutions (NHRIs) can be accredited". The Paris Principles were adopted by the UN in 1993. The NHRC.







GS-II: Rise in publich health spending due to states, not centre

- more than 1% of its GDP on health care, is inching close to 2% under the current regime. An increase in public spending is welcome. But is it correct to attribute it to the Un ion government?DATA POINTFirst, public spending on health in India continues to be abysmal compared to many countries. Se- cond, while public spending on health has indeed increased, much of the rise is due to the States and not the Centre. In fact, the Union Health Ministry has been transferring a lower share of its resources to States in recent years. Moreover, the Centre has also cut the budget for the National Health Mission (NHM) in recent years, while increasing disproportionately the spending on government-funded health insurance schemes (GFHIs). Chart 1 shows the per capita public spending on health in India compared to other countries in 2021.
- Bhutan's spending on health was 2.5 times more than India's while Sri Lanka's was three times more. Many BRICS nations (old list) spent 14-15 times more than India. The increase in public spendingon health in recent years, particularly during the COVID-19 pandem-ic, can be attributed to the States and Union Territories (Chart 2). The States have sustained the in-crease post-COVID-19 as well. Gi-ven the resource constraints they face, this is commendable. In con-trast, the Union government's spending on health as a percentage of GDP, which increased moderately during the pandemic, has decreased post-pandemic.
- Furthermore, a significant part of the increase in healthment as a percentage of GDP dur- ing the pandemic needs to be attributed to the negative and low growth of GDP, while absolute in- crease in expenditure remained modest, in real terms (Chart 3). More concerning is the decline the share of resources trans- ferred to the States by the Union Healthy Ministry. In FY14, three-fourth (75.9%) of the Union spend-ing on health was transferred to the States (Figure 4).
- Within the first three years of the National De-mocratic Alliance government, the share came down to little more than half (53.4%) and declined consistently to reach a new low of 43% in FY24 (Budget Estimates). The trend reflects increased centralisation of financial resources on health, a subject which largelyfalls within the domain of States. Launched in 2005, the NHM was a crucial intervention by the Union government. But expendi-ture on the scheme has mostly remained stagnant or has come down in the last seven years (Chart 5). Between FY14 and FY19, the spending on NHM grew at 7.4% on average, largely due to a sud-den jump in FY18. During the se-cond tenure of the NDA govern-ment, spending on NHM declined in real terms at 5.5% on average.
- The Modi government's empha- sis on Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (PMJAY) is visible in its spending patterns. A look at the expenditure on various GFHIs such as PMJAY shows a stea- dy increase in expenditure. Bet- ween FY15 and FY20, expenditure in real terms nearly doubled, growing at an average of 18% per annum. Even though the Centre draws a lot of mileage from these schemes, a bigger share of the spending is incurred by the States. The COVID-19 pandemic had shown the cracks in India's health system and highlighted the need for increased public investment inhealthcare. While the States have risen up to the challenge, despite financial constraints, the Union go-invest-vernment has done little.

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GS-III: On the importance of regulatory sandbox in artificial intelligence

- On the importance of regulatory sandboxes in artificial intelligence Regulatory sandboves have become a significant instrument in various countries used to evaluate innovations within a defined and monitored time frame while beteg subject to regulatory oversight and controlled constraints Sanhina Chauces T chillierges for soclerview AIPAPER gretarkenance, and more, concerra have energ regarding ethical ras acdeed wad their deployment.
- In replamay bodies tuWhile the scrpoftheliomalmadamey sandbos to often attributed in Che Platanial Conduct Authority in the UK, men other puts have gently awaband or accord spanning sarikut data from the World Bank of November 2020, there were both announced and operidional, with the Bouncial sector a Jura in india, all franca regulars including the nerve Bank of India, Secured god of India, Insurance Repdamry and Development Authority of India, Tendon Furul Regalaury and Development Authority, and Internal Fant Services Centre Authority, luive launchint thest respective regalary sand Equaniding beyond Ananor, Kartsurala ala ha macted the novation Authority Act, 2020, establishing an Stination Authority dedicated to praeting and relating innovathe inches though a mpilatory sunulan model Noah, the reutily paused Telecommunications.
- Act 20023 proposed a repilamry sandbos where theapprices acha pimary sandheres to strike shulance Derween stering Almotion and emringesemahle developmentTo regulate but not restrict bones have becomeand inonimnid time while being miliject to reptilatory owright and ontroecom This serves as a valuable tool for policymakers, furnishing them with empirical evlárnor gatling the enthal risks asociatrtsaidbios provides a corruledenstrument kor expertisestation, ation between ring collaborati Innovators and regulames дене сарыгенсу and aomuntably rerng partida disclose information about their Al modes, addressing comoerne ahour reams Adida putty and emailing tailored regular Furthermore, by mandating risk weesuments and safeguards, the sardbes gong potential societal impact of Alapplications and marturing culture of vision through seven wurking groups.
- The latest prepea peaal of the Digital India Act, 2023 also talks about regulating Al bry exsting a separe set of laws and grounded in a m cted appmach economic amh ans, job creation, Indutrial turmation, and overall societal welfare. As a global schoolingy hath, the chair of the Clobal Partnership in Aruflictal imelligence and the Delft Declarations india sepe Ichovation in alignment with its cultural and ethical values. A comprehensive regulatory sandbox can be enshioned to guide businesses, researchers, and policymakers, staring Al development ustainable growth A regulatory sandhek should not be viewed as an approach directly govern perceding firmal legation.
- It serves as a perparatory measure tailored to India'settscal devriopment within the ladunry Article 5 of the European Union's AI Act, but the provisions of a regulatory sandfos no test technokagy betare making Antistress. Addteomally, Senin became the first Europe ropean country have established the sturule of the Sinh Agency for the fupervision of Anific icial Intelligence (ADSLAL, ahead of the Eiropean regulation in artificial alligence.
- This regulation will mandare member sten in denigune a national supervisory authority posible lor overseeing the impliconention of regulations retted to AL Glubully, there is a compete de towith emerging technologies Maurer, an evidence-based approach empowers policymakers to achopra well-med soner in crafting legal and pelic ower that fomer beneficiulestablas one or more impulatory cental

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Cinement has the authority sundhouns, as prescribed, ea prune and regdate and util beclace innovation and technological flying the earner and durataan for theirling ncles the ue of of fect ds the The EU las crane up with an At Act, the US has released a white paper on the Alt of Rights, and the UK.

- has a national Al Scrategy China trying to regulate sariosa arpects of Alle generative Al whille Singapore following an aration friendly apprachthese sandboves, insights get from Indicate that thin funding by ngang mgulatory costs. Sochs militarted utility postsions regulatory sandhours a catalvet for Flexnovation, Implementation The benefits of regulatory sanilboses in the disasse sunding Al regulatkes, the coxcept of трошку Apperting exemomic growth, and rapidly evolving landscape of semings and boses emerges as a compellingavenue for explocation. When sine considers the becedy of etringent Setalled regulation or fouring adaptable strategies the soft or self regulation, da Introduction of a replay sandbox remains a viable oppon poon. Firstly, wach alndia's approach 10 Al India, NITI Agogined a dicumpaper outlining a national strategy ir Al whidiled to the establiment of the anal Al Portal.
- The Mistry of Electronics and tormation Technology (M), released a report on Innovacion 20223 highlighting tralia's At Awpspecific circumstances, paving the way for Amare regulatory action aligned with the ecxamry's needs and developments in the Al undscape. ly guing a controlled evinment for sesting innovative Al appleadons, a regulatory sandbo enables stakeholders assess Haks. peline regulatory frameworka, and koster collaboranan berwees nepilanes Industry players, and other stakeholdemThis collaborative approach not unty psn repe Al deployment bur abo pouzione india at the forefront of shaping effective and adaptive regulatory framesocks for emerging textunokades.
- Given the distinct Indan contest, it becomes pihrotal to determine whicd appmach to most viable and efficient in striking a fulance between hantering Al Innovatoe and ensuring ethical, transparent, and id acczsantable Alanhit Chaurika Technology Lawyer



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GS-III: China-Myanmar module of NSCM-IM helped banned out in Manipur

- Interna The National Investication Agency (NIA) has said in a Securit charge sheet that the "China Myanmar module of the Isak Mulvah fartion of the National Socialist Council of Nagaland (NSCN IM) supported the cadres of two hanned Mei tei outfias to infiltrate India in order to exploit the cur rent ethnic unrest in Mani pur with a larger goal to destabilise the State and wage a war against the Go vernment of India.
- The charge sheet, filed in a Guwahati court on March against five ac caused persons who were arrested in July last year in Manipur, said they "crimi nally conspired with intent 10 carry out violent terror attacks targeting the rivalKuki-20 community with prohibited arms and am munition which were lootfrom various governThem sourcesThe Union government signed a ceasefire pact in 1997 with the NSCN-IM leadership in India and a fra mework agreement to find a political solution was signed with the group in the presence of Prime Mi nister Narendra Modi in 2015. The group envisages a Greater Nagaland' to in clude all the Naga-dominated areas in Nagaland, Assam, Manipur and Aru nachal Pradesh. M. Anand Singh, 44, themain accused, was arrest ed last July along with A. Kajit Singh, Keisham John son, L. Michael Mangang cha and K.
- Romojit Meitel by the Manipur Police while travelling in a vehicle dressed in camouflage at tire resembling uniforms worn personnel. by security Three weapons and am munition looted from polNSCN-IM promised a safe passage to Manipur-based terrorist outfits, the Central agency saysice armouries were reco from their vered possession. The NIA regis tered a fresh case on July 19 under the stringent Unlaw ful Activities (Prevention) Act (UAPA) and other sec of law tions to probe the larger conspiracy, Local youth recruited The NIA said Anand Singh mobilised local youth for armed training to escalate the ethnic strife and in July 2023 participated in a wea pons training camp organ ised in Selloi Langamal Ec ological Park near Keikhu by PLA cadres where 80 90 young men received training in handling fi rearms "Singh assisted in Plea to bar PM from polls rejected.
- The Hindu Bureau NEW DELHIThe Supreme Court on Tuesday declined to entertain a plea to bar Prime Mi nister Narendra Modi from election for allegedly making hate speeches and violating the Model Code of Conduct campaigning during A Bench of Justices Vikauthorities first," Justice Nath told advocate Anand S. Jondhale, appearing forpetitioner Fatima. The petition had soughtram Nath and S.C. Sharma asked the petitioner to ap proach the authorities con cerned for the redressal of the grievance"For writ of mandamus you must approach thea direction to the EC to dis qualify Prime Minister Mo di from election for six years under the Representation of the People Act. imparting training on battle drills and jungle war fare to the participating youth, the NIA stated. The agency said the cri minal intent of targeting the rival community has been established and corroborated by the use of camouflage attire they were wearing "to evade detec by tion personnel security The NIA said the "China- Myanmar module of the hearing NSCN-IM based in Myan mar decided to extend sup port to banned terrorist or ganisations Kanglei Yaol Kanba Lup and People's Liberation Army of Mani pur to infiltrate their extends of Kavith May 20 The Hindu By NEW DELHIA Delhi courtextended thetody of Bharamithi (BRS)vitha, who waa money lauin alleged Delicy scam, tillThe courtsance of thementary charby the ED agvitha until thcustody.On May 10filed a nearcadres into the Indian ter ritory for carrying out ter rorist attacks. "For this purpose, NSCN-IM pro mised a.





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resembling uniforms worn personnel. by security Three weapons and am munition looted from polNSCN-IM promised a safe passage to Manipur-based terrorist outfits, the Central agency saysice armouries were reco from their vered possession. The NIA regis tered a fresh case on July 19 under the stringent Unlaw ful Activities (Prevention) Act (UAPA) and other sec of law tions to probe the larger conspiracy, Local youth recruited The NIA said Anand Singh mobilised local youth for armed training to escalate the ethnic strife and in July 2023 participated in a wea pons training camp organ ised in Selloi Langamal Ec ological Park near Keikhu by PLA cadres where 80 90 young men received training in handling fi rearms "Singh assisted in Plea to bar PM from polls rejected"

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The Indian Express Daily News Analysis



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GS-III: Solar flares behind aurora captured by Chandrayaan-2 orbiter, Aditya-L1: ISRO

Solar flares behind aurora were captured by Chandrayaan-2 orbiter, Aditya-LI: ISROANONNA DUTTNEW DELHI MAY 14WHILE MOST of India did not get to see the Aurora lights visible in many parts of the world recently. the solar flares that caused it were seen by Indian ground stations, the spacecraft Aditya-L1 studying the Sun from a point 1.5 million km away, and the Chandrayaan 2 orbiter circling the moon.The colourful lights in the night sky are a result of the charged particles ejected by the Sun hitting the gases in Earth's upper atmosphere. Usually, these



particles travel along the Earth's magnetic fields, reaching the poles where the vibrantcolours are seen. But, during a geomagnetic storm, like the one witnessed recently, the mag- netic fields may break allow the particles to reach the upper atmosphere.

- The geomagnetic storm wit-nessed recently was the most in tense seen since 2003, according to a statement by the Indian Space Research Organisation and led to disruptions in communications and GPS systems. On the geomagnetic storm touched a nine, the maximum available, the space "Indian sector got less af- fected as the storm happened in the early morning of 11th May, when the ionosphere had not developed, index, it agency said. main hit of the fully.
- Also, being at lower lati- tudes, widespread outages haven't been reported in India. Ionosphere was very turbulent over the Pacific and American sectors." said ISRO One of the payloads onboard Aditya-L1 called ASPEX captured high speed solar wind, high temperature solar wind plasma (the charged particles expelled by the Sun), and an en ergetic ion flux. Two other in- struments on the space-based observatory had over the previ- ous few days seen multiple M and X-class flares from the same region where the recent one originated. Solar flares are clas- sified based on their strength, with B-class being the smallestones, followed by C. M, and then X-class that are thousand times stronger than B-class.
- Solar flares are more com- monly seen during the solas maximum. In the current cycles the solar maximum is likely to happen in mid 2025. Chandrayaan-2 orbiter also captured the eruptive even from its orbit around the moon Isro said. The payload XSM on board detected the solar flares with it being equipped to au tonomously identify large flare and activate a mechanism te bring a filter in front of the detector. It also collected information on the local charge particle concentrations, which went up Ma 9 onwards.





GS-III: CHAT GPT

- POWERFUL AI MODELYETBIJIN JOSEBENGALURU, MAY 14OPENAI on Monday introduced its latest large language model (LLM) called GPT- 40, billed as its fastest and most powerful AI model so far. The company claims that the model will improve its AI chatbot ChatGPT and make it easier to use. Until now, OpenAI's most advanced LLM was GPT-4, which is only available to paid users. However, the GPT-40 will be freely available. What is GPT-40? GPT-40 ('o'stands for 'Omni') has been developed to enhance human-computer interactions. It lets users in- put any combination of text, audio, and image, and re- ceive responses in the same formats.
- This makes GPT-40 a multimodal Al model a significant leap from previous models.+It could assist users with a variety of tasks, from real- time translations to having real-time spo- ken conversations. OpenAl said that the new updated version of ChatGPT will also have updated memory capabilities, and it will learn from its previous conversations with users.GPT-40 will be made available to the public in stages. What is the technology behind it? LLMs are the backbone of Al chatbotsLarge amounts of data are fed into thesemodels to make them capable of learn-ing things themselves. Unlike its predecessors that required multiple models to handle different tasks, GPT-40 uses a single model trained end- to-end across various modalities-text, vision, and audio. OpenAl CTO Mira Murati said the voice mode on previous models was a YOUR GO-TO INSTITUTE FORcombination of three different models, transcription, intelligence, and text-to-speech, while GPT-40 is a single model and understanding of inputs. For examthat allows for a more holistic processing ple, GPT-40 can understand tone, back-ground noises, and emotional context in audio inputs at once.
- This was a big chal-lenge for earlier models.efficiency. GPT-40 responds to queries as Another leap is in areas of speed and fast as a human does in conversation, in around 232 to 320 milliseconds. Why does all this matter? The Al race is intensifying, with tech giants Meta and Google working towards building more powerful LLMs and bring- ing them to their products. GPT-40 could prove benefi- cial for Microsoft, which has invested billions into OpenAl, as it can now em- bed the model in existing services like its search en gine. The new model also came a day ahead of the Google I/O developer conference, where Google is expected to announce new up-dates to its Gemini Al model. What are GPT-40's limitations?
- On its official blog, OpenAl said thatGPT-40 is still in the early stages of ex- ploring the potential of unified multi- modal interaction, meaning certain fea- tures like audio outputs are initially accessible in a limited form only. The company said further develop- ment is necessary to fully realise its po- tential in handling complex multimodal tasks seamlessly. OpenAl said GPT-40 has safety measures including "filtered training data, and refined model behaviour post training".
- The new model has undergone safety eval- uations and reviews focussed on risks like cybersecurity, misinformation, and bias, VAJIRAM & RAVImoreYeratea wainfecAAMTHEsoutto clinthe ababoutInchangesuch abbe recorThebutionthat triextremmate cThiwaveshave bsamerexcessApril onclimateAttofstudytantinchangeenon, antious abevent.omand medecadea particlikely bHeat





GS-I: Heatwaves & climate change

- Heatwaves & climate change A new study has attributed heatwaves witnessed in India in April to climate change. This is not a surprise -with soaring global temperatures, heatwaves have become more frequent and intense in the country T 2020 2021 AMITABH SINHATHE EXTREME beat in parts of caners and southern India this April has been attribsand biclerute chung. A new shaly has said that the betty bhptures were made an Skely by dinum dungln ather whatts, if there was no climate would be extremely unlikely that change wouNUMBER OF HEATWAVEDAYSSTATESUT Andhra Pradesh Bihar Chhattisgarh Delhi Gujarat Haryana Thuridund Karnatakao400Madhya Pradesh Maharashtra Odisha Punjabi Rajasthan nanhi by Worst Weather Att cain whether a particle extreme weather even was caused by c mate changTamil Nad Telangana422theUttar Pradesh2115Uttarakhand West Bengal upThis thant straight year that heat arty part of summer insta same researchers had earlier shown that the have been attributed to climate change. The hetat in March Aped of 2022 and Apn mond Skety ty caused by chimate changeo2WHAT MAKES FOR A HEATWAVE?
- Nam with normalHeatwave if temperatur higher bymulti40 degree Cruun or la maxkam temperature5-6 degree Ceblus 3-4 degree CelsiusatiallyAgribution newfarid of analy that is fe tant in measuring the impact of climate dange. Cirtute change in a global phenom en and scenties have besolyca tous about blaming any individual weat eventonchonarchung. Howevec.newtool and methodiologes devekipendin the last two decades have made it by whethermedalta, andyeakbusASevere heatwave if temperatur higher byMore than 40 degree CehkusFor anyplaceMaximumtesn45 Segree Celsius for two comecutive daysI degree CelsiusMore than 5 degree Celsiunremains abovenes.
- ▶ But there is plenty of eviden now tosuggest that heatwaves are beconsing mor Degunt, uuese, and prolonged because of dimule change Last year, several parts of the eyesOcular event was made more or less a particular event likely by climate changeHeatwaves in IndiaFebruary, pierienced beatwave ditas in Fete technically a winter math for India, Mati higher than normal cally meeting mperatures mam temp Sto 11 depees degrees the Mesogical higher th (IMD) in af because hearwaves Depan am meancto be dedaredarity inthe Apell July ture for February period. The matun temperature for the man degree Celsut higher than borma mang the and hotint Febinary in Indarver
- TheIMDmore grim. Heatwaves at the beginning ofvere likely to be more prolonged, thessal 148 days Lamang fon insome places intud of Trur to prediction, an 18-day heatwave was minded in Odisha in April the second ingest spel for the state hereditargantation Gangetic West woording to an analysis by Clunare Central, a 175-hased Bengal teghest number of het wave days any roth in the last 15 year, India from Thursday. Heatwaves are not defined by high tam peratures.
- They are defined by abnormalties intemperanan Foresumple a place that nomaly sees a termperature of 40 Celsius during summer is not sad to be expenencing a heatwave even if the tertipesation esto 42 or 43 degrees. On the other hand ould be saat to be faonga mesto 42 another location heatwave even at 15 depres egrees if is normal reduring that time is 2728 Remperature gres Ser boxHeatwaves an quite comation in north em central and eastem India duringthe analysis said India reranded its warmest April ever Not surprisingly eastern On Tuesday the IMD saat a fresh spell of ngheatwaves warkety to start overr overnorting detty dration and cardiovascular and impetary discursandong nesses evening sudden drach. Dataon illnesses and deaths caned by meesshe heat in x maintained well in India Eus to collect and collate





these data began only alant a made as. But eliable fipars an will not available and them wide diverences among numbers reported byvahous agencies such as the the IMD IMD National Na Disaster Management Authority (NOMA, theIntegrint Dibease Surveillance Programme or the National Creeve RN For instance, the Health Manatry, in reply to a Parliament question Last year sadi bad information about just 33 heat-related deaths in 2012.

- But the NCRB, which canensheat-related mentality among accidental heat-rel Forces of nature, repoτης deaths caused caused by 730 deaths for 2002 in chu 2023deaths in the fint six monthaned by (MD Data collected and and NDMA showed a sharp decline in the sharp decline mumber of heat related deaths ever sincestate governments and district adminis noon began implementing at an as It was evidence or the success of early wam ings and heat action planu, but this dataset has been showing a reversal of trends in the Lant couple of years. This could be because of better reporting ar an increase in the verlty-of beatwaves Mitigation of heatwaves All the 21 states to be nerabeto hearwaves now have heat action pum manage the advene impacts.
- Simple mea ures le the prism of cool drinking wate at public places, free datribution of oral rely case of schools and in leges daing peak hours and providing are toparande wis and other shaled places have brought relief to large nu of people and pre verdemes and death in several ces However, mud nests to be da especially because heatwavesmut mandatorily relate the eveni unorgansed sectors lar construction. Ther would emure that non essential activities especially those carried out in the opera stopped during the worst time. Like schools leges, office timi can ahe be hingstweakened. All corganised outdoor activities dading sports, would need tube strictly m sland. Some experts lament the lack of a ngute funding fix the beat action plamyear 2023 als ended up at the secund warrent ever fox balia The beatwave okouk for this year wasImpact of heatwaves Pianged exposure to heat can rent in.





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