



25 February 2025

Telangana State Regional News

<p>Chalukya-era</p>	<p>Why in news?</p> <ul style="list-style-type: none"> • A Chalukya-era inscription found in a village in Telangana sheds light on the region's history. <p>Key Points:</p> <ul style="list-style-type: none"> • The Chalukyas ruled over the central Indian plateau of the Deccan between the sixth and twelfth centuries. • During that period, they ruled as three closely related but individual dynasties. • The Chalukyas of Badami, who ruled between the sixth and eighth centuries, and the two sibling dynasties of the Chalukyas of Kalyani, or the Western Chalukyas, and the Chalukyas of Vengi, or the Eastern Chalukyas.
<p>Gene Therapy</p>	<p>Why in news?</p> <ul style="list-style-type: none"> • Miltenyi Biotec, a German provider of cellular research, cell therapy, and cell manufacturing solutions, inaugurated a Cell and Gene Therapy Centre of Excellence (CoE) in Hyderabad. <p>Key Points:</p> <ul style="list-style-type: none"> • It is a technique that involves altering the genetic material of cells to treat or prevent disease. • It aims to introduce a normal, functional gene to compensate for the defective, disease-causing gene. • It employs various approaches: replacing a mutated gene with a healthy copy, inactivating a mutated gene, and introducing a new gene. • Gene therapy has primarily focused on treating monogenic disorders caused by a mutation in a single gene, such as SCID, haemophilia, and muscular dystrophy.
<p>NewSpace India Limited (NSIL)</p>	<p>Why in news?</p> <ul style="list-style-type: none"> • Avantel, a strategic communication products firm, has secured an order worth ₹43.25 crore from NewSpace India (NSIL), the commercial arm of the Indian Space Research Organisation (ISRO), to supply, install, and commission 45,252 Xponder devices. <p>Key Points:</p> <ul style="list-style-type: none"> • It is a Public Sector Undertaking (PSU) of the Government of India under DoS and is responsible for producing, assembling and integrating the launch vehicle with the help of industry consortium. • It was established in 2019 under the Company Act 2013,



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		<p>with the main objective to scale up private sector participation in Indian space programmes.</p> <ul style="list-style-type: none"> • In 2022, the agency called for complete manufacturing of its workhorse Polar Satellite Launch Vehicle (PSLV). • A consortium of HAL and L&T has been selected to manufacture five PSLV, with the first flight of the privately manufactured vehicle likely this year.
Srisailem Left Bank Canal (SLBC) tunnel		<p>Why in news?</p> <ul style="list-style-type: none"> • Eight workers have been trapped inside the collapsed Srisailem Left Bank Canal (SLBC) tunnel in Telangana's Nagarkurnool district. The incident occurred when a three-meter section of the tunnel's roof collapsed during maintenance work to repair a leak. <p>Key Points:</p> <ul style="list-style-type: none"> • The Srisailem Left Bank Canal (SLBC) tunnel is a crucial irrigation project in Telangana. It is designed to supply water from the Krishna River to drought-prone areas in the Nalgonda and Mahabubnagar districts. • It is part of the larger Srisailem Lift Irrigation Scheme, which aims to improve water accessibility for agriculture and drinking purposes. • Length: The tunnel is approximately 50 km long. It is one of the longest tunnels in India for irrigation. • Purpose: It has been designed to carry water from the Srisailem Reservoir to regions that face chronic water shortages. • Tunnel-boring machines (TBMs): <ul style="list-style-type: none"> ○ TBMs bore the rock from the front using a rotating head. The portion of the excavated tunnel is supported by installing precast concrete segments. ○ TBMs are used when the rock cover is up to 400 metres tall.
Krishna Management (KRMB)	River Board	<p>Why in news?</p> <ul style="list-style-type: none"> • The KRMB meeting concluded without reaching a decision on the water indents of Andhra Pradesh and Telangana. <p>Key Points:</p> <ul style="list-style-type: none"> • Krishna River Management Board (KRMB) is an autonomous body established as per Andhra Pradesh Reorganization Act, 2014 under the administrative control of Ministry of Jal Shakti to manage and regulate the waters in Krishna Basin in the states of Andhra Pradesh and Telangana. • The headquarters of the KRMB shall be in Andhra Pradesh. • KRMB shall have jurisdiction and shall perform the functions as per the provisions of sub-section (1) of section 85 of



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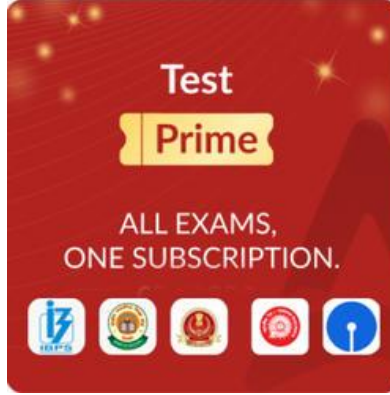
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the Andhra Pradesh Reorganisation Act 2014, such as administration, operation, maintenance and regulation.



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