




14 November 2023

Telangana State Regional News

<p>Interlinking of Godavari-Krishna-Pennar-Cauvery</p> 	<p>In News: Southern States agree in principle for interlinking of Godavari-Krishna-Pennar-Cauvery</p> <ul style="list-style-type: none"> All the States of the Godavari basin agreed in principle for going ahead with two key components of the Interlinking of Rivers Project Phase I. Both components envisage transfer of 166 tmc of water from the Godavari basin. As part of the first component, the Godavari (Inchampalli) – Krishna (Nagarjunasagar) – Pennar (Somasila) – Cauvery (Grand Anicut) linking would be taken up. It would facilitate diversion of 148 tmc of unutilised water of Chhattisgarh. The DPR for the implementation of the component would be ready by December 31. This would be followed by the drafting and finalization of the MOU process to which all the participant States would be signatories.
<p>Electrode materials developed for sodium-ion batteries</p>	<p>In News: UoH, TIFR develop electrode materials for sodium-ion batteries</p> <ul style="list-style-type: none"> A group of researchers from University of Hyderabad (UoH) and Tata Institute of Fundamental Research (TIFR)-Hyderabad have developed electrode materials which have the potential in fast charge-discharge energy storage applications for sodium-ion batteries The laboratory in the Centre for Advanced Studies and Electronics Science and Technology, School of Physics at University of Hyderabad (UoH), is working on developing electrode materials for sodium-ion batteries They have developed Tin antimony alloy based reduced graphene oxide composite for fast charging sodium-ion batteries.
<p>About Sodium-ion batteries (SIBs)</p>	<p>Context:</p> <ul style="list-style-type: none"> Sodium-ion batteries (SIBs) are a new type of rechargeable battery that use sodium ions (Na⁺) as the charge carriers, instead of lithium ions (Li⁺) as used in traditional lithium-ion batteries (LIBs). <p>Advantages SIBs over LIBs:</p> <ul style="list-style-type: none"> Abundance: Sodium is a much more abundant element than lithium, making SIBs more affordable to produce. Safety: SIBs are generally safer than LIBs, as they are less flammable and less likely to overheat.

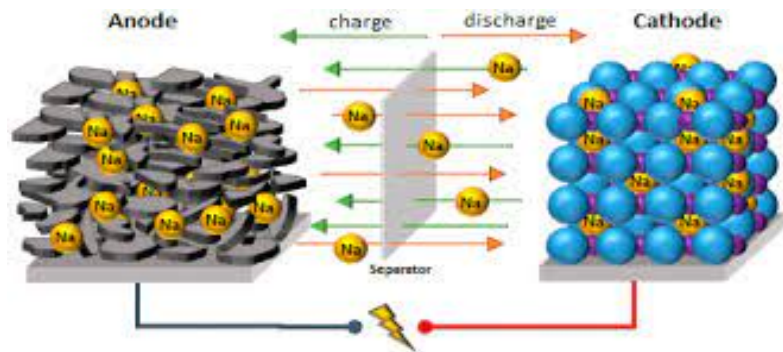


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- **Environmental impact:** SIBs are more environmentally friendly than LIBs, as they do not require the use of rare earth metals.

Disadvantages of SIBs compared to LIBs:

- **Energy density:** SIBs have a lower energy density than LIBs, meaning that they cannot store as much energy in the same volume.
- **Power density:** SIBs also have a lower power density than LIBs, meaning that they cannot deliver as much power in a short period of time.



Bidriware



Key Points:

- Bidriware is a **traditional metal handicraft** of Hyderabad, Telangana, India.
- It is made by inlaying **silver or gold on a black metal base**, which is usually **an alloy of zinc and copper**.
- Bidriware is known for its intricate designs and fine craftsmanship.
- Bidriware has a long history, dating back to the **14th century**.
- It is believed to have been introduced to Hyderabad by **Persian artisans** during the reign of the **Bahmani sultans**.
- Bidriware flourished under the patronage of the Nizams of Hyderabad, who were known for their love of luxury and culture.

Dokra handicrafts



Key Points:

- Dokra is a **type of lost-wax casting used to create brass and copper handicrafts**.
- It is a traditional craft of Telangana, India, and is one of the oldest known metalworking techniques in the world.
- The Dokra process begins with the creation of a clay mold.
- The mold is then decorated with intricate designs using wax.
- Once the design is complete, the mold is heated and the wax melts, leaving a hollow cavity in the clay.
- Molten brass or copper is then poured into the cavity, and the mold is allowed to cool.
- Once the metal has solidified, the clay mold is broken away, revealing the finished Dokra piece.



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Here are some quotes related to Children

- “Children are like buds in a garden; they should be carefully nurtured, as they are the future of the nation and the citizens of tomorrow.” – Jawaharlal Nehru
- “Children are the world’s most valuable resource and its best hope for the future.” – John F. Kennedy
- “Every child comes with the message that God is not yet discouraged by humanity.” – Rabindranath Tagore
- “The soul is healed by being with children.” – Fyodor Dostoyevsky
- “Children are not things to be molded, but are people to be unfolded.” – Jess Lair
- “Children make your life important.” – Erma Bombeck
- “Let us sacrifice our today so that our children can have a better tomorrow.” – A. P. J. Abdul Kalam
- “To every child – I dream of a world where you can laugh, dance, sing, learn, live in peace, and be happy.” – Malala Yousafzai
- “The greatest gifts you can give your children are the roots of responsibility and the wings of independence.” – Denis Waitley
- “The best way to make children good is to make them happy.” – Oscar Wilde
- “Children are not only innocent and curious but also optimistic and joyful and essentially happy. They are, in short, everything adults wish they could be.” – Carolyn Haywood

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