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## Centre of Excellence for Ceramics | Rajasthan | 27 Dec 2024

### Why in News?

A new [Centre of Excellence for Ceramics](#) is being **established in Rajasthan**. It is set to promote the industry with **exploration, [mining](#), processing and world-class research**.

### Key Points

- **Abundant Ceramic Mineral Reserves:**
  - **Rajasthan possesses vast reserves** of [ceramic minerals](#) like ball clay, [silica sand](#), [quartz](#), china clay, and feldspar.
  - **Raw materials are being sent to other states for processing**, despite significant potential for **ceramic-based industries** and job creation within Rajasthan.
- **Role of the Centre:**
  - The **centre will provide technical guidance for mining, processing, and manufacturing** ceramic minerals, optimizing the utilization of local resources.
  - Its services will be pre-defined to ensure utility from day one of operation.
- **Focus Areas:**
  - A major emphasis will be on exploring [silica minerals](#) for producing:
    - Insulators for electricity supply.
    - Sanitaryware products.
    - Tiles for the real estate sector.
    - Pottery and bricks.
    - [Semi-conductors](#) for electronics.
- **Stakeholder Contributions:**
  - Suggestions were received from prominent experts, including officials from **Bikaner Technical University**, **Central Glass & Ceramic Research Institute (CGCRI)**, and [IIT \(BHU\)](#), to refine the centre's objectives and operational framework.

### Central Glass and Ceramic Research Institute (CGCRI)

- CGCRI is a national research institute **headquartered in Kolkata**, operating under the [Council of Scientific and Industrial Research \(CSIR\)](#).
- **Founded in 1950**, the institute **specializes in research and development** in areas such as **glass, ceramics, mica, and refractories**.