



World's Second Largest Diamond

Source: IE

Recently, a **2,492-carat diamond, the second-largest in the world**, was discovered at the Karowe Diamond Mine in Botswana. The **largest diamond ever found remains the Cullinan diamond**, weighing 3,106 carats, which was discovered in South Africa in 1905.

- The diamond was recovered using **Mega Diamond Recovery (MDR) X-ray Transmission (XRT) technology** which enhances the identification and preservation of large diamonds.
- Botswana, **a major diamond producer**, relies heavily on the gem for **30% of its GDP** and **80% of its exports**.
- **About Diamond:**
 - Diamond, an **allotrope of carbon**, is the **hardest naturally occurring substance** on Earth.
 - Formed in the Earth's mantle and brought to the surface through volcanic activity, it is found in **volcanic landforms** like **dykes** and **sills**.
 - **Uses:**
 - In jewelry, metal polishing, gem cutting, and industrial applications such as cutting edges for drills.
 - **Key Locations in India:**
 - The **Panna belt (Madhya Pradesh)**, **Wajrakarur Kimberlite pipe**, and the **Krishna River basin (Andhra Pradesh)**.
 - The **cutting and polishing industry** is centered in **Surat, Navsari, Ahmedabad, and Palampur**.
 - **Leading Producers:**
 - Russia, Botswana, Canada, Australia, South Africa, and the Democratic Republic of Congo (DRC).

Read More: [Lab-Grown Diamonds](#)

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