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11 July 2024

Maharashtra State Specific News

Scientific deep-drilling

Why in the news?

- India is carrying out a **mission to drill a 6-km deep hole in Koyna, Maharashtra.**

About Scientific deep-drilling:

- **Scientific Deep-Drilling Overview:**
 - Scientific deep-drilling **involves strategically digging boreholes to study and analyze deeper parts of the Earth's crust.**
 - **Opportunities:** Allows the **study of earthquakes, planet's history, rock types, energy resources, life forms, climate change patterns, and the evolution of life.**
- **Borehole Geophysics Research Laboratory (BGRL):**
 - **Location:** Karad, Maharashtra.
 - **Mandate:** Execute India's sole scientific deep-drilling program.
 - **Objective:** Drill to a depth of **6 km to study reservoir-triggered earthquakes in the Koyna-Warna region.**
- **Koyna-Warna Region:**
 - **History:** Experiencing frequent earthquakes since the Koyna Dam was impounded in 1962.
 - **Pilot Borehole:** Completed to a depth of 3 km.
- **Benefits of Deep-Drilling:**
 - Earthquake Study
 - Geological Observatories
 - Knowledge Expansion
 - Technological Innovation
- **Conclusion:** Scientific Progress: Koyna deep-drilling is setting a foundation for future deep-drilling experiments in India, expanding academic knowledge and technological capabilities.



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<p>Issue of farmers suicide</p>	<p>Why in the news?</p> <ul style="list-style-type: none">• A report prepared by the Amravati divisional commissionerate said a total of 557 farmers committed suicide in the division from January to June in 2024. <p>Key points:</p> <ul style="list-style-type: none">• The major reasons that drive farmers towards suicide:<ul style="list-style-type: none">○ Crop losses,○ Lack of adequate rainfall,○ Existing debt burden and○ Absence of timely farm loan.• Suicides in Amravati Division:<ul style="list-style-type: none">○ District-wise suicides:<ul style="list-style-type: none">■ Amravati: 170■ Yavatmal: 150■ Buldhana: 111■ Akola: 92■ Washim: 34
<p>Vasantrao Naik Shetkari Swavlambi Mission (VNSSM)</p>	<p>Why in the news?</p> <ul style="list-style-type: none">• A report prepared by the Amravati divisional commissionerate said a total of 557 farmers committed suicide in the division from January to June in 2024.• Vasantrao Naik Shetkari Swavlambi Mission is addressing the issue. <p>About VNSSM:</p> <ul style="list-style-type: none">• Objective: The mission aims to support farmers and reduce suicides by providing assistance and promoting sustainable agriculture.• Coverage: Implemented in 14 districts of Maharashtra.



	<ul style="list-style-type: none"> ● Key Initiatives: <ul style="list-style-type: none"> ○ New Crop Loans: Proposes to provide new crop loans to all farmers. ○ Income Support: Focuses on income enhancement through various government schemes. ○ Education and Medical Costs: Supports education for children and covers medical expenses for family members. ● Challenges: High suicide rates due to crop losses, inadequate rainfall, existing debt burden, and lack of timely farm loans. ● Government Efforts: Local administration engages with farmers at the gram panchayat level to address these issues
<p>Mumbai Metropolitan Region Development Authority (MMRDA)</p>	<p>Why in the news?</p> <ul style="list-style-type: none"> ● Mumbai Metropolitan Region Development Authority (MMRDA) appointed as planning agency for over 600 villages in Raigad and Palghar districts, expanding its jurisdiction for development projects. <p>About MMRDA:</p> <ul style="list-style-type: none"> ● Establishment and Purpose: <ul style="list-style-type: none"> ○ MMRDA was established on January 26, 1975, in accordance with the Mumbai Metropolitan Development Act, 1974. ○ Focus: long-term planning, promotion of new growth centers, implementation of strategic projects, and financing infrastructure development within the Mumbai Metropolitan Region. ● Infrastructure Projects: MMRDA is involved in several key projects, including metro lines, the Balasaheb Thackeray Rashtriya Smarak, and the Mumbai Trans Harbour Link (MTHL). ● Geographic Coverage: <ul style="list-style-type: none"> ○ MMRDA operates within an area of 6328 square kilometers in the state of Maharashtra. ○ It covers districts such as Mumbai City, Mumbai Suburban, Thane, Palghar (partial) and Raigad (partial).



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