

AIRAWAT

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About Supercomputer 'AIRAWAT':

- The supercomputer has been named in the 61st edition of the Top 500 Global Supercomputing List released recently.
- The AI supercomputer AIRAWAT' is **installed at C-DAC, Pune**. The system is installed under National Program on AI by the Government of India.
- AIRAWAT's manufacturer is **Netweb Technologies**.
- Airawat PSAI, stands as **India's largest and fastest AI supercomputing** system, with a remarkable **speed of 13,170 teraflops**.
- **Benefits:**
 - It will empower the Academia, Research Labs, Scientific Community, Industry and Start-Ups to develop indigenous AI-enabled products/solutions especially for solving India-specific grand challenges and complex real-life problems.
 - It has the potential to revolutionize various sectors, including **weather forecasting, drug discovery, climate modelling, and artificial intelligence** research.

About Centre for Development of Advanced Computing (C-DAC):

- It is a prominent **R&D organization** under the **Ministry of Electronics and Information Technology**.
 - It focuses on **research and development** in various domains, **including information technology, electronics, and supercomputing**.
 - It was **established** in the year **1988**.
 - It was **set up to build Supercomputers** in context of denial of import of Supercomputers by USA.
 - C-DAC build **India's first indigenously built** supercomputer **Param 8000** in 1991.
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Q1) What is PARAM 8000 supercomputer?

PARAM 8000 was a distributed memory MIMD architecture with a reconfigurable interconnection network. The PARAM 8000 was noted to be 28 times more powerful than the Cray X-MP that the government originally requested, for the same \$10 million cost quoted for it.

Source: India's Airawat PSAI: Country's Fastest Supercomputer ranks 75th among Global Top 500

Source: <https://vajiramandravi.com/current-affairs/airawat/>

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