

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हार्गिण में नहीं लिखना चाहिए।
Candidates must not write on this margin

Q. With the right policies in hand, India has the opportunity to become the world's data hub.
Analyse.

↳ Amazon's plan to invest \$4.4 Bn for setting up data centre in Hyderabad is only the latest indication of the massive opportunity for India to become the data hub of the world.

↳ Importance of Data centre.

↳ The digital delivery of Entertainment, Healthcare, education as well as goods and services is on the rise.

↳ The increased application of new technologies like 5G, cloud computing, the internet of things and Government initiatives such as Digital India is driving the growth of digital infrastructure in the country.

↳ It also ensure the User data remains within the country.

↳ Challenges

↳ Data centre capacity in India is expected to double to 1700-1800 MW by 2025 FY

↳ Require investments of over \$8 Billion.

↳ Require unreliable power supply infrastructure, exorbitant land costs, coupled with the non-availability of suitable land parcels in desire location.

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↳ Issues

- ↳ Non-availability of Nationwide high Band width low-latency optical fibre cable infrastructure
- ↳ Need to acquire multiple regulatory approvals from local Authorities
- ↳ Asymmetrical concentration of DCs within a few states.

↳ Way-Forwards

↳ Ministry of Electronics and Information Technology issued a Draft policy in 2020 to give data centres infrastructure status.

↳ setting up a single window approvals.

↳ Data centre as an Inclusion of Data centre as an Essential Service under the Essential Service Maintenance Act (1968) to enable seamless continuity of services.

↳ Operationalising a data centre specific Portal on National single window system.

↳ states lagging in data centres should be supported by the centre for setting up data centre parks.

