Prelim Bits 23-02-2017

INS Betwa

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- INS Betwa is a Brahmaputra-class-guided missile frigate was commissioned in the Indian Navy in 2004.
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- The ship is named after the Betwa river in Madhya Pradesh.
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- INS Betwa has participated in Operation Cactus in 1988 when India tried to restore the democratically elected government in Maldivia and participated in Operation Sukoon for evacuating stranded Indian nationals from Lebanon during the Israel-Lebanon conflict in 2006.
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- It was capsized in December 2016.
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- It is no being resurrected and would be operational by April 2018, the Navy said on Wednesday.
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Arun-3

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- The Cabinet Committee on Economic Affairs chaired by the Prime Minister Shri Narendra Modi has approved the investment for generation component of Arun-3 **Hydro Electric Project** (900 MW).
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- The project is located on Arun River in Sankhuwasabha District of Eastern Nepal.
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- The Run-of-River scheme envisages a high concrete gravity dam and a Head Race Tunnel (HRT) with underground Power House containing four generating units on Left Bank.
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- It would generate employment for 3000 persons from both India and Nepal,

will provide surplus power to India strengthening power availability in the country and will also strengthening economic linkages with Nepal.
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Run-of-the-river hydroelectricity (ROR)

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- ROR is a type of hydroelectric generation plant whereby little or no water storage is provided.
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- Substantial flooding of the upper part of the river is not required for run-of-river projects as a large reservoir is not required. As a result, people living at or near the river don't need to be relocated and natural habitats and productive farmlands are not wiped out.
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- It does not require the formation of a reservoir thus eliminating the methane and carbon dioxide emissions generally caused by the decomposition of organic matter in the reservoir of a conventional hydro-electric dam.
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Science City

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- Haryana is about to be set up a Science City in Sonepat.
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- The Haryana government has also requested the ministry to consider this as a project of the National Capital Region (NCR) as there is no Science City in NCR and the vicinity.
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- Thematic galleries on climate change, biodiversity, cutting-edge science and technology, nanoscience, biotechnology and robotics will be created.
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- It will also have a fun science gallery explaining various aspects of science and technology, interactive demonstrations, Laser Show, 3D/4D/5D science-show facilities, virtual reality exhibits, simulator, space theatre etc.
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