

## **Prelim Bits 05-09-2018**

### **KAZIND**

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- Kazind is an Indo-Kazakhstan Joint Army Exercise.

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- The third edition of this exercise will be conducted in Otar region, Kazakhstan. 2<sup>nd</sup> Edition (2017) was organised in India.

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- Its aim is to build and promote bilateral Army relations and exchange skills and experiences.

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- Prabal Dostyk is another joint military exercise between India and Kazakhstan.

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### **Permanent Indus Commission**

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- As per the Indus Water Treaty between India and Pakistan, Permanent Indus Commission should meet atleast once in a year.

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- The commission has experts who look into issues and disputes on the ground over the utilisation of the waters of six rivers of the Indus system.

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- Under the treaty, India has full use of the three “eastern” rivers (Beas, Ravi, Sutlej).

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- Pakistan has control over the three “western” rivers (Indus, Chenab, Jhelum), although India is given rights to use these partially as well for certain purposes.

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- The recent meeting was held in Lahore.

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- It was agreed in the meeting that Pakistan will allow India to inspect the

Kotri barrage in the lower Indus.

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- New Delhi has agreed to Islamabad's request for a special inspection of the hydroelectric projects in the Jhelum river basin, including the Kishanganga scheme.

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Click [here](#) to know about Kishanganga project.

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## **Kotri Barrage**

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- It is a diversion dam used to control the amount of water passing through.

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- It is located in the lower Indus river, Sindh province of Pakistan.

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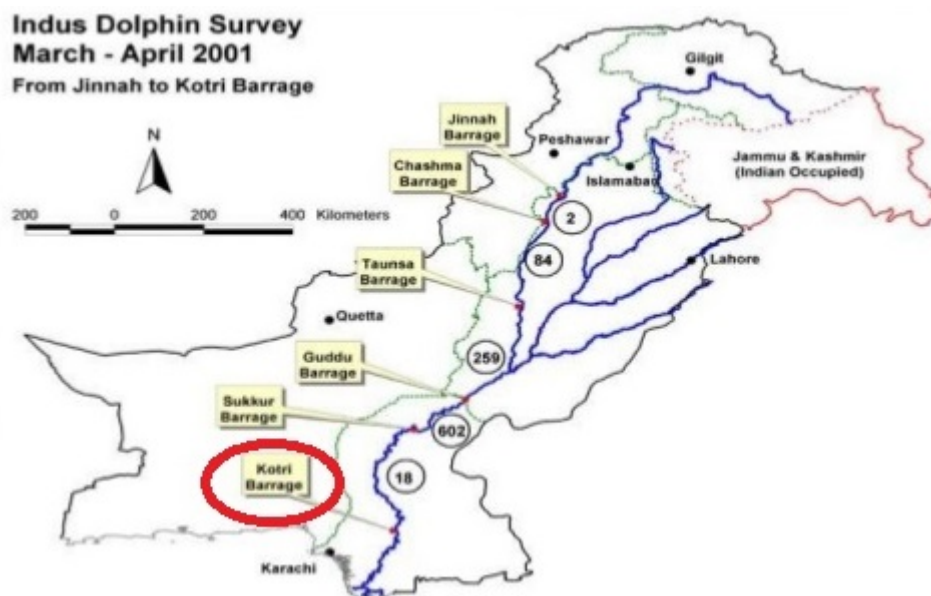
- The right-bank canal provides additional water to the city of Karachi.

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- The other important barrages in the lower Indus are Guddu and Sukkur.

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Click [here](#) to know more about Indus river system.

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## Spring Water System

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- The word “Spring” means to leap from the ground.
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- Natural springs are points on the earth surface through which ground water emerges and flows.
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- Water from confined aquifers is forced out through a cave to make artesian wells.
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- Sometimes springs are formed due to pressure from an underground water source which are usually called as “Hot Springs”.
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- Natural springs acts as a source of water for both drinking and irrigation.
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- A NITI Aayog constituted group of experts has urged the government to set up a dedicated mission to revive spring water systems in the Himalayan States.
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- Springs are often the only source of irrigation in the Himalayan region with 64% of the total cultivable area fed by springs.
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- In the Eastern Himalayas, Meghalaya has the highest number of villages having spring sources and Sikkim has the greatest density.
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- In the Western Himalayas, Jammu & Kashmir had both the highest number of villages with springs and the greatest density.
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- The task force also mooted an idea of introducing a “Spring Health Card”, preparing a digital atlas of the country’s springsheds, training ‘para-hydrogeologists’ who could lead grassroots conservation.
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## Indian Roofed Turtle

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- It is a species of turtle, protected under Schedule 1 of Wildlife Protection Act, 1972.
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- It is found in India, Bangladesh, Nepal and Pakistan.

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- In India, it is found in Ganges, Brahmaputra and Indus River drainages.
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- It is listed on CITES Appendix I.
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- It is listed as “Least Concern” in the IUCN list of threatened species.
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- The protected areas in Jalpaiguri is known for protecting this species.
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- In addition to it, it is also found in Lota devi temple located on the basin of River Karala in Jalpaiguri.
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- Society for Protecting Ophiofauna& Animal Rights (SPOAR), an NGO and the Wildlife Trust of India (WTI) has led an initiative to save the species from severe pollution in the river.
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- They have installed the Kurma avatar (form of turtle) of Lord Vishnu on the outskirts of river to reduce pollution and to encompass the religious belief.
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## **Hope Mission**

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- It is a Space mission by UAE which planned to send an unmanned probe to orbit Mars by 2021.
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- It has become the first Arab Country to do so.
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- The hope spacecraft will be a compact, hexagonal section spacecraft weighing approx. 1500 kg.
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- The launching of the spacecraft is going to be coincided with the 50<sup>th</sup> anniversary of the founding of the UAE.
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**Source: The Hindu, PIB**

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