

## 23 Jan 2021: PIB Summary & Analysis

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#### 1. Netaji Subhas Chandra Bose

**Context:**

PM pays tributes to Netaji Subhas Chandra Bose on his Jayanti.

Read more on [Netaji Subhas Chandra Bose](#) in the linked article.

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#### 2. Subhash Chandra Bose Aapda Prabandhan Puraskar 2021

**Context:**

Subhash Chandra Bose Aapda Prabandhan Puraskar 2021 announced.

Read more about Subhash Chandra Bose Aapda Prabandhan Puraskar in [PIB dated Jan 23, 2020](#).

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#### 3. Aqua Rejuvenation Plant (ARP)

**Context:**

CSIR-CMERI unveils 'Aqua Rejuvenation Plant' which facilitates an Organic Farming Model through treated Waste Water.

**Details:**

- CSIR-Central Mechanical Engineering Research Institute, Durgapur unveiled the first-ever Wastewater Treatment Technology Model which purifies Waste Water for Irrigation/Farming purposes.

**About Aqua Rejuvenation Plant:**

- Aqua Rejuvenation Plant (ARP) is an Integrated Waste Water Rejuvenation Model which has six-stage purification profile for comprehensive treatment of Waste Water, based upon diverse purification parameters.

- The approx. 24,000 litres of water that can be rejuvenated using ARP will be sufficient for almost 4 acres of Agricultural Land (barring seasonal variations in water requirements).
  - The used filtration media have been specially developed to handle Indian sewage water parameters and based upon geographical variations they may be modified.
  - The filter media is also locally source-able, so as to ensure that there would not be any stress in the supply chain for scaled-up manufacturing of ARP.
  - The treated water which is now being used for irrigation can be used even for drinking purpose also when little more time is given for settling.
  - The system has a dual benefit as while the treated water is being used for irrigation purpose, the filtered sludge generated is also utilized as manure/fertilizer.
  - The biochar prepared from dry leaves falling in autumn season is also used for mixing in the soil as it reduces the water requirement for irrigation thus saving precious water.
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#### 4. New ant species discovered from Kerala

##### What's in News?

- Two new species of a rare ant genus have been discovered in India.
- The species of the ant genus *Ooceraea* found in Kerala, and Tamil Nadu adds to the diversity of this rare genus.
- They differ from others of the same genus on the basis of the number of antennal segments.
- One of them, found in the Periyar Tiger Reserve of Kerala, has been named *Ooceraea joshii*, after a distinguished evolutionary biologist from Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR).

##### About ant genus *Ooceraea*:

- The genus is currently represented by 14 species of which eight possess nine-segmented antennae, while five possess eleven-segmented antennae and one species has recently been reported with eight-segmented antennae.
- In India, the genus was so far represented by two species with nine- and eleven-segmented antennae respectively.