

- The summit is organised in accordance with the **adoption of the Sustainable Development Goals and the Paris Agreement**.

#### THE ENERGY AND RESOURCES INSTITUTE (TERI):

- It is a **non-profit research institute**. It was established in **1974** as Tata Energy Research Institute and renamed to The Energy Resources Institute in 2003.
- Purpose → It conducts **research work** in the **fields of energy, environment, and sustainable development** for India and the Global South.
- Location → **New Delhi**.

#### OTHER INITIATIVES BY TERI:

- **Lighting a Billion Lives (LaBL)** → It is an **initiative of TERI** to provide **clean lighting access** to the bottom of the pyramid communities.
- **Green Olympiad** → It is **conducted by TERI** in association with MoEFCC. It is an **international environment examination** that is annually organized for middle and high-school students.
- **Green Rating for Integrated Habitat Assessment (GRIHA)** → It was conceived by **TERI** and developed with the Ministry of New and Renewable Energy. It is a **national rating system** for **green buildings in India**.

#### ARKA SHUBHA VARIETY OF MARIGOLD

##### WHY IN NEWS?

The Indian Institute of Horticultural Research (IIHR) has developed a new marigold variety named Arka Shubha.

##### ABOUT

- It is **mostly herbaceous plants** belonging to the **sunflower family Asteraceae**.
- The flowers are **native to the Americas**, growing naturally from the southwestern United States into South America. However, some species have become **naturalized around the world**.
- **Significance of Arka Shubha variety of Marigold** →
  - Generally, flowers lose their value if they get spoiled either due to rain or delay in harvest. However, from this variety, **crude**

**carotene** can be **extracted, even if flowers are spoilt**.

- The Arka Shubha variety of marigold has a **carotene content of 2.8%**. It is more than other marigold varieties(1.4%) and is also the **highest carotene content** from a plant source.
- **Carotene** is mainly **used in the pharmaceutical sector**. Presently, India imports most of its carotene from China and other countries.
- **Other Uses** →
  - Ornamental Purposes → These flowers can be **sold for ornamental purposes too**.
  - Poultry Sector → This variety is of use in the **poultry sector** as well. Its **petals** could be **used as feed to get quality yolk**. It can also be used as **feed for sheep too**.

#### INDIAN INSTITUTE OF HORTICULTURAL RESEARCH:

- Indian Institute of Horticultural Research (Indian Council of Agricultural Research) is an **autonomous organization** under the **Department of Agricultural Research and Education**, Ministry of Agriculture & Farmers Welfare.
- IIHR has a **main research station at Bengaluru** and **regional experiment stations at Bhubaneswar in Orissa** and Chettalli in Karnataka with two Krishi Vigyan Kendras.
- The institute's main research agenda was to **increase the yields of horticultural crop varieties** by developing high yielding varieties in fruits, vegetables, ornamentals and medicinal products.

#### PONG DAM WILDLIFE SANCTUARY

##### WHY IN NEWS?

Over a lakh migratory water birds arrived at the **Pong Dam Lake Wildlife Sanctuary in Himachal Pradesh** in Winter 2020-21.

##### ABOUT

- Pong Dam Lake Wildlife Sanctuary is in the State of **Himachal Pradesh**.
- Pong Dam Sanctuary is also known as **Pong Dam Reservoir** or **Pong Dam Lake**.