Sulphuric Acid Plant (SAP-III)

Prelims: *Current events of national and international importance*

Why in News?

Recently, Union Home and Cooperation Minister, dedicated the Sulphuric Acid Plant (SAP-III) of Indian Farmers Fertiliser Cooperative Limited (IFFCO) Odisha, to the nation during his visit to Odisha.

- **Sulphuric Acid (H_2SO_4) –** It is a colourless, odourless, oily and highly corrosive liquid, widely manufactured as an important industrial chemical.
- **Uses –** It serves as a ***key raw material for fertilizer production*** and is extensively used in petroleum refining, metal processing, and chemical manufacturing.

Sulphuric Acid Plant (SAP-III)

- **Established at –** The Indian Farmers Fertiliser Cooperative Limited (IFFCO) complex facility in Paradip, Odisha.
- **Aim –** To strengthen fertiliser production infrastructure and improve efficiency in chemical processing operations.
- **Capacity –** The new plant has a daily ***production capacity of 2,000 Metric Tonnes (MT).***

  Sulphuric acid is a key precursor and foundational raw material in the production of phosphate fertilizers, including DAP (Di-ammonium Phosphate) and various NPK (Nitrogen-Phosphorus-Potassium) fertilizers.

- **Vision –** Under the *"Sahkar se Samriddhi"* (Prosperity through Cooperation) vision.
- **Advantage –** Paradip is a deep-water natural port on the east coast.
- For fertiliser plants, the proximity to a major port is critical for the cost-effective import of raw materials like Rock Phosphate and Elemental

Sulphur.

- **Significance – *Reduce import dependency & strengthen local production*** of Sulphuric Acid.

Reference

PIB | Sulphuric Acid Plant (SAP-III)