



KAMARAJ IAS ACADEMY
Only IAS Academy by Grandson of "Per.uthalaivar Kamarajar"

Sustainable Aviation Fuel:

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The Centre will soon release a national policy on Sustainable Aviation Fuel (SAF), Minister for Civil Aviation said.

About:

Sustainable Aviation Fuel (SAF) is a biofuel used to power aircraft that has lower carbon emissions compared to conventional jet fuel (ATF – Aviation Turbine Fuel).

It can reduce lifecycle greenhouse gas emissions by up to 80% compared to traditional jet fuels, depending on the feedstock and production pathway.

Policy Framework and Support:

- o SAF aligns with National Policy on Biofuels (2018, amended 2022) and India's Net Zero 2070 target.

- o Incentives and research support are being discussed to scale up domestic SAF production.

- o The government aims for 1% SAF blending by 2027, increasing gradually thereafter.

Significance:

- o Critical for decarbonizing aviation, which accounts for around 2–3% of global CO₂ emissions.

- o Supports India's goals under the Paris Agreement and promotes the circular bioeconomy.

Kamaraj IAS Academy

Plot A P.127, AF block, 6 th street, 11th Main Rd, Shanthi Colony, Anna Nagar, Chennai, Tamil Nadu 600040

Phone: **044 4353 9988 / 98403 94477** / Whatsapp : **09710729833**