

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
LOK SABHA
UNSTARRED QUESTION NO. : 1598
(To be answered on the 15th December 2022)
HYDROGEN-POWERED PLANES BY 2035**

1598. SHRI KALYAN BANERJEE

Will the Minister of CIVIL AVIATION

नागर विमानन मंत्री

be pleased to state:-

- (a) whether it is a fact that high fuel cost as a percentage of operating charges amounts to forty five per cent in the country as compared to the global average of thirty per cent;**
- (b) if so, the details thereof and the action taken by the Government in this regard;**
- (c) whether the Government is aware that the hydrogen-powered planes are likely to come into the market 2035, which might carry hundreds more passengers per flight than traditional planes with a cleaner energy source thereof; and**
- (d) if so, the details thereof along with the plan of the Government thereon?**

ANSWER

Minister of State in the Ministry of CIVIL AVIATION

नागर विमानन मंत्रालय में राज्य मंत्री

(GEN. (DR) V. K. SINGH (RETD))

(a) and (b) The operating costs of airlines are dynamic and their individual components vary in response to multiple factors which include, inter-alia, price of Aviation Turbine Fuel (ATF) in international markets, foreign exchange, duties and taxes etc. In the case of scheduled Indian operators, the percentage share of aircraft fuel and oil expenses has been around 40% of total operating expenses. With a view to reduce the fuel cost, the issue of reduction in VAT on ATF was taken up with States/ Union Territories levying high VATs on ATF. As a result of the efforts, VAT on ATF has been reduced by several States in the country.

(c) and (d) Presently, there is no proposal under consideration of Ministry of Civil Aviation for hydrogen-powered planes.
