

**GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA
UNSTARRED QUESTION NO.900
TO BE ANSWERED ON 29th NOVEMBER, 2024**

ADULTERATION IN MILK

900. SHRI RAHUL KASWAN:

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

- (a) whether a new technology has been developed by the Central Electronics Engineering Research Institute to analyse and detect adulteration in milk in the country and if so, the details thereof;
- (b) whether any survey/study has been conducted to find out the availability of adulterated milk in the market and if so, the details thereof; and
- (c) the extent to which new technology is likely to tackle the national level health risk arising due to adulteration of milk in the country alongwith the one time and recurring cost of the new technology?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY
WELFARE
(SHRI PRATAPRAO JADHAV)**

(a): Central Electronics Engineering Research Institute, Pilani (CSIR-CEERI) has informed that it has developed technology based on patented electrochemical signature coupled with pattern recognition technique for the detection of adulteration in milk.

(b): Food Safety and Standards Authority of India (FSSAI) is fully committed to ensure the availability of safe food products to the consumers across the country. Towards this, FSSAI through State/UTs and its Regional Offices conducts regular surveillance, monitoring, inspection and random sampling of various food products including milk to check compliance with the quality and safety parameters and other requirements as laid down under Food Safety and Standards (FSS) Act, 2006, and regulations made thereunder.

Further, FSSAI has conducted pan-India surveillances for milk and milk products in 2011, 2016, 2018, 2020, 2022 and 2023. The report of Milk surveillance done by FSSAI in 2018, 2020 & 2022 is available in public domain at www.fssai.gov.in/cms/national-surveys.php.

(c): CSIR-CEERI developed technology for detection of adulterants like salt, detergent, caustic soda, melamine, urea, sodium bicarbonate, edible oils, hydrogen peroxide, ammonium sulfate and many more adulterants in less than 10-15 secs in pass/fail mode. The bill of material cost for the latest model is approximately Rs. 15,000. There is no recurring cost for testing of samples and it consumes water for cleaning of sample.

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