

GOVERNMENT OF INDIA  
MINISTRY OF FOOD PROCESSING INDUSTRIES  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 965**  
ANSWERED ON 08<sup>TH</sup> FEBRUARY, 2022

DEVELOPMENT OF ALTERNATIVE PROTEIN

**965. MS. DEBASREE CHAUDHURI:**

Will the Minister of *FOOD PROCESSING INDUSTRIES* be pleased to state:

- (a) whether the Government proposes to provide incentives for development of alternative protein and plant-based meat, if so, the details thereof;
- (b) whether globally consumers are moving towards plant-based meat for nutritional value and its environment impact, if so, the details thereof and if not, reasons therefor;
- (c) whether the Government plans to promote plant based industries by educating people, if so, details thereof and if not, reasons therefor;
- (d) the details of institutions involved in R&D in this regard;
- (e) whether the Government is considering to conduct a study in this regard; and
- (f) the measures taken to revolutionize food system and changing narrative around consumers' perception of protein?

**ANSWER**

THE MINISTER OF STATE FOR FOOD PROCESSING INDUSTRIES  
(SHRI PRAHLAD SINGH PATEL)

(a): The Ministry of Food Processing Industries is implementing a Central Sector Scheme - PRADHAN MANTRI KISAN SAMPADA YOJANA (PMKSY), under which financial assistance is provided for development of food processing/preservation infrastructure as well as setting up of food processing units. Production of alternative protein and plant based meat is eligible for financial assistance under PMKSY.

(b): The Organization for Economic Co-operation and Development-Food and Agriculture Organization (OECD-FAO) in its publication on Agricultural Outlook 2020-2029 has noted that "Consumers' growing environmental and health-consciousness is expected to support a transition from animal-based protein towards alternative sources of protein, which consumers perceive as healthier alternatives."

(c): MoFPI aims to promote preservation and processing of agro food products and modernization/ capacity enhancement of food processing units including those handling plant based food products. Under PMKSY, Ministry has approved a total of 288 projects under the Scheme for Creation/Expansion of Food Processing & Preservation Capacities (CEFPPC), 208 projects under the Scheme of Integrated Cold Chain and Value Addition Infrastructure and 34 projects under the Scheme for Creation of Backward & Forward Linkages (CBFL) which handle plant based food products.

(d): Prominent Institutions in the country involved in R&D of alternative protein and plant based meat are

- National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Thanjavur (under Ministry of Food Processing Industries, Government of India),
- Central Food Technological Research Institute (CFTRI), Mysore (under Council of Scientific and Industrial Research, Ministry of Science and Technology, Government of India)
- Defence Food Research Laboratory (DFRL), Mysore (under Defence Research and Development Organisation, Ministry of Defence, Government of India)

(e): At present, no such study is under the consideration of Ministry of Food Processing Industries.

(f): MoFPI, through its umbrella scheme of PMKSY and the Centrally Sponsored Scheme of PM Formalisation of Micro Food Processing Enterprises Scheme (PMFME), supports creation of modern food processing infrastructure in the country with efficient supply chain management from farm gate to retail, reduction in post harvest losses, increase in the levels of processing, availability of nutritious food through fortification, adherence to prescribed food standards and research initiatives. However, it has not undertaken any initiative specifically aimed at consumer's perception of protein.

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