

MeitY has deployed state-of-the-art security solutions including firewalls, intrusion prevention systems and anti-virus solution. Additionally, periodic security audits of resources are also performed.

(d) and (e) Use of digital signature and e-Sign are deployed to prevent such manipulation.

**Setting up of cold storage chains/food processing units in rural areas**

†2826. SHRI RAM NATH THAKUR: Will the Minister of FOOD PROCESSING INDUSTRIES be pleased to state:

(a) whether it is a fact that nearly 80-85 per cent of the vegetables and fruits produced in the country are laid waste because of lack of storage facilities; and

(b) whether Government would encourage establishment of cold storage chains/food y processing units in the rural areas of the country, so that, large scale vegetables/fruits being wasted could be put to good use and consequently farmers are benefited from the same?

THE MINISTER OF STATE IN THE MINISTRY OF FOOD PROCESSING INDUSTRIES (SADHVI NIRANJAN JYOTI): (a) Central Institute of Post-Harvest Engineering & Technology (CIPHET), Indian Council of Agricultural Research (ICAR) carried out a study on behalf of Ministry of Food Processing Industries on the extent of harvest and post-harvest losses of major agricultural produces and submitted the report in March, 2015. The study estimated that quantum of quantitative harvest and post-harvest losses of fruits and vegetables were in the range of 4.58% to 15.88% due to various reasons such as harvesting, cleaning, sorting/grading, packaging, transportation, storage channels, weight loss in storage etc.

(b) Ministry of Food Processing Industries is implementing a Central Sector Scheme -Pradhan Mantri Kisan Sampada Yojana (PMKSY) with the objective to supplement agriculture, modernize processing and decrease agri-waste.

The following schemes are being implemented under PMKSY:

- (i) Mega Food Parks
- (ii) Integrated Cold Chain and Value Addition Infrastructure
- (iii) Creation / Expansion of Food Processing & Preservation Capacities (CEFPPC)

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†Original notice of the question was received in Hindi.

- (iv) Infrastructure for Agro-processing Clusters
- (v) Creation of Backward and Forward Linkages
- (vi) Food Safety and Quality Assurance Infrastructure
- (vii) Human Resources and Institutions

The Scheme of Integrated Cold Chain and Value Addition Infrastructure with the objective of arresting post-harvest losses of horticulture and non-horticulture produce and providing remunerative price to farmers for their produce is being implemented to provide integrated and complete cold chain, preservation and value addition infrastructure facilities from the farm gate to the consumer. Ministry provides financial assistance in the form of grant-in-aid for value addition and processing infrastructure @ 50% for general areas and @ 75% for North East States, Himalayan States, ITDP areas and Islands and @ 35% and 50% respectively for storage and transport infrastructure subject to a maximum grant-in-aid of ₹10 crore for setting up integrated cold chain projects including irradiation facility without any break from the farm gate to the consumer. The integrated cold chain and preservation infrastructure can be set up by individuals, groups of entrepreneurs, cooperative societies, Self Help Groups (SHGs), Farmer Producer Organizations (FPOs), NGOs, Central/State PSUs, etc. The scheme is primarily private sector driven and proposals under this scheme are invited through Expression of Interest (EOI). The scheme is available in rural & urban areas in all States/UTs. State wise funds are not allocated under the scheme for Integrated Cold Chain and Value Addition

The Scheme for Creation/Expansion of Food Processing & Preservation Capacities (CEFPPC) helps in increasing the level of processing, value addition, thereby leading to reduction of wastage and enhancement of farmer's income by providing financial assistance for creation of processing and preservation capacities and modernization/expansion of existing units. The proposals for creation/expansion/modernization of food processing and preservation units are considered in Mega Food Parks (MFPs), Agro-Processing Clusters assisted by Ministry and in designated food parks notified by the Ministry under Special Food Processing Fund created in NABARD within the State/UT allocation.

The Scheme for Creation of Backward and Forward Linkages provides effective and seamless backward and forward integration for processed food industry by plugging the gaps in supply chain in terms of availability of raw material and linkages with the

market. Under the scheme, financial assistance is provided for setting up of primary processing centers/collection centers at farm gate and modern retail-outlets at the front end along with connectivity through insulated/refrigerated transport.

Under both these schemes, grant-in-aid is available @ 35% of eligible project cost in general areas and 50% of eligible project cost in North East States including Sikkim and difficult areas namely Himalayan States, State notified HUP areas & Islands subject to maximum of ₹5.00 crore per project. These schemes are available in rural and urban areas in all States/UTs.

**Preservation of agricultural produces, fruits, vegetables etc.**

†2827. DR. SATYANARAYAN JATIYA: Will the Minister of FOOD PROCESSING INDUSTRIES be pleased to state:

(a) the details of resources available for the safe storage and preservation of agriculture produces fruits, vegetables and foodgrains *vis-a-vis* to their production to protect them from getting rotten, State-wise;

(b) the details of researches carried out along with the results thereof and mechanism available to prevent the garlies and onions from getting rotten, decayed and wasted and the manner in which farmers are being benefited by it; and

(c) the details of the yields of garlies and onions in the last and the current year along with the estimated losses incurred thereof?

THE MINISTER OF STATE IN THE MINISTRY OF FOOD PROCESSING INDUSTRIES (SADHVI NIRANJAN JYOTI): (a) The Ministry of Food Processing Industries is implementing a Central Sector Scheme - PRADHAN MANTRI KISAN SAMPADA YOJANA - (PMKSY) for promotion and development of Food Processing Industries including safe storage and preservation of agriculture produces, fruits, vegetables and food grains in the country with an allocation of ₹ 6,000 crore for the period 2016-20 coterminous with the 14th Finance Commission cycle. The various schemes implemented under PMKSY are (i) Mega Food Parks; (ii) Integrated Cold Chain and Value Addition Infrastructure; (iii) Creation/Expansion of Food Processing & Preservation Capacities; (iv) Infrastructure for Agro-processing Clusters; (v) Creation of Backward and Forward Linkages; (vi) Food Safety and Quality Assurance Infrastructure and (vii) Human Resources and Institutions.

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