

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 1157
TO BE ANSWERED ON THE 18TH DECEMBER, 2018

AGRICULTURAL SKILL DEVELOPMENT

1157. SHRI BHAIRON PRASAD MISHRA:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) whether the Government has decided to give priority to train rural farmers through National Skill Development Agency (NSDA) for setting up small scale industries based on food products, fruits and vegetables;
- (b) if so, the details thereof and if not, the reasons therefor; and
- (c) whether the Government would take any decision in this regard to enable the farmers to increase their income and if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्रालय में राज्य मंत्री (SHRI PARSHOTTAM RUPALA)

(a): Yes, Madam.

(b) & (c): The Ministry for Skill Development & Entrepreneurship (MSDE) has been formed to focus on enhancing employability of the youth through skill development. Skill India Mission has been launched to empower the rural youth and promote better employment opportunities across the country.

The National Skill Development Agency (NSDA), an autonomous body under MSDE operationalizes the National Skill Qualification Framework (NSQF) and allied quality assurance mechanism for synergizing skill initiatives in the country.

The NSDA has approved **108 Qualification Packs (QPs)** developed by Agriculture Skill Council of India (ASCI) in agriculture and allied areas for conducting skill trainings for rural youth and farmers in compliance with NSQF. The list of QPs is given in **Annexure - I**.

ASCI has imparted training to **90209 rural youth and farmers** through **3004 skill training courses** conducted since **2014-15 to 2018-19** (till date). The area-wise list of training courses is given in **Annexure – II**.

The Ministry of Agriculture & Farmers' Welfare has been organizing the skill training courses of minimum 200 hours duration for rural youth and farmers through National Training Institutes, State Level Training Institutes (SAMETIs), Krishi Vigyan Kendras and State Agricultural Universities. During last three years **(2016-17 & 2018-19), 7141 rural youth and**

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farmers were trained through **356 skill training courses**, out of which **1219 rural youth** were trained in the areas of food products, fruits and vegetables through **68 training courses**.

The Centrally Sponsored Scheme '**Mission for Integrated Development of Horticulture (MIDH)**', under implementation **since 2014-15** provides for setting up of pack house, integrated pack house with facilities for conveyer belt, sorting, grading units, washing, drying and weighing units, pre-cooling unit, cold room (staging), mobile cooling unit, cold storage with different capacity, refrigerated transport vehicles, primary/mobile/minimal processing unit, ripening chamber, evaporative /low energy cool chamber, preservation unit, low cost onion storage structure, Pusa zero energy cool chamber, and integrated cold chain supply System, so that farmers can get remunerative prices for their produce and enable them to increase their income.

The Ministry of Food Processing Industries (MOFPI) has formulated a Scheme for Human Resources and Institution – Skill Development (SHRISD) under the Central Sector Scheme 'Pradhan Mantri Kisan Sampada Yojana' for a period coterminous with the 14th Finance Commission cycle. The guidelines of the Scheme were issued by MOFPI on 05/10/2018. Applications have been invited from eligible institutions.

The objective of the scheme is to create a pool of skilled workforce in different domain of food processing industries and to promote entrepreneurship development in rural areas.

Two Institutes under the administrative control of MoFPI, namely, National Institute of Food Technology Entrepreneurship and Management (NIFTEM) at Sonapat, Haryana and Indian Institute of Food Processing Technology at Thanjavur, Tamil Nadu are imparting B.Tech., M.Tech. and Ph.D. degrees. Besides this, they are also conducting regular programmes/courses on skill development and entrepreneurship for the youth, farmers, self-help groups and industry to create skilled workers/entrepreneurs.

Under village adaption programme of NIFTEM, B.Tech. (Food Tech. & Management) and M. Tech. and M.B.A. students participate in groups and stay in villages. The village (which includes rural farmers) gain scientific and technical knowledge through students, who promote future possibilities of food processing among them.

Qualification Packs in Agriculture & Allied Areas Developed by Agriculture Skill Council of India & Approved by National Skill Qualification Committee (as on 30.11. 2018)

S. No.	Job Role	QP Code	NSQF Level
	Soil Health Management		
1.	Soil Sampler/collector	AGR/Q8104	3
2.	Soil & Water Testing Lab Analyst	AGR/Q8103	5
3.	Soil & Water Testing Lab Assistant	AGR/Q8102	4
	Agri Information Management		
4.	Agriculture Field Officer	AGR/Q7701	4
5.	Agriculture Extension Executive	AGR/Q7602	6
6.	Agriculture extension service provider	AGR/Q7601	4
7.	Community Service Provider	AGR/Q7802	4
	Agri Crop Production		
8.	Sugarcane Cultivator	AGR/Q0203	4
9.	Cotton Cultivator	AGR/Q0202	4
10.	Soyabean Cultivator	AGR/Q0201	4
11.	Pulses Cultivator	AGR/Q0104	4
12.	Maize Cultivator	AGR/Q0103	4
13.	Wheat Cultivator	AGR/Q0102	4
14.	Paddy Farmer	AGR/Q0101	4
15.	Organic Grower	AGR/Q1201	4
	Agri Entrepreneurship & Rural Enterprises		
16.	Group Farming Practitioner	AGR/Q7806	4
	Amenity Horticulture & Landscaping		
17.	Assistant gardener	AGR/Q0804	3
18.	Gardener	AGR/Q0801	4
19.	Nursery worker	AGR/N0807	3
	Animal Husbandry		
20.	Animal Health Worker	AGR/Q4804	3
21.	Artificial Insemination Technician	AGR/Q4803	3
22.	Veterinary Clinical Assistant	AGR/Q4802	5
23.	Veterinary Field Assistant	AGR/Q4801	5
	Dairy Farm Management		
24.	Dairy Worker	AGR/Q4102	2
25.	Dairy Farmer - Entrepreneur	AGR/Q4101	4
	Farm Mechanization & Precision Farming		
26.	Custom Hiring Service Provider	AGR/Q1112	5
27.	Agriculture Machinery Repair and Maintenance Service Provider	AGR/Q1111	5
28.	Farm Workshop/Service Manager	AGR/Q1110	6
29.	Farm Workshop Foreman/Supervisor	AGR/Q1109	5
30.	Tractor Mechanic	AGR/Q1108	4
31.	Agriculture Machinery Demonstrator	AGR/Q1107	5

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32.	Service and Maintenance Technician-Farm Machinery	AGR/Q1106	4
33.	Operator-Reaper Thresher and Crop Residue Machinery	AGR/Q1105	4
34.	Irrigation Service Technician	AGR/Q1104	4
35.	Agriculture Machinery Operator	AGR/Q1103	4
36.	Harvesting Machine Operator	AGR/Q1102	4
37.	Tractor operator	AGR/Q1101	4
38.	Greenhouse Operator	AGR/Q1003	3
39.	Micro irrigation technician	AGR/Q1002	4
40.	Green house fitter	AGR/Q1001	4
41.	Solar Pump Technician	AGR/Q6701	4
	Fisheries		
42.	Aquaculture Fabricator	AGR/Q5110	4
43.	Feed technician	AGR/Q5109	4
44.	Aquarium Technician	AGR/Q5108	4
45.	Fisheries extension associate	AGR/Q5107	3
46.	Fishing Equipment Technician (Electronics)	AGR/Q5106	4
47.	Fishing Gear Technician	AGR/Q5105	4
48.	Fish Retailer	AGR/Q5104	3
49.	Fishing Boat Mechanic	AGR/Q5103	4
50.	Fishing Boat Maintenance Worker	AGR/Q5102	3
51.	Fishing Boat Deckhand	AGR/Q5101	4
52.	Inland Capture Fisherman cum Primary Processor	AGR/Q5003	4
53.	Fishing Boat Driver	AGR/Q5002	4
54.	Marine capture fisherman cum Primary Processor	AGR/Q5001	4
55.	Hatchery Manager	AGR/Q4912	6
56.	Aquatic Animal Health Lab Assistant	AGR/Q4911	4
57.	Ornamental Fish Technician	AGR/Q4910	4
58.	Mariculture operator	AGR/Q4909	4
59.	Fish Seed Grower	AGR/Q4908	5
60.	Crab farmer	AGR/Q4907	4
61.	Brackishwater Aquaculture Farmer	AGR/Q4906	4
62.	Freshwater Aquaculture Farmer	AGR/Q4905	4
63.	Aquaculture worker	AGR/Q4904	3
64.	Aquaculture Technician	AGR/Q4903	5
65.	Shrimp farmer	AGR/Q4902	4
66.	Hatchery Production worker	AGR/Q4901	3
67.	Pearl culture technician	AGR/N4913	4
	Forestry & Agroforestry		
68.	Bamboo Grower	AGR/Q6101	4
	Other Allied		
69.	Mushroom Grower	AGR/Q7803	4
70.	Bare Foot Technician	AGR/Q7801	4
71.	Beekeeper	AGR/Q5301	4
72.	Sericulturist	AGR/Q5201	4
73.	Vermicompost Producer	AGR/Q1203	4

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74	Climate Change & Risk Mitigation Manager	AGR/Q6501	7
	Post-harvest Supply Chain Management		
75	Packhouse Worker	AGR/Q7503	3
76	Warehouse Worker	AGR/Q7502	3
77	Supply Chain Field Assistant	AGR/Q7501	4
	Poultry Farm Management		
78	Chick sexing & grading technician	AGR/Q4403	4
79	Hatchery operator	AGR/Q4402	3
80	Hatchery Incharge_Poultry	AGR/Q4401	5
81	Layer farm worker	AGR/Q4307	3
82	Small poultry farmer	AGR/Q4306	4
83	Poultry feed, food safety and labelling supervisor	AGR/Q4305	5
84	Poultry shed designer	AGR/Q4304	6
85	Poultry farm manager	AGR/Q4303	7
86	Broiler Farm Worker	AGR/Q4302	3
87	Broiler Farm Supervisor	AGR/Q4301	5
	Production Horticulture		
88	Floriculturist - Protected cultivation	AGR/Q0702	4
89	Floriculturist - Open cultivation	AGR/Q0701	4
90	Coriander Cultivator	AGR/Q0602	4
91	Chillies Cultivator	AGR/Q0601	4
92	Neera Technician	AGR/Q0505	3
93	Friends of Coconut Tree	AGR/Q0504	3
94	Coconut Grower	AGR/Q0503	4
95	Tea plantation worker	AGR/Q0502	2
96	Coffee plantation worker	AGR/Q0501	2
97	Tuber crop cultivator	AGR/Q0403	4
98	Solanaceous crop cultivator	AGR/Q0402	4
99	Bulb crop cultivator	AGR/Q0401	4
100	Makhana Grower cum Processor (Options: Processing/ Products Preparation)	AGR/Q0306	4
101	Citrus fruit grower	AGR/Q0303	4
102	Mango grower	AGR/Q0302	4
103	Banana Farmer	AGR/Q0301	4
	Seeds Industry		
104	Seed plant production supervisor	AGR/Q7105	5
105	Seed processing plant technician	AGR/Q7104	4
106	Seed analysis in charge	AGR/Q7103	5
107	Seed Processing Worker	AGR/Q7102	3
108	Quality Seed Grower	AGR/Q7101	4

**Skill Training Courses Conducted by Agriculture Skill Council of India on
Cereals, Pulses and Horticultural Crops
(from 2014-15 to 2018-19 as on date)**

S.No.	Job Role	Training Courses (No.)	Candidates Trained (No.)
1.	Banana Farmer	482	14499
2.	Citrus fruit Grower	5	154
3.	Mango Grower	68	2057
4.	Coconut Grower	9	256
5.	Bamboo Grower	22	684
6.	Mushroom Grower	81	2444
7.	Chillies Cultivator	13	403
8.	Coriander Cultivator	1	20
9.	Bulb Crop Cultivator	12	345
10.	Solanaeous Crop Cultivator	657	19721
11.	Tuber Crop Cultivator	138	4150
12.	Paddy farmer	945	28378
13.	Wheat Cultivator	75	2257
14.	Maize Cultivator	51	1520
15.	Pulses Cultivator	180	5388
16.	Soybean Cultivator	224	6716
17.	Sugarcane Cultivator	41	1217
	Total	3004	90209
