

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

LOK SABHA
UNSTARRED QUESTION NO. 526
TO BE ANSWERED ON THE 19TH DECEMBER, 2017

MISSION FOR INTEGRATED DEVELOPMENT OF HORTICULTURE

526. SHRI DEVJI M. PATEL:
SHRI RAHUL KASWAN:

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

- (a) the salient features of the Mission for integrated development of horticulture along with the facilities being provided under this scheme;
- (b) the criteria being adopted to include a district/development block under the Mission;
- (c) the number of districts/blocks included under the Mission, State-wise including Rajasthan;
- (d) the details of the horticulture crops likely to be included under the said Mission along with the details of the guidelines issued regarding producer-consumer relations, State-wise;
- (e) whether any infrastructural units have been set up for crop management after harvesting in various States of the country under the Mission and if so, the details thereof;
- (f) whether any steps have been taken by the Government to bring innovation and variation in respect of growing of fruits, vegetables, flowers and other horticultural crops in non-conventional areas in view of change in climate; and
- (g) if so, the details thereof along with the achievements made under the Mission, State-wise including Rajasthan?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

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

(a): Mission for Integrated Development of Horticulture (MIDH) is a Centrally Sponsored Scheme which is implemented w.e.f. 2014-15. Main aim of MIDH is holistic growth of the horticulture sector covering fruits, vegetables, root and tuber crops, mushrooms, spices, flowers, aromatic plants, coconut, cashew, cocoa and bamboo. MIDH subsumed ongoing Missions/schemes of the Ministry- National Horticulture Mission (NHM), Horticulture Mission for North East & Himalayan States (HMNEH), National Agro-forestry Bamboo Mission (NABM), National Horticulture Board (NHB), Coconut Development Board (CDB) and Central Institute for Horticulture (CIH), Nagaland. All States/UTs are covered under MIDH.

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Under MIDH, financial & technical assistance is provided to States/UTs for following major interventions/activities:

- Setting up of nurseries, tissue culture units for production of quality seed and planting material.
- Area expansion i.e. Establishment of new orchards and gardens for fruits, vegetables, and flowers.
- Rejuvenation of unproductive, old, and senile orchards.
- Protected cultivation, i.e. poly-house, green-house, etc, to improve the productivity & grow off season high value vegetables and flowers.
- Organic farming and certification.
- Creation of water resources structures and watershed management.
- Bee-keeping for pollination.
- Horticulture Mechanization.
- Creation of Post Harvest Management and Marketing infrastructure.

(b): For inclusion of district under MIDH, a cluster approach for developing potential horticultural crops for ensuring backward and forwarded linkages was adopted. The selection of the district was decided on the comparative advantage of crops based on agro climatic conditions and potential for developing marketing opportunities.

(c): State-wise details of the total number of districts included under MIDH (including Rajasthan) are at **Annexure I**.

(d): Under MIDH scheme, assistance is provided for promotion of fruit crops like Almond, Aonla, Apple, Apricot, Banana, Ber, Cherry, Citrus, Custard Apple, Fig, Grapes, Guava, Kiwi, Litchi, Mango, Papaya, Passion Fruit, Peach, Pear, Pineapple, Plum, Pomegranate, Sapota, Strawberry, Walnut. Assistance is also provided for promotion of hybrid vegetables and flowers under the mission. The detailed guidelines of the scheme are available on website i.e. www.midh.gov.in.

The producer consumer relationship is driven by demand and supply principle and there are no specific guidelines in this regard.

(e): Under MIDH, credit linked back ended subsidy is available for creation of post harvest infrastructures like Cold Storage, Pack Houses, ripening chamber, onion storage etc. The State wise details of these infrastructures units are at **Annexure II**.

(f) & (g): In order to face the challenges in the wake of climate change; Indian Council for Agricultural Research (ICAR) has taken steps to mitigate the effect of climate change on crops and has implemented a project name National Innovations in Climate Resilient Agriculture (NICRA). The major objectives of NICRA are as under:

- (i) To enhance the resilience of Indian agriculture covering crops, livestock and fisheries to climatic variability and climate change through development and application of improved production and risk management technologies.

- (ii) To demonstrate site specific technology packages on farmers' fields for adapting to current climate risks.
- (iii) To enhance the capacity of scientists and other stakeholders in climate resilient agricultural research and its application.

The Major achievements of the NICRA are as under:

- (i) Selection of promising crop genotypes and livestock breeds with greater tolerance to climatic stress.
- (ii) Existing best practices for climate resilience demonstrated in 100 vulnerable districts.
- (iii) Infrastructure at key research institutes for climatic change research strengthened. Adequately trained scientific man power to take up climate change research in the country and empowered farmers to cope up with climate variability.

Major achievements made under the Mission, State-wise including Rajasthan is at **Annexure III**.

Statement showing State wise Districts covered under MIDH

Sl. No.	Name of States/UTs	No. of Districts*
1	Andaman & Nicobar	Two (2)
2	Andhra Pradesh	Eleven (11)
3	Bihar	Twenty Three (23)
4	Chhattisgarh	Nineteen (19)
5	Dadra & Nagar Haveli	One (1)
6	Delhi	One (1)
7	Goa	Two (2)
8	Gujarat	Fifteen (15)
9	Haryana	Eighteen (18)
10	Jharkhand	Seventeen (17)
11	Karnataka	Thirty (30)
12	Kerala	Fourteen (14)
13	Lakshadweep	One (1)
14	Maharashtra	Thirty Three (33)
15	Madhya Pradesh	Thirty Nine (39)
16	Odisha	Twenty Four (24)
17	Punjab	Eighteen (18)
18	Puducherry	Four (4)
19	Rajasthan	Twenty Four (24)
20	Tamil Nadu	Twenty (20)
21	Telangana	Nine (9)
22	Uttar Pradesh	Forty Five (45)
23	West Bengal	Fourteen (14)
24	Arunachal Pradesh	Twenty One (21)
25	Assam	Thirty Three (33)
26	Manipur	Sixteen (16)
27	Meghalaya	Eleven (11)
28	Mizoram	Eight (8)
29	Nagaland	Eleven (11)
30	Sikkim	Four (4)
31	Tripura	Four (4)
32	Himachal Pradesh	Twelve (12)
33	Jammu & Kashmir	Twenty Two (22)
34	Uttarakhand	Thirteen (13)
Total		Five Hundred Thirty Nine (539)

* Subsequent to identification of districts for MIDH implementation, some of the MIDH districts were bifurcated/merged.

State wise details of Post Harvest Management infrastructures under MIDH:

(Unit: In Nos.)

S. No.	State	Cold Storage		Ripening Chamber	Pack house	Integrated pack house	Low Cost onion storage structure (25 MT)
		No.	Capacity (MT)				
1	Andhra Pradesh	67	401304	60	1353	1	26
2	Bihar	29	153233	0	67	0	488
3	Chhattisgarh	13	65349	0	2702	0	462
4	Delhi				0	0	0
5	Goa			2	0	0	0
6	Gujarat	379	1812523	55	1557	32	6
7	Haryana	60	201226	8	614	5	239
8	Jharkhand	5	29775	1	1018	1	2
9	Karnataka	16	61942	43	3275	53	1180
10	Kerala			0	36	0	0
11	Madhya Pradesh	71	320083	2	1202	1	951
12	Maharashtra	67	167597	72	3806	1	1698
13	Odisha	73	263300	4	1535	0	2462
14	Puducherry				0	0	0
15	Punjab	180	624707	17	510	5	2
16	Rajasthan	27	115390	14	358	3	4338
17	Tamilnadu	1	6000	0	351	3	462
18	Telangana	56	332598	23	98	0	0
19	Uttar Pradesh	287	1528355	20	209	0	109
20	West Bengal	55	278649	2	9	0	143
21	Arunachal Pradesh				16	0	0
22	Assam				25	0	0
23	Manipur	1	1600		187	7	0
24	Meghalaya				460	0	0
25	Mizoram				12	0	0
26	Nagaland				217	0	0
27	Sikkim	1	100		30	0	0
28	Tripura				7	0	0
29	Himachal Pradesh	29	54805	1	229	40	0
30	Jammu and Kashmir	10	47207		422	1	0
31	Uttarakhand	11	24050		181	1	0
	Grand Total	1438	6489793	324	20486	154	12568

Source: Data based on NHM/HMNEH portal from 2005-06 to 2017-18 (upto 30.11.2017)

State-wise major achievements made under MIDH:

S. No.	NHM States	Area Expansion	Rejuvenation	Protected Cultivation	Organic Farming	Nursery	Water Resources	Post Harvest Management	Market
		ha.	ha.	ha.	ha.	Nos.	Nos.	Nos.	Nos.
1	Andaman & Nicobar	1599	150	26	454	30	0	0	0
2	Andhra Pradesh	254587	169325	18054	9815	160	2994	1840	14
3	Bihar	58557	1115	4186	1245	90	621	638	50
4	Chhattisgarh	232724	4745	45909	22147	140	6648	29033	108
5	Goa	10226	5075	29	1425	9	0	2	0
6	Gujarat	140599	3974	16337	7997	70	268	2051	270
7	Haryana	78256	2377	3998	13540	65	3816	1047	527
8	Jharkhand	144200	320	4869	16592	146	972	2991	6
9	Karnataka	234378	39151	11087	19519	493	8304	7308	811
10	Kerala	199352	89505	349	17450	328	912	109	186
11	Madhya Pradesh	155653	21617	16474	10407	184	902	2319	18
12	Maharashtra	272316	123405	16458	6177	151	15247	6474	19
13	Odisha	213607	3672	29739	25069	221	7564	7979	69
14	Puducherry	2205	0	21	0	4	0	0	0
15	Punjab	43199	10765	1671	7300	6	534	689	64
16	Rajasthan	151761	5428	8531	8408	135	3135	4905	19
17	Tamil Nadu	314521	40510	7935	12758	188	455	828	190
18	Telangana	14839	8363	3838	0	6	188	305	0
19	Uttar Pradesh	159817	11488	7224	30240	124	167	644	13
20	West Bengal	69832	8520	1917	6790	172	793	182	19
21	Delhi	267	0	241	3	10	0	0	0
22	Arunachal Pradesh	88547	15001	508	7830	129	1545	27	142
23	Assam	88321	16265	2272	1750	176	3823	28	54
24	Manipur	74638	7244	2632	740	77	3063	194	39
25	Meghalaya	51975	3254	692	976	260	2329	708	15
26	Mizoram	94589	12509	758	5198	48	7176	632	108
27	Nagaland	93950	5926	413	4667	208	3631	501	229
28	Sikkim	78561	6958	626	25203	196	2485	33	54
29	Tripura	77617	7537	806	1614	209	5128	7	3
30	Himachal Pradesh	40699	0	629	1126	92	3797	193	5
31	Jammu & Kashmir	35735	16206	80	1607	275	4041	447	15
32	Uttarakhand	82194	13218	1212	3329	101	3265	203	37
	Total	3559322	653622	209521	271377	4503	93803	72317	3084

Source: Data based on NHM/HMNEH portal (as on 06.12.2017)
