

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

**LOK SABHA**  
**UNSTARRED QUESTION No. 3124**  
TO BE ANSWERED ON 22<sup>nd</sup> MARCH, 2022

**PROMOTING INNOVATION**

3124. SHRI RAJIV PRATAP RUDY:

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

- a) whether the Government has any schemes for promoting innovation and entrepreneurship ventures in the field of agriculture and allied activities in the country and if so, the details thereof;
- b) whether the Government has studied the market size and growth potential for agriculture startups in India and if so, the details thereof;
- c) the details of agricultural startups in the country, State/UT-wise including in Bihar; and
- d) the details of the number of patents, Geographic Indicators and copyrights filed in our agricultural sector, State/UT-wise including Bihar?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) This Ministry has been implementing a programme called “Innovation and Agri-Entrepreneurship Development” under Rashtriya Krishi Vikas Yojana (RKVY-RAFTAAR) since 2018-19 with an objective to promote innovation and agri-entrepreneurship by providing financial support and nurturing the incubation ecosystem. Under this programme, start-ups are encouraged to use innovative technologies to resolve challenges faced in the agriculture and allied sectors. Five Knowledge Partners (KPs) as Centres of Excellence and twenty four RKVY-RAFTAAR Agribusiness Incubators (R-ABIs) have been appointed from across the country for implementation this programme. List of KPs and R-ABIs is enclosed at Annexure-I.

Besides, the Indian Council of Agriculture Research (ICAR) has been supporting Agri-based startups under the project called National Agriculture Innovation Fund (NAIF) initiated in year 2016-2017. It has two components viz. I. Innovation Fund; II. Incubation Fund and National Coordinating Unit (NCU).

(b) This Ministry has not conducted any study on market size and growth potential for agriculture startups in India.

(c) Under “Innovation and Agri-Entrepreneurship” programme, funds are released to KPs and R-ABIs and not state-wise. KP and RABI wise number of selected start-ups funded under this programme including Bihar Agriculture University , Sabour (R-ABI) is enclosed at Annexure-II.

(d) Total 1377 patents and 273 copyrights are filed by ICAR institutes in the agriculture sector pan India including Bihar. State wise patents and copyrights filed by ICAR are enclosed at Annexure- III and IV respectively. 120 Geographic Indicators (GIs) in agriculture items have been registered with the Office of the Controller General of Patents, Designs & Trade Marks (CGPDTM) under the Department for Promotion of Industry and Internal Trade. A list of registered GIs agriculture items is enclosed at Annexure-V.

## Annexure-I

### List of Knowledge Partners (KPs) and RKVY-RAFTAAR Agribusiness Incubators (R-ABIs)

#### Knowledge Partners (KPs):

- 1) National Institute of Agricultural Extension Management (MANAGE), Hyderabad.
- 2) National Institute of Agricultural Marketing (NIAM) Jaipur.
- 3) Indian Agricultural Research Institute (IARI) Pusa, New Delhi.
- 4) University of Agriculture Science, Dharwad, Karnataka.
- 5) Assam Agriculture University, Jorhat, Assam.

#### RKVY-RAFTAAR Agribusiness Incubators (R-ABIs)

- 1) Chaudhary Charan Singh University, Hisar, Haryana
- 2) CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur, Himachal Pradesh
- 3) IIT-BHU, Varanasi, Uttar Pradesh
- 4) Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh
- 5) ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly, Uttar Pradesh
- 6) Punjab Agricultural University, Ludhiana, Punjab
- 7) Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh
- 8) Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu
- 9) IIM, Kashipur, Uttarakhand
- 10) Kerala Agricultural University, Thrissur, Kerala
- 11) ICAR-Indian Institute of Millets Research, Hyderabad, Telangana
- 12) Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu
- 13) Agri innovation and entrepreneurship cell, ANGRAU, Andhra Pradesh
- 14) National Rice Research Institute, Cuttack, Odisha
- 15) S K N Agriculture University, Jobner, Rajasthan
- 16) Indian Institute of Technology Kharagpur, West Bengal
- 17) Bihar Agricultural University, Bhagalpur, Bihar
- 18) Anand Agricultural University, Anand, Gujarat
- 19) ICAR-Central Institute for Research on Cotton Technology, Mumbai, Maharashtra
- 20) Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra
- 21) National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI), Bengaluru, Karnataka
- 22) College of Fisheries, Lembucherra, Tripura
- 23) Department of Veterinary Medicine College of Veterinary Sciences & Animal Husbandry, Aizawl, Mizoram
- 24) College of Horticulture & Forestry, Pasighat, Arunachal Pradesh

## Annexure-II

Number of startups funding under Innovation and Agri-Entrepreneurship programme of RKVY-RAFTAAR

S.N.	Knowledge Partners (KPs)	no. of startups
1	Indian Agricultural Research Institute (IARI) Pusa, New Delhi	50
2	National Institute of Agricultural Marketing(NIAM) Jaipur,	39
3	National Institute of Agricultural Extension Management (MANAGE), Hyderabad (Cohort-I)	59
4	Assam Agriculture University (AAU) , Assam	29
5	University of Agriculture Science , Dharwad (Cohort-I)	49
	<b>RKVY-RAFTAAR Agribusiness Incubators (R-ABIs)</b>	
1	Chaudhary Charan Singh University, Hisar, Haryana	27
2	CSK Himachal Pradesh Krishi Vishwavidyalaya, Himachal Pradesh	18
3	Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh	44
4	IIM, Kashipur, Uttarakhand	37
5	IIT-BHU, Varanasi, Uttar Pradesh	35
6	ICAR-Indian Veterinary Research Institute, Bareilly, Uttar Pradesh	25
7	Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh	23
8	Punjab Agricultural University, Ludhiana, Punjab	30
9	Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu & Kashmir	14
10	College of Fisheries, Lembucherra, Tripura	6
11	College of Veterinary Sciences & Animal Husbandry, Mizoram	9
12	College of horticulture and forestry, Arunachal Pradesh	8
13	S K N Agriculture University, Jobner, Rajasthan	22
14	ICAR-Indian Institute of Millets Research, Hyderabad, Telangana (Cohort-I)	66
15	Kerala Agricultural University, Thrissur, Kerala	29
16	Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu	28
17	Agri innovation and entrepreneurship cell, ANGRAU, Andhra Pradesh	25
18	ICAR-Central Institute for Research on Cotton Technology, Mumbai	26
19	Anand Agricultural University, Anand, Gujarat	12
20	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra	19
21	National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI), Bengaluru	16
22	National Rice Research Institute, Cuttack, Odisha	32
23	Indian Institute of Management (IIT), Kharagpur, West Bengal	4
24	Bihar Agricultural University, Bhagalpur, Bihar	18
	<b>TOTAL ( for all KPs and RABIs)</b>	<b>799</b>

**Annexure -III****State wise distribution of Patents filed by ICAR Institutes**

<b>S No</b>	<b>Name of State</b>	<b>Patent Filed</b>
1	A&N Islands	7
2	Andhra Pradesh	9
3	Bihar	2
4	Delhi	254
5	Goa	5
6	Gujarat	12
7	Haryana	170
8	Himachal Pradesh	27
9	Jammu and Kashmir	1
10	Jharkhand	13
11	Karnataka	84
12	Kerala	140
13	Madhya Pradesh	45
14	Maharashtra	121
15	NEH Region	28
16	Odisha	27
17	Punjab	76
18	Rajasthan	34
19	Tamil Nadu	35
20	Telangana	24
21	Uttar Pradesh	179
22	Uttarakhand	9
23	West Bengal	75
<b>Total</b>		<b>1377</b>

**Annexure-IV****State wise distribution of Copyrights filed by ICAR Institutes**

<b>S No</b>	<b>State Wise</b>	<b>Copyrights Filed</b>
1	Andhra Pradesh	8
2	Assam	7
3	Delhi	88
4	Goa	2
5	Haryana	11
6	Himachal Pradesh	4
7	Jammu and Kashmir	1
8	Jharkhand	2
9	Kerala	9
10	Madhya Pradesh	16
11	Maharashtra	20
12	Nagaland	3
13	Orissa	3
14	Rajasthan	4
15	Sikkim	5
16	Tamil Nadu	1
17	Telangana	29
18	Uttarakhand	11
19	Uttar Pradesh	48
20	West Bengal	1
<b>Total</b>		<b>273</b>

## Annexure-V

### Registration details of Geographical Indications ( agriculture item)

S. No	Geographical Indications	Goods (As per Sec 2 (f) of GI Act 1999 )	State
1	Coorg Orange	Agricultural	Karnataka
2	Mysore Betel leaf	Agricultural	Karnataka
3	Nanjanagud Banana	Agricultural	Karnataka
4	Mysore Malligae	Agricultural	Karnataka
5	Udupi Malligae	Agricultural	Karnataka
6	Hadagali Malligae	Agricultural	Karnataka
7	Navara Rice	Agricultural	Kerala
8	Palakkadan Matta Rice	Agricultural	Kerala
9	Malabar Pepper	Agricultural	(Kerala, Karnataka & Tamilnadu)
10	Allahabad Surkha Guava	Agricultural	Uttar Pradesh
11	Alleppey Green Cardamom	Agricultural	Kerala & Tamilnadu
12	Coorg Green Cardamom	Agricultural	Karnataka
13	Eathomozhy Tall Coconut	Agricultural	Tamil Nadu
14	Pokkali Rice	Agricultural	Kerala
15	Malda Laxman Bhog Mango	Agricultural	West Bengal
16	Malda Khirsapati (Himsagar) Mango	Agricultural	West Bengal
17	Malda Fazli Mango	Agricultural	West Bengal
18	Naga Mircha	Agricultural	Nagaland
19	Nilgiri (Orthodox)	Agricultural	Tamil Nadu
20	Assam (Orthodox)	Agricultural	Assam
21	Virupakshi Hill Banana	Agricultural	Tamil Nadu
22	Sirumalai Hill Banana	Agricultural	Tamil Nadu
23	Mango Malihabadi Dusseheri	Agricultural	Uttar Pradesh
24	Vazhakulam Pineapple	Agricultural	Kerala
25	Devanahalli Pomello	Agricultural	Karnataka
26	Appemidi Mango	Agricultural	Karnataka
27	Kamalapur Red Banana	Agricultural	Karnataka
28	Guntur Sannam Chilli	Agricultural	Andhra Pradesh
29	Mahabaleshwar Strawberry	Agricultural	Maharashtra
30	Central Travancore Jaggery	Agricultural	Kerala
31	Wayanad Jeerakasala Rice	Agricultural	Kerala
32	Wayanad Gandhakasala Rice	Agricultural	Kerala
33	Nashik Grapes	Agricultural	Maharashtra
34	Byadagi Chilli	Agricultural	Karnataka
35	Gir Kesar Mango	Agricultural	Gujarat
36	Bhalia Wheat	Agricultural	Gujarat
37	Udupi Mattu Gulla Brinjal	Agricultural	Karnataka
38	Ganjam Kewda Flower	Agricultural	Odisha
39	Madurai Malli	Agricultural	Tamil Nadu
40	Bangalore Blue Grapes	Agricultural	Karnataka
41	Kalanamak Rice	Agricultural	Uttar Pradesh
42	Kaipad Rice	Agricultural	Kerala

43	Kolhapur Jaggery	Agricultural	Maharashtra
44	Nagpur Orange	Agricultural	(Maharashtra & Madhya Pradesh)
45	Bangalore Rose Onion	Agricultural	Karnataka
46	Naga Tree Tomato	Agricultural	Nagaland
47	Arunachal Orange	Agricultural	Arunachal Pradesh
48	Sikkim Large Cardamom	Agricultural	Sikkim
49	Mizo Chilli	Agricultural	Mizoram
50	Assam Karbi Anglong Ginger	Agricultural	Assam
51	Tripura Queen Pineapple	Agricultural	Tripura
52	Chengalikodan Nendran Banana	Agricultural	Kerala
53	Tezpur Litchi	Agricultural	Assam
54	Khasi Mandarin	Agricultural	Meghalaya
55	Kachai Lemon	Agricultural	Manipur
56	Memong Narang	Agricultural	Meghalaya
57	Basmati	Agricultural	(Punjab / Haryana / Himachal Pradesh / Delhi / Uttarkhand / Uttar Pradesh / Jammu & Kashmir)
58	Ajara Ghansal Rice	Agricultural	Maharashtra
59	Mangalwedha Jowar	Agricultural	Maharashtra
60	Sindhudurg & Ratnagiri Kokum	Agricultural	Maharashtra
61	Waghya Ghevada	Agricultural	Maharashtra
62	Navapur Tur Dal	Agricultural	Maharashtra
63	Vengurla Cashew	Agricultural	Maharashtra
64	Lasalgaon Onion	Agricultural	Maharashtra
65	Sangli Raisins	Agricultural	Maharashtra
66	Beed Custard Apple	Agricultural	Maharashtra
67	Jalna Sweet Orange	Agricultural	Maharashtra
68	Uttarakhand Tejpat	Agricultural	Uttarakhand
69	Waigaon Turmeric	Agricultural	Maharashtra
70	Purandar Fig	Agricultural	Maharashtra
71	Jalgaon Bharit Brinjal	Agricultural	Maharashtra
72	Solapur Pomegranate	Agricultural	Maharashtra
73	Bhiwapur Chilli	Agricultural	Maharashtra
74	Ambemohar Rice	Agricultural	Maharashtra
75	Dahanu Gholvad Chikoo	Agricultural	Maharashtra
76	Jalgaon Banana	Agricultural	Maharashtra
77	Marathwada Kesar Mango	Agricultural	Maharashtra
78	Joha Rice of Assam	Agricultural	Assam
79	Banaganapalle Mangoes	Agricultural	(Telangana & Andhra Pradesh)
80	Gobindobhog Rice	Agricultural	West Bengal
81	Tulapanji Rice	Agricultural	West Bengal
82	Nilambur Teak	Agricultural	Kerala
83	Bhagalpuri Zardalu	Agricultural	Bihar
84	Katarni Rice	Agricultural	Bihar
85	Magahi Paan	Agricultural	Bihar
86	Boka Chaul	Agricultural	Assam



87	Alphonso	Agricultural	Maharashtra
88	Shahi Litchi of Bihar	Agricultural	Bihar
89	Sangli Turmeric	Agricultural	Maharashtra
90	Himachali Kala Zeera	Agricultural	Himachal Pradesh
91	Sirsi Supari	Agricultural	Karnataka
92	Erode Manjal (Erode Turmeric)	Agricultural	Tamil Nadu
93	Marayoor Jaggery (Marayoor Sharkara)	Agricultural	Kerala
94	Jeeraphool	Agricultural	Chhattisgarh
95	Kandhamal Haladi	Agricultural	Odisha
96	Kodaikanal Malai Poondu	Agricultural	Tamil Nadu
97	Gulbarga Tur Dal	Agricultural	Karnataka
98	Tirur Betel Leaf (Tirur Vettila)	Agricultural	Kerala
99	Khola Chilli	Agricultural	Goa
100	Kaji Nemu	Agricultural	Assam
101	Chokuwa Rice of Assam	Agricultural	Assam
102	Chak - Hao	Agricultural	Manipur , Nagaland
103	Kashmir Saffron	Agricultural	Jammu & Kashmir
104	Sojat Mehndi	Agricultural	Rajasthan
105	Judima	Agricultural	Assam
106	Balaghat Chinnor	Agricultural	Madhya Pradesh
107	Kuttiattoor Mango (Kuttiattoor Manga)	Agricultural	Kerala
108	Harmal Chilli	Agricultural	Goa
109	Edayur Chilli	Agricultural	Kerala
110	Munsyari Razma	Agricultural	Uttarakhand
111	Myndoli Banana	Agricultural	Goa
112	Kumaon Chyura Oil	Agricultural	Uttarakhand
113	Rataul Mango	Agricultural	Uttar Pradesh
114	Tamenglong Orange	Agricultural	Manipur
115	Kanniyakumari Clove	Agricultural	Tamil Nadu
116	Hathei Chilli	Agricultural	Manipur
117	Naga Cucumber	Agricultural	Nagaland
118	Mahoba Desawari Pan	Agricultural	(Uttar Pradesh and Madhya Pradesh)
119	Mizo Ginger	Agricultural	Mizoram
120	Dalle Khursani	Agricultural	(Sikkim and West Bengal)

Source: Office of Controller General of Patents , Design & Trade Marks , DPIIT

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