

# Zonal Agri-News

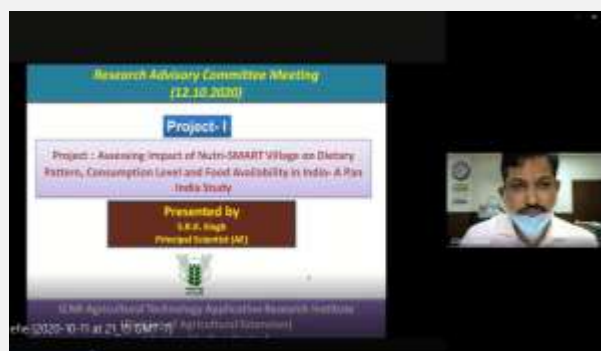
(A Newsletter from Zone IX)

Vol.12. No.3

October- December, 2020

## Research Advisory Committee Meeting of ICAR-ATARI Jabalpur, (Zone IX) and ICAR-ATARI, Pune (Zone VIII)

The ICAR-ATARI, Jabalpur, Madhya Pradesh organized Research Advisory Committee meeting of ICAR-ATARI Jabalpur (Zone IX) and Pune (Zone VIII) on 12<sup>th</sup> October 2020. Dr. Anupam Mishra, Director ICAR-ATARI, Jabalpur welcomed the RAC Chairmen Dr. P. Das (Former DDG), Dr. A.K. Singh, DDG (AE) and RAC members Dr. K.M. Bujarbaruah Former VC, AAU, Assam, Dr. Rajinder Parshad, Former ADG (AE), Dr. Pramod Kumar Joshi, Former Director-South Asia, IFPRI, Dr. Debi Prasad Ray, Former VC, OUAT, Bhubaneswar, Dr. Randhir Singh, ADG (AE) and Dr. Chandre Gowda, M.J. Principal Scientist and Member Secretary RAC. The inaugural address was given by Dr. A.K. Singh, DDG (AE), ICAR, New Delhi and described in detail about eight thematic areas for national level study. During the inaugural address in meeting the DDG (AE) indicated that while the problems specific to each zone may be taken up by the ATARIs and their scientists, there are certain issues of national importance in which the interventions of the Division of Agricultural Extension of ICAR are quite huge and we have been able to make considerable visible changes both at the level of system as well as at the ground level. ICAR-ATARI Jabalpur and ICAR ATARI, Pune presented four and two projects respectively in front of RAC members. In total 32 participants joined in the Virtual RAC Meeting. Total 34 participants attend this Programme.



## Mahila Kisan Diwas

Mahila Kisan Diwas was organized on 15<sup>th</sup> October, 2020. A total of 81 KVKs conducted programme. On this occasion scientists of KVK interacted with farm women and discussed on recent issues & work done by farm women and their contribution in Agriculture. During this programme competition of painting, rangoli making and essay writing was

organized and distributed prizes to the winner of competition. In the programme total 4095 women farmers and students were present.

State	No. of KVK	Number of participants
Madhya Pradesh	53	2866
Chhattisgarh	28	1229
<b>Total</b>	<b>81</b>	<b>4095</b>



### **Webinar on the occasion of World Food Day and 75th Anniversary of FAO**

Webinar on the occasion of World Food Day was organized on 16 October, 2020. A total of 80 KVKs conducted programme. KVK scientists attended the VC of PM on the occasion of 75 years of Food and Agriculture Organisation (FAO). The main aim of the programme is to raise awareness and to gather greater support and understanding to the approaches that can help to end food hunger. In the programme total 2157 farmers and extension personnel were participated in the pogramme and benefited by the scientist about the changing food habit, nutritive food and save food.

State	No. of KVK	Number of KVK Staff Registered	Number of Farmers Registered	Number of Twitted	Total Number of Participants
Madhya Pradesh	53	362	1174	85	1536
Chhattisgarh	27	177	444	51	621
<b>Total</b>	<b>80</b>	<b>539</b>	<b>1618</b>	<b>136</b>	<b>2157</b>



### **Online Review Meeting on Impact of Nutri SMART Villages**

An online review meeting was organized on 23 October, 2020 by ICAR-ATARI to interact with the home scientist/scientist of KVKs of Madhya Pradesh and Chhattisgarh regarding impact of Nutri-SMART Village. Dr. S.R.K. Singh, Director (Acting) and Dr. A.A. Raut, Scientist, ATARI, Jabalpur reviewed the work carried out in Nutri-SMART Villages of Madhya Pradesh and Chhattisgarh. Total 74 participants attend this Meeting.

### **Online Webinar on Farm Bill Awareness**

The online webinar was conducted on 29 October, 2020 by ICAR-ATARI, Jabalpur on Farm bill awareness in which all 82 KVKs of Madhya Pradesh and Chhattisgarh participated. The webinar organized to create awareness about farm bill among farmers and showing beneficial aspects of farm bill to the farmers by organizing series of webinars/seminars and

also discussion with the farmers for further improvement in farm bills for benefit of farming community. Total 100 participants attend this programme.

### **Visit of Director, ATARI, Zone-IX, Jabalpur at KVK, Guna**

Dr. S.R.K. Singh Visited KVK on dated 05.11.2020 and he appreciated the KVK work and also suggested for betterment of activities to be undertaken in Rabi 2020-21. Dr. Singh taken a meeting with all staff of KVKs and discuss their issues and he suggested their solution.



### **Online Meeting "Interaction of ATARI Jabalpur with CoPI of Gender and Nutrition Project"**

An online meeting was organized on 03 November, 2020 by ICAR-ATARI, Jabalpur to interact with Co-PIs of Gender and Nutrition Project from other ATARI's. Dr. Randhir Singh Poswal, ADG, ICAR New Delhi, Dr. Lakhan Singh Director, ATARI Pune, Dr. S.R.K. Singh, Director (A.), Dr. D. Bardhan, Principal Scientist, Dr. A.A. Raut Scientist, ATARI Jabalpur and Co-PIs of the Gender and Nutrition Project from Other ATARIs were presented. Dr. S.R.K. Singh, Director (Acting) and Project In-charge of Gender and Nutrition Project at National level presented project proposal and discussed about activities to be carried out in the project. Dr. Randhir Singh Poswal, ADG, ICAR New Delhi provided valuable suggestions for enhancement of the project activities. Further, all the Co-PIs discussed about the project activities and provide suggestions for improvements.

### **Visit of Hon'able Shri Harsh Yadav Ji, MLA, Deori at KVK Sagar –II, Bijora**

The seed distribution was organized 05 November, 2020 in the presence of Hon'able Shri Harsh Yadav Ji, MLA, Deori at KVK Sagar –II, Bijora. He advocated for the productivity enhancement of Pulses and oilseed crops in the area. The demonstrations on improved varieties of Lentil (L 4727, RVL 31, IPL 316 given by ICARDA were conducted by KVK Sagar-II in 25 ha area in 6 villages of Deori block.



### **Special Meeting of the Research Advisory Committee of ICAR ATARIs**

The special meeting of the RAC meeting of ATARIs hosted by ATARI Kanpur was conducted on 6<sup>th</sup> -7<sup>th</sup> Nov. 2020 through virtual mode under the Chairmanship of Dr. P. Das, Former DDG (AE) and Chairmen RAC. All the members of RAC Dr. K.M. Bujarbaruah, Former VC, AAU, Assam, Dr. Rajinder Parshad, Former ADG (AE), Dr. Pramod Kumar Joshi, Former Director-South Asia, IFPRI, Dr. Debi Prasad Ray, Former VC, OUAT, Bhubaneswar, Dr. Randhir Singh, ADG (AE) were present. Dr. Chandre Gowda, M.J. Principal Scientist and Member Secretary RAC welcomed the Hon'ble Chairman and the Members of the RAC, Dr. A.K. Singh, DDG (AE), Directors of ATARIs, CoPIs from HQ, PIs and CoPIs from all the ATARIs and other participating Scientists. Dr. A.K. Singh, DDG (AE), in his inaugural address recalled the appreciation being accorded to the KVKs and the ATARIs by the government in several forums at the national level. He expressed confidence that the eight national projects on important thematic areas will succeed in properly documenting and reflecting the contribution of KVKs in a much better and systematic way. Dr. P. Das briefly narrated the purpose of the meeting called specifically to discuss the eight national level mega projects. The PIs of the all eight mega projects present proposals to RAC committee for observation and recommendation. Dr. S.R.K. Singh, Acting Director, ATARI Jabalpur present proposal on Gender and Nutrition mega project.

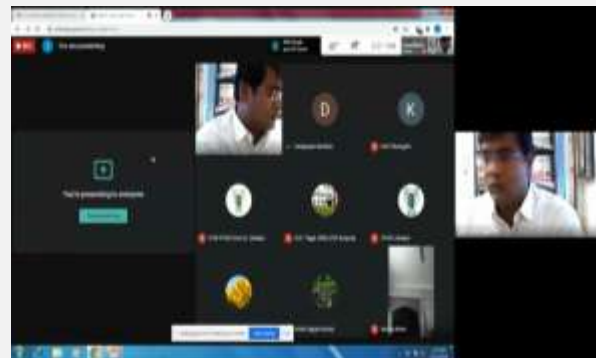
### **Online Meeting “Review of Progress on Fisheries”**

The ICAR-ATARI, Zone-IX, Jabalpur conducted the Review Workshop of Result of Fisheries of 2019 and activity/results of 2020 presented by the concerned Scientists of KVKs of Madhya Pradesh and Chhattisgarh on 21/11/2020. Total 49 participants attend this workshop.



### Online Meeting "Review of Progress on Animal Husbandry"

The ICAR-ATARI, Zone-IX, Jabalpur conducted the Review Workshop of Result of Animal science of 2019 and activity/results of 2020 presented by the concerned Scientists of KVKs of Madhya Pradesh and Chhattisgarh on 23/11/2020. Total 55 participants attend this workshop.



### Celebration of Constitution Day

ICAR-Agricultural Technology Application Research Institute celebrated constitution day on November 26, 2020. On the occasion the staff of the institute including Scientific, technical, administrative and project staff participated in the programme of Constitution day read out the 'Preamble of the Constitution' as part of the function.



## Online Meeting "Review of progress on Horticulture"

Review meeting on "Progress of Horticulture" was held on online platform by ICAR-ATARI, Jabalpur (MP) on December 2, 2020. The meeting was attended by Heads and scientists of KVKs, DES of JNKVV, Jabalpur, RVSKV Gwalior and IGKV, Raipur and was headed by Director ATARI, Dr. SRK Singh. In the meeting, KVKs's presented their Progress Report of 2019-20 consisting of total number of OFT and FLD's conducted by them. Also, they discussed about the Trainings conducted for Farmer, Farm women and rural youth. Further, they presented Action Plan of 2020-21, Horticulture Based Intervention at DFI Village and Horticulture Based Intervention at NSV. The meeting was emphasized on specially increasing the farmers income, increasing the area under horticultural crops, application of Indigenous technology Knowledge for Insect, Pest & management, use of High yielding Varieties and insect pest resistant varieties, increasing the keeping quality of outputs, nursery raising with pro-stray, etc.

## World Soil Health Day Celebration in ICAR-ATARI, Jabalpur

World Soil Health Day 2019 was celebrated on December 5, 2020 in 81 KVKs of ATARI Jabalpur in Madhya Pradesh and Chhattisgarh. Exhibitions were organized by KVKs on this occasion including distribution of soil health card, displaying seeds, planting materials and various soil health conservation technologies etc. KVKs received support from other line departments of State governments in organizing of World Soil Health Day Programme.

Name of State	No of KVKs	No. of Participating Hon'ble Union Ministers	No. of Participating Hon'ble State Ministers	No. of Participating Hon'ble MPs	No. of Participating MLAs	No. of Participating Senior Officers	No. of Participating Farmers	Total number of the participants
Madhya Pradesh	53	0	1	2	5	438	2959	3405
Chhattisgarh	28	0	0	0	17	268	1158	1443
<b>Total</b>	<b>81</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>22</b>	<b>706</b>	<b>4117</b>	<b>4848</b>





### **Programme on Swachata Pakhwada at ICAR-ATARI, Jabalpur**

*Swachata Pakhwada* was celebrated during December 16-31, 2020 at ICAR-ATARI, Jabalpur and KVKs in Zone. All the staff members took 'Swachata pledge' to devote some time for *Swachh Bharat Abhiyan*. Various activities like organizing cleanliness drive, sanitation campaign, *Swachata* awareness rallies, digitization of office records/e-office implementation, disposing of old and junk material, technology demonstrations on agricultural technologies for conversion of waste to wealth, safe disposal of all kinds of wastes were conducted with participation of staff and farmers. Experience sharing on *Swachata* initiatives by farmers and civil society officials, campaign on cleaning of sewerage & water lines, awareness on recycling of waste water etc.

### **Review workshop on Agriculture Engineering**

**17 Dec 2020**

Review meeting on "Agriculture Engineering" was held on online platform by ICAR-ATARI, Jabalpur, M.P. on December 17, 2020. The meeting was attended by Heads and scientists of KVKs, Dr R.K.Nema, Dean College of Agril. Eng. JNKVV, Jabalpur, Dr. (Mrs) Om Gupta, Director Extension Services, JNKVV, Jabalpur, Dr. S.N. Upadhyay, Director Extension Services, RVSKW, Gwalior, Dr. S.C. Mukherjee, Director Extension Services, IGKV, Raipur and was headed by Dr. SRK Singh, Director (Acting) ATARI, Jabalpur, Dr. C. R. Mehta, Director, ICAR-CIAE, Bhopal and Dr. A.A. Raut, Scientist, ATARI, Jabalpur. In the meeting, KVKs's presented their Progress Report of 2019-20 consisting of total number of OFT and FLD's conducted by them. Also, they presented Action Plan of 2020-21. Total 39 participants attend this workshop.

### **Review workshop on Agronomy**

Review meeting on "Agronomy" was held on online platform by ICAR-ATARI, Jabalpur, M.P. on December 18, 2020. The meeting was attended by Heads and scientists of KVKs, Dr. R.K.S.Tomar, Joint Director of Extension services, RVSKV, Gwalior and was headed by Dr. SRK Singh, Director (Acting) ATARI, Jabalpur, Dr. S.D. Billore, Principal Scientist (Agronomy), IISR, Indore, and Dr. Rakesh Kumar Verma, Scientist (Agronomy), IISR, Indore and Dr. A.A. Raut, Scientist, ATARI, Jabalpur. In the meeting, KVKs's presented their Progress Report of 2019-20 consisting of total

number of OFT and FLD's conducted by them. Also, they presented Action Plan of 2020-21. Total 53 participants attend this workshop.

### **Visit of MP Shri Rajbahadur Singh at KVK Sagar**

Farmer's day celebrated on 23 December 2020 at KVK, Sagar under guidance of Dr. K.S.Yadav, Senior Scientist & Head. Various lectures delivered on topics like wise "Care and management of milch animals, Disease management in gram, Integrated Pest Management in lentil and Scientific Management of cabbage'. Approximately 170 farmers and farm women visited KVK on farmer's day. Dignitary visited KVK on farmer day is Honorable Member of Parliament Shri Raj Bhadur Singh and he addressed farmers on the recent technique of cropping pattern of crops, on organic farming. He suggested to created Farmers Producer Organization(FPO) for earning more income. The farmer's day was co-organized by Abhoyadaya Sansthan, Sagar. Shri Sompal Ray, DDH, DDA, Shri Prajapati; and ADA (ATMA) Jitendra Singh Rajput also participated in the programme. Dr. M.P. Dubey, DR. Ashish Tripathi (KVK-Deori), Dr. Smita Tripathi and Dr. Pyasi also participated in the programme. Technical help and support by Dr. Vivekin Pachauri, Dr Mamta Singh, Dr. O.P. Bharti, Dr. Vaishali Sharma, and Dr. Neha Sharma. In the end of programme Dr K S Yadav given vote of thanks to all participants & officers.



### **Farmer FIRST Programme under ATARI, Jabalpur**

Farmer FIRST project is operational at seven centres under ATARI Jabalpur. During October-December, 2020 under crop based module, 537.11 ha area covered in 32 villages and 1638 households benefitted, under horticulture based module 56.74 ha area covered and 800 plants of Moringa by 795 household were covered, under natural resource management, 529.28 ha area covered and 1350 households benefitted, under livestock based module total 390 Animal, 26 goat, 1135 poultry and 247 households benefitted and 19 kg fingerlings distributed to 19 farmers, under enterprise based module, four units of mushroom production, three units of azolla production, eight units of beekeeping, ten units of kadaknath chicks,

eight units of vermi-compost were established and 137 Palas Plants brooded by lac and 251 households benefitted, under IFS module, 108.44 ha area covered and 70 households benefitted. Under capacity building programmes, 377 farmers were benefitted in 16 villages and under extension activities, 31 activities performed and 667 farmers were benefitted. Under ICT based module, 2813 messages delivered and 5459 telephonic calls and 22280 household benefitted in 32 Farmer FIRST project villages.



### **Technology Demonstration Component under NICRA by KVKs**

- Under Natural Resources Management Module, a total of 444 farmers benefitted covering area of the 301.70 ha area in all activities were conducted focusing on in-situ moisture conservation, Soil test based nutrient application and Pitcher irrigation, Vermi-compost making etc.
- Under Crop Production module, a total of 1459 farmers benefitted and covered 628.32 ha area focused on drought tolerant varieties, Short duration varieties, Crop diversification, Integrated crop management etc. on Wheat, Mustard, Barley and vegetable crops.
- Under Livestock and fisheries module, a total of 609 farmers benefitted through covering 1585 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 6.4 ha area were covered.
- Under Institutional interventions, in custom hiring through various implements - Rotavator, multi crop thresher and seed drill, etc. 993 farmers were benefitted and it covered 450.20 ha. area.
- Under Capacity Building, total 58 training courses were organized benefiting 1532 participating farmers.
- As Extension Activity, a total of 121 activities were organized benefiting 2180 farmers.



### **Cluster Demonstrations of Rabi Oilseeds 2020-21 under NFSM**

Under CFLD on oilseeds during Rabi season 2020-21 in Madhya Pradesh state, mustard crop demonstrated in 640 ha area with 1525 demonstrations in 28 KVKs by using line sowing, improved variety and full package of practices technologies. Similarly linseed crop demonstrated in 325 ha area with 808 demonstrations in 15 KVKs by using improved variety with seed treatment, line sowing with STV based bio-fertilizer.

In Chhattisgarh state, mustard crop demonstrated in 643 ha area with 1381 demonstrations in 23 KVKs by using major technology line sowing, seed treatment with improved variety. Similarly in linseed 360 ha area with 714 demonstrations in 16 KVKs laid out using line sowing, seed treatment technology. In Groundnut, 38 ha area conducted with 95 demonstration in 2 KVKs and safflower 50 ha area with 104 demonstration in 2KVKs conducted using line sowing with improved variety.



### **Cluster Demonstrations of Rabi Pulses 2020-21 under NFSM**

In Madhya Pradesh, under CFLD on Pulses during *rabi* season 2020-21, chickpea crop was demonstrated in 768 ha area with 1884 demonstrations by 44 KVKs by using line sowing, improved variety and full package of practices. Further, 50 ha area with 123 demonstrations was covered under crop fieldpea by 04 KVKs using improved variety, line sowing and seed treatment with Rhizobium, PSB and Trichoderma. Similarly, Lentil was demonstrated in 40 ha area with 100 demonstrations in 03 KVKs by using improved variety, seed treatment by carboxin + thirum & biofertilizers, STV based fertilizer application, line sowing and full package of practices.

Similarly, in state Chhattisgarh, 244 ha area with 482 demonstrations was covered under crop Chickpea by 18 KVKs using technologies like seed treatment, line sowing with seed drill, sprinkler irrigation, HYV + Line sowing with balance dose of fertilizer & treatment with biofertilizer & IPM. Similarly, in crop Fieldpea, 145 ha area with 325 demonstrations by 11 KVKs was laid out using line sowing, broadcasting, improved variety, seed treatment with Trichoderma, Rhizobium, PSB, STCR based fertilizer management and line sowing. In Lathyrus, 180 demonstrations were conducted in 88 ha area by 8 KVKs. Further, crop Lentil was demonstrated in 30 ha area with 58 demonstrations by 3 KVKs using line sowing and seed treatment with biofertilizers and crop pigeonpea was demonstrated in 10 ha area with 13 demonstrations by only 1 KVK.



### Kisan Mobile Advisory

Kisan Mobile Advisories in various thematic area in agriculture, horticulture, animal husbandry, fisheries, enterprise, home science weather are regular sent by KVKs to farmers in Madhya Pradesh and Chhattisgarh. More than two million farmers were covered through mobile advisories by 74 KVKs through 912 messages comprising the subjects of crop, soil, livestock, farm mechanization, home science, marketing, awareness etc. in the Zone IX during October to December, 2020. All KVKs under this institute are using mkisan portal for sending their mobile advisory. All the mobile network of villages in Madhya Pradesh and Chhattisgarh are connected through KMA.

State	No. of village covered	No. of farmers Covered	No. of Messages (Text)	Topic of messages								
				Crop	Soil	Livestock	Weather	Marketing	Farm Mechanization	Home Science	Awareness	Other enterprise
M.P.	46602	3233507	622	292	43	40	120	15	7	26	30	49
C.G.	16510	1245703	290	160	20	27	27	1	4	8	10	33
<b>Total</b>	<b>63112</b>	<b>4479210</b>	<b>912</b>	<b>452</b>	<b>63</b>	<b>67</b>	<b>147</b>	<b>16</b>	<b>11</b>	<b>34</b>	<b>40</b>	<b>82</b>

## Director's Desk

Dear Colleagues,

The ICAR-Agricultural Technology Application Research Institute (ATARI), Jabalpur is entrusted responsibility of coordination and monitoring of technology application and frontline extension education programs through Krishi Vigyan Kendras (KVKs) in Madhya Pradesh and Chhattisgarh.



The ICAR-ATARI, Jabalpur, Madhya Pradesh organized Research Advisory Committee meeting of ICAR-ATARI Jabalpur (Zone IX) and Pune (Zone VIII) on 12th October 2020. The inaugural address was given by Dr. A.K. Singh, DDG (AE), ICAR, New Delhi and described in detail about eight thematic areas for national level study. ICAR-ATARI Jabalpur and ICAR ATARI, Pune presented four and two projects respectively in front of RAC members. Mahila Kisan Diwas was organized on 15th October, 2020. A total of 81 KVKs conducted programme. On this occasion scientists of KVK interacted with farm women and discussed on recent issues & work done by farm women and their contribution in Agriculture. Webinar on the occasion of World Food Day was organized on 16 October, 2020. The main aim of the programme is to raise awareness and to gather greater support and understanding to the approaches that can help to end food hunger.

An online review meeting was organized on 23 October, 2020 by ICAR-ATARI to interact with the home scientist/scientist of KVKs of Madhya Pradesh and Chhattisgarh. The online webinar was conducted on 29 October, 2020 by ICAR-ATARI, Jabalpur on Farm bill awareness in which all 82 KVKs of Madhya Pradesh and Chhattisgarh participated. Visited KVK on dated 05.11.2020 and he appreciated the KVK work and also suggested for betterment of activities to be undertaken in Rabi 2020-21. An online meeting was organized on 03 November, 2020 by ICAR-ATARI, Jabalpur to interact with Co-PIs of Gender and Nutrition Project from other ATARI's. Dr. Randhir Singh Poswal, ADG, ICAR New Delhi provided valuable suggestions for enhancement of the project activities. The seed distribution was organized 05 November, 2020 in the presence of Hon'able Shri Harsh Yadav Ji, MLA, Deori at KVK Sagar –II, Bijora. The special meeting of the RAC meeting of ATARIs hosted by ATARI Kanpur was conducted on 6th -7th Nov. 2020 through virtual mode. Dr. A.K. Singh, DDG (AE), in his inaugural address recalled the appreciation being accorded to the KVKs and the ATARIs by the government in several forums at the national level. The ICAR-ATARI, Zone-IX, Jabalpur conducted the Review Workshop of Result of Fisheries of 2019 and activity/results of 2020 presented by the concerned Scientists of KVKs of Madhya Pradesh and Chhattisgarh on 21/11/2020. Organized Review Workshop of Animal science by the concerned Scientists of KVKs of Madhya Pradesh and Chhattisgarh on 23/11/2020. ICAR-Agricultural Technology Application Research Institute celebrated constitution day on November 26, 2020. Review meeting on "Progress of Horticulture" was held on online platform by ICAR-ATARI, Jabalpur (MP) on December 2, 2020. World Soil Health Day 2019 was celebrated on December 5, 2020 in 81 KVKs of ATARI Jabalpur in Madhya Pradesh and Chhattisgarh. Swachata Pakhwada was celebrated during December 16-31, 2020 at ICAR-ATARI, Jabalpur and KVKs in Zone. Review meeting on "Agriculture Engineering" was held on online platform by ICAR-ATARI, Jabalpur, M.P. on December 17, 2020. Review meeting on "Agronomy" was held on online platform by ICAR-ATARI, Jabalpur, M.P. on December 18, 2020. Hon'ble MP Shri Raj Bhadur Singh visited KVK Sagar on farmer day and he addressed farmers on the recent technique of cropping pattern of crops, on organic farming. TSP is operational in 14 KVKs located in tribal region of Madhya Pradesh and Chhattisgarh. Under NICRA various climate resilient activities under the modules of natural resources, crop production, livestock and fisheries, institutional interventions, capacity building and extension activities are being carried out in 12 KVKs.

I sincerely thank the editorial team for their efforts in bringing out this issue of Newsletter.

### Published By:

Director, ICAR-Agricultural Technology Application Research Institute, Zone IX, Jabalpur, (M.P.)

### Editorial Board:

**Dr. S. R. K. Singh**, Director (Acting)

**Dr. Dwaipayan Bardhan**, Principal Scientist (Agril.Eco.), **Dr A. A. Raut**, Scientist (AE)