

PROCEEDING



ANNUAL ZONAL WORKSHOP 2020 of Krishi Vigyan Kendras

ICAR- Agricultural Technology Application Research Institute, Kolkata

Zone - V



Proceedings of two days virtual Annual Zonal Workshop 2020 for the KVKs under ICAR-ATARI Kolkata held at ATARI Kolkata on July 1-2, 2020



A two-day Annual Zonal Workshop for 59 KVKs of ICAR-ATARI Kolkata consisting the states of Odisha, West Bengal and Union Territory of A&N Islands was conducted through video conferencing at ICAR-ATARI Kolkata on 01-02.07.2020. The workshop was inaugurated by the Hon'ble Minister of State for Agriculture and Farmers' Welfare, Sh Kailash Chaudhury in the presence of Secretary, DARE and DG, ICAR, Dr. T. Mahapatra; DDG (AE), Dr. A. K. Singh; ADG (AE), Dr. R. Singh; Vice-Chancellors of Universities- Dr. P. K. Agarwal from OUAT, Bhubaneswar; Swamiji Atmapriyanandaji from RKMVERI, Belur Math; Dr. C. Chottopadhyay from UBKV; Directors of ATARIs- Dr. S. K. Roy from Kolkata; Dr. A. Mishra from Jabalpur, Dr. A. Singh from Kanpur; Dr. A. Kumar from Patna; Ex-Director of ICAR-ATARI Kolkata and DEE of RLBCAU, Jhansi- Dr. S. S. Singh; Dean and Directors of Extension Education-Prof. L. M. Garnayak from OUAT, Bhubaneswar; Prof. P. K. Paul from UBKV, Pundibari; Prof. M. Pramanik from BCKV, Mohanpur and Prof. A. Goswami from WBUAFS, Belgachhia; Swami Viswamayandaji from KVK Murshidabad, Sargachhi and Swami Sadananda Maharajji from KVK Nimpith, South 24 Parganas. Scientists from ICAR-ATARI Kolkata, Senior Scientists and Heads (SSH) of 59 KVKs, SMSs from KVKs, Senior Research Fellows (SRFs) and Data Entry Operators (DEOs) of various projects from ATARI Kolkata and many others also were present in the virtual workshop. Dr. F. H. Rahman, PS, ATARI Kolkata coordinated the inaugural session of virtual workshop. Dr. K. S. Das, PS, ATARI Kolkata was appointed as rapporteur for the session. After a brief welcome, Dr. S.K. Roy, Director (In-Charge), ICAR-ATARI, Kolkata presented the achievements of this zone during last one year.

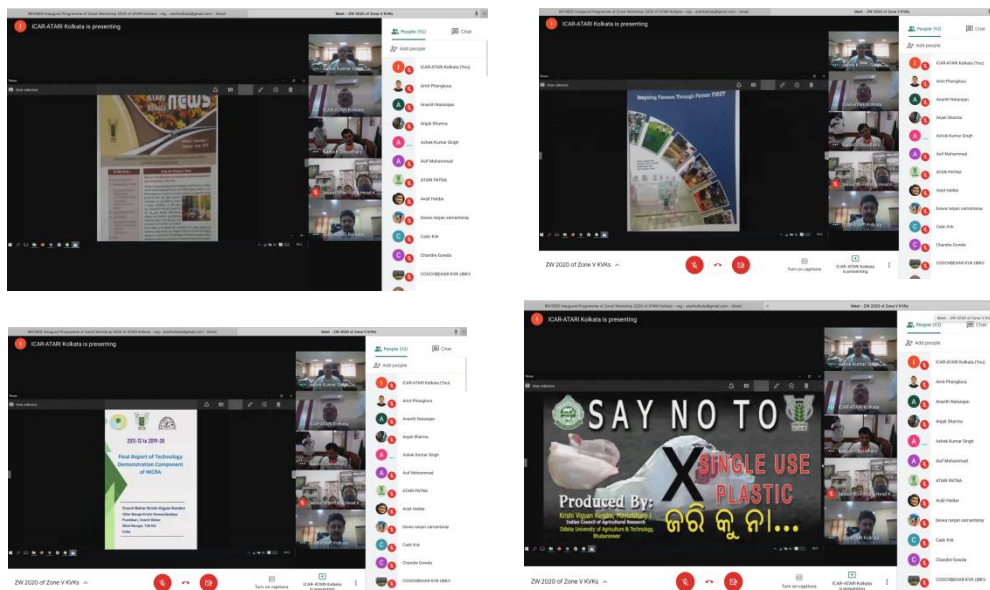


While addressing during the inaugural programme, D. P. K. Agarwal appreciated the performance of the KVKs who are continuously working for farming community in bringing out tangible changes in agriculture in the districts. He highlighted that under COVID-19 pandemic situations, KVKs including scientists and officers from OUAT, Bhubaneswar did excellent job in the field of crop harvesting, seed production, marketing of farmers' produce, agri-entrepreneurship development and so on. 'The KVKs transferred latest agricultural technologies to the farmers' field in a very efficient manner', he added.

Swami Atmapriyanandaji started his address with the prayer and showed his concern for current sudden/ uncertain COVID-19 situations. He pointed out that during this situation agriculture operation and production were badly affected. But, KVKs are doing wonderful job for the farmers. He suggested that farmers might be empowered through Mobile Apps. The Subject Matter Specialist of KVKs could play important role in developing Apps with the consultation of concerned persons and also to communicate the farmers.

Dr. T. Mohapatra pointed out that KVKs are continuously working under the guidance of ICAR and did excellent job in communicating advisories to the farmers at every corner of the states during crop harvesting under COVID-19 pandemics in different languages. He also focused on the developing Integrated Farming Systems (IFS) particularly the role of horticultural crops, developing and using saline and deserted lands for agricultural production, implementing various updated technologies in the KVK adopted villages in respect of Doubling Farmer's Income (DFI) by the year 2022.

Some publications like '*Krishi Kalyan Abhiyan: Towards agricultural development in Aspirational districts*', '*Inspiring farmers through Farmer FIRST*', '*ICAR-ATARI Kolkata News*', '*NICRA Newsletter*' etc. were released during the occasion.



In his inaugural address, Sh. Kailash Chaudhury appreciated the performance of KVKs for successfully conducting various activities during last few years as well as during COVID-19 Pandemic situations. It was evident from his address that KVK had become a centre of problem solving for agricultural farmers in the district w.r.t. plants/animals/ fishes disease diagnostics, implementation of various Govt. Schemes/ Yojanas etc. He highlighted the need and formation of FPOs in every district for the benefit of farmers and the role of KVKs on that issue. Sh. Chaudhury urged upon ‘One district one crop’, ‘Per drop more crop’, ‘Farmer FIRST Programme’, replication of climate resilient technologies in climate vulnerable districts, developing IFS and cultivating medicinal plants in KVKs and villages, contract farming, Doubling Farmers Income, youth training through ATMA and so on. He urged the scientists of KVKs to be a part of ‘Atmanirbhor Bharat’ and to increase the linkages with farming community.

The inaugural session ended with the vote of thanks by Dr. A. Haldar, Principal Scientist, ICAR-ATARI, Kolkata.

Common Session:

After inaugural programme, one common session for all KVKs was organized under the Chairmanship of Dr. A. K. Singh, DDG (AE), New Delhi to discuss various issues of KVKs. The Directors of other ATARIs, Dean and Directors of Extension Education of concerned Universities; Heads of some host organizations; SSH and SMSs of 59 KVKs of this Zone; Scientists, SRFs and DEOs from ATARI Kolkata and many others joined online.



Dr. C. Chottopadhyay put forth salient achievements and awards won by the KVKs under UBKV, Pundibari and requested the concerned authorities to provide service and retirement benefits for all KVK staff.

Swami Sadananda Maharajji from KVK Nimpith, South 24 Parganas also showed his deep concern for the Amphan cyclone affected farmers in South 24 Parganas district and sought for all kinds of helps from the higher authorities for them.

Dr. L. M. Garnayak drew the attention of the dignitaries for successful implementation of various programmes of Central Govt. i.e. CFLD on Pulse and Oilseed, TSP, KKA, NICRA-TDC, ARYA, Seed Hub, CSISA, SCSP, GKRA etc. including State Govt. by all the KVKs in Odisha. He also expressed his deep concern about the service benefits of KVK staffs in the state.

In his address, Dr. A. Goswami highlighted the devastating situations of agricultural farmers caused by Amphan cyclone which recently hit the coastal districts of West Bengal and Odisha. He requested the concerned higher authorities to look into the matter so that farmers could get help from Govt. He praised the KVK staff in implementing different agro-advisories during COVID-19 Pandemic conditions. He also raised the issue of service matter for KVK staff in West Bengal.

Swami Viswamayanandaji from KVK Murshidabad, Sargachhi also pointed out different problems faced by their KVK during COVID-19 in conducting training programmes. He requested to the concerned authorities to sanction some big budget special projects so that their newly established KVK could conduct more activities for rural youths, farmers and women relating to agriculture.

Prof. P. Pal and Prof. M. Pramanik both appreciated the role of KVKs in helping farmers under COVID-19 situations and also in holistic agricultural development in the state. They also showed their concern on service related matters of KVKs.

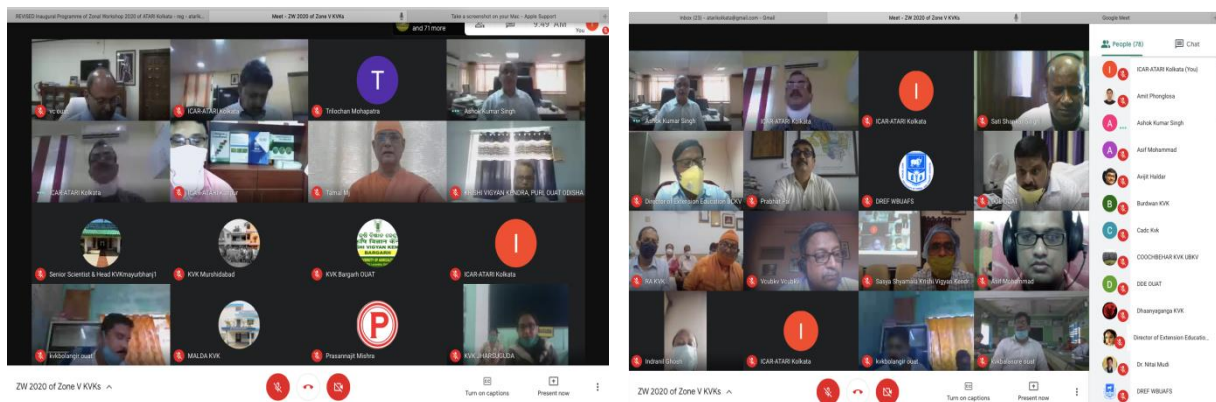
Dr. S. S. Singh started his address with the request to the highest authority to kindly settle long pending issue of KVKs on service benefits and implementation of 7th CPC at the earliest. He stressed upon the infrastructure development in KVKs and strengthening KVKs for the benefit of farmers in the district. Cyclone affected KVKs of West Bengal and Odisha need special attention, he added.

While addressing in this session, Dr. Atar Singh emphasized the role of KVKs on the production of good quality seeds with soil test based fertilizer applications. The technologies came out from NICRA project e.g. short duration varieties, salt and draught tolerant varieties etc. should be applied in rice fallow areas to increase food grain production.

Dr. Anjani Kumar expressed his views in highlighting various mandated activities assigned to the KVKs and proper implementation of large number of Govt. sponsored programmes in Bihar, Jharkhand and other states. All KVKs are doing splendid jobs in their districts.

In his address, Dr. A.K. Singh, DDG (AE), ICAR showed his concern for recently held *Amphan* cyclone which damaged KVKs of West Bengal and Odisha state in various ways, and assured the KVKs to provide them support from the Council to repair those damages. He emphasized upon the development of agro-tourism in KVKs, harnessing fish production in the

state of Odisha and West Bengal, quality seed and planting materials production, increasing poultry chick production, improving processing, value addition and marketing of agricultural produces. He clarified the role and commitments of ICAR on post service benefits for KVK staff. Dr. Singh also urged about the successful implementation of Garib Kalyan RojgarAbhiyan(GKRA) in the zone. The training for migratory workers should be conducted adopting all COVID-19 precautionary measures.



This session ended with the formal vote of thanks to the Chair.

Technical Session

The technical session started with a brief welcome address by Director, ICAR-ATARI, Kolkata. He urged upon all the chairpersons and co-chairpersons to critically evaluate the presentation of KVKs and suggest appropriate guidelines for betterment of farming community.



The technical session was followed after common session held on the first day. It was conducted in three concurrent sessions i.e. Group-A, Group-B and Group-C for two consecutive days. In each group, Achievements of KVKs during the year 2019-20 and Action Plan for the year 2020-21 were discussed in details in those sessions.

Group-A

Chairman:

Prof. L.M. Garnayak, DEE, OUA, Bhubaneswar

Co-Chairmen:

Dr. S.K. Mondal, PS, ATARI- Kolkata

Dr. F.H.Rahman, PS, ATARI -Kolkata

Dr. N.J. Maitra, DDR, WBUAFS, Kolkata

Rapporteurs:

Dr.(Mrs.) B. Satpathy, SSH, KVK Angul, Odisha

Dr. S. Sarkar, SSH, KVK Uttar Dinajpur, West Bengal

Smt. J. Basak, SRF, ATARI-Kolkata

In this session, a total of 20 KVKs i.e. 3 KVKs from A & N Islands, 10 KVKs from Odisha and 7 KVKs from West Bengal presented their achievements and action plan. The KVK wise recommendations are given below.

Andaman & Nicobar Islands

KVK Port Blair

- Minimum 2500 farmers in a year should be trained for various capacity building trainings.

KVK N & M Andaman

- On farm trial conducted on preparation of protein and fibre enriched herbal biscuits should be clarified for its standardization.
- The feasibility of FYM and Goat manure as a source of organic nitrogen to be relooked into for conducting OFT in rice.
- The details of revolving fund should be shown in the presentation. The KVK revolving fund should be tallied with the report sent to ATARI office.

KVK Car Nicobar

- The virtual dais appreciated the efforts of KVK personnel despite of remoteness of KVK.

Odisha

KVK Angul

- Minimum no. of farmers for capacity building training and no. of soil samples tested in a year for each KVK should be 2500 and 250, respectively
- Proper utilization of fund in *PashuArogayaYogana* (expenditure was too less than amount of fund provided) was suggested. The replacement of slow growing Mrigal with Amur Carp in composite pisciculture could be up-scaled.

KVK Bhadrak

- Upscaling of Amur Carp in composite pisciculture was suggested.
- Matching the target and achievements regarding number of participant farmers for training (2500 in no.) and number of soil sample tested (250 in no.) were suggested.

KVK Ganjam- I

- The SSH was suggested to increase the area of administrative building and to increase the number of soil sample tested
- It was also suggested to improve the presentation quality in the workshop.

KVK Deogarh

- The horizontal expansion of Kharif tomato cultivation without any marketing problem, done by the KVK, was very much appreciated.
- Capacity building training for minimum 2500 farmers in one year was mandatory for each KVK. They were also suggested that considering the COVID-19 situations, majority of migrant labourers who were skilled or semiskilled, could be trained in agricultural activities to increase their efficiency as well as farm yields.

KVK Jajpur

- Assessment of different trellis in bitter melon for higher production, conducted by the KVK including assessment of liming dose in garden pea for increasing productivity was praise worthy and needed to be replicated in other neighbouring districts.
- Training target should be fulfilled as per ICAR guidelines.
- Increasing of planting materials production up to 2 lakhs was suggested.

KVK Kalahandi

- OFTs especially on IPM module for fall army worm in maize as assessed by KVK should be replicated in further affected areas of the district, and assessment of different oil cakes as feed supplement in CB cows should be refined with addition of salt and oil cakes.
- The work done by the KVK for Seed Hub-Pulses was appreciated.
- It was highlighted the doubling of farmers income through cultivating upland pigeon pea.
- The utilization of revolving fund for farm development, mechanization and demo units could be carried out with the approval from ATARI Kolkata office and from host organization.

KVK Jharsuguda

- Good endeavor of KVK was appreciated by the committee members of the session and for ranking 4th Best KVK in Odisha.

KVK Malkangiri

- The prospect of inland fishery in the district was enquired and assessed by the committee members and suggested to collaborate and converge with line department of state to increase fish production.
- The activities related to livestock especially backyard poultry farming, *Kadaknath* bird rearing etc. should be taken on priority for tribal farmers.
- The issue of filling up of vacant post in the KVK was raised. The SSH requested the Chairman to fill up the remaining vacant posts at the earliest.

KVK Naupada

- The Committee members expressed their views on proper utilization of fund especially of ATMA.

- The SSH was suggested to prepare the budget correctly and to be presented in proper format.
- Interventions like fishery and animal husbandry might be included in OFT.

KVK Sambalpur

- It was advised to set up a spawn production laboratory through ARYA project to fulfill the target of mushroom production for the year 2020-21.
- Establishment of one hatchery unit to fulfill the target of livestock production (chicks & eggs) was suggested.
- Preparation and presentation budget in the given format was suggested for future deliberation.

West Bengal

KVK Hooghly

- OFT conducted on evaluation of seed storage containers for increasing storability of cucumber seeds might be replicated to other seed growing areas in the district.

KVK Coochbehar

- The achievement of revenue generation from various associated avenues was very much encouraged.
- Horizontal expansion of mulching practice in lentil promoted by KVK should be scaled up.
- Marketing channels and convergence model which were developed by the KVK during the COVID-19 situation in the district to enhance economic benefits of agricultural farmers was also appreciated.
- Utilization of revolving fund for construction of seed storage unit and maintenance of administrative building might be carried out with appropriate approval from ATARI Kolkata and Host Institute.

KVK Birbhum

- The issue regarding the appointment of permanent Head of KVK was raised and it was suggested that the Host Organization should take necessary step on that.

KVK Murshidabad

- The achievement and efforts of revenue generation from various associated avenues were appreciated.
- Utilization of revolving fund for security personnel and maintenance of administrative building could be carried out with prior approval from ATARI Kolkata office and Host Institute.
- The training for migrant labourers in the district should be given top priority.

KVK Uttar Dinajpur

- It was suggested to utilize the KVK revolving fund for maintenance of administrative building, farmers' hostel, farm development and demo units with prior approval from ATARI Kolkata office and Host Institute.
- Use of revolving fund should be carried out judiciously and effectively.

- The KVK personnel were congratulated and praised for their hard work and for achieving rank as 4th best KVK in West Bengal.

KVK South 24 Parganas, Nimpith

- The revolving fund might be used to purchase farm machinery with the permission of competent authorities.
- Need based skill development training programme(s) might be conducted online. Further, it was added to conduct practical/hands-on-training session depending upon the space or infrastructure available at the KVK.
- Chairman urged to all KVKs of OUAT to take assistance from KVK Nimpith for any new ventures.

KVK Purba Medinipur

- The convergence of MNREGA programme with KVK activity was appreciated.
- The KVK was suggested to work on injudicious practice of fish culture which had future consequences. The farmer should be trained and awareness campaign should be carried out in consultation with state line department.
- The SSH was suggested to hold one joint meeting with PWD, University, ATARI Kolkata and KVK Head to settle construction related issues of KVK.

Rapporteur's report

- § All KVKs should fulfil the annual targets of various mandated activities e.g. OFTs, FLDs, no. of trainings, no. of trainee participants, planting materials and seed production, no. of soil sample analysis etc. assigned to them by the competent authorities.
- § With the prior approval of ATARI Kolkata and Host Institute, KVK might utilize their revolving fund for different development purposes of KVKs.
- § The KVKs were suggested to start training programmes for migrant labourers in their district on top priority.
- § The efforts of KVKs for revenue generation from various associated avenues were highly appreciated.
- § Climate resilient technologies validated, demonstrated & recommended under NICRA should be replicated to other districts to strengthen climate smart agriculture.
- § Efforts were to be made in strengthening infrastructure facilities at the KVKs. One time grant might be to all KVKs for land development and irrigation support.
- § More emphasis should be given on quality publications and documentations.
- § The Host Institute should follow uniform transfer policy for all KVK employees considering their career and social security.

Group-B

Chairmen:

Dr. S. S. Singh, DEE, RLBAU, Jhansi & Ex-Director, ATAR- Kolkata,
Prof. A. Goswami, DREF, WBUAFS, Kolkata

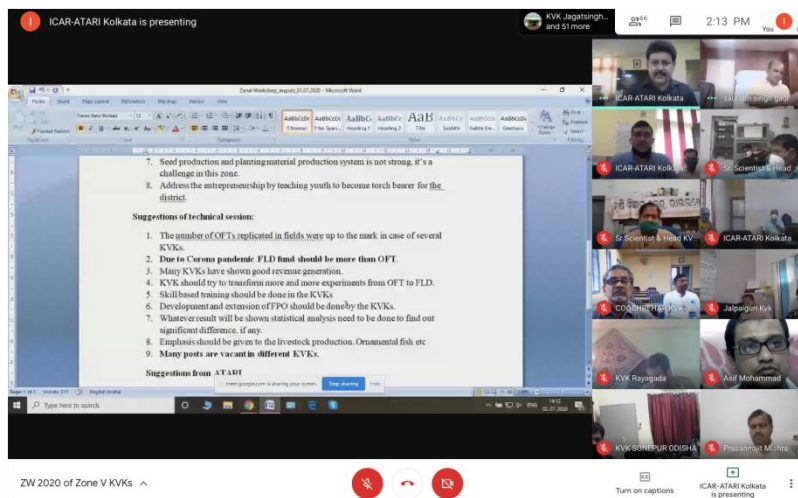
Co-Chairmen:

Dr. A. Halder, PS, ATARI-Kolkata
Dr. P. Mishra, Joint Director (Extn. Edu.), OUAT, Bhubaneswar

Rapporteurs:

Dr. B. Mohanty, SSH, KVK Dhenkanal, Odisha
Dr. M. K. Bhattacharjya, SSH, KVK Purulia, West Bengal
Dr. S. Das, SRF, ATARI Kolkata

In this session, a total of 20KVKs i.e. 12 KVKs from Odisha and 8 KVKs from West Bengal presented their achievements and action plan. The KVK wise recommendations are given below.



Odisha

KVK Balasore

- Proposal for renovation of hostel, power generator etc. should be sent to ATARI Kolkata for incorporation in EFC.

KVK Bolangir

- More programmes should be taken from the Line Departments of the state.
- Revolving fund should be increased.

KVK Cuttack

- It was suggested to develop strong linkage with the Line Departments for conducting more programmes at the KVK.
- Efforts should be made to establish mushroom unit from funding of RKVY.

KVK Dhenkanal

- No. of training programmes and no. of trainees should be increased as per targets given by ATARI Kolkata.

KVK Ganjam-II

- FLD on rice should be checked as enquired.
- OFT on Animal Sciences should be incorporated.
- Statistical analysis on OFT should be done.

KVK Kendrapara

- Proposal for some demonstration units should be sent to ATARI Kolkata for incorporation in EFC.

KVK Koraput

- No. of training programmes and no. of trainees should be increased

KVK Nabarangpur

- Presentation was as per format and to the point

KVK Puri

- OFT on chili should be included.
- FLD on mushroom dryer should be incorporated.

KVK Sonepur

- No. of OFT should be increased.
- Some programmes on Animal Husbandry should be incorporated

KVK Sundargarh-II

- No. of OFT should be increased.

KVK Mayurbhanj-I

- Details (species) of livestock distribution should be given.

West Bengal

KVK Darjeeling

- More programmes should be undertaken on Mandarin Orange

KVK Dakshin Dinajpur

- Proposal for vehicle replacement, godown, repair and maintenance of administrative building should be sent to ATARI Kolkata for incorporation in EFC

KVK Howrah

- Proposal for vehicle replacement should be sent to ATARI Kolkata for incorporation in EFC.

KVK Murshidabad (Additional), Sargachhi

- Presentation was not up-to the mark. It should be improved.
- No. of OFT should be increased.
- No. of training programmes should be increased.
- Some programmes on Animal Husbandry should be taken with the consultation of WBUAFS, Belgachhia.

KVK Malda(Additional), ICAR-CISH, Malda

- Highly praised the activities of KVK with single manpower.
- Recruitment of vacant post should be expedited.

KVK North 24 Parganas, Ashoknagar

- Best OFT/FLD on Animal Sciences, conducted by North 24 Parganas KVK under the supervision of WBUFSC, should be replicated in other KVKs of West Bengal and Odisha.

KVK Purulia

- More programmes should be taken through PPP mode.

KVK South 24 Parganas, Narendrapur

- Fund provided in FLD should be more than OFT.
- Training for migrant labour should be arranged.
- Ornamental fish production might be promoted as it had very good market demand in Kolkata and Howrah.

Rapporteur's report

- § Skill based training should be done in KVKs
- § Development and extension of FPO should be done by the KVKs.
- § Emphasis should be given to the Livestock Production.
- § Proposal for renovation of old KVK buildings, vehicle replacement, different demonstration units, power generator etc. should be sent to ATARI Kolkata for incorporation in EFC.
- § Best OFTs/FLDs on Animal Sciences should be replicated in other KVKs of WB & Odisha.
- § No. of soil sample analysis and distribution of Soil Health Card should be increased to meet the annual target.
- § Scientific and statistical analysis of OFT/FLD should be done to find out significant differences.
- § In swachhta programme, it is necessary to distribute mask & sanitizer and to disseminate other information related with COVID-19 to the farmers.
- § Action plan should be prepared involving migratory labors like training, demonstration and other activities of KVK, particularly income generation programmes.
- § Hydroponics on fodder cultivation, vegetable production based on hydroponics system and activities on urban agriculture should be incorporated.
- § Recruitment process of vacant posts of KVK should be completed as early as possible.

Group-C

Chairmen:

Prof. P.K. Pal, DEE, UBKV, West Bengal
Prof. M. Paramanik, DEE, BCKV, West Bengal

Co-Chairmen:

Dr. P. P. Pal, Pr. Scientist, ICAR-ATARI-Kolkatta
Dr. K.S Das, Pr. Scientist, ICAR-ATARI- Kolkata

Rapporteurs:

Dr. P. N. Ananth, SSH, KVK Khordha, Odisha
Dr. S. H. Ansary, SSH, KVKNadia, West Bengal
Mr.S. Ghosh, SRF, ICAR-ATARI-Kokatta

In this session, a total of 19 KVKs i.e. 11 KVKs from Odisha and 8 KVKs from West Bengal presented their achievements and action plan. The KVK wise recommendations are given below.

Odisha

KVK Bargarh

- Locations of each OFT were more in number. It was suggested to restrict within 10 or so.
- Number of annual training programmes and total no. of trainees should be increased to minimum of 100 and 2500, respectively.

KVK Boudh

- Training achievements (no. of training and trainees) did not fulfil the targets. It should be increased.
- Areas proposed for FLDs should be specified.

KVK Gajapati

- Targets on training programmes were very less and suggestions were provided to increase the same.
- For OFT locations should be increased.
- Target should be given in round figure.
- The SSH of KVK highlighted the issues on filling up of vacant posts, constructing boundary wall and land development in the KVK. They were facing difficulty in maintaining 19demo units at the KVK.

KVK Jagatsinghpur

- Being a fishery dominated district in coastal Odisha, more assignments should be taken on Fishery activities involving fishery manpower of the KVK.
- The fund utilization was appreciable.

KVK Kandhamal

- Target for planting materials production should be increased.
- The OFT on offseason cauliflower production was very good and remunerative to the farmers. It should be popularized throughout the district.
- Very good works done under TSP. Committee appreciated for showing good quality action photographs.
- Issues like shortage of staff, shortage of fund for constructing approach roads, constructing threshing floor, renovating office building etc. were raised.

KVK Keonjhar

- Soil sample tested was very less. It should be increased.
- Rice seed production might be included in their programme.

KVK Khorda

- The efforts of KVK staff were appreciated by all the members. They were also congratulated for their ‘*Padmashree Awardee Farmers*’.
- Target of annual training programme including participant farmers should be increased. More no. of women farmers should be included.
- The committee wanted to know why there was no revolving fund with the KVK.
- The OFT on mechanical transplanting should be taken into FLD after conducting awareness programme.
- Soil sample tested was very less. It should be increased.
- Report on model nursery with cost calculation should be prepared and to be sent to ATARI Kolkata.

KVK Mayurbhanj-II

- Targets on number of training programme and number of participants should be increased as suggested from ATARI Kolkata.
- Small implements for different agricultural farm activities might be developed with the help of SMS of Agril. Engineering.
- Issues on providing funds for vehicle, land development, establishing demo units, staff shortage were raised.

KVK Nayagarh

- The SSH advised to present best OFT, not 2-3 OFTs.
- Number of soil sample tested should be increased.

KVK Rayagada

- Generating fund from other sources was suggested.

- In OFT, no. of location should be mentioned in proper way. It should be given in no. of farmers, not no. of villages.
- Participatory seed production should be taken up in collaboration with line departments.

KVK Sundargarh-I

- Fund of PKVY was not properly utilized. It should be taken care off.
- The number of training conducted was very less.

West Bengal

KVK Bankura

- The house appreciated the OFT on mushroom packaging and asked them to send detailed report on that to ATARI Kolkata within 15 days.
- Generating good revolving fund was appreciated.
- The committee members asked SSH why there was more expenditure than the received fund. In future, that should be taken care of.
- Issues on staff shortage, boundary wall construction, vehicle replacement etc. were discussed.

KVK Burdwan

- No. of training programme, total no. of trainees, planting materials production were very less than the target given. All were to be increased.
- In OFT on mustard, sulphur should be added to get good results.
- Fund utilization under CFLD on Oilseeds was very less. It should be taken care of.
- Various issues like shortage of staffs, unavailability of vehicle, lack of infrastructures at KVK etc. were raised.

KVK Jalpaiguri

- The committee members appreciated the presentation.
- In OFT on nutritional management, the proportion of nitrogen through inorganic and organic source should be revised.
- The OFT on livestock should be incorporated.
- The KVK should work on medicinal plants

KVK Jhargram

- In the best and presented OFT, B:C ratio was found to be less and also almost similar in all the treatments groups. It should be checked before presented.
- Settlement of shifting of host organization needs prompt action.

KVK Malda

- Possession of high revolving fund and work on Mango in the district was appreciated.
- The OFT on livestock must be included.

KVK Nadia

- The presentation was appreciated.
- The committee members also appreciated for generating a substantial amount of revolving fund. It was suggested that some good programmes/ activities might be planned for the KVK with that fund.
- Planting materials production was less and it should be minimum of 1.0 lakh.
- Damage to KVK property by recently hit Amphan cyclone, constructing boundary wall, purchase of vehicle etc. were highlighted.

KVK Nadia (Additional), ICAR-NDRI ERS, Kalyani

- The issues related to staff recruitment, problem in utilizing SCSP fund etc. were highlighted.
- The committee appreciated the works in spite of having only one man in the KVK (who was appointed as In-Charge of newly established KVK).
- In OFT, no. of location was very less. It should be around 10 per OFT.
- Target for training programme should be increased.

KVK North 24 Pgs(Additional), ICAR-CRIJAF, Barrackpore

- The issues on staff recruitment, problem in utilizing SCSP fund and administrative problems were highlighted.
- The committee appreciated the works in spite of having only one man the KVK as SSH.
- Number of locations in OFT should be recast. It was more in number and might be difficult in monitoring point of view.
- In Action Plan, area of FLD should be given in round figure.

Rapporteur's Report

- All KVKs were requested to include and conduct some of the capacity building training programmes for migrant workers returned to their states during COVID-19 Pandemic conditions.
- Participatory seed production should be encouraged involving different stakeholders in the state.
- KVKs were advised to promote offseason vegetable cultivation for the farmers to fetch more income.
- It was emphasized in the discussion of the committee that each KVK should have its own identity in terms of specific commodity. Depending upon the strength of the district, a short term and a long term commodity specific future road map must be prepared and works might be started immediately to establish that goal. In future, the KVK would be known by that commodity.

- All KVKs must ensure the effective and complete utilization of funds provided to them.
- A number of KVKs were appreciated for generating handsome revenue in the form of revolving fund.
- Detailed discussions took place on the PKVY project implemented by KVKs across the zone. It should be encouraged across the districts.
- A few coastal KVKs of West Bengal and Odisha informed about the damage caused to the property of KVKs by the recent cyclone Amphan that hit the states.
- Constraints on the remote location of KVK, low budgetary provisions, inadequate manpower were some of the issues/constraints informed by the KVKs.

Valedictory Session

The two days virtual Annual Zonal Workshop for 59 KVKs of ICAR-ATARI Kolkata consisting the states of Odisha, West Bengal and Union Territory of A&N Islands were concluded with the valedictory session held on 02.07.2020 under the Chairmanship of Dr. R. Singh, ADG (AE), ICAR, New Delhi. The Directors from ATARI Jabalpur, Kanpur and Patna; Former Director of ATARI Kolkata; Dean and Directors of Extension Education from OUAT, Bhubaneswar; from UBKV, Pundibari; from BCKV, Nadia and DREF from WBUAFS, Belgachhia also joined online as panelists for the session. The scientists and other staff from ATARI Kolkata and SSH from 59 KVKs also attended the meeting. The valedictory session was conducted by Dr. P. P. Pal, PS, ATARI Kolkata. Dr. K. S. Das acted as rapporteur for the session. After formal welcome by Dr. S. K. Roy, Director ATARI Kolkata, he presented the overview of two days workshop and discussed various suggestions came from different technical sessions. Dr. (Mrs.) B. Satpathy, Dr. M. K. Bhattacharjya and Dr. P. N. Ananth, the rapporteur from technical session A, B and C, respectively presented their reports. After that, panelists shared their views one by one which has been as under.

In his address, Dr. A. Mishra appreciated the module of presentation developed by ATARI Kolkata for conducting virtual workshop. He emphasized that ITKs of Odisha and West Bengal should be included in OFT to check and validate their efficacy. Application of innovative ICT tools, involvement of ICAR institutes and state line departments for successful implementation of various programmes at the KVKs, development of commodity specific KVKs, replication of successful case studies for DFI, use of common service centres and '*vocal for local*' were the various needs of the hour.

Dr. A. Singh urged for developing agro-ecosystem specific cropping systems to increase productivity. Climate resilient technologies should be scaled up. The rainfall data should be correlated with production. He suggested that soil test based OFT/ FLD not only saved fertilizer but also maintained soil health and enhances farmers' income indirectly. Cross learning from other KVKs would definitely help in implementing various programmes in the KVKs and exposure visit should regularly be planned.

Dr. A. Kumar requested to share the format of presentation and also expressed his view to conduct Annual Zonal Workshop jointly with ATARI Kolkata in future.

Dr. S. S. Singh pointed out that no new OFT was presented in the workshop due to paucity of time. The OFTs and FLDs were to be framed from Animal and Horticultural sectors. He also stressed upon the infrastructure development, cross learning of NICRA technologies, involvement of state Govt. in various programmes, organizing trainings for migrated labourers and preparing reports on the damage caused by Amphan cyclone to get support from the Council.

Prof. L. M. Garnayak gave importance for developing forward and backward linkages. He expressed his concern about overburdening of KVKs. In spite of that, he requested KVKs to validate and promote farmers' innovation.

Prof. A. Goswami urged that there should be the separate provision under different schemes/ programmes for appointing security personnel in the KVK farm/ demo units. He also gave emphasis on the training for migrated labourers in the district.

Prof. P. K. Pal appreciated the efforts of ATARI Kolkata for preparing the format of presentation for the Workshop. He informed the participants that Education Division of ICAR also had made provisions to place agriculture students in the KVKs for hands-on-training.

Prof. M. Pramanik pointed out that KVKs were overburdened with other lateral activities. Main mandated activities should be taken as priority. He also raised the issues on damage due to Amphan cyclone, change of cropping systems and implementation of 7th CPC for KVK staff.

Dr. S. K. Roy had clarified many quarries which came out from the above discussions.

The Chairman of the session released publication of KVK Mayurbhanj-I on mushroom cultivation.

In his concluding remarks, Dr. R. Singh highly appreciated the efforts of KVKs in helping farmers during COVID-19 Pandemic situations. He urged to the concerned KVKs to successfully implement the time bound *Garib Kalyan Rojgar Yojana* (GKRA) as that was being monitored by the highest authority of the Council. Data on GKRA should be uploaded in KVK Portal just after completing of training programme. Dr. Singh gave his emphasis on ‘*Vocal for Local*’, involvement of youth for developing ‘*Atmanirbhor Bharat*’, quality seed and planting materials production, FPO formation, role of common service centres etc. He advised not to send any report directly to any outside agency and report should be routed through proper channel. At the end, he gave his consent to everybody to adopt all necessary precautions e.g. social distancing, using face mask, frequent hand washing with sanitizers etc. to fight against COVID-19 to stay safe and healthy.



The session was ended with the formal vote of thanks by Dr. K. S. Das.



Annual Zonal Workshop of KVKs 2020

(through Video Conferencing)

**ICAR-Agricultural Technology Application Research Institute Kolkata
Bhumi Vihar Complex, Salt Lake, Kolkata-700097**

July 1, 2020

Inaugural Programme

Time		Programme
0900 hrs		: Connecting to All Participants
0930 hrs	Welcome & Overview of KVKs of Zone V	: Dr. S. K. Roy, Director, ICAR-ATARI, Kolkata
0935 hrs		Dr. P. K. Agarwal, VC, OUAT, Bhubaneswar
0940 hrs	Remarks by Vice Chancellors of SAUs of the Zone	: Swami Atmapriyananda Maharaj, VC, RKMVERI, Belurmath
0945 hrs	Remarks by DDG (AE), ICAR	: Dr. A. K. Singh, DDG (Agril Ext), ICAR, New Delhi
0955 hrs	Remarks by Secretary, DARE & DG , ICAR	: Dr. T. Mohapatra, Secretary, DARE & DG , ICAR, New Delhi
1005 hrs	Release of Publication	: Shri Kailash Choudhary, Hon'ble Minister of State for Agri & FW, GOI, New Delhi
1007 hrs	Remarks by the Chief Guest	: Shri Kailash Choudhary, Hon'ble Minister of State for Agri & FW, GOI, New Delhi
1030 hrs	Vote of Thanks	: Dr. A. Haldar PS, ICAR-ATARI, Kolkata

TECHNICAL PROGRAMME

Wednesday, July 1, 2020 (Day 1) TECHNICAL SESSION (Three Concurrent Sessions)		
CONCURRENT SESSION I		
1130- 1700 hrs* (Each KVK 10 minutes) Lunch Break at 1330 - 1400 hrs	Group A (20 KVKs) Achievement of KVKs in 2019-20 & Action Plan 2020-21	Chairperson: Dr. L. M. Garnayek , DEE, OUAT, Bhubaneswar Co- Chairpersons: Dr. F. H. Rahman, PS, ATARI Kolkata Dr N J Maitra, DDR, WBUAFS Kolkata Rapporteurs: Dr. Bineeta, Angul ; Dr Surajit, UDP; Smt. Jhumur Basak ,ATARI Kolkata A & N Islands KVK (1): Port Blair Odisha KVKs (11): Angul, Bhadrak, Deogarh, Ganjam1, Jajpur, Kalahandi, Jharsuguda, Malkanagiri, Nuapara, Sambalpur & Sundargarh-II WB KVKs (8): Hooghly, Coochbehar, Uttar Dinajpur, Murshidabad, Birbhum, S 24 Parganas, Purba Medinipur, N 24 Pgs (A)
CONCURRENT SESSION II		
1130- 1700 hrs* (Each KVK 10 minutes) Lunch Break at 1330 - 1400 hrs	Group B (20 KVKs) Achievement of KVKs in 2019-20 & Action Plan 2020-21	Chairperson: Dr. S. S. Singh, DEE, RLBAU, Jhansi & Ex-Director ATARI Kolkata Prof. A. Goswami, DREF, WBUAFS, Kolkata Co- Chairpersons: Dr. B. K. Mahapatra, Jt. DEE, OUAT, Bhubaneswar Dr. A. Halder , PS, ATARI Kolkata Rapporteurs: Drs. Bimalendu, Dhenkanal, M. Bhattacharya,Purulia; S. Das, ATARI A & N Islands KVKs (1): Car Nicobar Odisha KVKs (11): Balasore, Bolangir, Dhenkanal, Ganjam-II, Koraput, Kendrapara Mayurbhanj-1, Nabarangapur, Puri, Sonepur & Cuttack WB KVKs (8): Howrah, Dakhin Dinajpur, Kalimpong, N 24 Pgs., S 24 Pgs (A), Purulia, Maida (A) & Murshidabad (A)
CONCURRENT SESSION III		
1130- 1700 hrs* (Each KVK 10 minutes) Lunch Break at 1330 - 1400 hrs	Group C (19 KVKs) Achievement of KVKs in 2019-20 & Action Plan 2020-21	Chairperson: Prof. P.K.Pal, DEE,UBKV, Coochbehar Prof. M. Pramanik, DEE BCKV Co- Chairpersons: Dr. P.P.Pal PS, ATARI Kolkata Dr. K.S.Das, ATARI Kolkata Rapporteurs: Dr. Ananth, Khordha, Dr. Samsul, Nadia & Swayambhu Ghosh, ATARI A & N Islands KVKs (1): N &M Andaman Odisha KVKs (11): Baragarh, Khordha, Boudh, Gajapati, Jagatsinghpur, Kandhamal, Keonjhar, Mayurbhanj-II, Nayagarh, Rayagada & Sundargarh- WB KVKs (7): Nadia, Maida, Jalpaiguri, Bardhaman, Bankura, Jhargram & Nadia (A)

Thursday, July 2, 2020 (Day 2)		TECHNICAL SESSION (Contd.)	
1000- 1330 hrs*	Concurrent Session I, II & III in the respective Weblink to continue with same		
		Chairmen, Co-Chairmen and Rapporteurs	
1330 - 1400 hrs	Lunch Break		
1400 - 1600 hrs	CONCLUDING SESSION		

CONCLUDING SESSION	
Chairman : Dr R. Singh, ADG (AE); ICAR	
Panelists: Drs. R. Singh, ADG (AE); S. S. Singh, RLBAU; L. M. Garnayek, OUAT; A. Goswami, WBUAFS; P. K. Pal, UBKV; M. Pramanik, BCKV; S. K. Roy, P.P. Pal, A. Halder, F. H. Rahman & K. S. Das ATARI Kolkata	
Rapporteurs: Dr. S. Das, Jhumur Basak & Swayambhu Ghosh ATARI Kolkata	
14.00 hrs	Welcome
14.10 hrs	Rapporteurs' Reports
14.40 hrs	Participants' feedback
15.00 hrs	Remarks of Panelists
15.50 hrs	Vote of thanks Dr K Das Principal Scientist ATARI Kolkata

List of participants

1. Shri Kailash Choudhary, Hon'ble Minister of State for Agri & FW, GOI, New Delhi
2. Dr. T. Mohapatra, Secretary, DARE & DG , ICAR, New Delhi
3. Dr. T. Mohapatra, Secretary, DARE & DG , ICAR, New Delhi
4. Dr. A. K. Singh, DDG (Agril Ext), ICAR, New Delhi
5. Dr R. Singh, ADG (AE); ICAR New Delhi
6. Dr. P. K. Agarwal, VC, OUAT, Bhubaneswar
7. Swami Atmapriyananda Maharaj, VC, RKMVERI, Belurmath
8. Dr S K Roy Director ATARI Kolkata
9. Dr C Chottopadhyay VC UBKV Cooch Behar
10. Dr. L. M. Garnayek , DEE, OUAT, Bhubaneswar
11. Dr. S. S. Singh, DEE, RLBAU, Jhansi
12. Prof. P.K.Pal, DEE,UBKV, Coochbehar
13. Prof. A. Goswami, DREF, WBUAFS, Kolkata
14. Prof M. Pramanik, DEE BCKV;
15. Director of ICAR Institutes
16. DR A Mishra Director ATARI Jabalpur
17. Dr Atar Singh Director ATARI Kanpur
18. Dr Anjani Kumar Director ATARI Patna
19. Principal Scientists of ATARI Kolkata
20. Senior Scientists cum Head KVKs of Odisha (33)
21. Senior Scientists cum Head KVKs of West Bengal(23)
22. Senior Scientists cum Head KVKs of Andaman and Nicobar Islands(3)