

**PROCEEDINGS OF THE 13TH SCIENTIFIC ADVISORY COMMITTEE MEETING
OF KRISHI VIGYAN KENDRA, SUNDARGARH-II HELD ON 23RD DECEMBER
2024**

The 13th Scientific Advisory Committee (SAC) Meeting of KVK, Sundargarh-II, Rourkela was organized by KVK, Sundargarh-II under the Chairmanship of Prof. P. J. Mishra, Dean, Extension Education, OUAT on 23.12.2024 at 11.00 AM represented by Dr. Bipin Kumar Pradhan Deputy Director, DEE, OUAT in the Conference Hall of ADO, Panposh, Rourkela. Dr. K. S. Das, Principal Scientist, ICAR-ATARI, Kolkata and Dr. G. C. Acharya, Head, ICAR-CHES, Bhubaneswar, Dr. Sanjukta Mahapatra, ADR, RRTTS, OUAT Chiplima also graced the occasion in hybrid mode. The Senior Scientist & Head, KVK, Sundargarh-II, Dr. Jayanta Kumar Pati welcomed the dignitaries present on the occasion followed by lighting of lamp. This meeting was conducted in hybrid mode.

AGENDA-I: Approval of the proceedings of the 12th SAC meeting

The Senior Scientist and Head presented the proceedings of the 12th SAC meeting and it was circulated to all the members. He also presented the action taken report on the recommendations of the 12th SAC meeting.

Sl. No.	Salient recommendations	Actions taken
1	Crop diversification programme with oilseeds /pulses should be focussed upon	<ul style="list-style-type: none"> ➤ Two trainings have been conducted for farmers and farm women at village Jareikela in Bisra block and Gundibali of Lathikata block. ➤ Demonstration on fall army worm in maize was conducted in Guduguda and Patrapali village of Nuagaon block with 10 farmers ➤ Under Mukhyamantri Maka Mission Odisha, a capacity building programme was organized by Agriculture Department where KVK imparted training on improved cultivation practices of Maize
2	Integrated and biological management of insect, pest and diseases in crops and vegetable should be given priority	<ul style="list-style-type: none"> ➤ OFT to be conducted on fruit fly management in mango in Nuagaon and Bisra block ➤ FLD on fall army worm was conducted in Guduguda and Patrapali village of Nuagaon block with 10 farmers. ➤ FLD to be conducted on IPM module for mealy bug in okra. ➤ Demonstration on management of blast disease in rice was conducted in Gundibali and Ranto of Lathikata block with 10 farmers. ➤ Demonstration on management of purple blotch to be conducted in Bisra block and Chikitia, Urmei of Nuagaon block.

Sl. No.	Salient recommendations	Actions taken
3	Inclusion of natural farming activities in the action plan	<ul style="list-style-type: none"> ➤ Two awareness training conducted with participation of 50 farmers in Bisra and Lathikata block. ➤ Two capacity building programme conducted with 80 participants from all 4 blocks of Panposh sub-division. ➤ Critical inputs for demonstration on natural farming techniques will be distributed among 20 progressive farmers in this year. ➤ Extension literature printed for farmers in local language ➤ Collaborative trainings organized with NIT Rourkela on waste to wealth programme involving 100 participants.
4	More number of activities in Watershed areas.	<ul style="list-style-type: none"> ➤ Six trainings conducted in Erla, Masurikudar, Chengjharan and Jareikela villages of Bisra block involving 140 participants. ➤ In collaboration with forest department, KVK conducted Ek Paed Maa Ke naam programme in Vill-Erla of Bisra block. ➤ 50 seed kits have been distributed in Masurikudar of Bisra block & Arjunchua of Lahunipara block
5	Technical support to FPOs to strengthen their activities	<ul style="list-style-type: none"> ➤ Eight trainings conducted for FPO management involving 200 participants in Nuagaon, Lathikata and Bisra block ➤ Technical knowledge given on production and package and practices of different crops like cauliflower, tomato, mushroom in Jalda, Suidihi of Lathikata, Madhupur of Nuagaon block. ➤ Celebration of special days with FPOs for maintaining connectivity with KVK. ➤ KVK participated in all the general body meeting of FPOs. ➤ Nominating FPOs for state level awards for recognition. ➤ District level project launching workshop on center of excellence for FPOs involving 100 members was organized by KVK at Rourkela.
6	Asset creation for TSP beneficiaries.	<ul style="list-style-type: none"> ➤ Provision of shade net to a tribal WSHG in Naikanpali of Kuarmunda block was done to create asset for year round mushroom cultivation.

Sl. No.	Salient recommendations	Actions taken
		<ul style="list-style-type: none"> ➤ Provision of poly house and pro tray was done to five tribal beneficiaries of Bagbudi village of Lathikata and Jharbeda of Kuarmunda Block for raising vegetable seedling in a protected way ➤ 200 Nos. each of rose canes and hand sprayers , 100nos of Bhindi Pluckers and 100 safety kits have been provided to Tribal Women under TSP program at Gopapali, Ranto, Gutidarah Villages of Lathikata Block and Bagdega and Khuntgaon Villages of Nuagaon block for asset creation under TSP.
7	Scaling up of nutritional garden in tribal households.	<ul style="list-style-type: none"> ➤ 200 tribal households provided with 200 kitchen garden seed kits for scaling up nutritional Garden in Lathikata, Nuagaon, Kuarmunda, Bisra and Lahunipara block. ➤ 02 trainings on planning and layout on nutritional Garden were conducted at Dumerjore of Kuarmunda block and Fakirmunda of Koira block involving 50 farmers
8	Activity on spice crop to be taken	<ul style="list-style-type: none"> ➤ OFT on Assessment of different garlic varieties has been conducted in Kansar, Ranto, Gundibali of Lathikata block and Anthuguda and Garda of Nuagaon block with seven farmers. ➤ FLD conducted on application of herbicide in rabi onion in village Nuagaon of block Lathikata and village Gudgudejore of Bisra block involving 10 farmers. ➤ FLD to be conducted on management of purple blotch in onion in Nuagaon and Bisra block involving 10 farmers ➤ Training on weed management of onion has been conducted in Lukumbeda village of Nuagaon block ➤ TSP demonstration on onion variety NHRDF Red-4 is conducted in Kansar village of Lathikata Block
9	Expansion of mushroom enterprise to make it a round the year activity.	<ul style="list-style-type: none"> ➤ Critical inputs like mushroom spawns and polythene provided to 50 farmwomen and 4 trainings conducted to ensure round the year mushroom cultivation in Bisra and Lathikata block ➤ One WSHG of Kuarmunda has made mushroom a year round activity with support from KVK.

Sl. No.	Salient recommendations	Actions taken
10	Promotion of locally adopted fruits like guava, apple ber, custard apple, papaya and litchi	<ul style="list-style-type: none"> ➤ In order to promote fruit crops, KVK conducted three trainings on Guava, apple ber in Ghodabandh and Madhupur village of Nuagaon block and on Papaya in Ranto village of Lathikata block for 75 farmers. ➤ FLD on nutrient management in litchi has been conducted in Gadruan village of Lahunipara block and Ghodabandh village of Nuagaon block ➤ 05 farmers in Nuagaon and lathikata block have started growing guava and seven farmers started growing apple ber in Gurundia and Nuagaon block on a commercial basis. ➤ Two farmers have been promoted for cultivation of papaya in Anthuguda and Goldaru villages of Nuagaon block.
11	Conduct trials/ demonstrations using varieties released by public extension system	<p>Trials and demonstration conducted for following crops using varieties released by public extension system.</p> <ul style="list-style-type: none"> ➤ Potato, variety- Kufri Pukhraj released by ICAR-CPRI ➤ Garlic Variety- Yamuna Safed-3, Agrifound White ➤ Onion variety- NHRDF- Red-4 ➤ Seed kit procured from NHRDF Boudh for nutritional garden programme were having the seeds of Public Institute.
12	Promote backyard poultry and honey bee	<ul style="list-style-type: none"> ➤ 200 chicks (Breed- Kuroiler) provided to tribal beneficiaries to promote backyard poultry in Ranto village of Lathikata block. ➤ Two trainings conducted on scientific rearing of honey bee at Jariekela and Tankatola village of Bisra block.
13	Convergence with line departments and other stake holders	<ul style="list-style-type: none"> ➤ Convergence with horticulture department for capacity building programmes to enhance the productivity of fruit crops. ➤ Convergence with agriculture department for awareness programmes on soil health management, safe use of pesticides, value addition and crop diversification. ➤ NABARD and NGOs for handholding support to FPOs. ➤ Regular research extension linkage meeting. ➤ Joint field visits and participation as resource persons in all government programmes.

Sl. No.	Salient recommendations	Actions taken
14	Production of Low Volume High Value crop	<ul style="list-style-type: none"> ➤ Demonstration of exotic vegetables like broccoli, red cabbage, lettuce at Gundibali village of Lathikata block. ➤ One farmer has been promoted to grow coloured capsicum, cherry tomato and lettuce at Lathikata
15	More activities to be taken on floriculture	<ul style="list-style-type: none"> ➤ FLD on management of Alternaria Leaf spot and flower blight in marigold has been conducted in Kuarmunda and Nuagaon block. ➤ One training on improved method of cultivation of marigold is conducted in Putrikhaman village of Kuarmunda block. ➤ One training on disease and pest management in marigold is conducted in Urmei village of Nuagaon block. ➤ One training on Production of Tuberose and Roses has been imparted in village Birda of Lathikata Block with APC ➤ One SHG of Badabambua village of Bisra Block and one SHG of Bagbudi village of Lathikata has been promoted for marigold cultivation
16	Imparting more skill development trainings	<ul style="list-style-type: none"> ➤ 12 skill development trainings on QPM production, mushroom production, nursery raising, vermicomposting, bee-keeping, biofloc fish/ fingerling production have been conducted involving 180 participants under ICAR and OMBADC project.
	More numbers of activities with Tribal agencies	<ul style="list-style-type: none"> ➤ Four training programmes under National Skill Development Corporation (NSDC) on improved method of mustard cultivation have been imparted at Kendudihi of Lahunipara block involving 80 farmers. ➤ One training under Mukhyamantri Janajatiya Mission have been imparted on Enhancing farm income through effective utilization of upland at Lathikata under ITDA Panposh involving 50 farmers.
17	Use of ICT in KVK monitoring activities.	<ul style="list-style-type: none"> ➤ Extensive use of WhatsApp is being done to monitor, guide and give advisory services to farmers. ➤ Commodity specific WhatsApp groups have been made to disseminate information and collect feedback.

Sl. No.	Salient recommendations	Actions taken
		➤ Use of audio, video, live streaming of various extension activities being done for greater outreach to farming community.

After a brief discussion on the action taken report, the proceeding of the last SAC meeting was approved.

AGENDA-II: Achievements during the year *Rabi-2023-24* and *Kharif 2024*

The Sr. Scientist & Head, KVK, Sundargarh-II appraised the house through a PowerPoint presentation on achievement of KVK on mandatory activities.

Sl. No.	Activities	Targets	Achievements
1.	OFT	5	5
2.	FLD	9	9
3.	CFLD (Pulses)	-	-
4.	CFLD (Oilseeds)	-	-
5.	TSP	5	5
6.	Trainings	71	71
7.	F/FW	38	38
8.	Rural youth	18	18
9.	In-service	4	4
10.	Sponsored trainings	11	11

AGENDA III: Presentation of action plan for 2025-26

The Senior Scientist & Head presented the activity to be conducted by KVK during 2025-26 in the disciplines of horticulture, plant protection, women in agriculture and seed science based on the PRA survey, secondary data, and discussion with line department staffs, suggestions from SAC meeting and analysing the recent research findings.

On farm trials: Six OFTs to be conducted involving 148 participants

- Assessment of integrated management of sucking pest in okra.
- Assessment of non-chemical management practices for shoot and fruit borer in Litchi
- Assessment of different garlic varieties
- Assessment of INM practices in banana.
- Assessment of effective channels for dissemination of detailed information on entrepreneurship development schemes (MKUY/ MIDH/ OMM)
- Assessment of marketing behaviour of agricultural produces.

Front Line Demonstrations: Nine FLDs are to be conducted involving 120 participants

- Demonstration on management of blast disease in rice.
- Demonstration on management of stem borer and leaf folder in rice.
- Demonstration on IPM practices for management of fruit fly in mango.
- Demonstrations on IPM module for management of leaf curl viral disease in papaya.
- Demonstration on growth promoters for improving yield and quality of mango.

- Demonstration on branch bending technology in guava.
- Demonstration on integrated nutrient management in litchi.
- Demonstration on INM practices in marigold.
- Demonstration on transfer of technology through harnessing human values in agriculture.
- One cluster FLD on oilseed to be conducted involving 200 beneficiaries on groundnut. Five number of tribal sub-plan programmes are to be conducted involving 500 beneficiaries
- Demonstration of nutritional garden for Improving Nutritional Security of farm families.
- Crop diversification in upland through maize (Kalinga Raj)
- Demonstration of mushroom round the year.
- Demonstration of backyard poultry.
- Demonstration of garden pea variety

Sixty trainings including farmers and farm women, rural youth, extension personnel and vocational trainings are to be conducted involving 1420 participants

AGENDA IV: All the members actively participated in the discussion and gave valuable suggestion.

The chairman invited suggestion from esteemed member and following suggestions were recorded.

Dr. K.S. Das, Principal Scientist from ICAR-ATARI, Kolkata gave his kind remarks and views as follows.

- ❖ No of skill training to be increased and also no of participants.
- ❖ Send all success stories documented to ICAR ATARI Kolkata.
- ❖ Increase the number of registration in Kisan Sarathi portal.
- ❖ Develop master trainer to carry forward the technologies.
- ❖ Uploading latest information in the KVK Portal.
- ❖ Focus on One District One Product (Mushroom)
- ❖ Include Livestock program in veterinary
- ❖ Impact assessment of one technical program.

Dean, Extension Education, OUAT, Prof. Dr. P.J. Mishra opined on following aspects

- ❖ Include OMBADC programmes in the achievement report.
- ❖ Documentation of success stories and website updation should be the priority of KVK.
- ❖ Strengthening of FPO and they should be involved in KVK programs.

Dr. Bipin Kumar Pradhan, Deputy Director, Extension, OUAT

- ❖ He suggested to introduce tuberose
- ❖ He also emphasise on establishing high density orchards.
- ❖ He suggested popularising the OUAT release technology in KVK operational areas.
- ❖ He also advised to document all success stories and send to DEE OUAT for publication.

Dr. G. C. Acharya, Head, ICAR-CHES, Bhubaneswar gave following valuable words

- ❖ Provide lime plants in kitchen garden kit.
- ❖ Training & Demo on nursery management should be focused.

- ❖ FLD in Litchi.
- ❖ Value addition in Mushroom.

Dr. Sanjukta Mahapatra ADR, Chiplima suggested

- ❖ She focused upon Water saving technologies such as Demonstration on zero tillage and straw mulching technology to be spread among the farming community

Sri. Harihar Nayak, CDAO, Sundargarh gave the following Suggestion

- ❖ To expand the climate resilient technologies
- ❖ To Conduct trial on Aromatic rice and *kharif* groundnut
- ❖ He also suggested to the research to develop short duration Arhar and YMV resistant Green gram varieties for the district.
- ❖ He suggested for Sesame demonstration to augment oilseeds production in this area.

Sri Dusmanta Behera, ADH, Panposh gave his suggestions

- ❖ He raised the issues of mango trunk Borer and termite infestation in orchards
- ❖ He also raised concerns about guava fruit fly, banana stem weevil and Pseudo Stem Rot prevalent in this area.

Sri G. Jayan, ADO, Panposh, suggested for increase area under pulses popularising sweet potato and regular dissemination of crop advisories through WhatsApp group.

Sri Manoj Kumar Pradhan, ADO, Bonai suggested to make aware the farmers regarding different pesticide formulation application and safe use of pesticides.

Dr. Pitambar Sahu, BVO, Lathikata representing CDVO Sundargarh opined that

- ❖ Fodder cultivation is very important intervention in order to have a sustainable dairy enterprise to thrive in the district.
- ❖ He also suggested to provide fodder mini kits to the farmers as initial support to popularize the technology.

Sri Aravind Mohanty, Progressive farmer and Master Trainer on Natural Farming

- ❖ Suggested to give more focus on organic farming, Natural farming & establishment of Bio resource centres so that the bio inputs required for natural farming can be made easily available to the farmers.
- ❖ He also invited the dignitaries to visit his farm

AGENDA V: Salient recommendations of the SAC members:

1. Focus should be on location-specific technological interventions for major fruit crops such as mango, banana, litchi, and guava, including high-density planting, canopy management, INM, and IPM practices to enhance productivity and quality.
2. Promote commercial cultivation of spice crops like garlic and ginger with improved varieties, scientific production practices, and post-harvest management to increase farmers' income.
3. Prioritize integrated and biological management of insect pests and diseases in field and vegetable crops through IPM modules, bio-control agents, and farmer awareness programmes.
4. Provide continuous technical support and capacity building to FPOs, strengthening their role in input supply, aggregation, value addition, and marketing, and actively involve them in KVK programmes.
5. Encourage crop diversification in upland areas with maize, oilseeds, and pulses based on soil suitability and market demand to improve cropping intensity and income stability.

6. Scale up the nutri-garden concept with supportive infrastructure such as poly-tunnels and shade-net houses to ensure year-round availability of nutritious vegetables at the household level.
7. Expand One District One Programme ODOP (mushroom) as a year-round enterprise by promoting seasonal production models, spawn availability, skill training, and value addition for enhanced profitability.
8. Promote cultivation of locally adapted and high-value fruits such as apple ber, dragon fruit, and strawberry with demonstration units and market linkage support.
9. Encourage backyard poultry in tribal pockets through asset creation under TSP, ensuring supply of improved breeds, health support, and training for sustainable livelihood enhancement.
10. Strengthen floriculture activities among peri-urban farmers by promoting commercial flower cultivation, protected cultivation techniques, and market-oriented production systems.
11. Enhance outreach of KVK activities through effective use of multimedia platforms, digital advisories, and social media to reach a wider farming community.
12. Prioritize natural farming, organic farming, and bio-input resource generation by establishing demonstration units and promoting on-farm preparation of bio-fertilizers and bio-pesticides.

The meeting ended with the vote of thanks by Dr. S. K. Pradhan, Scientist (Horticulture) KVK, Sundargarh-II, Rourkela.

K. Pradhan
28.1.26

**Senior Scientist & Head
KVK, Sundargarh-II**

**Sr. Scientist & Head
KVK, Sundargarh-II
Rourkela**

Approved

[Signature]
9/2/26

**Dean Extension Education
OUAT, Bhubaneswar**

Annexure I

MEMBERS PRESENT ON 14th SAC MEETING OF KVK, GANAJAM-II

1. Dr. P.J. Mishra, Dean, Extension Education, OUAT, Bhubaneswar - Chairman
2. Dr. Bipin Kumar Pradhan, Deputy Director DEE, OUAT, Bhubaneswar - Observer
3. Dr. K.S. Das, Principal Scientist from ICAR-ATARI, Kolkata - Member
4. Dr. G.C. Acharya, Head, ICAR-CHES, Bhubaneswar - Member
5. Dr. Sanjukta Mohapatra, ADR, RRTTS, Chiplima - Member
6. Mr. Harihar Nayak , CADO, Sundargarh -Member
7. Mr. Dushmanta Kumar Behera, ADH, Panposh - Member
8. Dr. Ptambar Sahu, B.V.O. Lathikata - Member
9. Sri G. Jayan, ADO, Panposh - Member
10. Sri Manoj Kumar Pradhan, ADO, Bonai - Member
11. Gagan Bihari Bhol, LDM, Sundargarh - Member
12. Mr. Shyam Sundar Rout, Secretary SGUP, NGO - Member
13. Mr. Aravind Mohanty, FMT NMNF - Member
14. Mrs. Supriya Das, BAO, Lathikata - Invitee
15. Ms. Manjubala Naik, BAO, Bisra - Invitee
16. Mr. Alex B. Kerketta, AAO, Lathikata - Invitee
17. Mrs. Narayani Meher, AAO, Kuarmunda - Invitee
18. Ms. Chandana Mahapatra, AAO, Bonai - Invitee
19. Ms. Selestina Seema Surin, AEE, Rkl, OLIC - Invitee
20. Mr. Swarup Kumar Panda, AEE,Rkl, OLIC - Invitee
21. Mr. Arun Kumar Parida, District Coordinator FPO - Member
22. Ms. Monalisa Parida, CEO, Vedvyas FPO -Member
23. Ms. Trupti Mahanandia, CEO, Kamal FPO - Member
24. Mr. Dhruva Charan Mahato, Kamal FPO - Member
25. Mr. Somra Khalkho, Khuntgaon FPO - Member
26. Sri Chumnu Dhanwar, Farmer - Member
27. Mr. Tapas Behera, Farmer - Member
28. Mrs. Sunia Mundari, Farmwoman - Member
29. Mrs. Rukmani Mundari, Farmwoman - Member
30. Smt. Frida Xalxo, Farm woman - Member
31. Mr. Victor Bodra, Farmer - Member
32. Mr. Jagdish Bhumij, Farmer - Member
33. Mrs. Basanti Kerketta, Subhashree SHG, - Member
34. Mr. Rabi Singh, CEO, Bhumilaxmi FPO - Member
35. Dr. L. Pradhan, Sr. Scientist and Head, KVK, Sundargarh-I - Invitee
36. Sri Samarendra Baral, Scientist (Plant Protection), KVK, Sundargarh-II - Invitee
37. Sri Sanjay Kumar Pradhan, Scientist, Horticulture, KVK, Sundargarh-II - Invitee
38. Smt. Anubha B. Kujur, Prog. Asst. (Seed Sc.), KVK, Sundargarh-II - Invitee
39. Sri Arun Kumar Mishra, Programme Asst. (Computer), KVK, Sundargarh-I - Invitee
40. Dr. Jayant Kumar Pati, Scientist (Extension), KVK, Sundargarh-II -Member Secretary

J. Pati.
28.1.26

Senior Scientist & Head
Sr. Scientist & Head
KVK, Sundargarh-II
Rourkela