

Proceedings of 12th Scientific Advisory Committee (SAC) Meeting of KVK, Sundargarh-II, Rourkela

The 12th 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, at 11.00 AM. on 23.03.2024 in the Conference Hall of ADH, Panposh, Rourkela. Dr. K.S. Das, Principal Scientist, ICAR-ATARI, Kolkata and Dr. G.C. Acharya, Head, ICAR-CHES, Bhubaneswar 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-1- Approval of the proceeding of the 11th SAC meeting.

The Senior Scientist & Head briefly presented the recommendations and suggestions of the 11th SAC meeting. The Chairman took the consent of the members and approved the proceedings

AGENDA-2- Action taken on the proceedings of the last SAC meeting

The Senior Scientist & Head presented the following actions taken by KVK as per the recommendation of the last meeting.

Salient Recommendations	Action taken
Crop diversification programme with oilseeds/pulses should be focussed upon	<ul style="list-style-type: none"> ➤ CFLD on Sesamum demonstration in 10 hectare uplands involving 25 numbers of farmers in Anthuguda village of Nuagaon Block. ➤ 2 nos of Training have been conducted for farmers and farm women at village Putrikhaman in Kuarmunda Block and Gopapali of Lathikata Block.
Management of weeds in enhancing production and productivity in major crops of the district	<ul style="list-style-type: none"> ➤ One training on weed management on vegetable crops conducted at village Nuagaon of Lathikata Block. ➤ OFT conducted on application of Herbicide in Rabi Onion in Village Nuagaon of Block Lathikata & Village Gudgudejore of Bisra block involving 7 nos. of farmers. ➤ In CFLD Oilseed Sesamum, application of herbicides (Pendimethalin) has been demonstrated to 25 nos. of farmers in 10 ha area.
Integrated and biological management of insect , pest and Diseases in crops and vegetable should be given priority	<ul style="list-style-type: none"> ➤ OFT on Fruit fly management in Mango was conducted in Khuntgaon of Nuagaon Block. ➤ Demonstration of Fall Army Worm conducted in Jadakudar village of Lathikata Block & Jharbeda village of Bisra Block involving 10 nos of farmers. ➤ Demonstration on management of Stem borer conducted in Lankoi and Baraiguda of Nuagaon Block. ➤ Demonstration of management of purple blotch was conducted in Balani of Lathikata Block and Budeljore of Bisra Block.

Inclusion of Natural farming activities in the action plan	<ul style="list-style-type: none"> ➤ 6 nos of awareness training conducted with participation of 150 farmers in Bisra, Lathikata & Nuagaon Block. ➤ 2 Awareness Campaign with 100 Nos of participants each conducted in Village Bandol of Koira Block and Kundaposh of Bisra Block. ➤ 8 farmers of Nuagaon, Lathikata and Bisra block have been given critical inputs for demonstration on natural farming techniques. ➤ Extension literature printed for farmers in local language. ➤ Collaborative trainings organized with NIT Rourkela on waste to wealth programme involving 200 participants.
More number activities in Watershed areas.	<ul style="list-style-type: none"> ➤ 6 numbers of training conducted in Erla, Masurikudar, Chengjharan and Kundaposh villages of Bisra Block involving 195 nos of Participants. ➤ 50 numbers of Rose cane, Sprayers and seed kits have been distributed. ➤ Collaborating with Horticulture Department; KVK participated in 2 no of capacity building programme in Kamarposh and Bandol villages of Koira Block.
Technical support to FPOs. To strengthen their activities	<ul style="list-style-type: none"> ➤ 4 nos. of training conducted for FPO management involving 100 nos. of Participants in Nuagaon and Bisra Block. ➤ Technical knowledge given on production and package & practices of different crops like Garden pea at Masurikudar village in Bisra 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.
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. ➤ Provision of Poly house and pro tray was done to Tribal beneficiaries of Kacharu village of Kuarmunda and Gundibali of Lathikata Block for raising vegetable seedling in a protected way. ➤ 100 nos of rose canes & 100 nos. of hand sprayers and 100 nos of safety kits have been provided to Tribal Women under TSP program at Gopapali, Ranto, Villages of Lathikata Block and Nuniapali village of Gurundia block for asset creation under TSP.
Scaling up of nutritional garden in tribal households with installation of supporting structures such as shade net and poly tunnel.	<ul style="list-style-type: none"> ➤ 400 nos. of tribal households provided with 400 kitchen garden seed kits for scaling up nutritional Garden in Lathikata, Nuagaon, Kuarmunda, Bisra & Gurundia Block. ➤ Tribal women of WSHGs were provided with polythene sheet and trellis structure at Ranto Village of Lathikata Block.
To focus on value addition of fruits, vegetables and Millets	<ul style="list-style-type: none"> ➤ 3 numbers of millet recipe contests were organized by KVK at Khuntgaon, Lathikata and Kuarmunda with participation of SHGs, FPOs and NGOs ➤ Imparted value addition of Fruits and vegetable training for 100 participants

Promotion of locally adopted fruits like Guava, Apple Ber, Custard Apple, Mango	<ul style="list-style-type: none"> ➤ In order to promote fruit crops, KVK conducted 01 training on Guava in Ghodabandh village of Nuagaon block for 25 farmers. ➤ 5 nos. of farmers in Nuagaon block have started growing Guava on a commercial basis. ➤ 100 nos. of Apple Ber plant have been provided to 4 nos. of farmers in Nuagaon Block. ➤ One farmer has been promoted for cultivation of Extra early mango variety Arka Neelachal Kesari.
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 100 no of farmwomen and 4 no of trainings conducted to ensure round the year mushroom cultivation in Gurundia, Lathikata & Kuarmunda block. ➤ One SHG of Kuarmunda has made Mushroom a year round activity with support from KVK.
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> <ol style="list-style-type: none"> 1. Potato, variety- Kufri Jyoti, Kufri Pukhraj released by ICAR- CPRI 2. Sesamum, Variety- Suprava University of Calcutta 3. Chilli variety- Pusa SadaBahar .- ICAR <p>Seed kit procured from NHRDF Boudh for nutritional Garden program were having the seeds of Public Institute.</p>
Promote backyard poultry and honey bee	<ul style="list-style-type: none"> ➤ 400 No of chicks (Breed-Saurangi) provided to tribal beneficiaries to promote backyard poultry in Bagbudi, Gopapali and Kansar village of Lathikata Block. ➤ 1 training conducted on Scientific rearing of Honey Bee at Ankurpali village of Nuagaon Block.
Convergence with line departments and other stake holders.	<ul style="list-style-type: none"> ➤ Convergence with horticulture Department- for capacity building programme to enhance the productivity of Fruit crops. ➤ Convergence with Agriculture Department- For awareness programme on Soil Health management, Safe use of pesticide, value addition & Crop diversification. ➤ NABARD & NGOs for handholding support to FPOs. ➤ Regular meeting in Research Extension Linkage form. ➤ Joint field visits & participation as resource persons in all Government programmes.
Production of Low Volume High Value crop	<ul style="list-style-type: none"> ➤ Demonstration of exotic vegetables like Broccoli, Coloured Cauliflower, Red Cabbage, Cherry Tomato, Lettuce, Celery, Parsley, Kale etc. in the farmer's field at Gundibali village of Lathikata Block.
More numbers of activities to be taken on Floriculture	<ul style="list-style-type: none"> ➤ One training on improved method of cultivation of marigold is conducted in Putrikhaman village of Kuarmunda block. ➤ One training on Production of Tuberose and Roses has been imparted in village Birda of Lathikata Block with APC. ➤ One farmer of Badabambua Village of Bisra Block has been promoted for commercial floriculture.
Use of ICT in KVK monitoring activities.	<ul style="list-style-type: none"> ➤ Extensive use of whatsapp being done to monitor, guide and give advisory services to farmers. ➤ Commodity specific whatsapp groups have been made to disseminate information and collect feedback. ➤ Use of audio, video, live streaming of various extension activities being done.

AGENDA-3 – Achievement made by the KVK.

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

Sl. No.	Activity	Target	Achievement
1.	OFT	5	5
2.	FLD	9	9
3.	CFLD (Pulses)	0	0
4.	CFLD (Oilseeds)	1	1
5.	TSP	3	3
6.	Training	50	49
7.	F/FW	38	38
8.	RY	8	7
9.	In-service	4	4
10.	Sponsored training	0	0

AGENDA-4 – Presentation of Action plan for 2024-25

The Senior Scientist & Head presented the activity to be conducted by KVK during 2024-25 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.

- Six numbers of On Farm Trials to be conducted involving 155 number of participants
 - ❖ Assessment of IPM practices for management of Fruit fly in Mango.
 - ❖ Assessment of Bio-efficacy of novel fungicides for management of Blast disease in Paddy
 - ❖ Assessment of different Garlic Varieties
 - ❖ Assessment of INM practices in Banana.
 - ❖ Assessment of Effectiveness of different extension method to access information on different crop production.
 - ❖ Assessment of Effectiveness of various sources of information for pest management in Rice.
- Nine numbers of Front Line Demonstrations are to be conducted involving 90 number of participants
 - ❖ Demonstration on Integrated Management of Fall Army Worm (FAW) in Maize.
 - ❖ Demonstration on biological management of Alternaria leaf spot & Flower blight in Marigold.
 - ❖ Demonstration on management of purple blotch in onion.
 - ❖ Demonstration on IPM module for mealy bug in Okra.
 - ❖ Demonstration of Herbicides Oxyfluorfen in Rabi Onion.
 - ❖ Demonstration of Potato variety Kufri Pukhraj.
 - ❖ Demonstration on nutrient management in Litchi.
 - ❖ Demonstration of Growth promoter for improving fruit retention, yield and quality of Mango.
 - ❖ Demonstration of usefulness of crop/ Livestock calendar for improving the technical knowledge of farmers and adoption of technology.
 - ❖ One number of Cluster Front Line Demonstrations on Oilseed to be conducted involving 200 numbers of beneficiaries on Groundnut.

- Four number of Tribal Sub-plan programmes are to be conducted involving 200 number of beneficiaries
 - ❖ Demonstration of nutritional garden for Improving Nutritional Security of farm families.
 - ❖ Demonstration of Mushroom round the year.
 - ❖ Demonstration of Backyard Poultry.
 - ❖ Demonstration of Garden pea variety- KSP-110.
- Sixty two numbers of trainings including farmers and farm women, rural youth, extension personnel and vocational trainings are to be conducted involving 2040 numbers of participants.

AGENDA-5: All the members actively participated in the discussion and gave valuable suggestion.

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

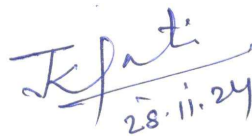
- Dr. K.S. Das, Principal Scientist from ICAR-ATARI, Kolkata gave his kind remarks and views as follows.
 - No. of beneficiaries, Name of villages, Area should be included in the Achievement Slide
 - Statistical analysis of the data should be done for writing good quality paper.
 - Numbers of soil sample testing should increase
 - For holistic development of agriculture, all line department should come together
 - Develop one OFT on Impact assessment of any proven technology.
 - Develop master trainer to carry forward the technologies.
 - Uploading latest information in the KVK portal.
 - Promoting off season vegetables.
- Dean, Extension Education, OUAT, Prof. Dr. P.J. Mishra opined on following aspects
 - Asset creation in convergence mode should be thought of the day.
 - Include OMBADC programmes in the achievement report.
 - Floriculture in cluster mode should be taken up.
 - OUAT Consortia to be included in technology demonstration.
- Dr. P.K. Maharana, SDVO, Panposh in his views expressed the following points
 - Large scale and More numbers of demonstration and training programme should be done in Animal Science discipline.
 - Organising Animal Health camps.
- Dr. Sudhanshu Behera, AFO, Nuagaon, in his views expressed that training on Biofloc should be conducted for developing potential entrepreneurs in fishery sector.
- Dr. G.C. Acharya, Head, ICAR-CHES, Bhubaneswar gave following valuable words
 - Initiate the spice mission by Introducing new spices and conduct some activities in Spice crop.
 - Mango fruit fly trap, cucurbit mango fly trap should be popularised.
 - Conduct some trials on litchi since it has potential in the district.
 - Trials on fruit based cropping system should be thought of.
 - Conducting programme on chilli to combat thrips.
- Sri Dusmanta Behera, ADH, Panposh gave his suggestions for
 - More numbers of training in horticulture discipline.
 - Mushroom spawn availability should be facilitated to potential growers.
 - Promotion of Dragon fruit, Apple Ber and Strawberry should be focussed upon.
 - Promotion of Paddy Straw Mushroom.

- Sri. R. Beck, ADO, Panposh suggest following
 - He opined for Promotion of Non Ragi Millets- jowar, bajra, fox tail millet.
 - Promotion of wheat crop in the district as it was very popular crop in the past.
 - Activities on Spices, tuber crops should be included.
 - More number of training in CDPMLIP area for crop diversification.
 - Activity on convergence mode with ITDA should be explored.
 - Sericulture cultivation can be promoted.
- Dr. Sanjukta Mohapatra, ADR, RRTTS, Chiplima suggested for
 - Introduction of new varieties of millets.
 - Rejuvenation of Old orchard.
 - Shade loving intercrops in orchard.
 - Promotion of rose and tuberose.
- Dr. S. K. Biswasi, OIC, RRTTS Kirei, opined that
 - Millet- Centre of excellence can take up non ragi millets popularisation through KVK partnership.
 - Odia literature on millet has been developed by this centre.
- Odisha Millet Mission representative told the house that
 - Exposure visit should be conducted for farmers to potential millet areas.
 - Kalinga suan 217 should be spread in this district.
- Dr. Laxmipriya Pradhan, Sr. Scientist & Head, KVK, Sundargarh-I, in her suggestion told about Model protected structure in convergence mode should be thought upon.
- Dr. Sameer Ranjan Dash, Sr. Scientist & Head, KVK, Jharsuguda, in his address focused following points
 - 120-130 days duration of paddy should be promoted in the district.
 - Cluster approach of floriculture can help the farmers to get better returns since there is an urban market nearby.
- Sri Jagadish Behera, ADO, Sundargarh in his address focused following points
 - Successful demonstration in the KVK campus & also in village are to be widely publicised for greater awareness.
- DISHA NGO Coordinator, Mr. Dillip Mohanty requested for different Demonstrations in Karkatnasa, Ghodabandh in Nuagon block.
- Sri Naresh Mahananda, BAO, Koira suggested following points.
 - More number of farmers in Koira area to be included in Kisan Portal.
 - Distribution of literature on cost basis to interested farmers.

Summing up by the Chairman

- Promoting millets through SHGs, FPO and NGO's especially non ragi millets.
- Inclusion of Animal Science in TSP and Natural Farming activities.
- Activity on spice crop to be taken.
- Integrated and biological management of insect, pest, diseases in crops and vegetables should be given priority.
- Technical support of FPOs to strengthen their activities.
- Crop diversification programmes with oilseeds/pulses should be focused upon.
- Asset creation for TSP beneficiaries.
- Scaling up of Nutri-Garden concept with supporting structure like polytunnel & shade net houses.
- Expansion of mushroom enterprise to make it a round the year activity, along with spawn production techniques and value addition training.
- Value addition of fruits & vegetables should be promoted through WSHGs.
- Tribal household should be encouraged to promote back yard poultry enterprise.
- Floriculture should be popularised among peri urban farmers.
- NTFP activities should be popularised.
- Use of ICT in KVK mandatory activities with focus on videos , whatsapp groups etc. for dissemination of information
- Conduct trials / demonstration using seeds (varieties) released by OUAT/ICAR institute and public extension system as first priority.
- Promote locally adapted fruits like apple Ber, Custard Apple, Mango, Guava & Litchi.

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



28.11.24

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

List of Members Present: -

- | | |
|--|-------------------|
| 1. Dr. P.J. Mishra, Dean, Extension Education, OUAT, Bhubaneswar | - Chairman |
| 2. Dr. K.S. Das, Principal Scientist from ICAR-ATARI, Kolkata | - Member |
| 3. Dr. G.C. Acharya, Head, ICAR-CHES, Bhubaneswar | - Member |
| 4. Dr. Sanjukta Mohapatra, ADR, RRTTS, Chiplima | - Member |
| 5. Mr. R. Beck, ADO, Panposh | - Member |
| 6. Mr. Dushmanta Kumar Behera, ADH, Panposh | - Member |
| 7. Dr. Prasanna Kumar Maharana, SDVO, Panposh | - Member |
| 8. Sri Jagdish Prasad Behera, ADO, Sundargarh | - Member |
| 9. Sajeeb Biswasi, Sr. Scientist, RRTSS, Kirei, Sundargarh | - Member |
| 10. Mr. Ripu Sudan Majhi, Asst. Agriculture Engineer, Panposh | - Member |
| 11. Dr. Sudhansu S. Behera, AFO, Nuagaon | - Member |
| 12. Sri Naresh Mahanda, BAO, Koida | - Invitee |
| 13. Mrs. Dukhini Bishi, BAO, Bonei | - Invitee |
| 14. Mrs. Karunakanti Tete, BAO, Lahunipara | - Invitee |
| 15. Sri SS Guru, AAO, Gurundia | - Invitee |
| 16. Sri Dilip Mohanty, DISHA NGO | - Member |
| 17. Mr. Sukdev Pradhan, Khuntgaon FPO | - Member |
| 18. Mr. Somra Khalkho, Khuntgaon FPO | - Member |
| 19. Sri Druba Charan Mohato, Kamal FPO | - Member |
| 20. Sri Arobinda Mohanty, Farmer | - Member |
| 21. Mr. Tapas Behera, Farmer | - Member |
| 22. Mrs. Sunia Mundari, Farmwoman | - Member |
| 23. Mrs. Rukmani Mundari, Farmwoman | - Member |
| 24. Smt. Simi Bhumij, Farm woman | - Invitee |
| 25. Sri Nath Charan Behera, Farmer | - Invitee |
| 26. Smt. Bilasi Mundari, Farm woman | - Invitee |
| 27. Dr. L. Pradhan, Sr. Scientist and Head, KVK, Sundargarh-I | - Invitee |
| 28. Dr. Samir Ranjan Das, Sr. Scientist and Head, KVK, Jharsuguda | - Invitee |
| 29. Dr. Manoj Kumar Jena, Scientist, Soil Science, KVK, Sundargarh-I | - Invitee |
| 30. Sri Samarendra Baral, Scientist (Plant Protection), KVK, Sundargarh-II | - Invitee |
| 31. Sri Sanjay Kumar Pradhan, Scientist, Horticulture, KVK, Sundargarh-II | - Invitee |
| 32. Sri Asish Kumar Mohanty, Scientist, Horticulture, KVK, Sundargarh-I | - Invitee |
| 33. Sri D.J. Bage, Scientist, Extension, KVK, Sundargarh-I | - Invitee |
| 34. Sri Dibyendu Mandal, SMS, Agronomy, KVK, Sundargarh-I | - Invitee |
| 35. Smt. Anubha B. Kujur, Prog. Asst. (Seed Sc.), KVK, Sundargarh-II | - Invitee |
| 36. Sri Bidyadhar Tudu, Prog. Asst. (Forestry), KVK, Sundargarh-I | - Invitee |
| 37. Sri Lingaraj Kisan, Principal, Agro Polytechnic Center, Rourkela | - Invitee |
| 38. Sri Jyoti Ranjan Rath, Instructor, Agro Polytechnic Center, Rourkela | - Invitee |
| 39. Sri Rati Ranjan Mohanty, Instructor, Agro Polytechnic Center, Rourkela | - Invitee |
| 40. Sri Somadutta Mohanty, Programme Asst. (Computer), KVK, Sundargarh-II | - Invitee |
| 41. Sri Arun Kumar Mishra, Programme Asst. (Computer), KVK, Sundargarh-I | - Invitee |
| 42. Sri Chakrddhar Sahu, AMO, RRTSS, Kirei | - Invitee |
| 43. Miss Monalisa Sethi, Steno, Agro Polytechnic Center, Rourkela | - Invitee |
| 44. Dr. Jayant Kumar Pati Scientist (Extension), KVK, Sundargarh-II | -Member Secretary |