

**PROCEEDINGS OF THE 18TH SCIENTIFIC ADVISORY COMMITTEE MEETING
OF KRISHI VIGYAN KENDRA, ANGUL HELD ON 18TH DECEMBER 2021**

The 18th Scientific Advisory committee meeting was held on 18th December, 2021 at 10.30 A.M at Krishi Vigyan Kendra, Angul premises in hybrid mode under the Chairmanship of Prof. Prasannajit Mishra, Dean Extension Education, OUAT, Bhubaneswar in presence of Dr. Avijit Haldar, Principal Scientist, ICAR-ATARI, Kolkata, Zone-V.

After a warm welcome to the members & invitees by Dr. Debasis Mishra, Senior Scientist & Head, the meeting began with the brief introduction by Dean, Extension Education, OUAT regarding the purpose of SAC meeting. The Chairman briefed the house about the significance of SAC & asked Senior Scientist & Head, KVK, Angul to proceed as per the agenda. Members present in the meeting are annexed herewith at Annexure-I.

AGENDA-I

Approval of SAC proceeding:

17th Scientific Advisory Committee meeting was held on dt.11th January 2021 and the proceeding of which was approved by the competent authority of the university on dt.29th November 2021. The approved 17th SAC proceeding was circulated to all the members vide letter no.610, dt.14th December 2021.

AGENDA-II

Senior Scientist & Head, KVK, Angul presented brief achievement of *Rabi*, 2020-21, *Kharif*, 2021 as well as *Rabi*, 2021-22, proposed action plan for 2022-23 and action taken report of the 17th SAC meeting recommendations.

ACTION TAKEN REPORT

Recommendation	Action Taken
Promising varieties of pulses like Greengram and Blackgram should be incorporated in rice-fallow areas of the district	Cluster Front Line Demonstration on Green gram IPM-2-14 was conducted in 20 ha during <i>Rabi</i> , 2020-21
KVK should provide good quality layer poultry breeds	A total of 150 White Leghorn and 300 RIR brooded chicks were produced under RF and supplied to poultry farmers during <i>Kharif</i> , 2021
KVK should conduct demonstrations on hydroponic and other perennial fodder cultivation	An FLD on Hybrid Napier var. CO-4 was conducted involving 05 nos. of dairy farmers during <i>Kharif</i> , 2021
KVK should organize training programme on bio-floc management	One rural youth training involving 15 nos. of participants was conducted on bio-floc management during 29 th to 30 th September 2021
KVK should produce and supply saplings of mango and guava	300 air-layered Guava saplings were produced during 2021-22 under RF and sold
KVK should conduct some demonstration programmes on sweet potato	An FLD on “Value addition on Sweet potato” was conducted during <i>Rabi</i> , 2020-21 and will be repeated this year

Recommendation	Action Taken
KVK should conduct demonstration programme on value addition in millet and forest products like Mahua	An FLD on “Preparation of value added products from finger millet” was conducted during <i>Rabi</i> , 2021-22
KVK should conduct soil testing in its laboratory	Efforts were made to make the existing soil laboratory functional
Nutritional garden model should be planned on caloric value of the vegetables and crops	An FLD on “Organic Nutritional Garden” was conducted during Kharif and <i>Rabi</i> , 2021-22 to meet the nutritional requirement of the farm family as per RDA
KVK should popularize cauliflower and maize cultivation in organic manner	Training on “Preparation of bio-pesticides & its use in vegetable cultivation” was conducted by KVK and one demonstration on “DBM management in Cauliflower” was conducted during <i>Rabi</i> , 2021-22
Off-season vegetable cultivation should be promoted	In collaboration with APC project, KVK has regularly monitored the off-season vegetable cultivation programme in the district

AGENDA-III

ACHIEVEMENTS 2021-22 AND ACTION PLAN 2022-23:

The Senior Scientist & Head presented the detailed achievements as per action plan for the year 2020-21 (*Rabi*) and 2021-22 (*Kharif & Rabi*).

Achievements made by KVK, Angul during *Rabi*, 2020-21

KVK has conducted 3 nos. of OFTs, 2 nos. of CFLDs during *Rabi*, i.e., 20 ha of Groundnut under oilseeds and 20ha of Green gram under pulses. Also 11 nos. of FLDs on other crops / enterprises in covering all major thrust areas of the district were conducted.

Achievements during 2021-22 (*Kharif*)

KVK has conducted 7 nos. of OFTs, a CFLD on Groundnut covering a total of 10 ha and 11 nos. of FLDs on other crops / enterprises covering all major thrust areas of the district.

Trainings

KVK has conducted 24 nos. of training programmes for 600 nos. of farmers / farmwomen, 7 nos. of trainings for 105 nos. of rural youths and 5 nos. of trainings for 75 nos. of In-service personnel during *Rabi*, 2020-21 on various aspects of Agriculture and allied discipline. Similarly, during *Kharif*, 2021-22, 33 nos. of training programmes for 825 nos. of farmers / farmwomen, 8 nos. of training for 120 nos. of rural youths and 5 nos. of trainings for 90 nos. of In-service personnel were conducted.

Extension activities

KVK has conducted Extension activities like Akshya Tiritiya, Vanamahotsav, World food day, Live telecast programme on “Balanced use of fertilizer”, Farmers’ Fair, Vigilance awareness week, National unity day, Exhibition, Field Days, SHGs Convention Meet, Method Demonstration, Film Show, Ex-trainee Sammelan & Farmers’ Club Convention meet and Gosthi Meetings etc. Publications like Newsletter, Booklet, leaflet, research paper and research notes

were prepared. Sixty nos. of KMA messages have been delivered to 70,553 nos. of farmers during the reporting period.

Instructional Farm

Quality planting materials (16,621 nos. Vegetable seedlings & 214 nos. Guava gooty), Mushroom spawn (2,966 bottles), Paddy straw mushroom & Oyster mushroom (0.7 q) and Vermicompost (9.15 q), Azolla (0.65 q), Poultry chicks (3082 nos.) with 147 eggs, Banana (283 plantains) and IMC advanced fingerlings (32,000 nos.) were produced in the Instructional Farm.

Ongoing programme for *Rabi*, 2021-22

During *Rabi*, 2021-22 five nos. of OFTs, a CFLD on Groundnut covering a total of 10 ha, 11 nos. of FLDs are being conducted. Also 28 nos. of F/FW, 04 nos. of Rural Youth, 05 nos. of In-service trainings are being conducted.

Action Plan for 2022-23

During 2022-23, 12 nos. of OFTs, 24 nos. of FLDs were proposed to be conducted. Also 72 nos. of training for F/FW, 12 nos. for Rural Youth, 06 nos. of In-service trainings were proposed to be conducted.

Release of Publication

The Chairman and other dignitaries released the KVK newsletter “Krusha Taranga”

AGENDA-IV

SUGGESTION OF MEMBERS:

- The ADR, RRTTS, Mahisapat suggested that, as Atrazine is banned, a new herbicide for Maize may be tested.
- The Senior Scientist (Entomology), RRTTS, Mahisapat suggested to use Spinetoram 11.7 % SC for managing DBM in cole crops.
- The CDAO, Angul emphasized for popularizing pulses like Field pea and Bengal gram as pyra crops.
- The DDH, Angul advised for popularization of intercropping of marigold in major vegetables cultivated during *Rabi*. He also suggested to take up capacity building programme of farmers /WSHG on mango processing. Moreover, long duration trainings on sweet potato processing may be organized for additional income generation of the practicing farmers.
- The PD, Watershed, Angul emphasized for conducting different trainings related to judicious use of water for various crops.
- The ADF, Angul suggested to conduct trainings and demonstrations on Bio-floc and Ornamental fish cultivation for Farm women/WSHGs.
- The DDM, NABARD has given his opinion for extending proper guidance on Jackfruit processing by KVK through trainings/demonstrations.
- The representative of FES, Angul focused on conducting trainings on popularization of millets in the district.
- The District Coordinator, APC project suggested KVK to promote organic cultivation of cabbage & cauliflower and the effort to be directed for promotion of new fruit crops like apple ber, dragon fruit etc.

- A progressive farmer Mr. Lalmohan Singh urged the KVK to provide the production technologies of Elephant Foot Yam and Colocasia.

Remarks by the Principal Scientist, ATARI

- A commercially viable technology for Bio-floc must be validated before its popularization.
- Trainings should be conducted on Value addition in milk.
- Farmers should get the critical inputs like Bypass fat/protein at local level after completion of the FLD.
- Each FLD should be proposed after the assessment/refinement through OFT.
- Azolla as a fodder for sustainable livestock management should be promoted.
- Instead of conducting 1 ha FLD on cultivation of green gram in Rice-fallow, the area and number of participants may be increased.
- Along with Mineral mixture and Multi-enzyme as Technological Options in OFT, any feed supplement like pre-biotic/growth promoter may be included as another technological option.

Special Remarks by the Chairman

- KVK should focus on the mandatory activities and overall growth of farmers.
- Exposure visit of the trainees to progressive farmers' fields should be undertaken for successful technology dissemination.
- Under the OFT of Agro-forestry, minimum 3 crops including spices may be taken as different technological options.
- Fingerling production should be emphasized in KVK farm.
- Actively involved SHGs under OLM should be selected for different capacity building programme.
- Pineapple as an intercrop in mango orchard should be popularized in the district.
- Documentation of success stories and videos of successful farmers should be done and uploaded in social media.

The Chairman thanked all the members for their active participation and valuable suggestions. He further expressed his satisfaction and requested for their active cooperation for proper functioning of the KVK.

AGENDA-V: Salient recommendations of SAC members

- ❖ New generation pesticides to be tested for managing DBM in cole crops.
- ❖ A new herbicide for Maize may be tested.
- ❖ Trainings related to judicious use of water for various crops should be undertaken.
- ❖ Trainings and demonstrations on Bio-floc and Ornamental fish cultivation for Farm women/WSHGs should be conducted.
- ❖ Trainings on popularization of millets in the district should be given priority.
- ❖ Efforts to be directed for promotion of new fruit crops like apple ber, dragon fruit etc.
- ❖ Azolla as a fodder for sustainable livestock management should be promoted.
- ❖ More area under Rice-fallow should be converted to Rice-Green gram/Black gram cropping system.

- ❖ Minimum 3 crops including spices may be taken as different technological options for an OFT of Agro-forestry discipline.
- ❖ Fingerling production should be emphasized in KVK farm.
- ❖ Actively involved SHGs under OLM should be selected for different capacity building programme.
- ❖ Pineapple as an intercrop in mango orchard should be popularized in the district.
- ❖ Documentation of success stories and videos of successful farmers should be done and uploaded in social media.

AGENDA-VI

Constraints:

- As the KVK area is not completely surrounded by boundary wall, stray cattle menace is a regular problem for which it becomes very difficult to conduct various farm activities.
- As the instructional farm area is very undulating, land development needs to be done for conducting seed production and other demonstration activities during different seasons.
- The lack of irrigation facilities hinders the instructional farm activities during *Rabi* season.

The meeting ended with vote of thanks by Dr. Gyana Ranjan Sahoo, Scientist (Forestry).

Debasis Mishra
08/12/22
Senior Scientist & Head
KVK, Angul

[Signature]
8/12/22
JOINT DIRECTOR EXTENSION
(DISTANCE EDUCATION)
O.U.A.T., BHUBANESWAR

Approved,
[Signature]
8/12/22

DEAN
Extension Education,
OUAT, Bhubaneswar.

MEMBERS PRESENT ON SEVENTINTH SAC MEETING OF KVK, ANGUL

Sl.No.	Name	Designation	Status	Mode of joining
1	Prof. Prasannajit Mishra	Dean, Extension Education, OUAT	Chairman	Online
2	Dr. Avijit Halder	PS, ICAR-ATARI, Kolkata, Zone-V	Co-chairman	Online
3	Dr. Debashish Swain	ADR, RRTTS, Mahisapat, Dhenkanal	Member	Online
4	Dr. G.A.K. Kumar	Principal Scientist, NRRI, Cuttack	Member	Online
5	Sri Debaraj Mohanty	Chief District Agriculture Officer	Member	Physical
6	Sri. Padmalochan Das	Deputy Director of Horticulture	Member	Physical
7	Sri Shiba Prasad Padhi	Project Director, Watershed	Member	Physical
8	Smt. Subhasmita Ghadei	Addl. Fisheries Officer (Angul Zone) (Represented DDF, Dhenkanal)	Member	Physical
9	Dr. Pradyot Kumar Mishra	ADVO, Angul	Member	Online
10	Mr. P. K. Mohapatra	IPO, DIC, Angul	Member	Physical
11	Mrs. Swetapadma Sahoo	Asst. Engg. (Lift Irrigation)	Member	Physical
12	Mr. Om Kumar Chandrakar	Prog. Manager, FES, Angul	Member	Physical
13	Dr. Tiryak Kumar Samant	Scientist, Agronomy	Member	Physical
14	Dr. Gyana Ranjan Sahoo	Scientist, Forestry	Member	Physical
15	Mrs. Dharitri Patra	Scientist, Home science	Member	Physical
16	Dr. Ipsita Mishra	Scientist, Plant Protection	Member	Physical
17	Dr. Monalisa Behera	Scientist, Animal Science	Member	Physical
18	Ms. Rutuparna Paikray	SMS, Agromet (DAMU)	Member	Physical
19	Mrs. Sairendri Behera	Progressive Farm Women, Partara	Member	Physical
20	Mrs. Lipi Sahu	Progressive Farm Women, Sankhapur	Member	Physical
21	Mr. Bibhutibhusan Pradhan	Progressive Farmer, Ragudiapada	Member	Physical
22	Mr. Abhaya Kumar Sahu	Progressive Farmer, Barasingha	Member	Physical
23	Dr. Sujit Kumar Nath	Sr. Scientist & Head, KVK, Deogarh	Spl. Invitee	Physical
24	Mr. Asish Rath	District Co-ordinator, APC project, Angul	Spl. Invitee	Physical
25	Dr. Debabrata Panigrahi	Senior Scientist, RRTTS, Mahisapat	Spl. Invitee	Online
26	Dr. Debasis Mishra	Sr. Scientist & Head, KVK, Angul	Member Convener	Physical



Debasis Mishra
08/12/22

Senior Scientist & Head
KVK, Angul