F.No. 9-1/2017/Oilseeds/CA  
Govt. of India  
Ministry of Agriculture & Farmers’ Welfare  
Department of Agriculture, Cooperation & Farmers’ Welfare  
(Oilseeds Division)  
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Krishi Bhawan, New Delhi  
Dated: 02nd February, 2018

To  
The Director  
ICAR-Indian Institute of Oil Palm Research  
Pedavegi-534450  
Andhra Pradesh

Sub: Minutes of the Review Meeting of R&D Projects under NMOOP held on 19.01.2018 at ICAR-IIOPR, Pedavegi, Andhra Pradesh -reg.

Sir,

I am forwarding herewith a copy of minutes of the Review Meeting of R&D Projects under NMOOP held on 19.01.2018 at ICAR-IIOPR, Pedavegi for information and necessary/ follow up action.

This issues with the approval of the competent authority.

(Dr. Anupam Barik)  
Addl. Commissioner (Oilseeds)

Distribution:
1. Director, ICAR-IIISR, Khandwan Road, Indore.  
2. Dr. S.N, Tiwari, Director, GBPUA&T, Pantnagar, Uttarakhand  
3. Dr. P. K. Rai, Director, ICAR-DRMR, Sewar, Bharatpur.  
4. Dr. A.Vishnuvardhan Reddy, Director, ICAR-IIOR, Director, Hyderabad.  
5. Director, Directorate of Oilseeds Development, Hyderabad.  
6. Dr. Radhakrishan, T., Director, ICAR-DGR, Junagadh.  
7. Sh. David Bergvison, Director General, ICRISAT, Panchancheru.  
8. Dr. Navtej Singh, Director of Research, PAU, Ludhiana.  
9. Dr. Chirantar chattopadhyay, Vice Chancellor UBKV, Pundibari, West Bengal.  
10. All Principal Investigator of R&D Project.

Copy to:
1. PPS to Secretary, (AC&FW), Krishi Bhawan, New Delhi.  
2. PPS to Agriculture Commissioner, DAC&FW, Krishi Bhawan, New Delhi.  
3. PPS to Joint Secretary, Oilseeds, DAC&FW, Krishi Bhawan, New Delhi.  
4. Director (Oilseeds) DAC&FW, Shastri Bhawan, New Delhi.
Minutes of the Review Meeting of R&D Projects under NMOOP held on 19th January, 2018 at ICAR-IIOPR, Pedavegi, Andhra Pradesh

A meeting to review the R&D projects supported under NMOOP was held under the Chairmanship of Agriculture Commissioner, DAC&FW on 19th January, 2018 at ICAR-IIOPR, Pedavegi, AP. The list of participants is annexed.

At the outset, the Director, ICAR-IIOPR welcomed the participants and expressed his gratitude to DAC&FW for choosing the institute as venue for the review meeting of R&D projects. The Chairman in his opening remarks highlighted the importance of oilseeds sector in the agricultural economy of the country and expressed concern about the huge import of edible oils with significant burden on foreign exchequer. He informed that the roadmap for oilseeds production has recently been prepared and new interventions like seed hub and small oil expellers have been included in the EFC. However, the implementation of NMOOP will be integrated along with National Food Security Mission (NFSM) from the current year with a separate budgetary provision. He emphasized upon the need to generate awareness to reduce the per capita edible oil consumption for avoiding health related issues.

The first presentation was made by GBPUA&T, Pantnagar, Uttarakhand who reported that about 70 ha demonstration with new varieties viz. Pant Pili Sarson 1 (Yellow Sarson), PR 20 (Mustard) and PT 303 (Rapeseed) with improved package of practices has been undertaken in Tarai/Bhabhar areas of Haridwar & Dehradun districts in the plains and Pauri, Bageshwar and Champawat districts in the hills. Farmers’ training has been planned to be organized in the month of Jan-Feb., 2018. The Chairman desired that as per objective of the project, efficient water utilization methods have not been adopted. He suggested that along with varieties, critical components like sulphur nutrition etc should also be included in the package to which it was informed that the same is being already included by the centre.

ICAR-IIOR, Hyderabad, Telangana in their presentation reported that seed production of castor hybrids, DCH 519 and DCH 177 in 40 ha area in Telangana, 10 ha in Haryana has been organized along with FLDs with BMPs in about 40 ha area in Telangana, Andhra Pradesh and Tamil Nadu. The sowing of crop was done during Sept-Oct., 2017 and 5 training/workshops have been organized. The Chairman pointed out that the quantity of seed to be produced should have been indicated and the quality seed produced from the programme must be utilized for further area expansion under castor in various states.

ICRISAT, Hyderabad, Telangana in their presentation highlighted the development and release of high oil as well as higher pod yielding groundnut varieties viz. GJG 32 for zone-V (upper Gangetic Plains & UP) and GJG 33 for zone-III-b (West Bengal) which out yielded the best check ICGV 00350. A few entries like ICGV 07222 and ICGV 06424 showed over 50% high oil content across locations over 3 years testing. These two lines together with ICGV 03042 recorded 35-46% pod yield over best check R 8808 and have been promoted to AVT. For the first time 16 high oleic
lines of groundnut with more than 75% oleic acid are under evaluation in AICRP programme. About 4000 kg breeder seed of high oil groundnut varieties was produced during rainy season 2017. In addition, 3500 kg seed of ICGV 03043 was produced at farmers’ field from the breeder seed supplied during rainy season 2017. The centre has developed innovative technologies for use in groundnut breeding and faster testing of lines having commercialization potential. The centre is organizing a Groundnut Field Day on 20th Jan., 2018.

ICAR-DGR, Junagarh, Gujarat presented the highlights of work done under augmentation of groundnut seed production in Rajasthan and Eastern India (West Bengal) to enhance productivity and seed replacement ratio. Breeder seed production of groundnut variety Girnar 2 was undertaken at CIEWSI, Bikaner in 6 ha area during kharif 2017 and about 72 q breeder seed has been produced. Under seed infrastructure development, work at West Medinipur centre is yet to be started but about 70 q breeder seed allotted to it has been produced at DGR, Junagarh. The centre requested for allowing the utilization of revolving fund from the seed production at the institute itself. The Chairman desired that ICAR may decide about the same for the benefit of the project implementation, however in case of any specific difficulty, DAC&FW may be approached accordingly.

UBKV, Pundibari, West Bengal undertake promotion of oilseed crops in Northern districts of West Bengal and conducted 50 ha demonstration of rapeseed-mustard and 25 ha in groundnut in 4 districts viz. Coochbehar (20 ha+4 ha), Uttar Dinajpur (5 ha+6.5 ha), Dakshin Dinajpur (10 ha+2 ha) and Malda (15 ha + 12.5 ha). The mandated training of farmers will be conducted. The centre has undertaken demonstration under conservation agriculture with site specific nutrient management. Validation trials on mustard and groundnut were also undertaken in the above 4 districts. The centre faced problem of availability of seed of appropriate groundnut varieties. It was suggested by the Chairman that the centre may procure seed of appropriate notified new groundnut varieties from ICAR-DGR or ICRISAT.

PAU, Ludhiana, Punjab presented the results of 115 field trials on improved white seeded sesame variety Punjab Til 2 conducted during kharif, 2017 in 5 districts viz. Pathankot (20), SBS Nagar (50), Hoshiarpur (10), Ropar (25) and Amritsar (10). Average seed yield level upto 10.3 q/ha was recorded in some districts which is quite encouraging. About 100 demonstrations have been conducted on Canola varieties GSC 7 and RLC 3. Popularization of Canola varieties is being attempted through organization of Canola Day and processing & marketing of Canola under the brand ‘Teg Seed Farm’ for health benefits because of low erucic acid and glucosinolate content. It was suggested by the Chairman that the trade name Canola may be suitably modified so as to avoid any proprietary rights issue.

ICAR-IIOPR, Pedavegi, AP presented highlights of activities conducted under 6 sub projects on oil palm. Under skill development, 9 trainings of officers and 17 trainings of farmers were conducted in various oil palm growing states in which 302 officers and 944 farmers were trained. The development of seed standards for oil palm seed gardens was initiated in Dura as females (720 trees) and Pisifera as males (435 trees). Selection procedure of mother palm in the
seed garden is being standardized. Development of elite planting material for next generation seed gardens of oil palm was undertaken at 6 centres of IIOPR in AP (2), Kerala (1), Karnataka (1), Maharashtra (1) and West Bengal (1). Selection of promising mother plants of each centre to develop breeding material for high FFB yield, better oil and moisture stress tolerance is under progress. Dwarf mother palms selected by farmers based on height and yields have been identified for utilization in crossing programme. Mobile app on “Oil palm crop doctor” for digital dissemination of technology has been designed and developed which will be further developed in vernacular languages. Video repository on various aspects of oil palm pests & diseases and deficiency symptoms have been developed for efficient control measures. Utilization of oil palm bio-mass from different plant parts for development of various by-products through fibre extraction is in progress. The Chairman apprised that development of seed standards for minor crops is in progress and oil palm will also be included into the list. IIOPR was requested to provide draft standards for seed certification.

The Chairman in his concluding remarks informed that due to the change of the plan period and lack of clarity on the continuation of the mission, the projects were funded for one year only (2017-18). However, with the approval of EFC for the continuation of the scheme through merger with NFSM, the programme will be continued for the next two years i.e. upto 2019-20. Project proposals will be invited afresh as per the allocation of funds for Central Agencies under the scheme NFSM-Oilseeds & Oil Palm including TBOs. The centres should make all out efforts to utilize the remaining funds and carry out work on a mission mode so as to achieve the target of enhancing production and productivity of oilseeds, oil palm and TBOs for attaining self-sufficiency in vegetable oils sector. The Chairman expressed displeasure on the lack of participation from ICAR-DRMR, Bharatpur, Rajasthan.

The following action points emerged from the deliberations:

- The Principal Investigators should strive to bring out concrete results of application value for the benefit of oilseed growers. They are required to submit a brief note on salient outcomes of their respective projects to DAC&FW that could be transferred to the stake holders and states wherever needed.

  **Action:** All PIs of the project

- The centres should have strong linkage and coordination with their respective State Departments of Agriculture/ Horticulture and farmers’ groups for faster and wider dissemination of technologies.

  **Action:** All centres

- The centres should make all out efforts to utilize the funds in the current financial year as revalidation may not be possible. There will be no liabilities of the contractual staff engaged under the project beyond 31 March, 2018.

  **Action:** All centres

The meeting ended with vote of thanks to the Chair.
After the meeting, a visit was made to farmers’ fields and to the oil palm processing plant of AP Oil Fed. The rainfall from North-East monsoon was -40% deficient and during winter (1st January onwards) -99%. The fund utilization under NFSM is about 64% and under MM-I of NMOOP is 100%. However, the State will be submitting a demand of Rs. 3.42 crore from the total allocation of fund under NMOOP.

At village Seethapuram, farmer Sri Satyanarayana has undertaken seed production of maize hybrid Pioneer 702 in paired rows with drip fertigation supported from PMKSY. The crop condition was excellent, but farmers raised the issue of low market price of the produce. It was requested to establish agro-based (corn or cocoa based) industries so as to get remunerative price of the farm produce through value addition. An oil palm orchard of 25 acres by farmer Sri Venkat Rao was visited. The plantation of the orchard was done by late Sri N T Rama Rao, former Chief Minister of AP. Another oil palm orchard planted with exotic seedlings by a farmer was also visited. The farmers requested to establish custom hiring centres for farm machineries including hydraulic oil palm harvesters, which is a major hurdle faced by the oil palm growers. The State Agriculture Department officials demonstrated the digital transfer of subsidy from various Central schemes through DBT to the farmers, which was worth appreciating.

The following action points emerged during the visit:

- The fund utilization under various components of NFSM is low, which needs to be accelerated and the fund utilization under MM-II (Oil palm) of NMOOP was not provided.
  
  **Action: State Department of Agriculture & Horticulture, AP**

- A sound mechanism must be put in place for ensuring remunerative price to the farmers for their farm produce including FFBs of oil palm.
  
  **Action: State Department of Agriculture & Horticulture, AP**

- Custom hiring centres for farm machineries including oil palm harvesters may be established along with value addition centres by involving farmers’ groups.
  
  **Action: State Department of Agriculture & Horticulture, AP**

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LIST OF PARTICIPANTS

1. Dr. S. K. Malhotra, Agriculture Commissioner, DAC&FW, Krishi Bhawan, New Delhi.
2. Dr. R.K. Mathur, Director, ICAR-IIOPR, Pedavegi, West Godavari District-534450, AP.
3. Dr. M. Dutta, National Consultant (Oilseeds), DAC&FW, Shastri Bhawan, New Delhi.
4. Dr. K. Ponnumy, Joint Director, Directorate of Oilseeds Development, Himayat Nagar, Hyderabad-500029.
5. Dr. Anil Shukla, Professor, Agronomy, GBPUA&T, Pantnagar, Uttarakhand.
6. Dr. M.S. Negi, Professor, Agronomy, GBPUA&T, Pantnagar, Uttarakhand.
7. Dr. S.K. Bera, Pr. Scientist, ICAR-Directorate of Groundnut Research, Ivnagar Road, Junagadh- 362001, Gujarat.
8. Dr. Narendra Kumar, Scientist, ICAR-Directorate of Groundnut Research, Ivnagar Road, Junagadh-362001, Gujarat.
9. Dr. Suvendu Kumar Roy, Professor, GPB, UBKV, Pundibari, Cooch Behar, WB.
10. Dr. Surajit Kundu, Asstt. Professor, Agronomy, UBKV, Majhian, Dakshin Dinajpur, WB.
11. Dr. P. Janila, Sr. Scientist (Groundnut Breeding), ICRISAT, Patancheru, Hyderabad.
12. Dr. (Mrs.) Surinder K Sandhu, Sr Scientist, PAU, Ludhiana, Punjab.
14. Dr. S.N. Sudhakara Babu, Pr. Scientist, ICAR-IIIOR, Hyderabad-500030, Telangana.
15. Dr. G. Suresh, Pr. Scientist, ICAR-IIIOR, Hyderabad, Telangana.
16. Dr. M.V. Prasad, Pr. Scientist & PI, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
17. Dr. P. Kalidas, Pr. Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
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19. Dr. K. Suresh, Pr. Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
20. Dr. K. Manorama, Pr. Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
21. Dr. K. Ramachandruudu, Pr. Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
22. Dr. K. Sunil Kumar, Pr. Scientist, ICAR-IIOPR, RC, Pedavegi, West Godavari -534450, AP.
23. Dr. G. Ravichandran, Pr. Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
24. Dr. K.L. Mary Rani, PI, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
25. Dr. K. Praveena Deepthi, Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
26. Dr. B. Kalyan Babu, Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
27. Dr. P. Anitha, Scientist, ICAR-IIOPR, Pedavegi, West Godavari -534450, AP.
Direct Benefit Transfer of Subsidy

Visit to Oil Palm Orchard

Interaction with Oil Palm Growers

Fertigation Technology Adopted in Maize Cultivation

Maize Crop in Paired Rows with Drip Irrigation

Newspaper Coverage in Eenadu, West Godawari (20.01.2018)