Subject: Minutes of Orientation Workshop-cum-Review Meeting of NMOOP and NFSM for NE states held from 10th - 11th November, 2014 at Khanapara, Guwahati -reg.

The undersigned is directed to forward herewith a copy of the minutes of the Orientation Workshop-cum-Review Meeting of NMOOP and NFSM for NE states held on 10th - 11th November, 2014 at Khanapara, Guwahati for information and necessary follow-up action. Copy of the minutes is also available at website www.nmooq.gov.in. It is requested that Action Taken Report (ATR) in respect of issues pertaining to your Department/Organization/Institutions may kindly be intimated to this Department.

Distribution: As per list attached.

Copy for information:

1. PPS to Secretary (A&C), DAC, Krishi Bhawan, New Delhi.
2. PPS to Addl. Secretary (AKS), DAC, Krishi Bhawan, New Delhi.
3. PPS to Agriculture Commissioner, DAC, Krishi Bhawan, New Delhi.
4. PPS to Joint Secretary (OS), DAC, Krishi Bhawan, New Delhi.
Minutes of Orientation Workshop-cum-Review Meeting of NMOOP and NFSM for NE states held from 10th - 11th November, 2014 at Khanapara, Guwahati

Two days Orientation Workshop-cum-Review Meeting of NMOOP and NFSM for NE states was organized by DAC at Indian Institute of Bank Management, Khanapara, Guwahati on 10th and 11th November, 2014 in association with Department of Agriculture, Government of Assam. Participants consisting of representative of State Department of Agriculture/Horticulture of 8 NE states; Scientists of Research Institutions of ICAR; CAU Manipur; AAU, Assam; representatives of Oil Palm Developers and Processors; Central Seed Producing Agencies and officers of DAC participated in the meeting. First day deliberations of NMOOP were chaired by the Agriculture Commissioner, Government of India. Additional Chief Secretary and APC, Government of Assam also graced the occasion. List of participants is annexed. Programme / day wise highlights are summarized as under:

Day – 1: NMOOP (Oilseeds and Oil Palm)

Additional Chief Secretary and APC, Government of Assam in his remarks stated that this workshop will provide an unique opportunity to the NE-States and other stakeholders to put forth their views and problems being faced in implementation of NMOOP and NFSM. He also made a mention that fixed cost norms decided by Government of India did not suit to the requirement of NE regions and suggested for more flexibility under the cost norms.

2. Agriculture Commissioner, Government of India thanked Government of Assam for organizing the meeting. He also made a mention about the previous review meeting of NFSM organized at Shillong and suggested for follow up action. He emphasized on demonstrations of improved technologies as per the requirement of the region for improvement of productivity of various crops including oilseeds and growing need for marketing and processing. The feasibilities of growing oil palm on paddy field bund may also be explored in these NE States.

3. Principal Scientist, DGR, Junagarh while sharing his presentation on “Prospects for groundnut cultivation in NE states” informed that among new groundnut varieties TG 37-A, GPBD 4 and Girnar-3 have shown better performance over JL-24 a predominant variety grown in NE regions. However, old varieties like ICGS 76, BAU 13, TKG-19, GG-7, TG 22, GG 20 are still under cultivation in NE states may be because of non availability of seed of new varieties. Significant yield improvement (>25%) with application of lime was also highlighted.

4. Principal Scientist, DSR, Indore in his presentation on “Prospects for soybean cultivation in NE states” informed that Soybean holds a promising scope in almost all NE states during Kharif. It was also informed that a project on ‘popularization of soybean for food, nutritional and livelihood security of tribal people’ under TSP is also under
implementation in the region. Soybean cultivation can also be promoted in Rabi season in selected areas. JS-335 is a predominant varieties in NE States which is very old. Non availability of seeds of new varieties is a major constraint in productivity improvement.

5. **Principal Scientist, DOR, Hyderabad** indicated a good scope for relay cropping/utera cultivation of sesame and linseed with paddy cultivation. Linseed has shown better impact under marshy/rice fallows in Meghalaya. More adaptive research is required for identification of varieties and refinement of PoP.

6. **Senior Scientist, DRMR, Bharatpur** while sharing the performance of varieties of rapeseed - mustard and prospect for rapeseed-mustard in NE region indicated that Varieties like TS 36, TS 38, TS 46 of toria, JD 6, PM 28, GM-2, NRCHB-101 of mustard and YSH-401 of yellow sarson, have shown better yield performance over M 27, an age old variety of toria, grown over largest area in NE States. He also shared the efforts made by DRMR for promotion R&M cultivation under rice fallows in Eastern States and showed scope of utilization of vast track of rice fallows.

7. **Results reported by DRMR, DGR, DSR and DOR** were also supplemented by Principal Scientists & Head Crop Production, ICAR Complex for NEH Region, indicating good performance of varieties like Pusa Mehak (JD-6), Pusa 25-28, NRCHB-1 of mustard, ICGH-7 of groundnut, use of polymulch with larger scope of oilseeds under rice fallows. The statement was also supported by Zonal Project Director (Zone-viii), ICAR Complex, NEH Region and suggested for adaptive research for identification of new varieties and refinement of PoPs for oilseeds.

8. **Deputy Director Research, CAU, Manipur and Director Research, AAU, Assam** also shared their experimental results conducted on oilseeds including FLDs. The crops like R&M in Manipur and Soybean, R&M and linseed in Assam have better scope. DDR, AAU also informed a large potential (2.5 lakh ha) for groundnut cultivation in riverine area of Assam after Sali rice.

9. **Senior Scientists, DOPR, Pedavegi** shared the potential and prospects of oil palm cultivation in NE States. He also informed that a center on Oil Palm under All India Coordinated Research Project has been established at Passi Ghat, Arunachal Pradesh. Soils with low pH, high iron content and high rainfall in NE States is a positive feature for oil palm cultivation. He requested all the States to sponsor their technical staff and farmers to DOPR Pedavegi for their capacity building. There is no shortage of planting material in any of the State.

10. The States and the other stake holders were briefed by **ADC (OS)** about the aims, coverage of crops and states, operational guidelines, budgetary allocation and release of funds, prospects for area expansion under oilseeds and oil palm in NE States. Possibilities for bringing additional area of 60,000 ha under oilseeds and 9,100 ha under oil palm was also shared with additional supply of seed minikits of new varieties.
11. The status of implementation of NMOOP more particularly of MM-I(Oilseeds) and MM-II(Oil Palm) was shared by all the States. NMOOP is under implementation in all the States except Sikkim. Demonstrations of Kharif oilseed crops like groundnut and soybean have been organized. Supply of seed minikits for Rabi oilseeds have been received by the State. However, sanction of State matching share is awaited in all the States except Tripura.

12. Based on the presentations and discussions held on 1\textsuperscript{st} day on oilseeds the issues emerged and action agreed upon are listed as under:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Issues raised</th>
<th>Proposed action</th>
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<tbody>
<tr>
<td>1</td>
<td>Promotion of high yielding varieties like TS 36, TS-38, TS-46 of toria, JD-6, PM-28, GM-2, NRCHB 101 of mustard and YSH-401 of yellow sarson to replace M-27, an old variety of toria.</td>
<td>All NE- States and Central Seed Agencies will place their indent for breeder seed to DAC. Central Seed Agencies will also arrange supply of seed minikits of these varieties. (Action: All NE States and Central Seed Producing Agencies-CSPA)</td>
</tr>
<tr>
<td>2</td>
<td>Adaptive research for identification of new varieties and refinement of technologies of oilseeds particularly for rice fallows.</td>
<td>ICAR complex, Barapani, ZPD, Barapani, CAU Manipur and AAU Assam will submit proposal for organizing FLD and adaptive research. (Action: ICAR Institution, CAU, AAU)</td>
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<tr>
<td>3</td>
<td>Lime application @ 500 to 1000 kg/ha has shown an increase of 25-50% yield increase in groundnut.</td>
<td>Under NMOOP large scale FLD on application of lime may be organized by ZPD. NMOOP is providing Rs. 750/- ha for use of lime. All States may take-up larger programme. (Action: ZPD, Barapani and All NE States)</td>
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<td>4</td>
<td>Promotion of linseed under marshy lands after harvest of Sali paddy in NE states with additional income from Linseed fiber.</td>
<td>A proposal for large scale FLDs on dual purpose linseed varieties may be considered from ICAR complex for NE regions.</td>
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<td>5</td>
<td>Augmenting the availability of soybean seed.</td>
<td>Separate proposal for FLD and adaptive research on soybean for Rabi season may be supported through ICAR Complex for NE region, CAU, Manipur and AAU, Jorahat linked with buy back arrangement of seed through Central Seed Agencies. (Action: ICAR, Complex for NEH Region, CAU, AUU and CSP&amp;A)</td>
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<td>6.</td>
<td>Identification of varieties of minor oilseeds. &lt;br&gt;Sesamum-Assam, Arunachal Pradesh, Tripura, Nagaland, Linseed-Assam, Tripura, Nagaland Niger-Arunachal Pradesh, Assam Safflower-Assam, Meghalaya</td>
<td>DOR, Hyderabad will provide the name of varieties and also supply of breeder seeds to their Centers in NE-States. (Action: DOR, Hyderabad)</td>
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<tr>
<td>7.</td>
<td>Revision of Package of Practices (PoP) of, groundnut, soybean, sesame, niger, rapeseed-mustard and linseed.</td>
<td>Assam, Manipur and Meghalaya may revise POP of oilseeds in consultation with ICAR Complex, Barapani, CAU and AAU respectively, whereas, remaining States may revise their PoPs in consultation with the crop specialized research institutions of ICAR namely DRMR, Bharatpur, DGR, Junagarh, DSR, Indore and DOR, Hyderabad. (Action: All NE States)</td>
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<tr>
<td>8.</td>
<td>Assessment of marketing and oil processing facility available in NE-States.</td>
<td>All NE states will make an assessment of oil extraction units including ghanis and market yards in potential oil growing districts. (Action: All NE States)</td>
</tr>
<tr>
<td>9.</td>
<td>Development of early maturing varieties of paddy and short duration varieties of oilseeds and pulses for cultivation under paddy fallows.</td>
<td>The matter may be taken up with ICAR. (Action: BGREI Cell/NFSM Cell)</td>
</tr>
<tr>
<td>10.</td>
<td>Receipt of seed minikits of JD-6 of mustard and TG-51 of groundnut from NSC without packet of bio fertilizers.</td>
<td>NSC may be asked to clarify the position. (Action: NSC)</td>
</tr>
<tr>
<td>11.</td>
<td>• Issue of sanction of State matching share.  &lt;br&gt;• Revision of sharing pattern from 75:25 to 90:10 on the pattern of ATMA.</td>
<td>• Chief Secretaries may be requested at level of Secretary (A&amp;C) to expedite sanction of State share. (Action: Oilseeds Division, DAC)  &lt;br&gt;• The request may be examined on the basis of ATMA scheme for NE states. (Action: Oilseeds Division, DAC)</td>
</tr>
<tr>
<td>12.</td>
<td>Restoration of assistance of Rs.10,000/ha on supply of seedlings, additional cost of transportation and cost of deforestation and provision for maintenance cost during 1st year.</td>
<td>The issue relating to provision of maintenance cost for 1st year or converting assistance of 4th year to 1st year may be examined.  &lt;br&gt;• The cost of cleaning of forest land for plantation may be considered as an activity under flexi-fund. (Action: Oilseeds Division, DAC)</td>
</tr>
<tr>
<td>Sl. No.</td>
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<tr>
<td>13</td>
<td>All the NE States requested that interventions like Half Moon Terrace and land cleaning may be supported under flexi fund.</td>
<td>The programme Division will examine the issue <em>(Action: Oilseeds Division, DAC)</em></td>
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<td>14</td>
<td>M/s Godrej Agrovet is not responding for signing of MoU with Ar. Pradesh, whereas, other three companies have already signed MoU.</td>
<td>State may identify other interested partners. <em>(Action: Arunachal Pradesh)</em></td>
</tr>
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<td>15</td>
<td>States like Mizoram, Meghalaya, Arunachal Pradesh and Nagaland showed their inability to utilize funds released under SC component.</td>
<td>The states will submit their specific proposal indicating statistics of SC/ST farmer population for seeking modification. <em>(Action: Arunachal Pradesh, Meghalaya, Mizoram and Nagaland)</em></td>
</tr>
<tr>
<td>16</td>
<td>Non-availability of statistics of APY of oilseeds</td>
<td>State will submit status of APY from 2012-13 onwards to DES through State Department of Agricultural Statistics with a copy to Oilseeds Division. <em>(Action: All NE States)</em></td>
</tr>
<tr>
<td>17</td>
<td>Commercial cultivation of <em>Perilla frutescens</em>, a shrub grown in Eastern States, as an oilseed crop</td>
<td>The State will provide information about current production and prospects for its cultivation, for taking-up matter with ICAR <em>(Action: All NE States)</em></td>
</tr>
<tr>
<td>18</td>
<td>Submission of MPR/QPR</td>
<td>All the States will ensure submission of MPR/QPR regularly. <em>(Action: All NE States)</em></td>
</tr>
<tr>
<td>19</td>
<td>All the NE States requested that similar meeting may be organized in other States.</td>
<td>Arunachal Pradesh offered to hold next meeting in their States. <em>(Action: Oilseeds Division)</em></td>
</tr>
</tbody>
</table>

**Day-2: NFSM (Pulses and Coarse Cereals)**

The deliberations of 2nd day began with brief presentations by Scientist of IIPR, Kanpur and VPKAS, Almora under the Chairmanship of Addl. Commissioner (Crops), DAC.

2. Recommended varieties/hybrids and Package of Practices (PoP) of pulses were shared by Pr. Scientist, IIPR, Kanpur, which indicates scope for large area expansion for pulses under rice fallows. A number of varieties like PUSA Vaibhav, KLS-218, JG-16 of chickpea DPL-62 of lentil and Prakash of field pea were suggested for rice fallows. The follow up actions taken on the last meeting arranged at Shillong during June, 2014 were also shared. It was informed that 1 qtl. breeder seed of each variety of DPL-62 of lentil, JG-16 of chickpea and Prakash of field pea have been supplied to Cooperating Centers at Agarthala and Shilongani for evaluation/ seed multiplication during Rabi 2014-15. One
hundred fifty (150) FLDs have been planned through AICRP Centre in NE-States. He suggested that necessary tie up may be made by the States/Seed Agencies for buy back arrangement of seeds from FLD plots.

3. Recommended varieties/hybrids and Package of Practices (PoP) of maize, millets and barley were shared by Sr. Scientist, VPKAS, Almora. Improved varieties of buck wheat and amaranthus were also discussed.

4. The participants were briefed by ADC (Crops) about aims, crops, States, cafeteria of activities, budgetary allocation and releases made to NE – States under NFSM during current year. The States were also requested to ensure submission of APR, Audited UC of 2013-14 and progress report for current year to facilitate the release of 2nd installment of funds. States were also advised to place indent for breeder seed, arrangement for seed production through MoU including buy back from FLD plots and to arrange field visit of progressive farmers to FLD plots.

5. The issues raised by the States regarding implementation of NFSM and proposed action agreed upon are summarized as under:

<table>
<thead>
<tr>
<th>Sl. No.</th>
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<th>Proposed action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Documentation of PoP of pulses and coarse cereals</td>
<td>States may develop PoP of pulses and coarse cereals in consultation with ICAR/SAU/CAU (Action: All NE States)</td>
</tr>
<tr>
<td>2</td>
<td>Non-availability of centers of ACRIP for coarse cereals in NE States</td>
<td>ICAR may expand research activities of coarse cereals in NE states. (Action: NFSM Cell, DAC)</td>
</tr>
<tr>
<td>3</td>
<td>Finalization of programme schedule for FLDs for 2015-16</td>
<td>A meeting may be arranged at CAU/ICAR Institute in NE region to finalize FLDs of NFSM-Crops in March, 2015. (Action: NFSM Cell, DAC)</td>
</tr>
<tr>
<td>4</td>
<td>Augmenting availability of quality seeds.</td>
<td>States may arrange seed for pulses and coarse cereals either through buy back of produce from demonstration plots or advance contract with seed producing agencies. (Action: All NE States)</td>
</tr>
<tr>
<td>5</td>
<td>Development of acidity tolerant varieties of pulses</td>
<td>Matter may be taken up with IIPR, Kanpur (Action: IIPR, Kanpur)</td>
</tr>
<tr>
<td>6</td>
<td>Identification and setting-up de-hullers for millets under local initiative component</td>
<td>Matter may be taken up with CoE small millets (SM) and PC (SM), UAS, Bengaluru (Action: NFSM Cell, DAC)</td>
</tr>
<tr>
<td>10</td>
<td>Delayed submission of statistics of APY of pulses and coarse cereals</td>
<td>State will submit APY from 2012-13 onwards to DES. (Action: All NE States)</td>
</tr>
</tbody>
</table>

The meeting was ended with vote of thanks to and from the Chair.

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List of participants of Orientation –cum- Review Meeting of NMOOP and NFSM held on 10\textsuperscript{th} - 11\textsuperscript{th} November, 2014.

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