OFFICE OF THE DIRECTOR OF AGRICULTURE & FOOD PRODUCTION,
ODISHA, BHUBANESWAR.

No.2M (05)144/2011- To

1. The Dean of Research, OUAT, Bhubaneswar - Member
2. The Associate Director of Research (Seeds), OUAT, Bhubaneswar - Member
3. The Director, Odisha State Seeds & Organic Product Certification Agency, Plot No-326, Baramunda, Bhubaneswar. - Member
4. The Managing Director, OSSC Samantarapur, Bhubaneswar. - Member
5. The Regional Manager, National Seeds Corporation Ltd.
   150, Industrial Estate, Mancheswar, Bhubaneswar. - Member
6. The Agriculturist, Agriculture Department, Odisha, Bhubaneswar. - Member
7. Sri Manoranjan Singh (Seed Producer), At/PO-Berboi
   Block- Delanga, District- Puri - Member
8. Sri Dilip Kumar Baral (Seed Producer)
   At/P.O.-Resinga, Block-Nimapara, District.-Puri - Member
9. Sri Chandra Sekhar Gumansingh,(Farmer) At/P.O.-Sijua
   Block- Bhubaneswar, Dist.-Khurda - Member
10. Sri Pradyumna Kumar Swain (Farmer), At/P.O.-Paribasudevpur
    Block- Balianta, Dist.-Khurda - Member
11. Sri B.N.Sapatpathy, (Seed Trader), Proprietor,
    M/s.Sansar Agropol Pvt Ltd, 64, Surya Nagar, Bhubaneswar
    M/s.Sansar Agropol Pvt Ltd, 64, Surya Nagar, Bhubaneswar - Member
12. The Seed Certification Officer, Odisha State Seed Testing
    Laboratory, Samantarapur, Bhubaneswar. - Member
13. The Secretary, Central Seed Committee-cum-Deputy Commissioner (QC),
    Ministry of Agriculture, (Department of Agriculture & Cooperation)
    F/212, Shastri Bhawan, New Delhi-110001 - Co-convener

Sub: - Submission of Proceedings of the meeting of Odisha State Seed Sub-Committee for Agricultural crops held on 25.01.2012.

Sir,

Enclosed please find herewith the proceedings of the meeting of Odisha State Seed Sub-Committee for Agricultural Crops held on 25.01.2012 at 11.00 A.M. in the Conference Hall of the Agriculture Department, Rajiv Bhawan, Bhubaneswar for kind information and necessary action.

Yours faithfully,

[Signature]

Joint Director of Agriculture (Farm & Seeds) &
Co-Convener, Odisha State Seed Sub-Committee
for Agricultural Crops
Memo No. 202 /Agril., dated 7/12/12

Copy along with copy of the proceedings forwarded to the Private Secretary to the Principal Secretary to the Government, Agriculture Department, Odisha, Bhubaneswar for kind information of the Principal Secretary to the Government, Agriculture Department.

Joint Director of Agriculture (Farm & Seeds) & Co-Convener, Odisha State Seed Sub-Committee for Agricultural Crops

Memo No. 203 /Agril., dated 7/12/12

Copy along with copy of the proceedings forwarded to the Private Secretary to the Director of Agriculture & Food Production, Odisha, Bhubaneswar for kind information of the Director of Agriculture & Food Production, Odisha.

Joint Director of Agriculture (Farm & Seeds) & Co-Convener, Odisha State Seed Sub-Committee for Agricultural Crops

Memo No. 204 /Agril., dated 7/12/12

Copy along with copy of the proceedings forwarded to the Director, Central Rice Research Institute, Cuttack-753006/ Professor & Head of the Department, Plant Breeding & Genetics, College of Agriculture, O.U.A.T., Bhubaneswar/ Dr. O.N. Singh, Head & Principal Scientist, CRRI, Cuttack/ Dr. S.R. Dhua, Principal Scientist, Central Rice Research Institute, Cuttack-753006/ Dr. S.R. Dash, Rice Breeder, OUAT, Bhubaneswar/ JDA (SP&C), O/o D.A.&F.P.(O), Bhubaneswar/ Dr. G.J.N. Rao, Head, Crop improvement Division, CRRI, Cuttack/ Dr. A. Pattnaik, Principal Scientist, CRRI, Cuttack/ Dr S. K. Pradhan, Senior Scientist, CRRI, Cuttack/ Dr. B.C. Marndi, Scientist, CRRI, Cuttack/ Dr K. Pandey, Principal Scientist, CRRI, Cuttack/ Dr. P. N. Jagdev, Breeder, Jute & Allied Fibre, OUAT, Bhubaneswar/ Dr. N.N. Acharya, Breeder (R&M), OUAT, Bhubaneswar/ Dr. U.C. Kar, Breeder, Sesame, OUAT, Bhubaneswar/ Dr. D.N. Bastia, Rice Breeder, OUAT, Bhubaneswar/ Dr. P.C. Satapathy, Breeder, Potato & Ex Breeder (Pulses), OUAT, Bhubaneswar/ Dr. P.J. Mishra, Agronomist, OUAT, Bhubaneswar/ Dr. Omvir Singh Kanwar, AGM, Crop Development (Rice), Bayer Bioscience Pvt. Ltd, Orhi’s Tech Park, Plot No-13, Survey No-64/2(New) Software Units Layout, Madhapur, Hyderabad-500081/ Sri B.K. Pattnaik, Production Manager, OSSC, Bhubaneswar/ Sri D. Mohanty, ADA (Input), O/o D.A.& F.P.(O)/A.P.O.(Oilseeds), State Quality Control Laboratory, Saheeda Nagar, Bhubaneswar/ Sri J.C. Mohanty, SCO (Hq), OSSOPCA, Bhubaneswar/ Sri A.K. Patra, SCO (SS), OSSOPCA, Bhubaneswar for information and necessary action.

Joint Director of Agriculture (Farm & Seeds) & Co-Convener, Orissa State Seed Sub-Committee for Agricultural Crops

15 spare copies
Proceedings of the meeting of the Odisha State Seed Sub-Committee for Agricultural crops held under the Chairmanship of the Principal Secretary to the Government, Agriculture Department, Odisha on 25.01.2012 at the Conference Hall of Agriculture Department, Rajiv Bhawan, Bhubaneswar

The Chairman of the Odisha State Seed Sub-Committee for Agricultural crops welcomed the members of the sub-committee & special invitees. The list of the participants who attended the meeting is annexed as Annexure-I. After a brief self introduction of participants, regular agenda items were taken up for discussion and decision as under:-

Item No.1- Confirmation of the proceedings of last State Seed Sub-Committee meeting for Agricultural crops held on 26.02.2011

The proceedings of the special meeting of the Odisha State Seed Sub-Committee for Agricultural crops held on 26.02.2011 have been circulated vide Directorate of Agriculture Letter No- 2M (05)25/2011-278, dated 08.03.2011. No comments have been received on the minutes of the meeting. Therefore, the said minutes were confirmed.

Item No.2- Action taken on the proceedings of the last meeting held on 26.02.2011

a) The Paddy varieties “Mrunalini”, “Tejaswini”, “Mandakini”, “Phalguni”, “Reeta”, “Luna Suvarna”, “Luna Sampad” and “Nua Chinikamini” were released by the State Seed Sub Committee for Agricultural Crops and sent for notification. These varieties have been notified by the Government of India vide Sanction Order No-632(E), dated 25th March 2011.

b) Two Sugarcane varieties “Sabita” and “Neelamadhab” and one Groundnut variety “JAL 42” were released by the State Seed Sub Committee for Agricultural crops and sent for notification. The Central Sub-Committee on Crop Standards, Notification and Release of Varieties for Agricultural Crops has recommended the above ‘Sugarcane’ and ‘Groundnut’ varieties for notification subject to “submission of All India Coordinated Trial data on diseases”. The Sponsoring Authority, i.e., OUAT, Bhubaneswar has submitted the “All India Coordinated Trial Data on diseases” for the variety “Sabita” and “Neelamadhab”, out of which the variety “Sabita” (CoOr 03151) only has been notified vide S.O. No-2326(E), dated 10.10.2011. As the Sugarcane variety “Neelamadhab” and Groundnut variety “JAL 42” have not been notified yet, the sub-committee advised the Sponsoring Authority to re-submit the ‘All India Coordinated Trial Data on diseases’ for the Varieties “Neelamadhab” and “JAL 42” early to enable notification. Further, the sub-committee noted that notification proposal which was pending with Government of India for one Niger variety “Utkal Niger-150” (ONS 150) after being released by the State Seed Sub Committee meeting held on 25.03.2008 has also been notified by the Government of India vide S.O.No-2326(E), dated 10.10.2011.

Item No.3- Consideration of proposals for release of new crop varieties proposed by different organizations.

1. Paddy: Variety- CRMAS 2621-7-1 (IET 21066), Proposed Name of the variety - Improved Lalat (BB)
   Sponsoring organization- Central Rice Research Institute, Cuttack
   Dr. G.J.N.Rao, Principal Scientist, Central Rice Research Institute, Cuttack informed through his presentation that the main objective of this breeding is to incorporate resistance against
‘Bacterial blight’ disease on rice in “Lalat” variety, which is a highly popular variety in Odisha. Therefore, this variety is suitable for growing in the “Bacterial blight” endemic areas in the state. It has long slender grain, high head Rice Recovery with intermediate amylose content having 130 days duration (medium maturity group) and has been developed from the cross Lalat and IR BB 60. It is resistant to major pest like Gall midge and moderately resistant to Stem Borer. It is also resistant to other diseases like Neck Blast, Brown spot and moderately resistant to Leaf blast, sheath rot etc. Its average yield under normal condition is 4500-5000 Kg/ha. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “Improved Lalat”.

2. Paddy: Variety CRMAS 2622-7-6 (IET 21070),
   Proposed Name of the variety- **Improved Tapaswini (BB)**
   Sponsoring organization- Central Rice Research Institute, Cuttack

   Dr. G.J.N.Rao, Principal Scientist, Central Rice Research Institute, Cuttack informed through his presentation that the main objective of this breeding is to incorporate resistance against ‘Bacterial blight’ disease on rice in “Tapaswini” variety. Therefore, this variety is suitable for growing in the “Bacterial blight” endemic areas in the state. It has short bold grain, high head Rice Recovery with intermediate amylose content having 130 days duration (medium maturity group) and has been developed from the cross Tapaswini and IR BB 60. It is resistant to major pest like Brown Plant Hopper, Yellow Stem Borer, White backed Plant Hopper etc and moderately resistant to stem borer. It is also resistant to other diseases like Neck Blast and moderately resistant to sheath rot. The average yield under normal condition is 4000-5000 Kg/ha. At present 50 kilograms of Breeder Seed is available with the Breeder.

   After due discussion the Sub-Committee accepted the variety for release as “Improved Tapaswini”

3. Paddy: Variety CR 2624-IR55423-01(IET 21214),
   Proposed Name of the variety- **PYARI (CR Dhan 200)**
   Sponsoring organization- Central Rice Research Institute, Cuttack

   Dr. S.K.Pradhan, Senior Scientist, Central Rice Research Institute, Cuttack informed through his presentation that the main objective of this Breeding is to develop a variety possessing in-built resistance to major diseases and insect pests with high yield potential for water limiting/ aerobic rice situation. Therefore, this variety is suitable for the water-limiting areas of the State. This is a non-lodging plant type having 115-120 days duration (Early to mid-early maturity) and has been developed from the cross UPL RI 5 and IR 12979-24-1 (Brown). It has high milling and head rice recovery with intermediate amylose content. It is moderately resistant to diseases like leaf blast, neck blast and brown spot. It is also moderately resistant to pests like stem borer, whorl maggot, gall midge and leaf folder. The average yield under normal condition is 4500 Kg/ha during Kharif. At present 200 kilograms of Breeder Seed is available with the Breeder.

   After due discussion the Sub-Committee accepted the variety for release as “PYARI”

4. Paddy: Variety CRM 2203-4 (IET 18008),
   Proposed Name of the variety- **Poorna Bhog (CR Basna Dhan-902)**
   Sponsoring organization- Central Rice Research Institute, Cuttack

   Dr. G.J.N.Rao, Principal Scientist, Central Rice Research Institute, Cuttack informed through his presentation that the main objective of this Breeding is to develop a productive awnless mutant having non-lodging plant type with good agro-morphological features while retaining
unique grain quality and aroma of its parent Pusa Basumati-1. This is a non-lodging plant type with long slender grain having 140-145 days duration (late maturity). It is photo insensitive in nature and therefore, can be grown in both the seasons. It has resistance to major diseases like Neck blast and moderately resistance to Sheath rot. It also has resistance to major pests like Gall midge and moderately resistance to stem borer. It has high milling and head rice recovery with intermediate amylose content. The average yield under normal condition is 4500-5000 Kg/ha. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “Poorna Bhog”

5. Paddy: Variety CR 662-22-1-1-1-1 (IET 19913),
   Proposed Name of the variety - SUMIT (CR Dhan 404)
   Sponsoring organization- Central Rice Research Institute, Cuttack

Dr. S.K.Pradhan, Senior Scientist, Central Rice Research Institute, Cuttack informed through his presentation that this variety is a non-lodging plant type, responsive to high fertilizer levels, can tolerate one week submergence during flash flood and therefore, suitable under rainfed shallow low lands of Odisha. This has been developed from the cross IR 32 and IR 13246 having 148-153 days duration (late maturity group). It is resistant to leaf blast, stem borer, leaf folder etc, while moderately tolerant to neck blast, brown spot, bacterial leaf blight, sheath blight, sheath rot, green leaf hopper etc. It has long bold grain, high milling and head rice recovery with intermediate amylose content. This variety showed yield superiority over Savitri, Pooja and Gayatri. The average yield under normal condition is 5200 Kg/ha during Kharif. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “SUMIT”

6. Paddy: Variety CR 2340-11 (IET 20148),
   Proposed Name of the variety - Satyabhama (CR Dhan 100)
   Sponsoring organization- Central Rice Research Institute, Cuttack

Dr. S.K.Pradhan, Senior Scientist, Central Rice Research Institute, Cuttack informed through his presentation that this is a drought tolerant variety, non-lodging and high yielding suitable in drought prone upland areas of Odisha. This has been developed from the cross IR31238-350-3-2-1 and IR 41054-102-2-3-2 having 110 days duration (Early maturity group). It has resistance reaction against the pests stem borer, leaf folder and rice whorl maggot attack, while moderate reaction to white backed plant hopper, gall midge, rice hispa, rice thrips etc. It has good amylose content (24.66%) and the average yield under normal condition is 4700 Kg/ha during Kharif. This variety showed yield superiority over the qualifying varieties IET-20132, IET-20150 and IET-20144 by 12%, 23% and 12% respectively. At present 200 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “Satyabhama”

7. Paddy: Variety CR 2282-1-2-5-1 (IET 20214),
   Proposed Name of the variety – JALAMANI
   Sponsoring organization- Central Rice Research Institute, Cuttack

Dr. S.K.Pradhan, Senior Scientist, Central Rice Research Institute, Cuttack informed through his presentation that this variety is tolerant to water logging and therefore, suitable for cultivation in the deep water ecosystem. This is a tall plant type; possesses moderate kneeling ability, responsive to high fertilizer levels having high milling and head rice recovery. This has been developed from the cross Panikekoa and Ambica having 160-163 days duration (late maturity group). It is moderately tolerant to major diseases like leaf blast, neck blast and brown spot,
while moderately resistance to major pests like leaf folder, green leaf hopper, gallmidge etc. This variety has recorded established yield superiority over Jalamagna and Dinesh. The average yield under normal condition is 3858 Kg/ha during Kharif. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “JALAMANI”

8. Paddy: Variety CR 2080-169-3-2-5-2 (IET 20706),
   Proposed Name of the variety - JAYANTI (CR Dhan 502)
   Sponsoring organization- Central Rice Research Institute, Cuttack
   Dr. S.K.Pradhan, Senior Scientist, Central Rice Research Institute, Cuttack informed through his presentation that this variety has medium slender grain with high yield potential and very suitable for deep water/ rainfed low land situation. This has been developed from the cross Samson Polo and Jalniidi having 160-163 days duration (late maturity group). It is moderately resistant to leaf blast, sheath blight, sheath rot, rice tungro virus and gall midge, while resistant to stem borer, leaf folder, rice thrips, whorl maggot etc. It has high milling and head rice recovery with intermediate amyllose content. This variety showed yield superiority over Jalamagna, Dinesh and Durga conducted in Zone III of the country. The average yield under normal condition is 4600 Kg/ha during Kharif. At present 50 kilograms of Breeder Seed is available with the Breeder.
   After due discussion the Sub-Committee accepted the variety for release as “JAYANTI”

9. Paddy: Variety CRK 26-1-2-1 (IET 19351),
   Proposed Name of the variety - HUE (CR DHAN 301)
   Sponsoring organization- Central Rice Research Institute, Cuttack
   Dr. S.K.Pradhan, Senior Scientist, Central Rice Research Institute, Cuttack informed through his presentation that this variety has long slender grain with high yield potential having good grain quality. This is a non-lodging plant type and has been developed from the cross IR 42 and Rahaspnajr having 118-125 days duration (medium maturity group). It is resistant to major diseases like Sheath Rot, RTV and Neck blast. It is also resistance to pests like Gall Midge and moderately resistant to Stem Borer. The average yield under normal condition is 4500-5500 kg/ha. This variety exhibited superiority over best checks in many districts of Odisha through State Government minikit trials. At present 100 kilograms of Breeder Seed is available with the Breeder.
   After due discussion the Sub-Committee accepted the variety for release as “HUE”

10. Paddy: Variety CR 2092-158-3 (IET 19472),
    Proposed Name of the variety - Luna Barial (CR Dhan 406)
    Sponsoring organization- Central Rice Research Institute, Cuttack

    Dr. B.C.Marandi, Scientist, Central Rice Research Institute, Cuttack informed through his presentation that this is a salt tolerant variety, non-lodging and high yielding suitable in coastal salinity situation to grow in Kharif season. This has been developed from the cross Jaya and Lunishree having 150-155 days duration (late maturity group). It is tolerant to Yellow stem borer and leaf folder, moderately tolerant to Sheath blight and Bacterial leaf blight. It has good amylose content (23.7%) and the average yield under normal condition is 3857 Kg/ha during Kharif. This variety showed constantly mean yield increase of 30.36%, 59.7% and 40.30% over the check varieties CST-7-1, Jaya, and Lunishree respectively. At present 50 kilograms of Breeder Seed is available with the Breeder.
    After due discussion the Sub-Committee accepted the variety for release as “Luna Barial”
11. Paddy: Variety CR 2577-1 (IET 21237),
Proposed Name of the variety - Luna Sankhi (CR Dhan 405)
Sponsoring organization- Central Rice Research Institute, Cuttack
Dr. B.C. Marandi, Scientist, Central Rice Research Institute, Cuttack informed through his presentation that this is a salt tolerant variety suitable for coastal saline upland areas during Kharif and irrigated lands during Rabi. This variety has been derived from the cross Ghanteswari and IR27069 with 105-110 days maturity duration. It is tolerant to leaf blast and moderately tolerant to Sheath blight. It is also resistant to lodging, non-shattering and responds to fertilizer up to 100 Kg N. It has good amylose content (23.7%) and the average yield under normal condition is 4585 Kg/ha, which is 17.9% yield advantage over check variety” Khandagiri”. At present 100 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “Luna Sankhi”

12. Paddy: Hybrid BS 025
Proposed Name of the variety – ARIZE DHANI
Dr. Omvir Singh Kanwar, AGM, Bayer Bio Science Pvt. Ltd, Hyderabad informed through his presentation that the main objective of this breeding is to develop a hybrid having late duration maturity with high yielding advantage. The parentage of this hybrid are MO13 (Male) and CO88 (Female). The average yield of this hybrid under normal condition is 6-8 tons per hectare. It is resistant to Bacterial leaf blight under field and controlled conditions. It is also tolerant to BPH and WBPH. It has medium slender grain with intermediate amylose content having high milling recovery. Based on the All India Coordinated Hybrid Rice Trials and Advanced Variety Trials conducted during last 3 years, this hybrid recorded higher yield than all the test entries and an average yield superiority of 28% over national check. After testing for 3 seasons in Odisha under OUAT, this hybrid recorded an average yield of 5308 kg/ha and a highest yield of 6783 kg/ha. During discussion, some of the members remarked that as per the decision of the earlier sub-committee, the performance trial of the private hybrid should have been done both at CRRI and OUAT. But some of the scientists of OUAT were of the opinion that as this hybrid is performing very well in different locations of the State during multi-location trials conducted by OUAT, this hybrid should be released. However, the sponsoring organization of this hybrid should ensure production of seeds inside Odisha in sufficient quantities to meet the requirement, as the paddy hybrids earlier released by our State namely “Ajaya” and “Rajalaxmi” are not available in sufficient quantities. The sponsoring organization assured to produce sufficient quantities of seeds inside the state of Odisha and promised to supply it as per the requirement of the State. After due discussion the Sub-Committee accepted the variety for release as “ARIZE DHANI”

13. Paddy: Variety OR 2339-8 (IET 20262),
Proposed Name of the variety – TANMAYEE
Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. S.R. Dash, Rice Breeder, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that this variety is very high yielding suitable under rainfed and irrigated shallow water low lands. This has been derived from the cross Indravati and Kanchan having 143-148 days maturity duration. It has reaction to major diseases like Neck blast, leaf blast etc and major pest like Gall midge, Stem Borer, Leaf folder etc. The average yield under normal condition is 5240 Kg/ha. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “TANMAYEE”
14. Paddy: Variety OR 2329-44 (IET 20601),
Proposed Name of the variety – HIRANMAYEE

Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. S.R.Dash, Rice Breeder, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that this is a high yielding variety having multiple resistances to diseases and pests with better grain quality. This has been derived from the cross ‘OR 1530-8’ and ‘IR 68181-B-49’ having 132-138 days maturity duration. It has reaction to major diseases like Neck blast, leaf blast, sheath blight, sheath rot etc and major pest like Gall midge, Stem Borier, Leaf folder, whorl maggot etc. The average yield under normal condition is 5453 Kg/ha. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “HIRANMAYEE”

15. Paddy: Variety OR 1777-4 (IET 21106),
Proposed Name of the variety – JYOTIRMAYEE

Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. S.R.Dash, Rice Breeder, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that this is a high yielding variety having early maturity duration with multiple resistances to diseases and pests. This has been derived from the cross ‘Pusa 677-50-103-2-9’ and ‘Badami’ having 89-95 days maturity duration. It has reaction to major diseases like Neck blast, Brown spot, sheath blight, blast etc and major pest like Gall midge, Stem Borier, BPH etc. The average yield under normal condition is 4378 Kg/ha. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “JYOTIRMAYEE”

16. Paddy: Variety Acharamati (IET 19713),
Proposed Name of the variety – NUA ACHARAMATI

Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. S.R.Dash, Rice Breeder, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that this variety has been developed from pure line selection of indigenous aromatic rice collection “Acharamati” from Bhawanipatna of Odisha State. This variety has uniform plant type with aromatic grain. The duration of the variety is 130-134 days. It has reaction to major diseases like Neck blast, leaf blast, sheath blight, BLB etc and major pest like Gall midge, Stem Borier, BPH etc. It is resistant to lodging and shattering having easy threshability. The average yield under normal condition is 4187 Kg/ha. At present 50 kilograms of Breeder Seed is available with the Breeder.

After due discussion the Sub-Committee accepted the variety for release as “NUA ACHARAMATI”

17. Toria: Variety ORT(m) 7-2,
Proposed Name of the variety - Sushree.

Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. N.N.Acharya, Breeder (R&M), Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that this variety matures early (73-75 days) with high seed yield and high oil content. The average yield under normal condition is 1381 kg/ha and potential yield is 1485 kg/ha. This is non-lodging and non-shattering type and suitable for late sown condition. This variety escapes from major pest like Aphids and major diseases like Alternaria
blight, when sown within first week of October. The variety is tolerant to moisture stress having oil content of 42.1%. This can be grown in upland situations of coastal districts and medium land situations of inland districts of the State.

After due discussion the Sub-Committee accepted the variety for release as “Sushree”

18. Sesame: Variety SMARAK (OSC 560),

Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. U.C.Kar, Sesame Breeder, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that the main objective of this Breeding is to develop a Golden yellow bold seeded variety of early maturity group having high oil content. It has short height and woody stem. The capsules are bold and long, the seeds are golden yellow and bold. The variety is an early maturity type (75-80 days) and can be grown throughout the year except very cold weather condition. It has very high oil content (>50%). The average seed yield is 1000 kg/ha. The variety is resistant to major pests and diseases.

After due discussion the Sub-Committee accepted the variety for release as “SMARAK”

19. Sesame: Variety SUBHRA (OSC 207),

Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. U.C.Kar, Sesame Breeder, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that the main objective of this Breeding is to develop a white bold seeded variety for export purpose. It has medium height and profuse branching. The capsules are bold and long, the seeds per capsule are more than 80 and the seed coat colour is Bright white. Shattering is avoided due to synchronous in maturity. The variety is a medium maturity type (75-85 days) with very high oil content (>50%). The average seed yield is 1000 kg/ha. It has multiple resistances to different pests and diseases and is suitable for growing during Kharif and summer seasons. The variety is lodging resistant and tolerant to water stress condition. Therefore, it can replace other varieties like Kanak, Kalika,Vinayak, Co-1 Madhabi etc.

After due discussion the Sub-Committee accepted the variety for release as “SUBHRA”

20. Mesta (Kenaf): Variety JBM-71,
Proposed Name of the variety - SHANTI.

Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. P.N.Jagdev, Breeder Jute and Allied fibre, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that this is a high yielder and the average fibre yield under normal conditions is 27.49 quintals per hectare and has potential fibre yield of 32 quintals per hectare. This variety matures in 140 days (from seed to fibre) and 240 days from seed to seed. The plant height of the variety is 290-320 cm. The variety out-yielded the national check variety HC-583 and the fibre yield increased significantly with increase of fertilizer dose. This has also attracted attention of the farmers for better performance in adaptive trials. This is recommended for cultivation during kharif in mid and highland rainfed situation of our State.

After due discussion the Sub-Committee accepted the variety for release as “SHANTI
21. URDBEAN: Variety OBG 31,
Proposed Name of the variety - **MAHURI**.
Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. P.C.Satapthy, Breeder, Potato & Ex. Breeder (Pulses), Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that the main objective of this Breeding is to develop a high yielding variety with early maturity and resistance to Yellow Mosaic Virus. This variety matures early (65-75 days) with high seed yield. The average yield under normal condition is 7-9 quintals/ha and potential yield up to 24 quintals/ha. This is non-shattering type, resistant to lodging and suitable for late sown condition. This has broad-based resistance to a number of disease and very suitable for growing in rainfed uplands during Kharif, pre-Rabi season as well as late sown conditions.

After due discussion the Sub-Committee accepted the variety for release as **"MAHURI"**

22. SUGARCANE: Variety 99NG12, (IVT#CoOr 04152)
Proposed Name of the variety - **RAGHUNATH**.
Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. P.J. Mishra, Agronomist, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that the main objective of this breeding is to develop a variety having high tonnage of cane yield with high sucrose content. It has 12 months duration (Mid late maturing type).The average yield under normal condition is 126.34 t/ha, which is 10% higher over the best zonal check. It is tolerant to water logging and moisture stress condition. It has 16.17 to 17.73% sucrose content. It is resistant to major disease 'Red rot'.

After due discussion the Sub-Committee accepted the variety for release as **"RAGHUNATH"**

23. SUGARCANE: Variety 99NG13, (IVT#CoOr 05346)
Proposed Name of the variety - **NEELACHAKRA**.
Sponsoring organization- Orissa University of Agriculture & Technology, Bhubaneswar
Dr. P.J. Mishra, Agronomist, Orissa University of Agriculture & Technology, Bhubaneswar informed through his presentation that the main objective of this breeding is to develop a variety having early maturity type with high tonnage of cane yield and high sucrose content. It has 10 months duration (Early maturity type).The average yield under normal condition is 108.30 t/ha, which is 15% higher over the best zonal check. It is tolerant to water logging and moisture stress condition. It has 14.75 to 17.86% sucrose content. It is non lodging and free trashimg type.

After due discussion the Sub-Committee accepted the variety for release as **"NEELACHAKRA"**

**Item No.4- Engagement of Agriculture Graduates by the private seed firms involved in production of Foundation seed.**

The Director, Odisha State Seed and Organic Product Certification Agency, Bhubaneswar suggested that any private seed firms/entrepreneurs of our State involved in Production of Foundation seed from Breeder seed should engage Agriculture Graduates in their unit. During discussion, it was felt that sufficient Agricultural graduates are not available in the State to meet the required engagement in private sector. Therefore, the sub-committee decided that, the engagement of Agricultural graduates in the Private seed firm should be desirable but not compulsory. A private firm may appoint the Agriculture Graduates of its own for quality assurance in seed production.
Item No.5- Any other matter with permission of the Chair

(a) The Director of Agriculture & Food Production, Odisha suggested that, sufficient quantity of breeder seed of different varieties/hybrids should be produced by concerned breeders in order to meet the entire requirement of Breeder Seed in the State. Further, the plant Breeders should give a portion of their Breeder seeds of new state released varieties/hybrids to Odisha State Seed Corporation Ltd. for conducting seed multiplication trials in different locations of Odisha during kharif 2012. The Director also suggested that the farmers' local paddy varieties which have been registered with the PPV and FR Authority should come directly into the Seed Chain.

(b) The Director, OSSOPCA mentioned that, Grow-Out-Test (GOT) for any varieties/hybrid is required to compare the genetic purity of the produce with the notified varieties/hybrid character given by the Breeder. As nothing is mentioned regarding the GOT field standards of different crops in "Indian Minimum Seed Certification Standards" (IMSCS) book prescribed by the Central Seed Certification Board (1988) except hybrid Cotton crop. In present context, the genetic purity verification through GOT is a time consuming (at least 3-4 months) process, whereas, the genetic purity analysis through DNA fingerprinting is a time saving and also equally scientific accurate process. Thus, the Sub-Committee after a detail discussion proposed to go for DNA finger printing test from Notified Laboratory in place of GOT test for genetic purity check. However, if Seed Certification Agency feels necessary, it can take-up both GOT test along with DNA finger printing test for required variety/hybrid.

The meeting ended with vote of thanks to the Chair.

Principal Secretary to the Government.
Agriculture Department, Odisha,
and Chairman,
Odisha State Seed Sub-Committee
for Agricultural Crops