Proceedings of the 40th meeting of Project Approval Committee (PAC) of Technology Mission on Coconut held at Kochi on 25th & 26th June 2013

The 40th meeting of the Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held at HQ of Coconut Development Board, Kochi on 25th & 26th June 2013. Shri. T.K. Jose IAS, Chairman, Coconut Development Board and Chairman PAC presided over the meeting. The list of members attended the meeting is given in annexure I.

At the outset Chairman, welcomed the members of PAC and experts to the meeting. In his introductory remarks Chairman mentioned that the Board has almost completed a decade of implementation of TMOC programme. In the present scenario of price crash in coconut, there is an urgent need to promote product diversification and value addition. The support of various research institutes like CFTRI and DFRL plays a crucial role in development of technologies in coconut sector. Further support of state Govts of the major coconut growing states is also essential to handhold the industry in coconut sector. Major coconut growing states have already been addressed in this regard. As a result Karnataka and Tamilnadu had initiated action for making provisions in the state budget for the current year. Kerala Govt. has already announced additional incentives of 25% for establishment of coconut processing units and Rs. 15 crores has been earmarked for Coconut Bio parks. Further as an impact of the investors meets held in Kerala and Andhra Pradesh and on creation of awareness more proposals were received seeking assistance under TMOC for establishing coconut based processing units. He reiterated the need for reorientation of the policies and perspectives for TMOC programme in the emerging market scenario. It was suggested that the coconut processing units on conversion to Private Limited Companies can bring in more efficiency and system in operation apart from raising equity for the unit and tax exemption.

Chairman said that the present PAC would consider 43 projects with an outlay of Rs.94.72 crores of which nine are research projects from various institutions including the projects for process standardisation of Neera. Under Processing and Product diversification, 34 Projects with the investment of Rs.91.823 crores have been received and considered for extending financial assistance which includes setting up of 11 Desiccated Coconut Powder manufacturing units, one Virgin Coconut Oil unit, four Tender Coconut Water units, two Coconut Milk Powder units, one Coconut Water based Vinegar unit, two Coconut Shell Charcoal units, five Coconut Shell based Activated Carbon, seven Ball Copra and one Milling Copra unit. After the introductory remarks agenda items were taken up.

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AGENDA No. 1: Confirmation of the Proceedings of 39th Project Approval Committee Meeting held on 17th August 2012

The Committee confirmed the proceedings of the 39th Project Approval Committee Meeting.

AGENDA No. 2: Action taken report of the 39th PAC Meeting

The committee perused the action taken on the decision of the 39th meeting of the Project Approval Committee.

AGENDA No. 3: Approval of new project proposals:

1. ***Value added formulation of ayurvedic drug Ksheerabala by using virgin coconut oil and its therapeutic effects on arthritis- St. Thomas College, Pala at a total cost of Rs 39.08 Lakhs.***

The project was presented by Dr. Ratheesh M., Assistant Professor, Department of Biochemistry, St. Thomas College, Pala. The P.I. highlighted the need to develop an effective anti-inflammatory drugs with fewer side effects for treatment of rheumatoid arthritis .

The objective of the project is to formulate a value added formulation of ayurvedic drug Ksheerabala by using virgin coconut oil and evaluate its therapeutic effects on experimental arthritis with focus on Antioxidant potential, Anti-inflammatory effect, Inhibition on paw pathology,(Histopathology and synovial pathology) and Molecular mechanism of Action.

The PAC after detailed discussion approved the project in principle at a total cost of Rs 39.08 Lakhs, Boards share being Rs 20.957 lakhs for a period of two years and authorized Chairman, Coconut Development Board to approve the revised proposal incorporating the following aspects, as and when received.

1) Role of each participating research institute namely; Govt Ayurveda College, Thiruvananthapuram, Indian Institute of Science, Bangalore, and M.G. University, Kottayam should be specified in the present investigation
2) Ethical clearance for conducting the project in consultation with approved agencies (eg. CPCRI, Kasargod) should be obtained.

2. Nutritional Evaluation of the Embryonic Tissue-Haustorium of the Germinating Coconut as a Food Supplement and its Therapeutic Analysis- SCMS Institute of Bioscience and Biotechnology Research & Development (SIBBR&D, Kalamassery, Kochi at a total cost of Rs 50.08 Lakhs

The project was presented by Prof. (Dr). C. Mohankumar, Director, SCMS Institute of Bioscience and Biotechnology Research and Development, SIBB R&D), Cochin. The objectives of the project are :1)To standardize the germination of mature coconut for the development of Haustorium 2) Analysis of macro and micro constituents viz. protein, sugars, amino acids, vitamins, hormones, minerals 3)Optimization of the nature of the tissue and standardization of processing Haustorium 4) Cell migration assay to evaluate the growth promoting property 5)Therapeutic analysis in animal models during normal and pregnancy conditions and 6) Microbial and Toxicity analysis of the preparation.

The committee after detailed discussions approved the proposal in principle at a total cost of Rs 50.08 lakhs and Boards share being Rs. 25.08 lakhs for a period of two years. Expert of the committee opined that the commercial value of the study, outcome and benefit to the farmer may be clearly spelt out.

3. *Designing a Hygienic Harvesting Process and an Appropriate Harvesting Technology for Sustaining the Quality of Coconut Neera as a Nutritive Drink -SCMS Institute of Bioscience and Biotechnology Research & Development (SIBBR&D, Kalamassery, Kochi at a total cost of Rs 60.84 Lakhs*

The project was presented by Prof. (Dr). C. Mohankumar, Director, SCMS Institute of Bioscience and Biotechnology Research and Development, SIBB R&D), Cochin.The objectives of the project are : 1)To promote a appropriate harvesting process of coconut Neera under aseptic conditions for preventing its auto fermentation 2) Analysis of the inherent and innate microbial load associated with the coconut Neera during harvesting 3) To develop an appropriate and cost effective processing technology for the production and preservation of Neera as a health drink without fermentation and 4) Feasibility studies on coconut Neera for enhancing its shelf life as well as the production of other value added products from it.

The committee after detailed discussions opined that such studies are the need of the hour and approved the proposal at a total cost of Rs 60.84 lakhs and Boards share being Rs. 30.84 lakhs for with a project period limited to one and half years. Chairman advised that the PI should submit fortnightly progress of the project to the Board regularly.

4. ***Standardization of neera and developing process for making value added products from coconut neera- Technology Development Centre, Coconut Development Board, South vazhakulam Aluva at a total cost of Rs. 25 lakhs***

Sree Kumar Poduval, Processing Engineer, CDB presented the project. The objectives of the project are :1) Assessing the variation of degree of fermentation of freshly collected neera with and without addition of lime at various temperatures in earthenware pots (control) and other food grade plastic vessels 2) Developing cost effective techniques for standardization of process for making jaggery, concentrated syrup and coconut palm sugar from neera

3) Packaging and shelf life studies of processed neera, jaggery, concentrated syrup and coconut sugar in different packaging systems at various temperature conditions and 4) Conducting nutritional and microbial analysis of coconut neera and other value added products from neera

Sri A.N Srivatsa Scientist (Retd.) DFRL, opined that standardization of Neera in retortable pouches may be excluded and other options viz. sterlizable pet bottles or low cost aluminium cans may be tried. The committee after detailed discussions approved the proposal at a total cost of Rs. 25 lakhs for duration of 6 months. Chairman advised the PI to submit weekly progress report of the implementation of the project by e mail to TMOC division with copy to CCDO and Chairman.

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5. ***Diversified product development – functional dietary and food ingredient from coconut milk powder, Olive Lifesciences Pvt. Ltd., Research and development center, KIADB Industrial Area, Antharasanahalli, Tumkur, Karnataka at a total cost of Rs 88.70lakhs.***

The project was presented by Dr Shivaprasad, Research Head, Olive Lifesciences Pvt. Ltd, Karnataka. The objectives of the project are:1) Selection of right variety of coconut, based on the average copra or milk content 2) Standardization and optimization of processing coconut milk powder 3) Screening of coconut milk powder for various in-vitro and in-vivo bioassays which are linked to develop product for fatigue (Chronic fatigue syndrome; CFS) and impaired memory 4) To develop a standardized coconut milk powder suitable for memory enhancing activity and/ or energy supplement activity 5) To scientifically establish the utility of this product, as dietary/food supplement and 6) To achieve higher value addition by brand building in the international market.

The committee after detailed discussions approved the proposal at a total cost of Rs.88.70 Lakhs limiting the share of Board at Rs 35.00 Lakhs for a duration of 36 months. Committee suggested that the first objective of selection of right variety may be excluded from the project instead of which data available with CPCRI may be taken for reference.

6*. Formulation of health mixes with Coconut Milk powder and coconut flour, their shelf life and effect on growth and Immune status- Department of Nutrition and Dietitics, PSG College of arts and science, Coimbatore at a total cost of Rs 29.52Lakhs.*

Dr. Lalitha Ramaswamy, Associate Professor & HOD, Dept of Nutrition & Dietetics, PSG College of arts and science, Coimbatore presented the project. The objectives of the project are: 1) To formulate health mixes using coconut flour and coconut milk powder 2)To determine the shelf life of the health mixes 3) To find out the effect of health mixes on the growth and immune capacity and 4) To compare the nutrient content and cost of the formulated mixes with commercial health mixes.

The committee after detailed discussions approved the proposal at a total cost of Rs 29.52 lakhs and Boards share being Rs.14.762 lakhs for a period of two years.

Chairman suggested that being a reputed institution and Coimbatore being a major coconut growing belt, various Departments of the collage viz Social sciences and Management Studies may initiate actions for formation of coconut farmer collectives which will help in evaluation as well as setting up of units on completion of the lab scale study.

7. Isolation, characterization and evaluation of in vitro anti-cancer and antioxidant activities of polyphenols from kernel and oil from coconut -School of Biosciences , M G University, Kottayam at a total cost of Rs 30.8 Lakhs

Dr K Muralidharan explained the background of the project and informed PAC that the project was already approved by the 38th PAC. However, the proposal is being placed before PAC due to change of project implementing agency

Chairman stated that since the project is being implemented by a State Government Institution, 100 % assistance shall be given for the study. The committee approved the proposal at a total cost of Rs 30.8 Lakhs for a period of 3 years

8.Setting up of a desiccated coconut powder manufacturing unit - Malabar Coconut Products, Pravasi Industrial Estate, Trithallur PO, Thrissur, Kerala at a total cost of Rs. 228.89lakhs

The objective of the project is setting up of a desiccated coconut powder manufacturing unit the capacity from 20,000 coconuts per day for producing 2 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land & Land Dev.	30.00	-	-
Building & Civil works	75.00	58.00	14.50
Plant & Equipments	80.00	80.00	20.00
Furniture & fittings	1.50	-	-
Electrical installations	8.65	-	-
Pre op. expenses	5.00	1.55	0.388
Working Capital margin	28.74	-	-
TOTAL	**228.89**	**139.55**	**34.888**

Committee suggested that the unit may be converted to a Private Limited Company for raising equity, taxation benefits and to bring in efficiency and better systems in operation of the unit.

The unit have a vinegar and bio gas unit for waste water utilization. The project was approved with a maximum eligible subsidy of Rs.34.888 lakhs.

9. Setting up of a desiccated coconut powder manufacturing unit & its by-products -M/s. Sri Matha Agro Tech, Manjumatha Nagar, Tiptur, Karnataka at a total cost of Rs.60.00 lakhs

The objective of the project is setting up of a desiccated coconut powder manufacturing unit with a capacity to process 30,000 coconuts per day for producing 3 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	18.00	18.00	4.50
Plant & Equipments	21.00	21.00	5.25
Electrical installation	0.50	0.50	0.125
Preliminary & Pre op. expenses	0.50	0.40	0.10
Working Capital margin	20.00	-	-
TOTAL	**60.00**	**39.90**	**9.975**

Approved the project with a maximum eligible subsidy of Rs.9.975 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project.

10. Setting up of a desiccated coconut powder manufacturing unit by M/s. Sri Guru Coconut Industry, Manjumatha Nagar, Tiptur, Karnataka at a total cost of Rs. 99.00 lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 50,000 coconuts per day for producing 5 MT desiccated coconut powder per day.

Components	**Total Project Cost**	**Eligible Project Cost**	**Maximum Eligible Subsidy**
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	50.75	50.75	12.688
Plant & Equipments	31.80	31.80	7.95
Electrical installation	2.00	2.00	0.50
Preliminary & Pre op. expenses	1.65	0.862	0.216
Working Capital margin	12.80	-	
TOTAL	**99.00**	**85.412**	**21.353**

Approved the project with a maximum eligible subsidy of Rs.21.353 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project.

11. Setting up of a desiccated coconut powder manufacturing unit - M/s.Nandi Agro Food Coconut Industries, Tumkur, Karnataka at a total cost of Rs. 119.15 lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 40,000 coconuts per day for producing 4 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	50.00	50.00	12.50
Plant & Equipments	59.65	53.19	13.298
Other fixed assets	0.25	-	-
Deposits	0.50	-	-
Contingencies	0.50	-	-
Preliminary & Pre op. expenses	0.25	0.25	0.0625
Working Capital margin	8.00	-	-
TOTAL	**119.15**	**103.44**	**25.86**

Approved the project in principle with a maximum eligible subsidy of Rs.25.86 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

12. Setting up of a desiccated coconut powder manufacturing unit - M/s. Meghana Coconut Industry,Halepalya, Tiptur, Tumkur, Karnataka at a total cost of Rs.114.50lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 20,000 coconuts per day for producing 2 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	60.80	41.00	10.25
Plant & Equipments	30.70	30.70	7.675
Diesel Generator set	5.00	5.00	1.25
BESCOM deposit & Electrification work	3.50	-	-
Pre op. expenses	2.50	1.025	0.256
Working Capital margin	12.00	-	-
TOTAL	**114.50**	**77.725**	**19.431**

Approved the project with a maximum eligible subsidy of Rs.19.431 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project. The product has been launched in the name 'Nature Fresh' and 'Flying Dove'.

13.Setting up of desiccated coconut manufacturing unit - M/s. Guru Raghavendra Coconut Industries, Sy. No. 109/6, Y.T.Road, Tiptur, Karnataka at a total cost of Rs. 124.85lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 40,000 coconuts per day for producing 4 MT desiccated coconut powder per day.

Components	**Total Project Cost**	**Eligible Project Cost**	**Maximum Eligible Subsidy**
	(₹ in lakhs)		
Land	-	-	-
Building & Civil works	53.50	50.00	12.500
Plant & Equipments	60.85	54.45	13.613
Other Fixed Assets	3.00	-	-
Preliminary Expenses	1.50	1.15	0.288
Deposits	0.50	-	-
Contingencies	0.50	-	-
Working Capital margin	5.00	-	-
TOTAL	**124.85**	**105.60**	**26.40**

Approved the project in principle with a maximum eligible subsidy of Rs.26.40 lakhs subject to the condition that Blanching & Effluent Treatment Plants (ETP) to be incorporated in the project. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

14. Expansion &Modernization of DC unit - M/s. Sri Lakshmidevi Coconut Industries, Hassan Dist, Karnataka at a total cost of Rs. 86.15lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 40,000 nuts /day for producing 4 MT desiccated coconut powder per day. The project was approved with an eligible cost of Rs.72.72 lakhs and eligible subsidy of 18.18 lakhs

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	29.20	29.20	7.300
Plant & Equipments	54.65	43.42	10.855
Other fixed assets	0.15	-	
Deposits	0.30	-	
Pre op. expenses	0.10	0.10	0.025
Working Capital margin	1.75	-	
TOTAL	**86.15**	**72.72**	**18.18**

Committee suggested that the unit may be converted to a Private Limited Company for raising equity, tax benefits and to bring in efficiency and systems in operation of the unit.

Approved the project in principle subject to the condition that Blanching & Effluent Treatment Plants (ETP) to be incorporated in the project. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

15.Setting up of desiccated coconut manufacturing unit - M/s. Jenukal Coconut Products, Mysore Road, Arsikere, Hassan Dt, Karnataka at a total cost of Rs.75.00lakhs

The objective of the project setting up of desiccated coconut powder manufacturing unit with a capacity to process 15000 nuts /day for producing 1.5 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	-	-	-
Plant & Equipments	32.88	32.88	8.220
Building & Civil works	32.35	29.105	7.276
Electrification	1.50	1.50	0.375
Diesel Generator	4.72	4.72	1.180
Electricity Deposit	0.35	-	-
Borewell & Pump set	1.70	-	-
Office equipments	1.50	-	-
TOTAL	**75.00**	**68.205**	**17.051**

Approved the project in principle with a maximum eligible subsidy of Rs.17.051 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

16. Setting up of desiccated coconut manufacturing unit - M/s. Sha Enterprises, Avitanellur, Poonath PO, Koilandy Tk, Kozhikode, Kerala at a total cost of Rs.19.25lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 5,000 nuts /day for producing 0.5 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Lease	-	-
Plant & Equipments	14.35	14.35	3.587
Building & Civil works	3.65	3.65	0.913
Working Capital margin	1.25	-	
TOTAL	**19.25**	**18.00**	**4.500**

Approved the project with a maximum eligible subsidy of Rs.4.50 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project.

17. Setting up of desiccated coconut manufacturing unit - M/s.Pooja Agro Products, Turuvekere Road Cross, Tiptur Tq., Tumkur Dist, Karnataka at a total cost of Rs.125.24lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 40,000 nuts /day for producing 4 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Plant & Equipments	60.49	38.417	9.604
Building & Civil works	59.00	59.00	14.750
Other fixed assets	0.15	-	-
Deposits	0.50	-	-
Pre op. expenses	0.10	0.10	0.025
Working Capital margin	5.00	-	-
TOTAL	**125.24**	**97.517**	**24.379**

Approved the project with a maximum eligible subsidy of Rs.24.379 lakhs.

18. Setting up of desiccated coconut manufacturing unit - M/s Akshya matha Agro Processing, Tiptur, Karnataka at a total cost of Rs. 143.64 lakhs

The objective of the project is setting up of desiccated coconut powder manufacturing unit with a capacity to process 10000 nuts /day for producing 1 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Plant & Equipments	34.51	34.51	8.627
Building & Civil works	55.00	43.00	10.75
Electrical installation	3.55	3.55	0.888
Working Capital margin	50.57	-	-
TOTAL	**143.64**	**81.06**	**20.265**

Approved the project in principle with a maximum eligible subsidy of Rs.20.265 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project.

19. Setting up of integrated coconut processing unit (VCO & DC)- M/s. Unicare coconut Products, Nadal, Edakkad, Kannur, Kerala at a total cost of Rs. 156 lakhs

The objective of the project is setting up of integrated coconut processing unit (VCO & DC) with a capacity to process 15,000 nuts per day for producing 1.5 MT DC per day and to process 5000 nuts per day for producing 300 litres of VCO per day.

Components	**Total Project Cost**	**Eligible Project Cost**	**Maxi. Eligible Subsidy**
	(₹ in lakhs)		
Land	Own	-	-
Land Development	5.00	5.00	1.250
Building & Other Civil works	43.00	43.00	10.750
Plant & Machinery	90.10	79.788	19.947
Technical know-how	0.55	0.55	0.138
Furniture & Office equipments	3.00	-	-
Preliminary & Pre op. exp	2.35	1.41	0.352
Working Capital margin	12.00	-	-
TOTAL	**156.00**	**129.748**	**32.437**

Approved the project with a maximum eligible subsidy of Rs.32.437 lakhs subject to the condition that Effluent Treatment Plants (ETP) to be incorporated in the project. Good management practices to be followed in the unit. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

20.Setting up of processing and packing of tender coconut water unit - M/s. Nature's, First India Pvt. Ltd., Battavarapalli Village, Belathur, Bagalur, Hosur, Tamilnadu at a total cost of Rs.215.00lakhs

The objective of the project is setting up of processing and packing of tender coconut water unit with a capacity to process 60,000 tender coconuts per day for packing 15,000 liters of tender coconut water per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	-	-	-
Building & Civil works	2.99	2.990	0.747
Plant & Equipments	187.47	187.470	46.867
Electrical Installation	19.25	19.250	4.812
Pre op. expenses	5.29	2.097	0.524
TOTAL	**215.00**	**211.807**	**Limited to 50.0 lakhs**

Approved the project in principle subject to the condition that the relevant documents viz Bank appraisal details, Plan & estimate for modification of the building and details of technology with process flow chart is furnished. PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

21. Setting up of processing and packing of tender coconut water unit - M/s. Ceves Agro Food Products Pvt Ltd, Gujarat unit at Theni, TN at a total cost of Rs. 503.00lakhs

The objective of this project is setting up of processing and packing of tender coconut water unit with a capacity to process 50,000 tender coconuts per day for processing of 14,000 litres of tender coconut water per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land & Building	90.00	-	-
Plant & Machinery	408.00	200.00	50.00
Office Equipments & Furniture	5.00	-	-
TOTAL	**503.00**	**200.00**	**50.00**

Approved the project with a maximum eligible subsidy of Rs.50 lakhs.

22.Setting up of processing and packing of tender coconut water unit - M/s. Life Tree Agro Foods, Palakkad, Kerala at a total cost of Rs.145.13 lakhs

The objective of this project is setting up of processing and packing of tender coconut water unit with a capacity to process 10,000 tender coconuts per day for processing 2,500 liters of tender coconut water per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	9.30	-	-
Plant & Equipments	56.50	49.50	12.375
Tech. Transfer Fee	3.50	3.50	0.875
Building & Civil works	45.80	40.00	10.00
Furniture & fittings	1.25	-	-
Electrical installations	8.93	8.93	2.230
Pre-op. expenses	9.42	1.25	0.312
Working Capital margin	10.43	-	-
TOTAL	**145.13**	**103.18**	**25.792**

Approved the project with a maximum eligible subsidy of Rs.25.792 lakhs.

23.Modernization of packaged Tender Coconut water unit- M/s. Jain Agro Food Products Pvt. Ltd., Mandya, Karnataka at a total cost of Rs. 81.00 lakhs

The objective of this project is Modernization of packaged Tender Coconut water unit to expand the capacity from 20000 tender coconuts per day to 48000 tender coconuts per day (8800 litres of tender coconut water per day) in bottles, tetra pack and aseptic bulk packing.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
Plant & Machinery	(₹ in lakhs)		
Machineries	71.85	71.85	17.96
Filters	2.35	2.35	0.587
Generator	6.80	5.00	1.25
TOTAL	**81.00**	**79.20**	**19.797**

Promoter has already availed a subsidy of Rs.30.065 lakhs as subsidy for establishing the unit. Approved the project with a maximum eligible subsidy of Rs.19.797 lakhs.

24.Setting up of Coconut milk manufacturing unit - M/s. Global Exports and Imports, Nadackal, Kottayam, Kerala at a total cost of Rs. 189.00 lakhs

The objective of this project is setting up of Coconut milk manufacturing unit with a capacity to process 30,000 coconuts per day for producing milk powder.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	39.00	39.00	9.750
Plant & Equipments	131.35	131.30	32.825
Furniture & office equipments	1.65	-	-
Pre op. expenses	3.00	1.70	0.425
Working Capital margin	14.00	-	-
TOTAL	**189.00**	**172.00**	**43.000**

Approved the project in principle subject to the condition that building cost to be reworked since it is a reconstruction of the existing building and subsidy worked out accordingly. PAC authorized Chairman to approve the revised cost as and when submitted.

25.Setting up of coconut milk powder and desiccated coconut manufacturing unit - M/s. Holista Tranzworld Ltd, Egmore, Chennai, Tamil Nadu at a total cost of Rs.645.00lakhs

The objective of this project is setting up of Coconut milk powder and desiccated coconut manufacturing unit with a capacity to process 35,000 coconuts per day for producing 800 MT of Coconut Milk and 300 MT of Coconut milk powder.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land & Building	10.00	-	-
Plant & Equipments	235.0	200.00	50.00
Working Capital margin	350.0	-	-
TOTAL	**595.00**	**200.00**	**50.00**

Approved the project with a maximum eligible subsidy of Rs.50 lakhs. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents and separate loan details for the unit are submitted.

26.Setting up of coconut water based vinegar manufacturing unit - M/s. Keralite Foods,Karthika,Koonthaloor, Chirayankeezhu, Trivandrum, Kerala at a total cost of Rs. 22 lakhs

The objective of this project is setting up of Coconut water based vinegar manufacturing unit with a capacity to process 300 liters of coconut water per day for producing vinegar.

Components	**Total Project Cost**	**Eligible Project Cost**	**Maximum Eligible Subsidy**
	(₹ in lakhs)		
Land & Land Dev	1.00	1.000	0.250
Building & Civil works	8.50	8.500	2.125
Plant & Machinery	6.05	5.960	1.490
Electrical installations	3.28	3.079	0.769
Furniture	0.50	-	-
Pre op. expenses	0.80	0.196	0.049
Working Capital margin	1.87	-	-
TOTAL	**22.00**	**18.735**	**4.684**

Approved the project with a maximum eligible subsidy of Rs.4.684 lakhs. It was also suggested that the promoter may enhance the product line and expand the capacity of the unit. Committee suggested that the unit may be converted to a Private Limited Company for raising equity, tax exemption and to bring in efficiency and systems in operation.

27. Setting up of Shell charcoal manufacturing unit - M/s. ARSTA Eco, Doddapette, Tiptur, Karnataka at a total cost of Rs. 105.77 lakhs

The objective of this project was setting up of Shell charcoal manufacturing unit with a capacity to process **5.3 MT** of coconuts shell per day for producing **1.60 MT** Shell Charcoal.

Components	Project Cost (Charcoal unit)	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	13.58	-	-
Plant & Equipments	70.94	70.94	17.735
Building & Civil works	12.50	12.50	3.125
Electrical installation	2.75	2.75	0.687
Office equipments	1.50	-	-
Generator	3.50	3.50	0.875
Lab Equipments	1.00	1.00	0.250
TOTAL	**105.77**	**90.69**	**22.672**

Approved the project with a maximum eligible subsidy of Rs.22.672 lakhs. Committee suggested that the unit may be converted to a Private Limited Company for raising equity, tax benefits and to bring in efficiency and system in operation.

28. Setting up of Granulated coconut shell charocoal unit - M/s.Guru Raghavendra Char Products, Tiptur, Karnataka at a totoal cost of Rs. 67.21 lakhs

The objective of this project is setting up of a unit for manufacturing Granulated coconut shell charocoal from coconut shell.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Lease	-	-
Building & Civil works	35.00	24.00	6.000
Plant & Equipments	24.76	24.76	6.190
Electrification	2.45	2.45	0.612
Working Capital margin	5.00	-	-
TOTAL	**67.21**	**51.21**	**12.802**

Approved the project with a maximum eligible subsidy of Rs. 12.802 lakhs. Committee suggested that the two units proposed by the same promoter can be converted to Private Limited Companies for raising equity, tax benefits and to bring in efficiency and systems in operation.

29.Setting up of coconut shell based steam activated carbon - M/s. Kalpachar Products Pvt. Ltd., Pennasamudra Village, BH Road, Arsikere, Karnataka at a total cost of Rs.550.00 lakhs

The objective of this project was setting up of coconut shell based steam activated carbon with a capacity to process 72 MT of coconut shell per day to produce 8 MT Coconut shell based steam Activated carbon with a total cost of Rs. 550 lakhs as follows:

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land		-	Limited to 50 lakhs
Plant & Equipments		200	
Building & Civil works		125	
Electrical installation		20	
Working capital margin		-	
TOTAL	**550.00**	**345**	

Approved the project with a maximum eligible subsidy of Rs. 50 lakhs.

30. Modernisation and capacity enhancement of existing coconut shell based activated carbon unit - M/s.Raj Carbon, Harbour bye pass road, Tuticorin, Tamilnadu at a total cost of Rs. 120.456 lakhs

The objective of this project was Modernisation and capacity enhancement of existing coconut shell based activated carbon unit with a capacity to process 45 MT to 108 MT of coconut shell per day for producing 12 MT Coconut shell activated carbon.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	-	-	-
Plant & Equipments	113.930	113.930	21.48
Electrical installation	6.526	6.526	
TOTAL	**120.456**	**120.456**	**21.48**

The promoter has already availed a subsidy of Rs.28.52 lakhs for setting up of the unit in the year 2006. Approved the project with a maximum eligible subsidy limited to Rs.21.48 lakhs since it is an expansion of the same unit.

31.Setting up of Activated Carbon manufacturing unit - M/s. United Carbon Solutions Pvt. Ltd, Kangayam, Tirupur TN at a total cost of Rs. 996.01 lakhs

The objective of this project was setting up of Activated Carbon manufacturing unit with a capacity to process **100 MT of coconut** shell per day for producing **11 MT Coconut shell activated carbon**.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land & Land Dev.	51.20	-	-
Plant & Equipments	714.66	200.00	50.00
Building & Civil works	193.67	-	-
Electrical installation	5.73	-	-
Others	1.69	-	-
Pre op. expenses	2.97	-	-
Working Capital margin	26.09	-	-
TOTAL	**996.01**	**200.00**	**50.00**

Approved the project with a maximum eligible subsidy of Rs. 50 lakhs. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

32. Setting up of a Activated Carbon manufacturing unit - M/s.Rachamallu Carbons Pvt Ltd., Hyderabad, Andhra Pradesh at a total cost of Rs. 484.3 lakhs

The objective of this project Is setting up of Activated Carbon manufacturing unit with a capacity to process process 72 MT of coconut shell per day for producing 8 MT Coconut shell activated carbon.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Plant & Equipments	351.30	200.00	50.00
Building & Civil works	115.00	-	-
Office furniture	3.00	-	-
Vehicles	15.00	-	-
TOTAL	**484.30**	**200.00**	**50.00**

Approved the project with a maximum eligible subsidy of Rs. 50 lakhs.

33.Setting up of Coconut shell based Activated Carbon manufacturing Unit - M/s Vcan Active Carbon Pvt Ltd.,Adyar, Chennai. Tamilnadu at a total cost of Rs. 407.9 lakhs

The objective of this project Is setting up of Coconut shell based Activated Carbon manufacturing Unit with a capacity to capacity to process process 50 MT of coconut shell per day for producing **4.5 MT Coconut** shell activated carbon.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land (2.17 Acres- lease)	34.51	-	**Limited to 50.0 lakhs**
Plant & Machinery	161.55	161.45	
Building & Civil works	140.90	135.00	
Transportation & erection	3.00	-	
Other Assets	2.00	-	
Electrification	10.00	10.00	
Contingencies	12.44	-	
Preliminary & Pre op. expenses	11.50	3.41	
Working Capital margin	32.00	-	
TOTAL	**407.90**	**309.86**	

Approved the project with a maximum eligible subsidy of Rs. 50 lakhs.

34. ***Setting up of ball copra manufacturing unit - Mr. Santhosh V.K., Vadakkedath, Kavilumpara, Kozhikode, Kerala at a total cost of Rs. 10.00 lakhs***

The objective of this project Is setting up of ball copra manufacturing unit with a capacity to process **96,000** coconuts for producing **12 MT Ball copra** per year.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy	
	(` in lakhs)			
Land	1.00	-	-	
Building & Civil works	8.00	7.00	1.75	
Preliminary & Pre op. expenses	0.05	0.05	0.0125	
Fixed Assets	0.15	-	-	
Working Capital margin	0.80	-	-	
TOTAL	**10.00**	**7.05**	**1.7625**	

Approved the project in principle with a maximum eligible subsidy of Rs.1.7625 lakhs. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

35. Setting up of a ball copra processing unit - Smt. Naga Satya SSHG, EG Dist, Andhra Pradesh at a total cost of Rs. 19.50 lakhs

The objective of this project is setting up of ball copra processing unit with a capacity to process **4 lakhs coconuts** for producing **50 MT ball copra per year**.

	(a)		***(b)***
Components	**Total Project Cost**	**Eligible Project Cost**	**Maximum Eligible Subsidy**
	(₹ in lakhs)		
Land	5.00	-	-
Building & Civil works	14.50	14.50	3.625
Working Capital margin	…	..	…
TOTAL	**19.50**	**14.50**	**3.625**

Approved the project in principle with a maximum eligible subsidy of Rs. 3.625 lakhs. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

36. Setting up of a ball copra processing unit - M/s. Sri Venkata Lakshmi Traders,WG, Andhra Pradesh at a total cost of Rs. 28.87 lakhs

The objective of this project Is setting up of ball copra processing unit with a capacity to process 10 lakh coconuts per year for producing 125 MT Ball copra per year.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works (489 sq.m)	28.10	28.10	7.025
Preliminary & Pre op. expenses	0.77	-	-
TOTAL	**28.87**	**28.10**	**7.025**

Approved the project in principle with a maximum eligible subsidy of Rs. 7.025 lakhs. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

37. Setting up of ball copra manufacturing unit - Shri.Pedamallu Brahmanandham, Pasarlapudi Lanka, , EG. Dist, AP at a total cost of Rs. 36.00 lakhs

The objective of this project is setting up of ball copra manufacturing unit with a capacity to process **6.10 lakhs** coconuts/ six months for producing 76 MT Ball copra per year.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	-	-	-
Plant & Equipments	-	-	-
Building & Civil works	32.70	32.70	8.175
Preliminary & Pre op. expenses	3.30	-	-
TOTAL	**36.00**	**32.70**	**8.175**

Approved the project in principle with a maximum eligible subsidy of Rs. 8.175 lakhs. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

38. Setting up of ball copra manufacturing unit - Shri. Susil Goyal, Mukteswaram, Andhra Pradesh at a total cost of Rs. 15.00 lakhs

The objective of this project is setting up of ball copra manufacturing unit with a capacity to process 10 lakhs nuts/year for producing 125 MT Ball copra per year.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	15. 0	12.50	3.125
TOTAL	**15.00**	**12.50**	**3.125**

Approved the project in principle with a maximum eligible subsidy of Rs.3.125 lakhs. Since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

39. Setting up of ball copra manufacturing unit - Shri. Kankipati Adinarayana, E.G. Dist, Andhra Pradesh at a total cost of Rs. 20.0 lakhs

The objective of this project is Setting up of ball copra manufacturing unit with a capacity to process 7 lakh nuts per year for producing 87.5 MT Ball copra per year. The project was approved with an eligible cost of Rs. 20 lakhs and eligible subsidy of Rs. 5 lakhs as follows:

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Building & Civil works	20.00	20.00	5.00
Working Capital margin	..		
TOTAL	**20.00**	**20.00**	**5.00**

Approved the project in principle with a maximum eligible subsidy of Rs. 5 lakhs. However the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

40. Setting up of ball copra manufacturing unit - Smt. Kasa Renuka Durga Devi,W G Dist, Andhra Pradesh at a total cost of Rs. 25.74 lakhs

The objective of this project was setting up of ball copra manufacturing unit with a capacity to process 4 lakhs coconuts per year for producing 50 MT Ball copra per year. Approved the project with an eligible cost of Rs. 25.74 lakhs and eligible subsidy Rs..6.435 lakhs as follows

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land	Own	-	-
Plant & Equipments	-	-	-
Building & Civil works	25.74	25.74	6.435
TOTAL	**25.74**	**25.74**	**6.435**

However, since the unit has already commenced production, PAC authorized Chairman to sanction the eligible subsidy based on the actual expenditure as and when all the required documents are submitted.

41. Setting up of copra processing unit for production of high quality copra - Muthalamada Federation of CPS, Palakkad, Kerala at a total cost of Rs. 53.50 lakhs

Shri.P.Vinod Kumar, representing the Federation of Coconut Producers Societies, Muthalamada Gramapanchayat, Palakkad presented the proposal. The objective of this project is setting up of copra processing unit for production of FAQ grade copra with a capacity to process 30,000 coconuts per day for producing approximately 4.30 MT milling copra.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(₹ in lakhs)		
Land (10 Cents)	Lease	-	-
Plant & Equipments	20.50	19.00	4.75
Building (1570sq.ft.) Lease	1.00	-	
Civil work	16.50	16.50	4.125
Preliminary & Pre op. expenses	0.50	0.50	0.125
Working Capital margin	15.00	-	-
TOTAL	**53.50**	**36.00**	**9.00**

Approved the project with an eligible cost of Rs. 36 lakhs and eligible subsidy of Rs. 9 lakhs.

42. Control of Black Headed Caterpillar of coconut in Erode district -Commissioner of Agriculture, Department of Agriculture, Chepauk, Chennai at a total cost of Rs 8.64 lakhs.

Dr K Muralidharan, Director presented the proposal to implement the scheme in 4 selected Blocks (Anthiyur, Bhavanisagar, Sathyamangalam, Thalavadi) of Erode District covering 7200 trees by release of braconid parasite which is to be produced in Gobi Parasite breeding station and Bhavani Control lab . The committee approved the proposal at a total cost of Rs 8.64 Lakhs with a duration of 6 months. Committee wanted to have monthly progress report to be monitored by TMOC Cell.

43. Design and Development of hydraulic coconut breaker - M/s.Apex Design Center, Coimbatore

Dr K Muralidharan presented the proposal and after discussions the committee approved the project in principle subject to the condition that the cost of manpower should be limited to 3 lakhs. Project cost approved is as follows:

Development Cost in Lakhs	
Development Purchases	2.8
Machinery and Tools	2.0
Manpower	3.0
Patent Filling	1.0
Total	**8.80**

The committee approved the proposal at a total cost of Rs 8.80 Lakhs and eligible subsidy of Rs. 4.40 lakhs and a duration of 6 months. Monthly monitoring of the progress of implementation to be carried out by TMOC Cell.

Other Items

1. ***Proposal for revolving fund for the project "Establishment of Biological Control Laboratory" at Regional Office, CDB, Bangalore -reg***

Considering the requirement for large scale production of parasitoids on self sustainable basis, the proposal for maintaining the parasite breeding lab with a production target of 25 lakh parasites per annum was approved involving an amount of Rs 2,00,000/-as revolving fund. The increase in wages of lab attendants and cleaning workers was also approved by the Committee. Committee also opined that the details of amount realized as receipts through release of parasites yearwise from the

commencement of the project has to be ascertained. Release of 1st installment funds of Rs.1,25,000/-effected for continuing the production of parasites was ratified. The revolving fund may be settled by March 31st every year and be renewed every year.

2. ***Proposal for fund requirement for the period April 2013-March 2014 for Quality Testing Laboratory at Vazhakulam - reg***

Proposal has been deferred for the time being. Chairman expressed his utter dissatisfaction and desperation on the pathetic condition of the maintenance of Quality Testing Laboratory and TDC at Vazhakulam which he found during his recent visit to the campus. The Junior Processing Engineer should take immediate steps to make the premises and building presentable and submit proposals later. Chairman also suggested that the following activities to be taken up urgently by TDC/ QTL staff to make the functioning of the unit vibrant and result oriented.

1. Cleaning and maintenance of the premises.
2. Maintenance of the building including front gate.
3. Planting of sufficient Nos. of dwarf seedlings in the campus.
4. Display of products manufactured during training especially biscuits, cookies etc. made of coconut.
5. Each of the scientific staff having PG degree should take up a project – each, proposal to be submitted immediately.
6. JPE/ QTL team may initiate formation of CPS/ CPF in the neighbouring Grama Panchayats and Block Panchayats and introduce small scale coconut based processing units by providing training and motivation, and technical support.

3. Establishment of an Integrated Coconut Processing unit - Indus Bio Products, Parpunja, Puttur, S. Kannara Dist., Karanataka - approval for revised Plant & Machinery.

The revised project proposal for establishment of an Integrated Coconut Processing unit with an enhanced capacity of 15,000 coconuts/day for DC at a total cost of Rs.71.52 lakhs and eligible subsidy of Rs. 27.327 lakhs was approved by the PAC.

4. ***Ratification of expenditure incurred for the survey for estimation of Coconut Production 2013-14 - CDB, HQ.***

An expenditure of Rs. 41, 12,348 incurred for conducting the survey and met from the TMOC head was approved by the PAC.

5 Ratification of proposals sanctioned in principle by 39th PAC - M/s. SS Coconut Industries, Geejihally, Arsikera, Hassan Dist., Karnataka.

PAC ratified the sanction of revised project with eligible subsidy of Rs. 25.145 lakhs.

6. Ratification of proposals sanctioned in principle by 39th PAC -M/s. Sree Mukkanneshwari Coconut Industries, Tiptur Tq., Tumkur Dist, Karnataka

PAC ratified the sanction of revised project with eligible subsidy of Rs. 13.606 lakhs.

7. Ratification of proposals sanctioned in principle by 39th PAC - M/s.Tenguraja Coco Products, Karkala, Uduppi, Karnataka

PAC ratified the sanction of revised project with eligible subsidy of Rs. 27.775 lakhs.

8. ***Project proposal "Market research study on tender coconut supply chain" - Local Economic Development Society, Kochi***

Project was presented by Shri. Anoop Nair, CEO, LEDS and PI of the project. Committee approved the project at a total project cost of Rs. 4.50 lakhs. The objective of the project is to carry out a research study for assessing the potential involved in establishing a Tender coconut supply chain. The stake holders would consist of coconut farmers 50, Coconut Producers Society 5, FOCT 60, Tender Coconut Parlour Vendors and intermediaries 50, consumers of tender Coconut users and non users 100 nos each.

9. ***Establishment of one tender coconut parlour and to sell tender nuts collected from the members of the federations and other coconut-based products – ratification of the expenditure incurred - Kaipamangalam Federation of Coconut Producers society, Thrissur***

PAC ratified the expenditure of Rs. 1,49,400/- incurred for setting up a tender coconut parlour by the Kaipamangalam Federation of Coconut Producers society, Thrissur sanctioned on 13.5.2013.

10. Establishment of two tender coconut parlours and for sale of tender nuts collected from the members of the Kanjiramkulam CPS, Kazhuvoor (PO), Trivandrum – Sanction for reimbursement and ratification of location change :-

The change of location of a tender coconut parlour from Neyyattinkara and Kovalam to Chowara was ratified and sanction was accorded for reimbursing an amount of Rs. 62,850/-towards the expenditure incurred for setting up a parlour.

11. Extension of time for implementation of the Market Promotion activities of VCO- manufactured by M/s Keratech coconut oil Manufacturing Co, Engandiyoor, Thrissur

PAC opined that the reason furnished for delay in submission of documents are not justifiable and hence the proposal is deferred. Further, the party may submit the details of production, growth in sale, increase in turnover and profit during the period within a month positively.

12. Extension of time for implementation of the Market Promotion activities of coconut cream- manufactured and promoted by M/s Dinesh Food, Dinesh Bhavan, Payyambalam Road, Kannur

PAC opined that the reason furnished for delay in submission of documents is not justifiable hence the proposal is deferred. Further, the party may submit the details of production, growth in sale, turnover and profit during the period within a month positively.

13. Evaluation of Mass Trapping Technology for coconut black headed caterpillar (Opisina arenosella) by using indigenously developed Sex Pheromone Lures and Traps submitted by Pest Control of India, Bangalore – Extension of project period – Ratification.

The project has been completed and final report also submitted in April 2013. PAC ratified the extension of the project period for 3 months upto April 2013.

14. "Quick Detection of root wilt diseases of Coconut using molecular kit"- by Dr. R Manimekalai, CPCRI, Kasaragod – Extension of project period –Ratification

PAC ratified the extension of the project period granted up to September 2013.

15. Scaling up the production of planting material from coconut root (wilt) disease resistant palms through plumule culture –By Dr. Anitha Karun, CPCRI, Kasargod, Extension of project period – Ratification

PAC ratified the extension of the project period granted up to September 2013.

16. Network Project for Establishment of Nucleus Seed Gardens for Production of Quality Planting Materials of Recently Released Coconut Cultivars by CPCRI, Kasaragod-AICRP (Palms), CPCRI, Kasargod, Extension of project period – Ratification

PAC ratified the extension of the project period granted up to September 2013.

17. Field demonstration of integrated disease management technology for management of coconut leaf rot disease including bio control agents" by CPCRI, Kayamkulam - Enhancement of Project cost - Ratification

PAC ratified the enhancement of project cost to Rs.14,79,872/- due to increase of remuneration of research fellows working under the project on par with the rate prevailing under ICAR funded schemes with effect from 1.4. 2010 and payment of arrears of Rs.1,11,113/- to the Institute.

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18. ***Mass multiplication of Parasitoids, Predators, Bio-Agents and large scale demonstration of Biological control of major insect pest and diseases of Coconut in Andhra Pradesh by Dr. Y.S. R Horticultural University, A.P. –Additional budget proposal***

PAC sanctioned an additional amount of Rs.4.42 lakhs for conducting the demonstration in 50 acres.

The meeting concluded by 2.30 P.M with a vote of thanks.

Dr. K.Muralidharan
Director

List of Participants

S.No.	Name and address
A	**MEMBERS**
1	Shri. T.K. Jose IAS Chairman, Coconut Development Board
2	Sri. M.K. Shankaralingagowda, IAS Principal Secretary (Horticulture), Secretariat, Multistoried building, IIIrd Stage , IVth Floor, Dr.Ambedkar Veedhi, Bangaore
3	Dr.George V. Thomas, Director, CPCRI, Kasargod. Representative of Assistant Director General (Plantation crops) Indian Council of Agriculture Rresearch(ICAR), Krishi Anusandhan Bhavan –II Pusa. New Delhi-110 012.

4	Sri. B.J Jayakkumar, Additional Director, Department of Agriculture, Government Secretariat, Thiruvananthapuram. Representative of Secretary (Agri), Govt. of Kerala, Thiruvananthapuram.
5	Dr. Anilkumar R. , Assistant Agricultural Marketing Adviser, D.M.I., R.O., Kochi. Representative of Joint Secretary & Agricultural Marketing Adviser to Govt. of India, Room No.237, Krishi Bhavan, New Delhi
6	Sri.P.M. Jayapher, A.G.M The Chief Regional Manager, Indian Oveseas Bank, Regional Office, M.G Road, Ernakulam- 682 016
7	Shri.Sugata Ghose, Chief Coconut Development Officer, Coconut Development Board, Kochi
B	**EXPERTS**
8	Dr. A.N. Srivatsa, Retd.Scientist(DFRL), 411, A & B Block, Navilu Road, Kuvempu Nagar, Mysore – 570 023.
9	Dr.Chandrika Mohan, Senior Scientist, CPCRI, Kayamkulam.

C	**In Attendence**
10	Dr. K. Muralidharan, Director Coconut Development Board, Kochi
12	Dr. A.K.Nandi, Secretary, Coconut Development Board, Kochi
13	Shri. Sreekumar Poduval Junior Processing Engineer, CDB, Kochi
14	Sri. K.S Sebastian, Assistant Marketing Officer, Coconut Development Board, Kochi
15	Smt. Jayashree A , Senior Technical Officer Coconut Development Board, Kochi
16	Smt. Resmi. D.S., Technical Officer Coconut Development Board, Kochi