

**Proceedings of the Eleventh PAC Meeting of Technology Mission on Coconut held at
Bangalore on 17-7-2004**

The Eleventh meeting of the Project Approval Committee (PAC) on Technology Mission on Coconut was held at Le Meridian, 28th Sankey Road, Bangalore-52 on 17.7.2004 from 4.30 pm. Dr M L Choudhary, Chairman PAC, Chairman, Coconut Development Board and Horticulture Commissioner, Govt of India presided over the meeting. Dr K.L.Chadha, National Professor (Retd), also attended the meeting. The list of PAC Members who attended the meeting is annexed.

The following agenda were then taken up for consideration.

AGENDA No. 1: Confirmation of the proceedings of 10th Project Approval Committee Meeting.

The proceedings of the 10th PAC Meeting was confirmed

AGENDA No. 2: Approval of new projects.

Sub Component I. Development, demonstration & adoption of technologies for the management of pest & diseases affected coconut gardens.

Project No 1

Integrated pest and disease management of coconut in heavily root (wilt) disease affected districts of Kerala State to develop model coconut farms at a total cost of Rs.24, 98,100/- (Project period: 3 years) submitted by CPCRI, Regional Station, Kayamkulam -690 533, Kerala.

The Committee after careful examination of the project has approved the same in principle. However, CPCRI was requested to reduce the project cost to Rs.20.00 lakhs. It was also decided that the coconut palms in the project area need to be benchmarked with field identification marks, particularly a red ring in paint on each palms. In order to have close monitoring of the project, it was also decided to constitute a Committee consisting of Secretary, Agriculture, Govt. of Kerala; a member from Coconut Development Board and a Farmers' representative from among the beneficiaries. The Chairman, CDB has been authorized to approve the revised project and hence the revised project may be submitted to him (along with the original proposal) for final approval.

Project No 2

Project for enhancing the income and employment in the coconut sector through Integrated Farming in selected Panchayats in Kerala at a total cost of Rs.24, 40,000/- (Project period: 12 months) submitted by Swadeshi Naliker Mission, T.D.Road, Kochi.

The PAC observed that farming system is beyond the scope of TMOC. Hence the project was rejected.

Project No 3

Development, demonstration and adoption of technology for the integrated management of Eriophyid mite on Coconut at a total cost of Rs.8, 01,481/- (Project period: 3 years) submitted by Coconut Research Station, Tamil Nadu Agricultural University, Veppankulam- 614 906.

The PAC after careful examination of the project observed that a similar project has already been sanctioned to TNAU, Coimbatore and sufficient central assistance is available with State Govt. for mite control. Hence the committee did not approve the project.

Project No.4

Evaluation of the efficacy of sodium chloride (NaCl) with “APSA-80” for the control of coconut Eriophyid mite at a total cost of Rs.10, 49,540/- (Project period: 3years) submitted by Shri P.Omanakuttan, Athulya Nivas, Nallezhuthu mukku, Chavara P.O, Kollam.

The Committee observed that individuals are not eligible for financial assistance for conducting research under the sub-component of 'Development of technologies for the management of insect pests & diseases', as per the guidelines of TMOC. Hence the project is not approved.

Project No 5

Technology demonstration for productivity improvement through integrated management including multispecies cropping system in pest and disease affected coconut holdings in West Bengal at a total cost of Rs.33, 27,000/- (Project period: 5 years) submitted by Bidhan Chandra Krishi Viswa Vidyalaya, P.O. Kalyani, Dt. Nadia, West Bengal.

The PAC after careful examination of the project decided to request the University to recast the project with total focus on demonstration of pest & disease management. Infrastructure available at the Institution shall be utilized. Digital Camera, LCD projector etc.shall be excluded. Definite physical and financial targets on demonstration of each component and the total area proposed to be covered in each demonstration plot, in the different districts shall be indicated. Area for demonstration has to be selected in consultation with Deptt. of Horticulture and as far as possible it should be in contiguous area for obtaining tangible results. Revised project with proper justification shall be submitted to PAC for approval.

Project No 6

Development of IDM strategies for Pot-Super Cyclone coconut diseases and Demonstration of new technologies in the farmer's field of coastal Orissa at a total cost of Rs.82, 50,000/-

(Project period: 5 years) submitted by Department of Plant Pathology, College of Agriculture, Orissa University of Agriculture & Technology, Bhubaneswar.

The PAC opined that since the cyclone occurred in the State years back, the logic behind the proposal is not established. However a roving survey by a team consisting of members from CPCRI, CDB & OUAT shall be taken up for ascertaining and confirmation of any new strain of pathogens; and the report submitted to PAC for taking further decision on the project. Expenditure for the survey shall be met from the head “TMOC –Technical Support, External Evaluation & Emergent Requirements”.

Project No 7

Development of superior strain of entomophagous insect, *Goniozus nephantidis* (Muesbeck) for the biological suppression of Coconut Black Headed Caterpillar *Opisina arenosella* Walker at a total cost of Rs.22, 24,000/- (Project period: one year) submitted by PDBC, P.B.No.2401, H.A.Farm Post, Hebbal, Bellary Road, Bangalore-560 024

The PAC suggested that development of a new strain is a basic research and as such does not come under the purview of the mission. Hence the Committee opined that at a later stage and after identification of the superior strain, mass multiplication of the strain may be considered under TMOC.

Sub Component II. Development, Acquisition & Training and Adoption of technologies for processing & product diversification

Project No 8

Efficacy of coconut kernel protein in diabetic wound healing-mode of action and molecular basis at a total cost of Rs.13, 94,950/- (Project period: 3 years) submitted by M/s. Amrita Institute of Medical Sciences and Research Centre, Kochi-682 028.

The PAC after examination of the project observed that the project is beyond the scope of Technology Mission. Hence the project is not agreed to. Committee also suggested that as it is basic research more related to Health Department, the Institute may approach ICMR for funding.

Project No 9

Studies on the use of coconut oil based lipid emulsion as a vehicle for both parental and oral administration of antitumour drugs at a total cost of Rs.51, 03,000/- (Project period: 3 years) submitted by Metabolic Disorders Research Centre, Thiruvananthapuram.

The committee did not approve the project and suggested that this kind of studies shall be taken up by Govt. agencies.

Sub Component III. Market Research and Promotion

Project No 10

Popularising Packed Tender Coconut Water at a total cost of Rs. 29,96,900/-. Submitted by Shri. C.M.Kamaraj, Managing Director, Sakthi Coco products, Pollachi – 642 003, Tamil Nadu.

The Committee after careful examination of the proposal decided that it is the right time to prepare detailed guidelines for extending financial assistance under Market Promotion. PAC authorized Chairman, Coconut Development Board to constitute a suitable committee for formulation of norms and guidelines for extending financial assistance for under taking market promotion activities under TMOC. The committee shall submit the report to the next PAC for taking a final decision on all the projects for market promotion.

Project No 11

Economic Analysis of production, Marketing and Promotion of Coconut and its Products In Bihar/ Jharkhaand at a total cost of Rs.13.91 lakhs (Project period: 30 months) submitted by Department of Agriculture Economics, Rajendra Agricultural University, Bihar.

The PAC approved the project subject to the condition that infrastructure facilities available at the Institution shall be utilised and that the project period shall not exceed 30 months. Accordingly, revised project shall be submitted by the University to Chairman, Coconut Development Board for final approval.

Project No 12

Market development of coconut Milk powder and high and low fat desiccated coconut at a total cost of Rs.27, 01,800/- submitted by Faustin Mendonca – Director, Cobana Foods Private Ltd

The project will be considered in the next PAC after finalization

Project No 13

Project for opening one display cum sales centre at Kochi at a total cost of Rs. 7,55,000/- submitted by Swadeshi Nalikera Mission- Registered NGO.

The project is deferred to next PAC for final decision. Detailed norms for release of fund for projects under Market Promotion shall be prepared and submitted to PAC for approval.

AGENDA NO 3: Supplementary Subjects

1) Submission of Revised project, “**Mass Production and Demonstration of Bio-control agents for the management of Stem Bleeding disease, Rhinoceros beetle and Black headed caterpillar of Coconut**” at a total cost of Rs.19, 75,200/-(Project period: 3 years) submitted by CPCRI, Kasaragod.

The PAC approved the revised project at a total cost of Rs. 19,75,200/-

2) **Discontinuation of the second phase** of the project “**Developing a Mycoaccaricide for suppressing the coconut mite**”-PhaseII: **Bioefficacy, biosafety, registration and commercialization of ‘Mycohit’** at a total cost of Rs.13,31,000/- (Project period : 2 years) submitted by the Project Directorate of Biological Control, Bangalore.

The PAC took a serious view on discontinuation of the project in midway. It was decided to invite the Director, PDBC for a presentation in the next PAC justifying the discontinuation of the project.

3) **Revision of MoU** for the project “**Survey and Identification of root wilt disease free palms and evolution of resistant genotypes in coconut through selection and hybridization**” submitted by Onattukara Regional Research Station, Kerala Agricultural University, Kayamkulam at a total project cost of Rs. 41.62 lakhs, with Rs. 34.87 lakhs as the financial assistance (Project period: 5 years).

The PAC decided that

- 1) The objective of the programme as per the approved project is large-scale production of elite seedlings and hybrid seedlings (from 10,000 seednuts and 2,500 hybrid nuts respectively per annum) with comparative tolerance to root (wilt). Evolution of resistant genotype as mentioned in the title of the project is perceived as a long-term objective of the project. As such there is no need for changing clause 9 of the MoU.
- 2) The penalty clause is inserted as per the directives of Accountant General, Kerala for checking the willful delay in completion of projects. Hence the clause cannot be dropped as such. However, in case of delay due to genuine reasons, the Project Approval Committee (PAC) of Technology Mission on Coconut can condone the delay and exempt penalty. The clause may be suitably amended.

It was also decided to rename the project as “*Survey and Identification of root wilt disease free palms in coconut and evolution of tolerant genotypes through selection and hybridization*”

4) Engagement of a Technical Consultant for the project, Establishment of Biological Control Laboratory at Regional Office, CDB, Bangalore

The PAC authorized Coconut Development Board to approach to Govt. Institutions like PDBC, IIHR, State Agrl. Universities and to request them to nominate retired Professors, Sr.

Scientists, etc. for the post and their bio-data shall be submitted to next PAC meeting for selection.

5) Postponement of the project ‘Supply and value chain analysis of Edible Copra in India’ -submitted by Dr. Kamal Mathur, Programme Coordinator (PGPABM), National Institute of Agricultural Marketing (NIAM), Jaipur.

The PAC decided that project shall be considered only after review of report of the Director of Marketing Inspection on the project “*The Study on Production and Marketing of Coconut and its Products in India*” now being conducted by them.

6) Revision of objectives-Market promotion of Elaneer concentrate through installation of 25 Kiosks and 31 vending machines at different places - submitted by Miracle Food Processing International Ltd. Perinthalmanna, Kerala

The PAC decided to issue a notice to party. They may be asked to present in the next PAC meeting the reasons for deviating from the approved project.

7) Shifting of financial institution – by Adsorbent Carbons Limited, Tuticorin - under the project for modernization and expansion of their coconut shell based activated carbon plant

After detailed discussion, PAC authorized to issue a legal notice to the party for violating the conditions under which the bankable project was sanctioned to them viz.

- i) Shifting the loan account to another Bank and
- ii) Crediting the subsidy reserve fund to loan account of the promoter without prior permission of the Board.

8) Submission of Revised project, “Management of Plant parasitic nematodes in the Coconut based cropping system with special reference to Bioagents” submitted by Dr. (Mrs.) Sosamma Varghese.K, Principal Scientist (Nematology), CPCRI Regional Station, Kayangulam

PAC approved the project subject to reduction of Rs.2.50 lakhs from the total project cost by scaling down transportation charges to 1.00 lakh and deleting the item Laptop. Revised project shall be submitted to Chairman, Coconut Development Board (along with original project) for final approval.

The meeting concluded at 7.00 pm with vote of thanks to Chair.

(Thomas Mathew. M)

CCDO & Member Secretary PAC

(Annexure)

LIST OF PARTICIPANTS FOR THE 11TH PAC MEETING HELD ON 17.07.2004 AT BANGALORE.

No	Name and Address
1	Dr. M.L.Choudhary (Chairman, PAC) Horticulture Commissioner & Chairman, Coconut Development Board Department of Agriculture & Cooperation, Krishi Bhavan, New Delhi -110 001 Phone: 23381012 FAX 011 23384978
2	Dr. K.L. Chadha (Expert Member) House No.7281, Sector - B Pocket - X, Vasant Kunj, New Delhi – 110 070
3	Smt. Santhakumari I A S Secretary to Government of Karnataka, Horticulture Department, Karnataka Government Secretariat, Multistoried building, IIIrd Stage, IVth Floor, Ambedker Veedhi, Bangalore. FAX 080 2385687 Phone: 080 2260428
4	Shri. Mathew C. Kunnumkal Principal Secretary Department of Agriculture Government of Kerala, Government Secretariat, Thiruvananthapuram Phone: 0471 2333028 FAX 0471 2333115 (APC)
5	Dr. M.R. Sharma Principal Technical Advisor, Technical Services Department, NABARD, Plot No.C-24, G Block, P.B.No.8121, 7th Floor, Badra-Kurla Complex Bandra (E), Bombay – 400 051 Ph. 022 26539102, 26530061, 26530127 FAX 022 26530091
6	Shri M.R. Sundareswaran Senior Inspecting Officer Min. of Food Processing Industries Chennai
7	Dr. G.R. Bhatia Additional AMA Directorate of Marketing and Inspection, Govt. of India, NH.4, CGO Complex Faridabad – 121 001 Phone: 0129 2413191 0129 24165

8	Shri. Thomas Mathew Chief Coconut Development Officer Coconut Development Board Kochi
9	Shri. Rajeev.P.George Deputy Director (Dev) Coconut Development Board Kochi
10	Shri A.N. Muraleedharan Achari Finance Officer Coconut Development Board Kochi
11	Shri. R. Jnanadevan Assistant Director Coconut Development Board Kochi

**Proceedings of the Twelfth PAC Meeting of Technology Mission on Coconut held at
Coconut Development Board, HQ, Kochi on 9.9.2004**

The Twelfth meeting of Project Approval Committee (PAC) on Technology Mission on Coconut was held at Coconut Development Board, HQ, Kochi-11 on 9.9.2004 from 4.30 pm. Shri R.S. Pandey, Addl. Secretary (A & C), Krishi Bhavan, New Delhi and Chairman Steering committee on Technology Mission presided over the meeting. Dr K.L. Chadha, National Professor (Retd.) also attended the meeting. The list of Members who attended the meeting is annexed.

The following agenda were then taken up for consideration.

AGENDA No. 1: Confirmation of the proceedings of 11th Project Approval Committee Meeting.

The proceedings of the 11th PAC Meeting was confirmed

AGENDA No. 2: Action taken report of the 11th PAC Meeting

The action taken report of 11th PAC Meeting was perused by the committee.

AGENDA No. 3: Presentation of Guide lines proposed for Market Promotion

The Committee approved the following detailed “additional guidelines” for extending assistance for various Market Promotional activities, without deviating from the approved EFC norms.

A) Generic promotion

The Committee approved the suggestion that Erection of hoardings in important public places/ Metro Cities to promote generic promotion shall be undertaken by the Board with 100% assistance from TMOC. The committee further decided that private entrepreneur need not be supported for erecting hoarding for the market promotion.

B. Brand Promotion

1. The Committee approved that Financial assistance shall be limited to those products/ firms which confirm to quality standards viz. BIS / AGMARK/ FPO (which ever is applicable). Before extending assistance, quality of the product needs to be ensured. Suitable quality Report shall be obtained for quality norms.

2. At any time any manufacturer introduces a new coconut product, assistance can be extended to such products for creating consumer awareness and demand. However, same product of a manufacturer with a different brand name should not be considered for grant of assistance. The Committee approved the assistance for consecutive 3-year period for a new unit/new product limited to a maximum amount of Rs.10.00 lakh

C. Pattern of Assistance

- 1) Assistance may be split in such a way, that it does not exceed 10% of sales turn over during 1st year, 7% during 2nd year and 5% during 3rd year.
- 2) There is no change in the quantum of financial assistance. However, financial assistance under each component shall not exceed the amount shown below against each of these items subjected to over all ceiling of Rs. 10 lakhs.

Component	Scale of assistance
Brand publicity through electronic and print Media.	50% of the expenditure incurred limited to Rs.5.00 lakh
Parlours, Kioks, Ware house, etc.	50% of the expenditure incurred limited to Rs.2.00 lakh
Undertaking activities like buyer-seller meet, exchange of delegations, Participation of Exhibitions/Fairs/ Melas etc.	50% of the expenditure incurred limited to Rs.1.00 lakh
Printing of Leaflets, Pamphlets, Brochures, Posters, etc.	50% of the expenditure incurred limited to Rs.2.00 lakh
Developing/hiring of display facilities in major food chain market for a minimum period of 3 years	50% of the expenditure incurred limited to Rs.1.00 lakh
Development of Website.	50% of the expenditure incurred limited to Rs.1.00 lakh
Display of coconut products at Air Ports/Railway Stations	50% of expenditure incurred limited to Rs.1.00 lakh.

- 3) No assistance shall be extended to purchase of vehicle under Market Promotion.

D. General Condition

1) As far as possible assistance shall be extended to only manufactures. Assistance shall be extended to the Institution/firm directly under intimation to the Financial Institutions like lending bank etc. wherever, applicable.

2) Assistance should be made on reimbursement basis only and that too after verifying the bills/ Vouchers submitted in support of the claim. The TAN Number of the firm and PAN Number of the agency through which the marketing activity is undertaken shall be shown in their Bills.

3) Utilization Certificate in Form GFR 19-A (Annexure-XI) shall be furnished to the Board by the Institutions/firms availing financial assistance from the Board.

AGENDA No. 4: Approval of new projects.

Sub Component I. Development, demonstration & adoption of technologies for the management of pest & diseases affected coconut gardens.

Project No 1

Exploitation of Genetic Superiority for the alleviation of Root (Wilt) Disease of Coconut and Yield Enhancement- Regional Agricultural Research Station, Kumarakom, Kottayam – 686 566- at a total cost of Rs. 49.225 Lakhs

The Committee after careful examination decided that the non-recurring expenditure proposed is on the higher side and hence the project has to be revised with a total project cost limited to Rs. 20 lakh. The infrastructure facilities available with the KAU may be utilized. The committee also opined that setting up of serological lab should be re-examined taking in to the consideration, full utilization of facilities already developed at CPCRI and KAU under similar projects. The RARS, Kumarakom, KAU shall revise the project on the above lines and re-submitted to PAC for consideration.

Project No 2

Demonstration on Comprehensive Management of Coconut Palms Affected by Pests and Diseases – A Farmer Participatory Approach- Dr. S. Shilaja, Associate Professor (Extn.), ORARS, KAU, Kayamkulam, Alappuzha- at a total cost of Rs 55.33 Lakhs

The PAC observed that the project is basically a demonstration of technology for management of coconut palms affected by pests and diseases. Similar projects have already been sanctioned to CPCRI and KAU and are under implementation. Hence the project was not approved.

Project No 3

Eco-friendly approach for intercropping of Spices and Aromatic Plants in Coconut Plantation- Dr. G. Balakrishnamoorthy, Professor and Head, Department of Spices and Plantation Crops, Horticulture College and Research Institute, Tamil Nadu Agricultural University, Coimbatore- at a total cost of Rs. 29,61,388/-

The PAC observed that study on development of suitable farming systems in coconut garden is not coming under the purview of the Technology Mission on Coconut. Hence the committee did not approve the project.

Project No.4

Development of suitable inter crop modules with medicinal plants in coconut grove- Dr. G. Balakrishnamoorthy, Professor and Head, Department of Spices and Plantation Crops, Horticulture College and Research Institute, Tamil Nadu Agricultural University, Coimbatore- at a total cost of Rs. 29,61,388/-

The study on development of suitable farming systems in coconut garden is beyond the scope of Technology Mission. Hence the committee did not approve the project.

Sub Component II. Development, Acquisition& Training and Adoption of technologies for processing & product diversification

Project No 5

Development of technology for the production of virgin coconut oil by wet processing- Central Food Technological Research Institute, Mysore at a total cost of Rs.15.29 Lakhs

The committee observed that the proposed technology aims at reducing the operational cost by application of bio-enzymes for oil separation from coconut milk as compare to the existing wet processing technology which adopt the high cost centrifugal separation technique. The committee after careful examination of the project approved the project in view of the expected improved quality of virgin coconut oil.

Project No 6

Project for manufacturing of (Preserved and Packed) Tender Coconut Water- M/s. Fortune Beverages Private Limited, Gayatri Bhuvan, 7-New Meghani Nagar, Sahakar Main Road, Rajkot, Gujarat- at a total cost of Rs.89.46 Lakhs

M/s. Fortune Beverages Private Limited submitted the project as a back ended project through financing bank. The land documents, site plan, detailed estimate for the building etc.

are not furnished, after the detailed discussion PAC decided to that, the project shall be re-submitted with the above details to the PAC for consideration.

Project No 7

Establishing Quality Control Laboratory at Technology Development Centre, Vazhakulam, Aluva by CDB- Technology Development Centre, Coconut Development Board-Vazhakulam, Aluva -at a total cost of Rs. 136.56 Lakhs

The PAC observed that the Board has to create a National facility for Quality control on par with the International standard (NABL accreditation), hence suggested to change the Name of the Project as National Centre for Quality Control of Coconut Products. Under the project it is proposed to introduce a “CDB logo” as a mark for certification of the quality of coconut products and the project also proposes quality management systems like HACCP. The committee after detailed discussions approved the project at a total cost of 136.56 lakh with 100% assistance.

Project No 8

Development of a Technology Training Centre at Perambra block Panchayath” - Perambra Block Panchayath, Kerala at a total cost of Rs. 235 Lakhs

The Committee observed that the total cost of the project seems on the higher side. It was suggested that the expenditure proposed to create infrastructure has to be met from the promoters’ own source. The source of technologies to be acquired for extending training should be clearly indicated in the project along with the resource persons for running the training Centre. Committee decided to assist part of the recurring expenditure. Revised project on the above lines shall be resubmitted to PAC for consideration.

Sub Component III. Market Research and Promotion

Project No 9

Popularise Packed Tender Coconut Water – M/s. Sakthi Coco products, Pollachi – 642 003, Tamil Nadu - at a total cost of Rs. 29,96,900/-

The Committee approved the project as per the revised guidelines. The Committee authorized Chairman, PAC to sanction eligible subsidy based on reimbursement basis subject to the submission of sales turnover and audited statements.

Project No 10

Market development of coconut Milk powder and high and low fat desiccated coconut – M/s. Cobana Foods Private Ltd, 239, Guru Gobind Singh Estate, Goregaon (E), Mumbai - at a total cost of Rs. 27.02 Lakhs

The Committee approved the project in the light of revised guidelines and authorized Chairman, PAC to sanction eligible subsidy based on the revised norms on reimbursement basis subject to the submission of sales turnover and audited statements.

Project No 11

Project for opening one display cum sales centre at Kochi - Swadeshi Nalikera Mission, Swadeshi Bhavanam, T.D.Road, Kochi-682 035- at a total cost of Rs. 7.55 Lakhs

The Committee did not approve the project.

Project No 12

Market Promotion for coconut products- Benzy Food & Beverages P. Ltd. at a total cost of Rs. 38.45 Lakhs

PAC approved the project in light of the new guidelines.. PAC authorized chairman to sanction and release eligible subsidy on submission of audited statements and sales turn over.

AGENDA No. 5: Other Items

1) Revised Project proposal for “Enhancement of Production and Productivity in coconut by Laying out Demonstration Plots” submitted by Dept. of Horticulture, Govt. of Karnataka at a total cost of Rs 200 lakh – (revised to Rs 25 lakh.)

The Committee approved the revision of the project at total cost of Rs.25 Lakhs by considering the project under the sub-component ‘Demonstration of Technologies for Management of Pests and Diseases’ with 100% assistance from TMOC.

2) Submission of revised project -“Adoption of technology for the control of mite in Karnataka” for a total amount of Rs 2.38 Crores—submitted by Department of Horticulture, Karnataka

The Committee approved the revised proposal for implementing the programme during 2004-05 utilizing the unspent balance of Rs.42.887 lakh remaining with the State Govt. under the project for conducting block demonstrations as per the recommendations of National Steering committee on mite. The withdrawal of Rs 35 Lakhs from the university shall be reported to PAC for information.

3). Stopping the second phase of the project, “Developing a Mycoacaricide for suppressing the coconut mite”: bio safety, registration and commercialization of ‘Mycohit’- Project Directorate of Biological Control (PDBC), Bangalore.

Dr. R.J. Rabindra, Director, PDBC Bangalore presented the work done by the Institute and the reasons for stopping the project before conducting the biosafety studies and Registration as envisaged in the project. The final result was presented as

- * *Hirsutella thompsonii* formulations when applied as sprays on tender buttons could bring down the population of coconut mite upto 90 %.
- * *Hirsutella thompsonii* formulations could record a statistically significant reduction in nut damage in one trial each conducted by PDBC, ANGRAU and KAU (Thrissur) in two experiments conducted by KAU (Thiruvananthapuram). In the remaining experiments there was no significant reduction in nut damage.

However none of the new formulations developed are showing encouraging results as a short-term measure in terms of nut damage and Biosafety studies could not be taken up for commercialization of the product. Hence the project was stopped in the midway.

The Committee approved the Final Report and agreed to the closure of the project and ratified the refund of balance amount considering justifications furnished by the PDBC. The committee also agreed the payment of arrears to SRF engaged in the project due the enhancement of emoluments as per ICAR norms.

4) Request for additional fund towards payment of revised rate to SRF as per ICAR norms for the project, under various R&D projects sanctioned to ICAR institutions, SAU's etc.

The Committee approved the proposal for sanction of additional fund for payment of to SRF & JRF as per the ICAR norms to all the institutions for the ongoing project wherever such claims are received. New projects shall envisage staff funding pattern in the project proposal itself.

5) Project for “Establishment of Biological Control Lab at Regional Office, CDB, Bangalore” at a total cost of Rs 42.00 lakhs and “Modernisation of Parasite Breeding Lab at DSP Farm, Mandya at a total cost of Rs 27.80 lakhs” – approval of proposals and sanction of additional fund for construction of Corcyra Rearing Room.

The Committee authorized Chairman PAC to sanction additional fund for the construction based on proper justification and detailed plan and estimates.

6) Engagement of a Technical Consultant for the project, Establishment of Biological Control Laboratory at Regional Office, CDB, Bangalore

The Committee approved the engagement of Dr. Puttaswamy on need basis.

7) Project for 'Demonstration & adoption of technologies in coconut – Participatory planning and action through Self Help Associations of coconut farmers of Dindigul district of Tamil Nadu submitted by Gandhigram Rural Institute, Gandhigram.

The Committee agreed revalidation of unspent balance remaining with the institute for utilization during the second phase subject to the approval the detailed proposal including sketch, plan etc, for common infrastructure facilities proposed to be created in self help associations under the project by the CCDO member secretary PAC.

8) Market Promotion – Financial Assistance to M/s. Miracle Food Processors International Limited for Setting up Kiosks for the promotion of Concentrate Coconut Water.

Shri.Ahammed kutty, promoter of project presented details of the Kiosks and vending machines installed by the company in major cities for promotion of the coconut water concentrate. The project aimed at setting up of 25 Kiosks and 31 vending machines. The promoter could set up 31 vending machines and one Kiosk only. The promoter could not materialize installation of Kiosks as targeted because railways and other local bodies did not permit sufficient space.

The Committee approved the deviation.

9) Project sanctioned to Sevashram, Angamaly –“ Kerasyam – Value added coconut based products” – approval of revised action programme.

The Committee agreed to give extension for 1 year up to September 2005 for completion of the project and authorized CCDO member secretary PAC to closely monitor the program.

10) Study Result of the Project “Strategies for Sustainable Development of Coconut Industry, ‘Marketing and Promotion of Desiccated Coconut Powder’ & ‘Coconut Oil in the emerging scenario’ by M/s. Foretell Business Solutions Pvt. Ltd.

The Committee appreciated the work done by the agency approved the Results of the study.

11) Farm level processing and value addition-modernization of coconut processing by the introduction of improved copra dryers/other processing machineries/equipments.

The Committee approved the project at a total cost of 25 lakh for implementation during 2004-05 directly by the Board by extending 25% of the cost of dryer with a maximum limit of Rs.10, 000/- per unit as subsidy, at any time more than 50% shall not be paid as subsidy including “under state and central programs”, necessary checks shall be exercised.

PAC authorized the CCDO member secretary PAC to release fund as and when required under TMOC.

Meeting concluded by 8-30 PM with vote of thanks to chair.

M. Thomas Mathew

Chief Coconut Development officer
(Member Secretary PAC)

(Annexure)

LIST OF PARTICIPANTS FOR THE 12TH PAC MEETING HELD ON 9.09.2004 AT KOCHI.

No	Name and Address	
1	Dr.R.S.Pandey Additional Secretary, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India Krishi Bhavan, New Delhi –110 001	Phone: 011 FAX :011
2	Dr. K.L. Chadha (Co-opted Member) House No.7281, Sector – B Pocket – X, Vasant Kunj, New Delhi – 110 070	Phone: 011 55438009(O) 011 26896529 (R) FAX : 011 26124702
3	Dr. C. Swamidas Senior Marketing Officer Directorate of Marketing and Inspection, Cochin-3	
4	Dr. M.R. Sharma Principal Technical Advisor, Technical Services Department, NABARD, Plot No.C-24, G Block, P.B.No.8121, 7 th Floor, Badra-Kurla Complex Bandra (E), Bombay – 400 051	Ph : 022 26539102 022 26530061 022 26530127 : 022 24229668 (R) FAX 022 26530091
5	Shri. Mathew C. Kunnumkal Principal Secretary Department of Agriculture Government of Kerala, Government Secretariat, Thiruvananthapuram	Phone: 0471 2333028 FAX 0471 2333115 (APC)
6	Smt. L. Santhakumari I A S Secretary to Government of Karnataka, Horticulture Department, Karnataka Government Secretariat, Multistoried building, IIIrd Stage, Ivth Floor, Ambedker Veedhi, Bangalore.	Phone: 080 2260428 FAX : 080 2385687
7	Shri. Thomas Mathew Chief Coconut Development Officer Coconut Development Board Kochi	

8	Shri. V.K.Sankaran Secretary Coconut Development Board Kochi	
9	Shri. Rajeev.P.George Deputy Director (Dev) Coconut Development Board Kochi	
10	Dr. Remany Gopalakrishnan Deputy Director (Dev) Coconut Development Board Kochi	
11	Shri. R. Jnanadevan Assistant Director Coconut Development Board Kochi	
12	Shri. Sreekumar Poduval Jr. Processing Engineer Technology Development Centre Coconut Development Board Vazhakulam Aluva	

**Proceedings of the Thirteenth PAC Meeting of Technology Mission on Coconut held at
Krishi Bhavan, New Delhi on 26.10.04**

The 13th meeting of Project Approval Committee (PAC) on Technology Mission on Coconut was held at Meeting Hall No.142, Krishi Bhavan, New Delhi on 26.10.04 from 6.00 pm under the Chairmanship of Dr K.L. Chadha, National Professor (Retd.). Dr M L Choudhary, Hort. Commissioner & Chairman, Coconut Development Board, Ministry of Agriculture, Govt of India and also the Chairman of PAC attended the meeting. The list of other members/Officers who attended the meeting is given below.

Members

1. Mr.Mathew C. Kunnunkal, Principal Secretary (Agriculture) Govt. Of Kerala.
2. Ms. L. Shanthakumari, Principal Secretary, Horticulture Govt. Of Karnataka.
3. Dr. M.R. Sharma, Principal Tech. Advisor, NABARD, Bombay.
4. Dr. G.R. Bhatia, Additional Agriculture Marketing Advisor.
5. M. Thomas Mathew, CCDO, Member Secretary, PAC

Others

6. Mr.Anil Punetha, Commissioner Horticulture, Andhra Pradesh.
7. Dr. R.V. Nair, Scientist, CPCRI, Kayamkulam.
8. Dr. Uma Raghunathan, Representing ADG,Plantations, ICAR, New Delhi.
9. Mr.L. Shivrama Reddy, Dy. Commissioner, Ministry of Agriculture, New Delhi.
10. Mr. G.R. Singh, Dy. Director, CDB, New Delhi.
11. Mr. D.R.K. Rao, Ministry of Agriculture, New Delhi.
12. Mr.Rajeev P. George, Dy. Director, CDB, Kochi.

The following agenda were taken up for consideration.

AGENDA No. 1: Confirmation of the proceedings of 12th Project Approval Committee Meeting.

The proceedings of the 12th PAC Meeting was confirmed

AGENDA No. 2: Action taken report of the 12th PAC Meeting

The committee perused the action taken report of various recommendations of 12th PAC Meeting. The Committee noted the progress of implementations of the recommendations and observed that close monitoring of the programmes/schemes is essential to speed up the implementations and hence directed the secretariat to communicate the decisions of the PAC to various stakeholders for time bound follow-up actions. The projects/programmes of those agencies who are not adhering to the decisions of the PAC in the stipulated time shall not be taken up further. Wherever revisions, modifications are required according to the advice of the PAC, the same shall be collected within a period of one month, if the participating institution is not providing the required information/ implementation within the time the concerned schemes shall be treated as cancelled.

AGENDA No. 3: Approval of new projects.

Approval of new projects (11 Nos.)

Sub Component I. Development, demonstration & adoption of technologies for the management of pest & diseases affected coconut gardens.

Project No 1

The main objective of the project is the large-scale production of quality coconut seedlings, 30,000 seedlings per annum, which are root(wilt) resistant/tolerant, from apparently healthy palms grown in the disease endemic hotspot areas. The project will be implemented by the CPCRI, Regional Station, RS, Kayamkulam at a total cost of Rs47.597 Lakhs

The committee after detailed discussions approved the project subject to the following conditions: -

- a) The scheme shall be implemented in close collaboration with the Department of Agriculture, Govt. of Kerala. Suitable monitoring team shall be nominated.*
- b) The project cost shall be scaled down in consultation with Coconut Development Board; the revised project shall be re-submitted to the Chairman Coconut Development Board, for approval (TA will scale down to Twenty Five Thousand and no fuel and other conveyance will be provided)*

Project No 2

The major objective of the project is to control the outbreak of Eriophyid Mite on coconut in Konkan region of Maharashtra by adopting spraying/root feeding of botanicals like Azadiractin 5%/tree for three time treatments. Submitted by Director of Horticulture, Govt. of Maharashtra - at a total cost of Rs 188.90 Lakhs

The committee approved the project in principal and decided to extent financial assistance according to the norms approved by the Govt. of India for adopting remedial measures as per the recommendations of the National Steering Committee on Mite. As the problem persists in all the coconut growing states, the committee resolved that the assistance for the control of e.mite shall be extended in a uniform pattern to all the states including Maharashtra, Andhra and Orissa. The committee also resolved that the implementation of the programme is to be monitored at the statelevel and field level jointly by CDB, CPCRI, SAUs and the Department of Agriculture/Horticulture. The committee approved the provision of Rs. 8/-

per Palm in accordance with the sanction of the Ministry of Agriculture. The committee approved Rs. 25,92,800/- for treating 3,24,100 Palms in Thane, Raighad, Rethnagiri, Sindurg.

Project No 3

Management of Eriophyid Mite Infestation in six major coconut growing districts of Andhra Pradesh in a contiguous blocks of 40,000 ha to be undertaken by the Department of Horticulture, Government of Andhra Pradesh - at a total cost of Rs. 43.80 crores with a financial assistance of Rs.10.95 crores from the CDB.

Sri. Anil Punetha, Commissioner of Horticulture, Andhra Pradesh presented the project and impressed upon the need for the immediate intervention of the Board for the management of the outbreak of the coconut mite in the state.

The committee approved the project in principle and decided to extend a financial assistance @ Rs. 8/- Palm for adopting control measures in accordance with the sanction of the Ministry of Agriculture. In view of the paucity of fund the committee approved an immediate relief of Rs. 50,00,000 to the state for adopting the control measures of coconut mite, subject to the following conditions: -

- a. The number of Palms to be treated has to be ascertained correctly and procedure of treatment has to be finalized in collaboration with CDB/the Agriculture University A.P. & CPCRI.*

Further enhancement of the assistance will be considered after the full utilization of the first release, review of the result and subject to the enhancement of the current budgetary allocation by GOI

Project No.4

The main objective of the Project is to Control of Eriophyid Mite on Coconut in an area of 29,000 ha in Orissa at a total cost of Rs. 89.277 crores by adopting proper control measures with a financial assistance of Rs.35.30 crores from CDB, to be implemented by Director of Horticulture, Govt. of Orissa -

The committee approved the project in principle and decided to extend a financial assistance @ Rs. 8/- Palm for adopting control measures in accordance with the sanction of the Ministry of Agriculture. In view of the paucity of fund the committee approved an immediate relief of Rs. 50,00,000 to the state for adopting the control measures of coconut mite, subject to the following conditions: -

- b. The number of Palms to be treated has to be ascertained correctly and procedure of treatment has to be finalized in collaboration with CDB/OAUT & CPCRI(ICAR).*

Further enhancement of the assistance will be considered after the full utilization of the first release, review of the result and subject to the enhancement of the current budgetary allocation by GOI

Project No 5

The main objective of the Project is to Demonstrate the adoption of organic farming in coconut for the control of major pest and diseases like; coconut mite, Red-palm weevil, Rhinoceros beetle etc. The project is to be implemented by Amrita Viswavidyalaya, Coimbatore for an amount of 11.16 lakh- at a total cost of Rs.11.167 lakhs

The committee considered and commended the holistic approach of the management of pests and diseases in coconut particularly coconut mite. However it was noted that the demonstration has already been carried out and there is no provision for reimbursing the cost under the existing norms of TMOC. Hence the *committee decided to extend assistance if the institute come forward with fresh proposals for demonstrating the technology in new areas.*

Project No 6

Project proposal entitled "Studies on the coconut based cropping system to improve farm productivity, Director of Research, UAS, Bangalore for an amount of Rs. 5.15 lakh

Since a proposal does not come under the purview of TMOC the scheme was not approved.

Sub Component II. Development, Acquisition & Training and Adoption of technologies for processing & product diversification

Project No 7

Modernization of coconut processing by introduction of Copra Driers-by Commissioner of Agriculture, Government of Tamil Nadu.-at a total cost of Rs. 27.00Lakhs.

The committee approved the implementation of 100 Numbers of Copra Driers in the state of Tamil-Nadu through the Dept. of Agri. Govt. of T.N. at a total cost of Rs. 6.75 Lakhs as Board's share which is 25% of the project cost or Rs. 10,000/ Per unit whichever is less.

Sub Component III. Market Research and Promotion

Project No 8

Proposal for Participation in India International Trade Fair-2004, Coconut Development Board, Kochi - at a total cost of Rs. 35.00 Lakhs

The committee approved the participation of CDB in IITF- 2004, at a total project cost of Rs. 7,00,000/- only.

List of participants, type of new products to be displayed will be submitted to Chairman for information. Tentative expenditure break-up will be put up to Chairman for approval.

Project No 9

Modernization of infrastructure facilities for quality standards of various coconut products- Cochin Oils Merchants Association (COMA) - at a total cost of Rs. 29.50 Lakhs

The Committee approved the project proposal in principal and sanctioned an assistance of Rs. 5,00,000/- or 50 per cent of the cost, whichever is less on reimbursement basis.

Project No 10

Establishment of Kiosk -by M/s. Kejriwal Enterprises Ltd., New Delhi -

The committee did not approve the proposal.

Project No 11

Participation in ITPO New Delhi 2004 - by M/s. Kejriwal Enterprises Ltd., New Delhi

The committee did not approve the proposal.

AGENDA No. 4: Other Items

1) Ratification of action taken on the project “Setting up of Copra Driers as Demonstration Units” - submitted by KERAFED

The committee observed that the report of the Secretary Govt. of Kerala shall be submitted to the PAC for consideration.

Meeting concluded by 8.00 PM with vote of thanks to chair.

(M. Thomas Mathew)
Chief Coconut Development officer &
Member Secretary PAC

(Annexure)

**LIST OF PARTICIPANTS FOR THE 13TH PAC MEETING HELD ON 26.10.2004 AT
NEWDELHI.**

No	Name and Address	
1	Dr. M.L.Choudhary Horticulture Commissioner & Chairman, Coconut Development Board Department of Agriculture & Cooperation, Krishi Bhavan, New Delhi -110 001	FAX 011 23384978
2	Dr. K.L. Chadha (Co-opted Member) House No.7281, Sector – B Pocket – X, Vasant Kunj, New Delhi – 110 070	Phone: 011 55438009(O) 011 26896529 (R) FAX : 011 26124702
3	Dr. G.R. Bhatia, Additional Agriculture Marketing Advisor	
4	Dr. Uma Raghunathan, Representing Assistant Director General (Plantation crops), Indian Council of Agriculture Research (ICAR), Krishi Bhavan, New Delhi – 110 001	
5	Dr. M.R. Sharma Principal Technical Advisor, Technical Services Department, NABARD, Plot No.C-24, G Block, P.B.No.8121, 7 th Floor, Badra-Kurla Complex Bandra (E), Bombay – 400 051	Ph : 022 26539102 022 26530061 022 26530127 : 022 24229668 (R) FAX: 022 26530091
6	Shri. Mathew C. Kunnumkal Principal Secretary Department of Agriculture Government of Kerala, Government Secretariat, Thiruvananthapuram	Phone: 0471 2333028 FAX 0471 2333115 (APC)
7	Smt. L. Santhakumari I A S Secretary to Government of Karnataka, Horticulture Department, Karnataka Government Secretariat, Multistoried building, IIrd Stage, Ivth Floor, Ambedker Veedhi, Bangalore.	Phone: 080 2260428 FAX : 080 2385687
8	Shri. Thomas Mathew Chief Coconut Development Officer Coconut Development Board Kochi	

9	Mr.L. Shivrama Reddy, Dy. Commissioner, Ministry of Agriculture, Krishi Bhavan, New Delhi	
10	Mr. D.R.K. Rao, Ministry of Agriculture, Krishi Bhavan, New Delhi	
11	Shri. Rajeev.P.George Deputy Director (Dev) Coconut Development Board Kochi	
12	Mr. G.R. Singh, Dy.Director, Coconut Development Board New Delhi.	
13	Mr.Anil Punetha, Commissioner Horticulture, Andhra Pradesh	
14	Dr. R.V. Nair, Scientist, CPCRI, Kayamkulam	

Proceedings of 14th PAC Meeting of TMOC held at Kochi on 9.02.2005

The Fourteenth meeting of Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held at Board Room of Coconut Development Board, HQ, Kochi on 9.2.2005 from 4.30 pm. Dr. M L Choudhary, Chairman Project Approval Committee and Hort. Commissioner Cum Chairman, Coconut Development Board, Ministry of Agriculture, Govt of India chaired the meeting. Dr K.L. Chadha, National Professor (Retd.) also attended the meeting. The list of Members who attended the meeting is annexed.

The following agenda items were taken up for consideration.

AGENDA No. 1: Confirmation of the proceedings of 13th Project Approval Committee Meeting.

The Committee unanimously approved the proceedings of the 13th PAC Meeting.

AGENDA No. 2: Action taken report of the 13th PAC Meeting

The committee perused the action taken report of 13th PAC Meeting.

AGENDA No. 3: Presentation of Report of the Committee (with Dr G L Kaul as Chairman) constituted for the Mid-term Appraisal of “Adoption of Technologies for Processing and Product Diversification”

The Committee discussed the report in detail and approved its implementation with immediate effect with the following amendments:

Item no 1 to 14 no changes

Item no. 15

Recommendation:

Fund release shall be based on the actual achievements of pre-fixed milestones for each project. Private entrepreneurs shall inform the Board the details of machinery purchase with cost and brand for information. **In all cases, purchases shall be made only after the approval of the project by PAC. Purchases (excluding land) made prior to that need not be taken for subsidy calculation. All machineries should satisfy ISI standards.**

Amended as:

*Fund release(s) shall be based on the actual pre-fixed milestones for each project. Entrepreneurs shall inform the Board the details of machinery proposed to be purchased under the project together with its cost and brand name, etc. **PAC shall consider only those works, which were undertaken, and machineries purchased after the date of submission of project to the Board. All machineries should preferably satisfy ISI standards. However, in the cases of fabricated machineries, the materials used for such fabrication shall be of ISI specification/standard.***

Item no. 16

Recommendation:

For projects under co-operative sector, a committee shall be constituted consisting of representative of State Small-scale industries, Board and the concerned unit for the purchase of machineries and its installation. Similarly beneficiary society shall nominate the Chief Coconut Development Officer or his representative as one of the member of Director Board of the society. For ensuring professional management and technical supervision of the processing units, Cooperative Societies shall engage qualified technical experts.

Ammended as:

For projects under co-operative sector, a committee shall be constituted consisting of representative of State Small-Scale Industries, Coconut Development Board, any competent local body and a representative of the unit to monitor/supervise the purchase of machineries and its installation. Strength of the Committee may be decided by the Society. Similarly beneficiary society shall co-opt Chief Coconut Development Officer, Coconut Development Board or his representative as one of the technical member of the Director Board of the Society. Further for ensuring professional management and technical supervision of the processing units, Cooperative Societies shall engage qualified technical experts.

Item no. 19

Recommendation:

All the projects having a capital investment of **Rs.50 Lakhs** and above should ensure professional management and technical supervision of the units.

Ammended as:

All the projects having a capital investment of **Rs.1.00 crore** and above shall engage qualified technical experts to ensure professional management and technical supervision of the units.

Item no. 22

Recommendation:

All Units should submit annual statement of accounts to the Board regularly. Those units with a total project cost **Rs.50 Lakhs** and above should submit annual statement of accounts certified by CA

Amended as:

All Units should submit annual statement of accounts to the Board on a regular basis. Those units with a total project cost **Rs.1.00 crore** and above should submit annual statement of accounts certified by a CA

(Full text of the approved report is annexed)

AGENDA No. 4: Report of Dr. Chadha Committee Constituted to review the programme “Containing root (wilt) disease in border districts in Kerala.” (Full text of the report is annexed)

The Committee approved the report and agreed rescheduling of project period from 5 years to 4 years including the reallocation of fund.

AGENDA No. 5: Approval of new projects.

Sub Component I. Development, demonstration & adoption of technologies for the management of pest & diseases affected coconut gardens.

Project No 1

Integrated Control of Pest and Diseases of Coconut in Karnataka- Department of Horticulture, Lalbagh, Bangalore -4 - at a total cost of Rs.1760 lakhs

The objective of the project is to create awareness among farmers about plant protection measures and to control pests and diseases of coconut by an integrated approach. The Committee observed that Board has already released Rs.12.00 crore to the State for management of mite and other pests and Rs.74.00 lakhs for control of leaf eating caterpillar. The Committee opined that the Govt. may be advised to take up the programme under the ongoing programme viz.” Integrated Farming in Coconut Holdings for Productivity Improvement – Laying out Demonstration Plots” of the Board. Hence the project was not approved.

Project No 2

Management of eriophyid mite in Karnataka- Department of Horticulture, Lalbagh, Bangalore -4 - at a total cost of Rs.1946.00 lakhs

The objective of the project is to create awareness about mite through awareness programmes, integrated nutrition management to increase the resistance power within the palms against mite and management of mite using natural pesticides and plant products. The Committee observed that Board has already released Rs.12.00 crore to the State for management of mite and other pests and Rs.74.00 lakhs for control of leaf eating caterpillar. The Committee opined that the State Govt. may be advised to take up the programme under the ongoing programme viz.” Integrated Farming in Coconut Holdings for Productivity Improvement – Laying out Demonstration Plots” of the Board. . Hence the project was not approved.

Project No 3

Control of pests and diseases and rejuvenation of coconut palms in Chikkanayakanahalli Taluk of Thumkur District, Karnataka- Department of Horticulture, Lalbagh, Bangalore – 4- at a total cost of Rs.673.00 lakhs

The Committee decided that the proposal should be taken up under the 'Laying out Demonstration Plots' programme under the ongoing programme of the Board. Hence the project was not approved.

Project No 4

Control of pests and diseases and rejuvenation of coconut palms in Turuvekere Taluk of Thumkur District, Karnataka- Department of Horticulture, Lalbagh, Bangalore -4- at a total cost of Rs.663 lakhs

The Committee suggested that the proposal may be taken up for consideration under the "Laying out Demonstration Plot" programme coming under the ongoing programme of the Board. Hence the project was not approved.

However, in view of the severe incidence of pest and disease problem in the state of Karnataka resulting in the reduction of yield of coconut in the state, the Committee suggested to allot additional target of 400 ha under the ongoing scheme, "Integrated farming in coconut holdings for productivity improvement", sub scheme, "Laying out demonstration plot", in addition to the target already allotted to the State Govt. during the year 2004-05.

Project No 5

Improving productivity and income from Coconut through recommended technologies and diversified products in the disease affected area of W.B. – A farmer participatory demonstration and training programme- Bidhan Chandra Krishi Viswa Vidyalaya, P.O. Krishiviswavidyalaya, Dt. Nadia, WB- 741 252- at a total cost of Rs.12.232 lakhs

The Committee approved the project. It was decided to delete the item " taxi hiring charges" from the proposal. The Committee also suggested that mite management shall be included under plant protection component and training programme should include farm level processing aspects– modern copra dryers, production of coconut chips, coconut vinegar etc. Accordingly BCKV may be advised to submit a revised project proposal and activity chart with milestones for release of fund.

Sub Component II. Development, Acquisition & Training and Adoption of technologies for processing & product diversification

Project No 1

Project for manufacturing of (Preserved and Packed) Tender Coconut Water- M/s. Fortune Beverages Private Limited, Gayatri Bhuvan, 7-New Meghani Nagar, Sahakar Main Road, Rajkot, Gujarat- at a total cost of Rs.89.46 Lakhs

The Committee approved the project with financial assistance of Rs, 18.85 lakhs or 25% of the eligible project cost excluding contingencies and working capital margin, whichever is less.

Project No 2

Project for establishment of an Integrated coconut processing unit at Kattipara, Poonoor Desam , Kozhikode-by Kera Products kattippara , Kozhikode- at a total cost of Rs.75 Lakhs

The Committee observed that source of technology for production of oil through aqueous process is not disclosed in the project proposal. It was decided to invite the party for presentation in the next PAC.

Project No 3

Project for establishment of a coconut products unit in Paingottor Grama Panchayat, Ernakulam District"-by Shri.K.V.George, Paingottor - at a total cost of Rs.14 Lakhs

The Committee differed the project.

Project No 4

Establishment of an integrated coconut processing unit at Kuttikad, Mukundapuram Taluk, Thrissur District-by Kuttikad Farmers Service Co-operative Bank Ltd- at a total cost of Rs.154 Lakhs

The Committee observed that source of technology for production of oil from coconut milk is not disclosed in the project. This may be called for .The project was deferred.

Project No 5

Proposal for establishment of an Integrated Coconut processing unit at Kanjikode-by Natural Agro Food Products Palakkad –at a total cost of Rs.47.5 lakhs

The project was submitted initially during the year 2003-04 and the project could not be submitted to PAC due the non-receipt some modifications suggested in the preliminary scrutiny. However the modified project was submitted in the 10th PAC meeting and as decided by the PAC, it was kept pending for consideration after the midterm appraisal.

The Committee approved the proposal in principle. The committee suggested that as a first phase of the project, production of Desiccated coconut and shell charcoal shall be taken up and production of coconut chips and vinegar shall be taken up as the 2nd phase of the project.. Accordingly revised proposal may be submitted to Chairman, CDB for approval

Project No 6

Project to set up Coconut Processing unit for production of coconut oil, Filtered coconut oil and coconut vinegar from matured coconut water at Mookkannur, Angamaly-by M/S Infarm Kera Complex, Mookkannur, Ernakulam-at a total cost of Rs.75 lakhs

The Committee deferred the project. Source of technology for production of virgin coconut oil shall be ascertained from the unit. The promoter shall present the project in the next PAC

Project No 7

Project to set up a Copra processing unit in Ayiroor Grama Panachayath , Pathanamthitta Dt.-by Mr.T.T.Chерian, Thiruvalla- at a total cost of Rs.4.65 lakhs

The Committee approved the project limiting the subsidy to modern copra dryer ie. @25% of the cost of drier.

Project No 8

Establishing a coconut processing unit for production of edible grade copra, Filtered coconut oil and coconut vinegar-by M/s.Essen Trading Company, Kallor Thekumuri, Annamada, Thrissur-671 541-at a total cost of Rs.141.5 lakhs

The Committee deferred the project

AGENDA No. : Other Items

1) Request for additional fund towards payment of revised rate to SRF as per ICAR norms for the project, Large scale production of antiserum for identification of disease free elite parental palms of coconut and certification of quality seedlings'-CPCRI, RS, Kayamkulam

The committee approved the request for additional fund of Rs.2,42,520/- for the payment of salary of SRF at the revised rate as per ICAR norms.

2. Request for additional fund towards payment of revised rate to SRF as per ICAR norms for the project, Increasing productivity and income in coconut through recommended technologies and diversified products in the root (wilt) affected area-A farmer participatory demonstration and training programme -CPCRI, RS, Kayamkulam

The committee approved the request for additional fund of Rs.87,000/- for the payment of salary of SRF at the revised rate as per ICAR norms.

3. Revised Project entitled, “Production of root (wilt) resistant / tolerant coconut seedlings for root (wilt) disease prevalent tracts” submitted by the CPCRI, RS, Kayamkulam at a total cost of Rs.44,95,000/-

The Committee approved the project. However TA shall be limited to Rs. 1 lakh only (@Rs.25,000 per year for 4 years) and Rs.70,000/-only sanctioned for hiring lorry for transportation of nuts.

4. Change of designation of JRF to Field Assistant – CPCRI

The committee approved the proposal for changing designation of JRF to Field Assistant (with out change in qualification and salary structure), since ICAR have only Field Assistant post and not JRF.

5. Project titled,” Exploitation of Genetic Superiority for the alleviation of Root (Wilt) Disease of Coconut and Yield Enhancement-KAU,RARS,Kumarakom at a total cost of Rs 49.75 lakhs

The Committee did not approve the conditions put forth by KAU and did not approve the project.

6. Amending action taken on the project “Setting up of Copra Driers as Demonstration Units” submitted by Kerafed

The Committee did not approve the proposed amendments. However it was decided that the detailed project with full background material may be submitted to Chairman for taking a suitable decision in the matter.

7. Participation in Aahar,2005 Exhibition-CDB

The Committee suggested that State Governments may also be invited to participate in the Exhibition. The proposal was approved at a total cost of Rs.6.00 lakhs

8. Participation in Prithvi, 2005 International Exhibition Trivandrum by -CDB

The Committee approved the proposal at a total cost of Rs 4.3 lakhs.

Meeting came to a close at 8-30 PM with a vote of thanks to the chair.

Chief Coconut Development officer
(Member Secretary PAC)

(Annexure)

LIST OF PARTICIPANTS FOR THE 14TH PAC MEETING HELD ON 9.02.2005 AT KOCHI.

No	Name and Address	
1	Dr. M.L.Choudhary Horticulture Commissioner & Chairman, Coconut Development Board Department of Agriculture & Cooperation, Krishi Bhavan, New Delhi -110 001	FAX 011 23384978
2	Dr. K.L. Chadha House No.7281, Sector – B Pocket – X, Vasant Kunj, New Delhi – 110 070	Phone: 011 55438009(O) 011 26896529 (R) FAX : 011 26124702
3	Dr. A. S. Bawa, Director Defence Food Research Laboratory, Siddarthanagar,Mysore-570 011	0821 2473949 FAX 0821 2473468
4	Smt. L. Santhakumari I A S Secretary to Government of Karnataka, Horticulture Department, Karnataka Government Secretariat, Multistoried building, IIrd Stage, Ivth Floor, Ambedker Veedhi, Bangalore.	Phone: 080 2260428 FAX : 080 2385687
5	Shri. Thomas Mathew Chief Coconut Development Officer Coconut Development Board Kochi	
8	Shri. V.K.Sankaran Secretary Coconut Development Board, Kochi	
9	Shri. Rajeev.P.George Deputy Director (Dev) Coconut Development Board,Kochi	
10	Dr. Remany Gopalakrishnan Deputy Director (Dev) Coconut Development Board,Kochi	
11	Shri.A.N.Muraleedharan Achari Finance Officer, Coconut Development Board,Kochi	
12	Shri. Sreekumar Poduval Jr. Processing Engineer Technology Development Centre Coconut Development Board,Vazhakulam, Aluva	
13	Shri. R. Jnanadevan Assistant Director, Coconut Development Board, Kochi	
14	Shri.T.B.Nandakumar Assistant Director, Coconut Development Board, Kochi	

**Proceedings of 15th PAC Meeting of Technology Mission on Coconut held at Kochi on
12.03.2005**

The Fifteenth meeting of Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held at Board Room of Coconut Development Board, HQ, Kochi on 12.03.2005 from 3.00 pm. Smt. Minnie Mathew IAS, Chairman, Coconut Development Board and Project Approval Committee (PAC) chaired the meeting .

The following agenda items were taken up for consideration. The list of Members who attended the meeting is annexed.

AGENDA No. 1: Confirmation of the proceedings of 14th Project Approval Committee Meeting.

The Committee approved the proceedings of the 14th PAC Meeting.

Referring to recommendation No.14 of the Mid Term Appraisal committee that assistance should be restricted to only diversified coconut products other than coconut oil. PAC held on 12-03-05 clarified that assistance under TMOC shall be limited to value addition made to the traditional coconut products or new inventions. Production of virgin coconut oil through the traditional methods, Shell Powder through pulverizer, etc are traditional methods and hence are not qualified for the assistance under the TMOC. Any refinement or value addition to the traditional area including quality certification, adoption of modern techniques like Micro-filtering and branding could be considered as value addition in case of coconut oil and virgin coconut oil. However, a project for the manufacture of coconut oil alone need not be considered under TMOC.

AGENDA No. 2: Action taken report of the 14th PAC Meeting

The committee perused the action taken report of 14th PAC Meeting.

AGENDA No. 3: Approval of new project proposals

Project No 1

Setting up of a demonstration and training centre on the coconut processing in Konkan Region of Maharashtra.- Konkan Krishi Vidyapeeth, Dapoli, Ratnagiri Dt., Maharashtra at a total cost of Rs.22,23,188.00

The Principal Investigator presented the project before the Committee. The Committee observed that the cost of the building at Rs.7.00 lakhs constituted 32 per cent of the total project cost and was therefore unacceptable. The committee also noted that providing training for the manufacture of a large number of products was not sustainable and would not be helpful in promoting entrepreneurs among the potential processors and hence prioritization shall be done as per the marketability and viability of the products. Training for the production of quality copra including edible copra, coconut vinegar, shell charcoal and coconut chips shall be taken up in the first instance. Marketing strategies shall also be incorporated in the scheme. The cost

on building should be reduced by going for low cost technology and construction of factory shed rather than a double storied building. The committee also observed that the provision for TA in the project was high and should be reduced. The break up of the provision for travel also be given.

The Committee approved the project in principle and requested the Principal Investigator to revise the project on the above observations and submitted to the Chairman CDB & PAC for approval.

Project No 2

Increasing Productivity And Income From Coconut Through Integrated Disease Management Technologies In Basal Stem Rot Affected Area ” - a farmer participatory demonstration training programme.- Coconut Research Station, Tamil Nadu Agri. University, Veppankulam at a total cost of Rs.18,22,175.00

Dr.Karthikeyan, Principal Investigator presented the project before the Committee. The Committee observed that cost of demonstration of the technology is very high and the area proposed and number of farmers covered is too small to demonstrate the efficacy of the technology.

The Committee advised that a revised project be submitted incorporating the following:

- 1) More area and more number of farmers to be covered.
- 2) Making a provision for farmers' contribution in the project cost.
- 3) Use of chemicals shall be reduced.
- 4) LCD Projector shall be deleted.
- 5) Institutional charges shall be reduced from 15% to 10%

Project No 3

Production and characterization of coir pith based herbicide compost using, natural degrading organics like cow dung, vermin & fungus for coconut cultivation.- Regional research Laboratory , Bhubaneswar at a total cost of Rs. 21, 05, 780/-

The Committee observed that development of technologies for production of coir pith compost does not come under the purview of Technology Mission on Coconut. Besides it is a duplication of efforts as technologies for composting coir pith using fungus has already been developed by Coir Board. Hence the project was rejected.

Project No 4

Proposal for manufacturing coconut shell powder - M/s. A.P Agro Industries, Kilakkal Thottam, Eripalayam, Thekkalur-641 654,Avinashi at a total cost of Rs. 36.35 lakhs

The promoter presented the project before the Committee. The Committee approved the project in principle. However the project should be recast in a professional and self-explanatory manner with the help of a Consultant and should cover all details including marketing plan. The revised project should be resubmitted to Chairman CDB & PAC for approval.

Project No 5

Proposal for reimbursing the expenditure incurred for quality accreditation certificate of I S O 9004 : 2000 and H A C C P - M/s. Sakthi Coco products , Pollachi, Coimbathore at a total cost of Rs. 84,000/-

The Committee approved the project for reimbursement of 50% of the expenditure incurred for obtaining quality accreditation certificates I S O 9004 : 2000 and H A C C P.

Project No 6

Project for setting up of a coconut vinegar unit at Monippally in Kottayam district - M/s. M/s.Jai Matha Estate, Monippally P.O., Kottayam District at a total cost of Rs. 37.86 lakhs

The promoter presented the project before the Committee. He stated that he had acquired an imported technology for production of refined coconut vinegar for the export market. The Committee observed that funding assistance could not be provided for the technology reported to be imported for production of refined coconut vinegar as the promoter was not in a position to disclose any details about the imported technology. The promoter asserted that he has adopted technology for vinegar production from the CDB for domestic market and hence requested that eligible subsidy may be granted for the same. Hence the PAC approved to limit the assistance for the technology that has been transferred by the Board. Revised project shall be submitted to Chairman CDB & PAC for approval.

Project No 7

Developing appropriate technology for community level production of charcoal and activated carbon from coconut stem wood and shell for industrial use - Kerala Forest Research Institute, Peechi at a total cost of Rs. 29.716 lakhs

Dr.T.K.Dhamodaran, Scientist (Wood science and Technology), KFRI presented the project. In his presentation, the social and economic relevance of the project has been highlighted. By developing an appropriate low cost technology for community level production of charcoal and activated carbon from coconut stem wood, which is available in plenty in all coconut growing states, particularly in Kerala, consequent on large scale cutting and removal of root(wilt) advanced palms, there would be value additions and generation of rural employment.

The Committee after careful examination, approved the project. The Committee opined that more focus shall be on carbonization and activation of coconut stem rather than coconut shell. On this observation the Principal investigator clarified that the model to be developed is for the processing of wood only. However in the absence of adequate raw material the same could be used for making shell charcoal. Institutional charges shall be limited to 10% of the project cost.

Project No 8

Study on “Coconut –Copra complex in Karnataka and Andhra Pradesh, functioning and Inter – Market Price Transmission systems.- Indian Institute of management, Bangalore at a total cost of Rs.10,00,000/-

In the absence of the Principal investigator, the project was presented by Chief Coconut Development Officer.

The Committee decided to request Indian Institute of Management to extend the study to Kerala also without any increase in the cost estimate. The committee authorized the Chairman, Coconut Development Board & PAC to approve the project if it was revised on the above lines.

Project No 9

Sponsoring of Indo-Pak Cricket series- Prasar Bharati(BCI), Hyderabad- by Coconut Development Board at a total cost of Rs.10,00,000/-

The Committee approved the project

Presentation of projects as per 14th PAC decision

While considering the new project proposals in the 14th PAC Meeting held on 9.02.2005 at Kochi, the Committee had decided that the promoters of following two project proposals may be invited for making a presentation before the next PAC. Accordingly the promoters were invited.

1. Project for establishment of an Integrated coconut processing unit at Kattipara, Poonoor Desam , Kozhikode-by Kera Products kattippara , Kozhikode- at a total cost of Rs.75 Lakhs

The promoter of the project did not turn up for the presentation. The project was not discussed and hence deferred.

2. Project to set up Coconut processing unit for production of coconut oil, Filtered coconut oil and coconut vinegar from matured coconut water at Mookkannur, Angamaly-by M/S Infarm Kera Complex, Mookkannur, Ernakulam

The promoter presented the project before the PAC. The PAC after careful examination approved the proposal for eligible funding assistance for filtered coconut oil and coconut vinegar. The Committee observed that in the absence of a viable technology, the cost of establishing the virgin coconut oil unit shall be included in the second phase of the project. The second phase of the project could be considered as soon as the technology for the manufacture of VCO is standardized by any reputed agency.

AGENDA No. 4 : Other Items

1. Pilot Project for establishing Demonstration cum Training center for Coconut products through Coconut Development Board by the Deptt. of Horticulture, Govt. of Karnataka – Extension of project period

The Committee approved the extension of project period for 2 more years and the project is rescheduled from 31.3.2003 to 31.3.2006

2. Second proposal of “Project for Management of Eriophyid Mite Infestation in Andhra Pradesh” – Dept. of Horticulture, Govt. of Andhra Pradesh

The Committee observed that the requirement of funding assistance by the State Govt. for mite control was very high and could not be supported. However, as a very special case an amount of Rs.110.00 lakhs from the unspent balance remaining with the State Govt. under ‘Integrated Farming in Coconut Holding for Productivity Improvement’ could be utilised for this purpose. The Committee expressed concern about the high investment for plant protection alone and hence suggested that an internal study may be conducted on the impact of the programme after completing the treatment.

3. Request for additional fund for Electricity charges under ‘Recurring Expenses’ for Project “Establishment of Biological Control Lab at Regional Office, CDB, Bangalore” and “Modernisation of Parasite Breeding Lab at , Mandya

The Committee approved the proposal for payment of electricity charges under the project @Rs.6,000/- per month for Biological Control Laboratory at Regional Office, Bangalore and @Rs.3000/- per month for Parasite Breeding Laboratory at DSP Farm, Mandya during the project period.

General Recommendation

The Committee decided that the cost of land shall be limited to 10% of the project cost instead of 20% so far followed for calculation of eligible subsidy for the bankable projects coming under the subcomponent, ‘Adoption of technologies for processing and product diversification’. This condition will be applicable for sanction of eligible subsidy from the date of approval of this proceeding.

Meeting came to a close at 7.30 PM.

Chief Coconut Development officer
(Member Secretary PAC)

(Annexure)

**NAME AND ADDRESS OF PARTICIPANTS FOR THE 15TH PAC MEETING HELD ON
12.03.2005 AT KOCHI.**

No	Name and Address	
1	Smt. Minnie Mathew IAS Chairman, Coconut Development Board Ministry of Agriculture, Govt. of India, Kochi	
2	Dr.K.V.Ramana Assistant Director General (Plantation crops), Indian Council of Agriculture Research (ICAR), Krishi Bhavan, New Delhi – 110 001	
3	Smt. L. Santhakumari I A S Secretary to Government of Karnataka, Horticulture Department, Karnataka Government Secretariat, Multistoried building, IIIrd Stage, Ivth Floor, Ambedker Veedhi, Bangalore.	Phone: 080 2260428 FAX : 080 2385687
4	Shri. Mathew C. Kunnumkal Principal Secretary Department of Agriculture, Government of Kerala, Government Secretariat, Thiruvananthapuram	
5	Shri.Joseph S Pynadath General Manager, NABARD, Plot No.C-24, G Block, P.B.No.8121, 7th Floor, Badra-Kurla Complex Bandra (E), Bombay – 400 051	
6	Dr K.V. Ahmed Bavappa (Director (Retd), C PCRI, Kasaragod) FAO Consultant, Karooth Villa, Maryamkunnu, KappurP.O.Kumaranellur Palakkad – 679 552	
7	Shri. V. T. Markose, {CCDO (Retd.) CDB} C/35/1248, Vastuvelil St.Martins road Palarivattom, Kochi-682 025	
8	Shri. Thomas Mathew Chief Coconut Development Officer Coconut Development Board, Kochi	
9	Shri. V.K.Sankaran Secretary Coconut Development Board, Kochi	
10	Shri. Rajeev.P.George Deputy Director (Dev) Coconut Development Board, Kochi	

11	Dr. Remany Gopalakrishnan Deputy Director (Dev) Coconut Development Board, Kochi	
12	Shri. A.N. Muraleedharan Achari Finance Officer, Coconut Development Board, Kochi	
13	Shri. Sreekumar Poduval Jr. Processing Engineer Technology Development Centre Coconut Development Board, Vazhakulam, Aluva	
14	Shri. R. Jnanadevan Assistant Director Coconut Development Board, Kochi	
15	Shri. P. Balachandran Nair, Marketing Officer Coconut Development Board, Kochi	
16	Shri. V.G. Chandrasekharan, Statistical Officer Coconut Development Board, Kochi	

**Proceedings of 16th PAC Meeting of Technology Mission on Coconut held at Kochi on
27.06.2005**

The Sixteenth meeting of Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held at Board Room of Coconut Development Board, HQ, Kochi on 27.06.2005 from 3.00 pm. Smt.Minnie Mathew IAS, Chairman, Coconut Development Board and Chairman, Project Approval Committee (PAC) chaired the meeting. Dr. K.L. Chadha attended the meeting as an expert member. The list of Members who attended the meeting is annexed.

The following agenda items were taken up for consideration.

AGENDA No. 1: Confirmation of the proceedings of 15th Project Approval Committee Meeting.

The Committee approved the proceedings of the 15th PAC Meeting.

AGENDA No. 2: Action taken report of the 15th PAC Meeting

The committee perused the action taken report of 15th PAC Meeting and made the following decisions:

1. Reasonable time may be allotted for revision of projects as per decision of PAC and those projects, which are not submitted within the stipulated period, shall be dropped.
2. While reviewing the project for 'Setting up of a demonstration and training Centre on coconut processing in Konkan Region of Maharashtra' - by Konkan Krishi Vidyapeeth, Dapoli, Ratnagiri Dt., Maharashtra, the Committee suggested that whenever such projects are sanctioned, the scope for absorbability of trainees in the trade shall also be considered.
3. The Project for manufacturing coconut shell powder by M/s. A.P Agro Industries, Kilakkal Thottam, Avinashi shall be dropped, as the revised project is not yet submitted. The same may be considered afresh if submitted later.
4. The Project for establishment of an Integrated coconut processing unit at Kattipara, Poonoor Desam, Kozhikode by M/s.Kera Products, Kattippara , Kozhikode shall be dropped as the promoter has not responded.
5. The Committee observed that the revised project for 'Setting up Coconut processing unit for production of coconut oil, Filtered coconut oil and coconut vinegar from matured coconut water at Mookkannur, by INFARM has not been submitted through the bank. A time limit should be given for submission of the same.

General Recommendations

The Chairman CDB informed the committee that during the year, an amount of Rs.239,26,678/- only is left under the TMOC, whereas an amount of Rs.461,85,700/- is required to meet the committed expenditure for the current year. After detailed discussion, the following decisions were taken to streamline further funding.

1. Since sufficient funds have already been given to the State Govts. for the management of eriophyid mite under the ongoing programme of the Board as well as TMOC, projects for control of eriophyid mite need not be supported further under Technology Mission on Coconut. Further the Board had decided that an impact study on the programmes implemented so far for management of mite should be done. Action should be initiated to get this study completed immediately.
2. The Committee also decided to organize a brainstorming session to identify the gaps in the research activity and evolve strategy to address the critical gaps. The brainstorming session should have the participation of CPCRI, various Agricultural Universities, Research organizations and State Departments of Agriculture.
3. The committee decided to fund only value addition and market promotion for the time being, due to shortage of funds. Other proposals will be taken up after enhancement of the budgetary allocation for Coconut Development Board during the year 2005-06.
4. The salient findings of the completed projects should be published in 'Indian Coconut Journal' and should also be presented to PAC. A book on the projects completed under different sub components of TMOC, showing the work done so far should be published as a special Publication.
5. The Committee also decided to constitute an Internal Committee to review and advise the PAC to fix the maximum limit of assistance that could be paid to a single entrepreneur as subsidy from TMOC.
6. Whenever new projects are received from Institutions/Agencies, a brief account of statement of the subsidy that was already availed by the Institution under TMOC or from any other sources shall be submitted and presented before the PAC along with the new project proposal.

AGENDA No. 3: Approval of new project proposals

Project No 1- Main project

Studies on the management of coconut eriophyid mite in Andhra- Dr. A. Sujatha, Principal Scientist (Hort) & Head, Agricultural Research station, Ambajipeta – 533 214 (A.P) at a total cost of Rs.8.94 lakhs

The Committee did not approve the project considering the fact that PDDBC, Bangalore has not succeeded in establishing the efficacy of the antagonist after undertaking bio-efficacy studies for large-scale multiplication and commercialization of a bio agent identified by them at different locations in different states including AP, under a similar project sanctioned earlier under TMOC.

The committee observed that the proposal for conducting field study for validating the IPM package recommended by the National Steering Committee suitable for AP conditions, could be taken up for consideration after evaluating the large-scale adoption of technologies for the management of Eriophyid mite programme already implemented by the Dept. of Horticulture, Govt. of A.P under TMOC.

Project Number 1- Subproject

Strengthening of biocontrol lab and mass multiplication of bioagents for the management of coconut pests and diseases- Dr. A. Sujatha, Principal Scientist (Hort) & Head, Agricultural Research station, Ambajipeta – 533 214 (A.P) at a total cost of Rs.8.94 lakhs

The Committee after careful examination of the project observed that, repetitive research cannot be supported. Mass multiplication of parasites and distribution should be done on a commercial scale by a private agency. The major portion of the project cost is earmarked for development of infrastructure facilities, and hence need not be supported. Hence the project was not approved.

Project No 2

Proposal for a base line survey of selected coconut farms focused on a study to be conducted on the management of pests and diseases in coconut plants by adopting integral organic agricultural methods and scientific application of bio control measures as major tools- Jeevagram, Manickamangalam PO, Kalady, Ernakulam Dt., Pin – 683 574 -at a total cost of Rs.2.85 lakhs

The Committee did not approve the project as it is beyond the purview of TMOC.

Project No 3

Project for manufacturing of Charcoal and Pyroligneous acids from coconut shells - M/s. Apex Pyro Char Ltd., Survey No.17/2, Vakavadi Village, Kundapur Taluk, Udippi.)- Mr.Vivekandana Murthy Kundapura, #35/2, Vaishnavi, 3rd Cross, 13th Main, Mathikere Extension, Bangalore- 54, at a total cost of Rs.50.28 lakhs

The promoter presented the project before the Committee. The Committee after careful examination of the project observed that value addition proposed in the project is a new area, which has not been fully utilized. The Committee approved the project in principle and authorized Chairman, PAC to sanction the project after verification of the Bank Appraisal Report of the project. Since the availability of raw material and successful marketing of the products needed to be properly firmed up, the Committee decided to sanction one-third of the eligible subsidy as first installment and the balance fund shall be released only after the unit attains an economically viable production level.

Project No 4

Project Proposal for carrying out Market promotional activities – Adsorbent Carbons Ltd, Egmore, Chennai- Shri. D.N. Nieranjan Kani, Managing Director, Adsorbent Carbon Ltd., Egmore, Chennai - at a total cost of Rs.25.25 lakhs

The Committee decided that the maximum assistance that could be paid to an individual has to be re-looked, due to the shortage of funds. Accordingly PAC has decided to constitute a team to advise on this matter. The project was deferred.

Project No 5

Project proposal to Study the Marketing of Activated Carbon in Global Market- Shri. D.N. Nieranjan Kani, Managing Director, Adsorbent Carbon Ltd., Egmore, Chennai- at a total cost of Rs.25.54 lakhs

The Committee agreed with the views of the Internal Screening Committee that the Board may directly undertake such studies and interested firms can associate on payment of 50% of the project cost.

Project No 6

Project for Financial Assistance for copra dryers supplied to 7 Kudumbasree Units- Arikkulam Gramapanchayath, Kozhikode- at a total cost of Rs.1.42 lakhs

The Committee agreed with the observation of Internal Screening Committee that as per the approved project, subsidy is provided to individual beneficiaries only. Further, in this case the Grama Panchayat has already implemented the project without prior approval of the Board. Hence the Committee did not approve the proposal.

Project No 7

Project for Financial Assistance for obtaining Agmark Grading on Coconut Oil, establishment of Agmark approved In house lab and obtaining certification of ISO 9001-2000.- Shri. A.B. Abdul Nazar, Managing Director, M/s. Benzy Food & Beverages Pvt. Ltd., Ponnai, Malappuram at a total cost of Rs.3.80 lakhs

The Committee after careful examination decided that in view of the importance of maintaining quality specifications, the proposal for extending assistance for quality control lab to be considered as a part of the first project for establishing an integrated coconut processing unit sanctioned to the promoter with the 25% subsidy, without any additional funding.

Project No 8

Project for establishing a Coconut processing unit for production of Edible grade copra, Micro Filtered coconut oil and Coconut Vinegar.- M/s.Essen Trading Company, Kalloor Thekumuri, Annamada, Thrissur-671 541-at a total cost of Rs.145.60 lakhs

The Committee observed that the project cost was very high. The project envisaged the processing of 50,000 nuts on a daily basis. It was felt that the project needed to be scaled down to a realistic level after a proper assessment of availability of raw material. The committee decided to request the promoter to submit a revised project report and also indicate the break up of cost of production of micro filtered coconut oil, coconut vinegar and edible copra.

Project No 9

Project for establishing a Coconut processing unit for production of Coconut Vinegar, Micro filtered coconut oil, Chutney powder & other convenient food products.- M/s.Jyothi Food Products, Karikkadu, Thanneermukkom, Cherthala, Alappuzha-6 527-at a total cost of Rs.17.50 lakhs

The Committee observed that small units should be encouraged to be set up in village areas for employment generation. The Committee approved the project for production of coconut vinegar and micro filtered coconut oil in the first phase. The production of convenient foods like chutney powder etc. should be taken up as second phase of the project.

Project No 10

Demonstration and dissemination of recommended technologies for the establishment of an Integrated Coconut Processing Unit at B.C.K.V., West Bengal- Dr.Apurna Bandyopadhyay, Bidhan Chandra Krishi Viswavidyalaya Kalyani, West Bengal-

at a total cost of Rs.26.70 lakhs

The Committee observed the comments of Internal Screening Committee that demonstration of farm level processing using modern copra driers is one of the components of the project already sanctioned to BCKV under the TMOC subhead “Demonstration of Technologies for Management of Pests & Diseases” and as such the Committee did not approve the proposal.

AGENDA No. 4: Other Items

1. Revised project – Increasing productivity and income from coconut through Integrated Disease Management Technology in Basal from stem rot affected area - a farmer participatory demonstration-training programme – CRS, Veppankulam at a total cost of Rs.13.48 lakhs.

The Committee approved the project in principle. However it was observed that the 20 ha area for demonstration shall be in a hotspot location for the disease and it should be a compact area at one place. Hence revised project to be submitted to the Chairman for approval. A baseline survey to assess the present intensity of the disease, yield data etc. should be conducted in the selected area before undertaking the demonstration and the University shall meet the expenditure for the survey. The Committee authorized Chairman, PAC to approve the revised project.

2.Approval of proposal for ‘Farm level processing and value addition-Modernization of Coconut processing by the introduction of improved Copra Dryers/other processing machineries/equipments’ -for direct implementation by the Board under market promotional activities during the year 2005-06 at total cost of Rs.25 lakhs

The Committee approved the proposal. However the Committee suggested to conduct a review of the assistance already extended under the programme.

3.Approval of revised project for establishment of Quality Control Lab at CDB, Regional Office, Bangalore at a total cost of Rs.50 lakhs

The Committee approved the detailed project report at a total cost of Rs.50 lakhs.

4. Approval for constituting a Panel of Experts for the technical evaluation of project proposals under Technology Mission on Coconut.

The Committee after careful examination approved the proposal for constitution of a Panel of experts for the technical evaluation of project proposals under Technology Mission on Coconut. The committee also suggested to include the following members in the committee.

A) Production and Pest and Disease Management

- 1.Dr. G.L. Kaul, (Former Vice Chancellor, Assam Agricultural University)
2. Dr. M.K. Nair, Director (Retd.), CPCRI,
- 3.Dr. C.P.R Nair, Head, CPCRI,
4. Dr. Chandramohan, Principal Scientist, CPCRI, Regional Station, Kayamkulam.

B) Processing and Product Diversification, and C) Medical Sciences.

- 1.Dr. G.L. Kaul, (Former Vice Chancellor, Assam Agricultural University)
- 2.Dr. K. S. M. S. Raghava Rao, Head, Dept. of Food Engineering, CFTRI, Mysore
3. Dr. P. Ramanathan, Scientist (Retd.), CFTRI,

5. Approval for constituting a Project Monitoring Cell attached to Head Quarters for strengthening the monitoring of implementation of the projects under Technology Mission on Coconut -at a total cost of Rs.5.52 lakhs.

The Committee approved the proposal.

6.Approval of revised proposal for Market Promotion – M/s. Benzy Food & Beverages (P) Ltd. at a total cost of Rs.20 lakhs

The Committee approved the reimbursement of 50% of expenditure as per the original project approved by 12th PAC. Committee did not approve the deviation as proposed.

7. Revised Project,' Development and Demonstration of IDM Strategies for Coconut Diseased in the farmer's field of coastal Orissa'- Orissa University of Agriculture & Technology, Bhubaneswar-at a total cost of Rs.24.62 lakhs

The Committee agreed with the observation of Internal Screening Committee that OUAT may be requested to conduct a survey to identify and assess the intensity of disease by utilizing their own resources and furnish a report for consideration of PAC as decided in the 12th PAC meeting. The Committee did not approve the present project.

8. Proposal for additional fund requirement for undertaking the product/market promotional activities for the year 2005-06 – by Coconut Development Board, Kochi

The Committee approved the proposal for meeting the requirement of Rs.60 lakhs in addition to Rs.100 lakhs allotted under Technology Mission on coconut for undertaking the product/market promotional activities of the Coconut Development Board during the year 2005-06 from the available fund under TMOC.

Meeting came to a close at 7.30 PM.

Chief Coconut Development officer
(Member Secretary PAC)

(Annexure)

**NAME AND ADDRESS OF PARTICIPANTS FOR THE 16TH PAC MEETING HELD ON
27.06.2005 AT KOCHI.**

No	Name and Address
1	Smt. Minnie Mathew, IAS Chairman, Coconut Development Board Ministry of Agriculture, Govt. of India, Kochi
2	Shri. Mathew C. Kunnumkal, IAS Agriculture Production Commissioner Department of Agriculture, Government of Kerala, Government Secretariat, Thiruvananthapuram
3	Dr. K.L. Chadha House No.7281, Sector – B Pocket – X, Vasant Kunj, New Delhi – 110 070
4	Dr. KSMS Raghava Rao, Head, Dept. of Food Engineering, CFTRI, Mysore
5	Shri. Joseph S Pynadath General Manager, NABARD, Regional Office Palayam Thiruvananthapuram
6	Shri. M. Thomas Mathew, Chief Coconut Development Officer, Coconut Development Board, Kochi
7	Shri. V.K. Sankaran, Secretary, Coconut Development Board, Kochi
8	Shri. Rajeev.P.George, Deputy Director (Dev), Coconut Development Board, Kochi
9	Dr. Remyan Gopalakrishnan, Deputy Director (Dev),Coconut Development Board, Kochi
10	Shri. A.N. Muraleedharan Achari, Finance Officer, Coconut Development Board, Kochi
11	Shri. Sreekumar Poduval,Jr. Processing Engineer, Technology Development Center Coconut Development Board, Vazhakulam, Aluva
12	Shri. R. Jnanadevan, Assistant Director, Coconut Development Board, Kochi
13	Shri. V.G. Chandrasekharan, Statistical Officer, Coconut Development Board, Kochi
14	Shri. P. N. Joseph, Asst. Marketing Officer, Coconut Development Board, Kochi

**Proceedings of 17th Meeting of PAC of Technology Mission on Coconut held at Kochi on
28.09.2005**

The Seventeenth meeting of Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held at Board Room of Coconut Development Board, HQ, Kochi on 28.09.2005 at 9.00 AM under the chairmanship of Smt. Minnie Mathew IAS, Chairman, Coconut Development Board and Chairman, Project Approval Committee (PAC). Dr. K.L. Chadha attended the meeting as an expert member. The list of Members who attended the meeting is annexed.

The following agenda items were taken up for consideration.

AGENDA No. 1: Confirmation of the proceedings of 16th Project Approval Committee Meeting.

The Committee approved the proceedings of the 16th PAC Meeting.

AGENDA No. 2: Action taken report of the 16^h PAC Meeting

The committee perused the action taken report of 16th PAC Meeting

General Recommendations

1. While scrutinizing new project proposals, the Internal Screening Committee (ISC) should analyze the project thoroughly and confirm marketability, and long-term viability of the project. The ISC should also quantify and recommend the maximum eligible subsidy as per norms.
2. Project proposals for the establishment of coconut oil including micro filtered branded need not be funded under Technology Mission on Coconut, considering the present glut in domestic oil market and price fall of coconut.
3. The linkage and co-ordination between other agencies like Ministry of Food Processing, Directorate of Marketing and Inspection, SFAC, APEDA etc should be developed by bringing out synergy and convergence among various development programme implemented by different agencies as envisaged under Mission approach so that subsidy provided by other agencies can also be availed by the beneficiaries under Technology Mission on Coconut. Networking and convergence between various agencies is required especially in marketing infrastructure development schemes.

AGENDA No. 3: Approval of new project proposals

Project No 1

Improvement of Productivity and quality of coconut by adopting plant protection measures in Karnataka - Department of Horticulture, Karnataka at a total cost of Rs. 5820.00 lakhs

The Committee suggested that the project may be considered at a later stage, after finalizing a uniform recommendation and identifying the thrust areas for funding after the Brainstorming session proposed to be organized by the Board for identifying the gap in research and development activities in coconut. Hence the project is deferred.

Project No 2

Increasing productivity of coconut through transfer and adoption of technology – an approach for management of Red palm weevil under palm based production system. – A farmer participatory demonstration programme. - Coconut Research Station, TNAU Veppankulam at a total cost of Rs. 8.447 lakhs

The Committee agreed with the observation of Internal Screening Committee to ascertain the intensity of pest infestation by conducting a base line survey. Demonstration of pheromone traps on group action basis shall be done only as a part of IPM. Availability and source of procurement of pheromone lures should be clearly indicated. The committee suggested that the project may be considered after the brainstorming session. The project is deferred.

Project No 3

Development of biotechnology based tools and methods for early detection and management of Root wilt disease of coconut palms in Tamil Nadu - TNAU, Coimbatore, at a total cost of Rs. 2824.2 lakhs

Dr. R. Samiyappan, the Principal Investigator of the project presented the project before the committee. The Committee appreciated the work, already initiated at the station, focusing of rain shadow regions for implementation of the project and also the introduction of biotechnology based tools in detection and management of the Root wilt disease. The committee opined that the research in Coconut Root wilt has begun in 1908 by Dr E J Butler and the CPCRI has conducted lot of work in this line. The research evidences shows that the disease-advanced palms do not respond to any kind of management practices, however the trees in the initial and middle stages of the disease responds well to the management practices

and the productivity of these palms can be increased. Hence the present strategy followed is removal of all palms in the advanced stages of the disease and scientific management of other disease affected palms.

A separate session on root wilt is scheduled in the forthcoming Brainstorming session to identify the gap and further field of Research. The Principal Investor shall be invited for the Brainstorming session. The project is deferred.

Project No 4

Project to set up a coconut shell powder-manufacturing unit at Kilakkal Thottam, Earipalayam - M/s. A.P. Agro Industries Avinashi Taluk, Coimbatore Dt., at a total cost of Rs. 36.35 lakhs

The proposal is to set up a coconut shell powder manufacturing unit at Kilakkal Thottam, Earipalayam of capacity 500 kg /hr. The Committee approved the project and decided to extend financial assistance as per norms with a maximum limit of Rs.8.475 lakhs.

Project No 5

Project to set up a unit for packaging and processing of Tender Coconut Water in easy-open-lid Aluminium cans - M/s.Awadhoot Agro Private Ltd., Kolkata - at a total cost of Rs. 272.25 lakhs

The Committee after detailed discussion approved the project and decided to extend financial assistance as per norms with a maximum limit of Rs.50.00 lakhs. The committee suggested to write to the Industries Department of other major States like Andhra Pradesh , Orissa, Goa, and Maharashtra to take up such projects.

Project No 6

Project to set up a coconut shell powder-manufacturing unit at N.C.Palayam Coimbatore - M/s. K. P. Agro Industries, Coimbatore - at a total cost of Rs. 75.00 lakhs

The committee approved the project. The committee observed that the project is an extension of the existing unit possessed by the promoter. It was decided that, bills and vouchers for machineries and equipments should be verified before final settlement, since the equipments in existing unit are specially fabricated by the promoter himself. However, the cost of land shall be excluded for calculating eligible subsidy. The cost of construction of additional building and

machineries & equipments only need to be considered for working out the subsidy. The committee authorized the Chairman to sanction eligible subsidy.

Project No 7

Project to establish a Coconut processing unit for production of micro filtered coconut oil, Coconut Vinegar, Coconut water lemonade and Thenginpookkularasayanam - Thirumeni Agricultural Marketing Co-operative Society Ltd., No.1392, P.O. Chrupuzha, Kannur - at a total cost of Rs.28.54 lakhs

The Committee observed that priority of processing coconut into coconut oil at this juncture has come down and considering the present glut in domestic oil market, production of coconut oil need not be assisted. Coconut water lemonade proposed in the project is yet to be standardized. Thenginpookkularasayanam is a medicinal product, which requires drug license for commercial production. Hence the committee decided to reject the project.

Project No 8

Project to set up of a Technology Training Centre at Perambra Block Panchayat in Calicut District t - M/s.Subicsha Coconuts Producer Company Ltd. promoted by Perambra Block Panchayat, Perambra P.O., Calicut-673 525 - at a total cost of Rs. 93.00 lakhs

The committee after detailed discussion approved the establishment of Quality Control Laboratory for testing the coconut based convenience foods produced and marketed by the SHGs under Subicsha for quality improvement. The Committee approved for establishment of a Quality Control Laboratory including a mini microbiological lab, chemistry lab and physical testing lab limiting to Rs.20 lakhs. However, the list of equipments and details of technical persons engaged for operating the lab should be submitted to the Chairman, CDB for final approval.

Project No 9

Project to set up Integrated Coconut Processing Unit at Echilanvayal, Kannur - M/s. Vellor Service Co-operative Bank, Echilanvayal, Kannur - at a total cost of Rs.164.16 lakhs

The Committee after careful examination of the project decided that production of coconut oil need not be assisted. However, the project was approved for the production of edible copra (only ball copra), coconut chips, coconut vinegar and milk oil (virgin coconut oil),

provided the source of technology and excise license for production of vinegar is produced and technology of virgin coconut oil is disclosed. The promoter may be asked to furnish revised project proposal excluding the cost of establishment of coconut oil production unit through the Bank for consideration of PAC.

Project No 10

Production of elite coconut seedlings from root wilt tolerant/ resistant palms in the Onattukara tract - Dr. D. Alexander, Project Director, Onattukara agricultural research Station, Kayamkulam-690 502 - at a total cost of Rs. 33.441 lakhs

The proposal envisages production of 25,000 elite coconut seedlings annually for a period of 5 years from mother palms showing tolerance/ resistance to root (wilt). The Committee considered the comments of Internal Screening Committee that infrastructure for production of seedlings has already been created under ongoing programme sanctioned to the Institute and that cost of serological test is not at all mentioned. Hence the committee rejected the project in view of the massive community seedling production programme already being carried out in the state of Kerala.

Project No 11

Survey of Sweet Coconut (Mohacha Naral) In Konkan Region of Maharashtra - Dr. Nagwekar D.D, Agronomist ,Department of Horticulture, Regional Coconut Research Station, Bhatye, Ratnagiri Dist - at a total cost of Rs. 23.166 lakhs

The proposal envisages collection of information regarding sweet coconut locally called as Mohacha Naral by conducting survey in four districts of Kokan region, collection and analysis of nuts and raising seedlings by embryo culture method . The Committee agreed with the comments of Internal Screening Committee that the proposal does not come under the purview of Technology Mission on Coconut and rejected the project.

Project No 12

Soil Bioinoculation technology to promote Coconut Production in Tamil Nadu - Dr. K. S. Subramanian, Associate Professor Department of Soil Science & Agri. Chemistry, Tamil Nadu Agricultural University, Coimbatore – 641 003 - at a total cost of Rs. 18.542 lakhs

The Committee deferred the project in view of the proposed Brainstorming session

Project No 13

"Assessment on the long run Competitiveness of coconut oil industry in India vis-à-vis oil palm kernel oil"" - Trans Graph Consulting Commodity Market Mentors, Hyderabad - at a total cost of Rs. 17.20 lakhs

The Committee observed that a similar project already sanctioned to the Center for Development Studies, Thiruvananthapuram has been completed. The results of this study shall be presented before the Marketing Committee of the Board with Dr. K.L. Chadha as a special invitee. Hence the present project is deferred for the time being.

Project No 14

"Economic analysis of marketing and value addition in coconut in Konkan Region" - Directorate of Research, Dr. B.S.Konkan Krishi Vidyapeeth, Dapoli, Ratnagiri District, Maharashtra-415 712 - at a total cost of Rs.7.27 lakhs

The Committee agreed with the following observations of Internal Screening Committee:

The infrastructure facilities available with the University have to be utilized for implementing the project. Rs.0.80 lakhs earmarked for purchase of computer and accessories and Rs.1.60 lakhs for hiring vehicles / POL expenses to be deleted. The University may also clarify the following: 1) why the SRF is engaged when data collection and data analysis is outsourced 2) whether the amount proposed as instructional charges is institutional charges and if so, the same may be limited to 10%.

The Committee approved the project with the above modifications / clarification suggested by Internal Screening Committee. The revised project to be submitted to Chairman, PAC for final approval.

Project No 15

Project Proposal for Grant-in –aid for Market Promotion in Overseas markets – Kerafed - The Kerala Kerakarshaka Sahakarana Federation (KERAFED), Aristo Junction, Trivandrum - at a total cost of Rs. 80.00 lakhs

The Committee observed that considering the present glut in domestic copra and coconut oil market, coconut oil need to be promoted in the international market. There is a very high Indian population in the gulf region. Promotion however needs to be done to gain a foothold in the market. In view of the falling prices of coconut oil in the domestic market there is a need to

support efforts to enter the international market. Hence the proposal for market promotion in overseas market alone was approved in principle with a financial assistance limited to Rs.25 lakhs. It was also decided to request kerafed to forward the proposal through Govt. of Kerala.

Project No 16

Technology Demonstration centre for granulated coconut inflorescence sap. - The Vice Chancellor, Kerala Agricultural University, Vellanikkara - at a total cost of Rs. 28.80 lakhs

The Committee after detailed discussion approved the project in principle for establishing a Technology Demonstration cum Training Center. It was decided that Jr. Processing Engineer of the Board should visit and observe the facilities available at the Station and see whether a new building is required. The details of operational expenses and expenses for machineries should be submitted to the chairman for final approval

Project No 17

To establish a Coconut processing unit for production of Edible grade copra, Micro Filtered coconut oil and Coconut Vinegar.- Shri.K.V.George, Kizhakke Kurivithadathil, P.O.Paingottur, Muvattupuzha, Ernakulam - at a total cost of Rs. 15.5 lakhs

The Committee observed that production of coconut oil need not be supported considering the present glut in domestic oil market. Hence the project is rejected.

Project No 18

To establish a Coconut processing unit for production of Micro filtered coconut oil, Coconut Vinegar - The Kerala Malanad Karshaka Produce Co-operative Marketing Society Thiruvampady Post, Calicut, Kerala-673 603 - at a total cost of Rs. 59.28 lakhs

The Committee observed that production of coconut oil need not be supported considering the present glut in domestic oil market. Hence the project is rejected.

Project No 19

To set up a coconut shell based activated carbon plant(100% EOU) of capacity 4000MT/annum at SIPCOT Industrial Area, Perundurai, Tamil Nadu.- M/s.Mfar(India) Pvt Ltd , NH-47 Bye Pass, Maradu, Kundannoor, Cochin-304 -at a total cost of Rs. 900 lakhs

The Committee after detailed discussion approved the project in principle. However, it was observed that huge quantities of raw material – coconut shell charcoal – is required for the unit and hence, it was decided that the availability and source of raw material should be ascertained. Detailed procurement plan with unit cost including that of transportation expenses shall be called for and an economically feasible sourcing of raw material shall be submitted to the chairman for final approval.

AGENDA No. 4: Other Items

1. Revised Project- Project for establishing a Coconut processing unit for production of Edible grade copra, Micro Filtered coconut oil and Coconut Vinegar.- M/s.Essen Trading Company, Kallor Thekumuri, Annamada, Thrissur at a total cost of Rs.98 lakhs.

The Committee observed that production of coconut oil need not be supported considering the present glut in domestic oil market. Hence the project is rejected.

2. Ratification –Kerafed project, “Project for Market Promotion activities for coconut products”

The Committee ratified the approval given by Chairman for reallocation of fund of Rs.4,12,135/- allotted under the components, Retail outlets / parlours in the ongoing project for market promotion for installing vending machines.

3. Resubmitted- Project Proposal for carrying out Market promotional activities – Adsorbent Carbons Ltd, Egmore, Chennai at a total cost of Rs.25.25 lakhs

The Committee approved the project for reimbursement of expenditure for market promotion activities as per norms limited to Rs.10 lakhs

4. Project for Opening Coconut Corners in Strategic Retail Outlets of Petroleum Products for promoting and Popularizing the Use of Coconut Products-Coconut Development Board- at a total cost of Rs.12.50 lakhs

The proposal is for establishing 10 numbers of kiosks for sale of coconut products in the premises of Petroleum Bunks.The Committee approved the proposal

5. Project for participation in the Bahrain Autumn Fair (Bahrain)- scheduled to be held from 25th January to 3rd February,2006- Coconut Development Board- at a total cost of Rs.14,88,745/-

The Committee approved the proposal for participation of Coconut Development Board in the Bahrain Autumn Fair (Bahrain)- scheduled to be held from 25th January to 3rd February,2006 under the leadership of India Trade Promotion Organization (ITPO), New Delhi.

REVIEW OF ONGOING PROJECTS

Dr. Jayaram , Joint Director, Department of Horticulture, Karnataka presented the status of the following projects sanctioned to the Govt. of Karnataka under Technology Mission on Coconut

1. Adoption of technology for the control of mite in Karnataka - Department of Horticulture, Karnataka – Rs.2.38 crores

The project was sanctioned during March, 2002 with total financial assistance of Rs.2.38 crores for the control of eriophyid mite. The fund was utilized by the dept. of Horticulture for conducting block demonstration (100 nos.) in 22 Districts of Karnataka. The Jt. Director stated that there is an increase in yield of 60-70% reported by the beneficiary farmers of the demonstration plots. After detailed deliberations, the following decisions are recorded:

- 1) Balance amount remaining with the State Govt. (Rs.1.538 lakh) shall be utilized for documentation and evaluation study by conducting a workshop with representation from the beneficiary farmers of 25% of the Block Demonstrations and with a maximum strength of 50 participants. Farmer's views should be collected and incorporated in the Final Report.
- 2) Base line survey data and present status of infestation of mite shall be presented.

2. Project for enhancement of production and productivity of coconut by bringing out demonstration plot -Dept. of Horticulture, Govt. of Karnataka-Rs.25.00 lakhs.

The project was sanctioned during the year 2002-03. Dr. Jayaram, Joint Director, Department of Horticulture, stated that the project was completed successfully. It has also been reported that incidence of pests and diseases has been reduced considerably in the demonstration plots. After discussing the results of the demonstration programme, the following decisions were taken:

1) It is observed that quick response is not coming from the participating agencies for reporting the results and progress of the project sanctioned. Every project must have furnished the completion report along with list of beneficiaries immediately after completion of the project. There should be a project plan as part of the project. Progress report of implementation of the project should be submitted by the agencies once in 6 months.

2) Results of the programme should be evaluated from the perception of the beneficiary farmers. A meeting involving farmers and all stake holders involved in the project shall be arranged to confirm effectiveness of scientific practices adopted by the farmers under the project. Farmers representatives of at least 25% of the Block Demonstration shall be called for the meeting. Director of Horticulture, Secretary (Horticulture) and Director, R.O, Bangalore should be involved in the meeting. Documentation and evaluation study-farmer's views- should be incorporated in the Final Report. \

3. Pilot project for establishment of demonstration cum training centre for coconut products-Dept. of Horticulture, Govt. of Karnataka

The project was scheduled to be completed by March,2006. So far 50 % of the funds,Rs.67.50 lakh was released to the State Govt. Construction of building for establishment of pilot testing center for various coconut products have been completed. Procurement of machineries is in progress. After discussion on progress of implementation of the project, PAC decided that the Dept. of horticulture should finalize the list of equipments required for the training center, invite tenders and furnish the cost of equipments so as to enable release of balance funds.

Meeting came to a close at 12.30 PM.

Chief Coconut Development officer
(Member Secretary PAC)

(Annexure)

**NAME AND ADDRESS OF PARTICIPANTS FOR THE 17TH PAC MEETING HELD ON
28.09.2005 AT KOCHI.**

No	Name and Address
1	Smt. Minnie Mathew, IAS Chairman, Coconut Development Board ,Ministry of Agriculture, Govt. of India, Kochi
2	Shri. Mathew C. Kunnumkal, IAS Agriculture Production Commissioner Department of Agriculture, Government of Kerala, Government Secretariat, Thiruvananthapuram
3	Dr. K.L. Chadha House No.7281, Sector – B Pocket – X, Vasant Kunj, New Delhi – 110 070
4	Shri. L. Shivarama Reddy Deputy Commissioner (Hort.) Department of Agriculture & Cooperation, Krishi Bhavan, New Delhi -110 001
5	Shri. Lukose Vallatharai I A S Secretary (Horticulture), Government of Karnataka, Horticulture Department, Karnataka Government Secretariat, Multistoried building, IIrd Stage, IVth Floor, Ambedker Veedhi, Bangalore.
6	Dr. A.K. Verma Asstt. Agricultural Marketing Adviser Directorate of Marketing and Inspection, Govt. of India, NH.4, CGO Complex, Faridabad -121 001
7	Shri. M. Thomas Mathew Chief Coconut Development Officer, Coconut Development Board, Kochi
8	Dr. K. Muralidharan Director, Coconut Development Board, Regional Office, Bangalore
9	Shri. Rajeev.P.George Deputy Director (Dev), Coconut Development Board, Kochi
10	Dr. Remany Gopalakrishnan Deputy Director (Dev),Coconut Development Board, Kochi
11	Shri. A.N. Muraleedharan Achari Finance Officer, Coconut Development Board, Kochi
12	Shri. Sreekumar Poduval, Jr. Processing Engineer, Technology Development Center Coconut Development Board, Vazhakulam, Aluva
13	Shri. R. Jnanadevan, Assistant Director, Coconut Development Board, Kochi
14	Shri. K.S. Sebastian Statistical Investigator, Coconut Development Board, Kochi

**Proceedings of 18th Meeting of PAC of Technology Mission on Coconut held at Kochi on
30.01.2006**

The Eighteenth meeting of Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held at Coconut Development Board, HQ, Kochi on 30.01.2006 at 4.00 PM under the chairmanship of Smt. Minnie Mathew IAS, Chairman, Coconut Development Board and Chairman, Project Approval Committee (PAC).

Welcoming the members, Chairman recalled some of the important decisions taken in the third meeting of the National Steering Committee held on 8.11.2005 under the Chairmanship of Shri. R.S. Pandey, Additional Commissioner, Government of India. These decisions related to the need to delink the coconut economy from coconut oil by going in for product diversification in a big way, increase contribution of coconut to GDP, engagement of an International Consultant to identify and develop new coconut based products, give greater thrust under TMOC to product development and product diversification and involve the participation of trade and industries in the PAC to get the benefit of their views on the direction that diversification and value addition should take.

Dr. K.L. Chadha attended the meeting as an expert member. Shri. T.R. Reghulal from CII participated as special invitee in the meeting as per decision taken in the National Steering Committee.

Shri. Thomas Mathew, Chief Coconut Development Officer gave a brief presentation on the status of the implementation of the TMOC Projects.

The list of Members who attended the meeting is annexed.

The following agenda items were taken up for consideration.

AGENDA No. 1: Confirmation of the proceedings of 17th Project Approval Committee Meeting.

The Committee approved the proceedings of the 17th PAC Meeting.

AGENDA No. 2: Action taken report of the 17^h PAC Meeting

The committee perused the action taken report of 17th PAC Meeting

AGENDA No. 3: Approval of new project proposals

Project No 1

Development of Biopesticide Formulations with Entamophagous Fungi, Nematode, Antagonistic Microbes with Entamophagous Nematodes for Insects & Nematodes In Coconut Based Cropping System-by Dr.C Muthiah, Associate Professor,Dep. of Agri. Entomology,T N A U, Madurai,Tamil Nadu - at a total cost of Rs. 20.485 lakhs

The Principal Investigator presented the project before the PAC. The Committee after detailed discussion decided that development of a Biopesticide formulation is a basic research and can not be funded under TMOC. However assistance for demonstration of the formulation could be considered after development and standardization of biopesticides.

Project No 2

Development of biotechnology based tools and methods for early detection and management of Root wilt disease in coconut palms Dr. R. Samiyappan, Professor (Plant Pathology), TNAU, Coimbatore, at a total cost of Rs. 47.85 lakhs

Dr. R. Samiyappan, the Principal Investigator of the project presented the project before the committee. The Committee after detailed discussions agreed that the proposal for development of biotechnology based tools for detection of Root wilt disease is very important. However, a project of this dimension needs to be taken up as a coordinated and networked project basis similar to National Agricultural Technology Programme (NATP) after assessing the facilities available with SAUs / CPCRI. CPCRI would be requested to act as a nodal agency for coordinating the project. TNAU will be part of the project. A meeting of all the agencies involved in this matter will be convened by the Board immediately to chalk out a network project. Hence the project was not approved.

Project No 3

Refining of coconut oil by utilizing membrane filters as the major unit operation and development of a process to improve nutritional quality of refined coconut oil for frying and other edible uses- Dr.Sarmandal Chandrakanth V, Central Food Technological Research Institute, Mysore-570 020- at a total cost of Rs. 8.97 lakhs

The Committee approved the project limiting the project duration to 1 year. Development of a cost effective method of production of hydrogenated coconut oil should be included as one of the objectives of the study.

Project No 4

Development of pourable coconut oil at winterized conditions- by CFTRI, Mysore - at a total cost of Rs. 20.862 lakhs (18.95+1.9125)

The Committee was of the view that the Principal Investigator should present the project before the PAC. Hence the project was deferred for consideration.

Project No 5

Development of Nata-de-Coco with exotic flavours from mature coconut water. - by CFTRI, Mysore - at a total cost of Rs. 19.60 lakhs

The Committee deferred the project for the time being considering the advancement already made by the TDC of the Board in developing Nata-de-Coco.

It was decided that the Board should take steps to put up a demonstration plant to demonstrate the commercial viability and also develop quality standards in association with DFRL, Mysore.

Project No 6

Development of a mechanical tree climber and ladder for coconut trees-by TNAU- at a total cost of Rs. 16.10 lakhs

Dr. Ananthkrishnan, PI of the project presented the proposal before the Committee. The Committee after careful examination observed that the tractor mounted climber may not be very suitable in coconut holdings with inter/mixed crops. Hence the committee suggested to revise the project with lesser cost and project period of one year for developing a tree climber, which would upgrade the efficiency of the existing one in terms of convenience in operation, number of trees covered in a unit time etc.

Project No 7

Design and Development of elevators as attachment to tractors for harvesting of nuts in coconut- by Tractors and Farm Equipment Limited, Chennai - at a total cost of Rs. 10 lakhs

The Committee suggested that an officer of the Board should inspect the small size orchard tractor to which elevator is proposed to be attached for harvesting and assess its feasibility in coconut holding and its cost effectiveness. Chairman, PAC was authorized to take a final decision on the project thereafter.

Project No 8

Automation of Tender Coconut Water Processing System for large-scale production-by DFRL, Mysore-- at a total cost of Rs. 29.80 lakhs

The Committee was of the view that the Principal Investigator should present the project before PAC. Hence the consideration of the project was deferred.

Project No 9

Product Development and Storage Studies of Coconut Jelly- by TNAU- at a total cost of Rs. 7.424 lakhs

The Committee was of the view that the Principal Investigator should present the project before PAC. Hence the consideration of the project was deferred.

Project No 10

Study on Medicinal and health benefits of Virgin Oil- by CFTRI, Mysore - at a total cost of Rs. 10.14 lakhs

The Committee observed that sufficient studies have already been undertaken in other countries. However, nutritional aspects can be authenticated by National Institute of Nutrition (NIN), Hyderabad / CUSAT / Amrutha Institute, Kochi / Dr. Rajmohan, Kerala University, Thiruvananthapuram. Chairman, CDB was authorized to award the work to a suitable agency.

Project No 11

Development of faster methods for making ball copra and scale up of natural convection driers with reverse hot air flow - Dr. P.P.Thomas, Scientist F, Process Engg. Division, Regional Research Laboratory, CSIR, Trivandrum - at a total cost of Rs. 9.70 lakhs

The Committee approved the project. Since RRL is a Central Laboratory, financial assistance of Rs. 9.70lakhs (100% of the project cost) was sanctioned.

Project No 12

Proposal for financial Assistance for the marketing of branded coconut oil KERAJEM- The Managing Director, Kerala State Co-operative Marketing Federation (MARKETFED) -at a total cost of Rs.19.00 lakhs

The Committee considered the proposal. It was felt that assistance for production of two films was not necessary. The Committee approved the project with a total assistance of Rs.18 lakhs for market promotion activities.

Project No 13

Project proposal to carryout Market Promotion activities for Coconut Products- M/S Amrutha Coconut Products, Madavana, Kodungallur,Thrissur district--at a total cost of Rs.7.50 lakhs

The Committee approved the project and sanctioned Rs.3.25 lakhs for market promotion activities. Payment will be made on reimbursement basis.

Project No 14

Detection and Eradication of coconut Root (wilt) Disease affected palms in Karnataka- Shri. S C Chandrasekhar, Department of plant pathology, University of Agricultural sciences, Bangalore- at a total cost of Rs. 24.974 lakhs

The Committee observed that the immediate need is to arrest the spread of Root wilt disease in Karnataka by cutting and removal of the affected palms. Hence, the PI was advised to submit a revised proposal for 'Training, Identification and Marking of Disease affected palms in the affected Districts'. The programme should be completed within 3 months, so that the State Dept. of Horticulture could implement the programme for removal of affected palms with the financial assistance provided by CDB. Identification of disease-affected palms should be done with the help of Contractual staff/ enumerators.

The proposed research work on standardizing a protocol for DNA diagnostic techniques for root wilt disease shall be undertaken as a Network project with different SAU,s and Research Institutes with CPCRI as the nodal agency.

The PI was advised to submit the revised project within one week and Chairman, PAC was authorized to approve the revised project.

Project No 15

Market Promotion of Tender Fresh (Minimally Processed Tender Coconut)- M/s. Health Magic Natural Foods, Bangalore-at a total cost of Rs.8.10 lakhs

The Committee approved the project deleting the provision for Transport Vehicle. It was decided to sanction Rs.3.35 lakhs and effect the payment on reimbursement basis.

Project No 16

Project for participation in Aahar 2006 exhibition at New Delhi - scheduled to be held from 8th to 12th March 2006- Coconut Development Board- at a total cost of Rs.15.00 lakhs

The Committee approved the proposal and sanctioned Rs.15.00 lakhs.

Project No 17

Project for participation in the International Food Technology Trade Show in Sharjah, UAE - scheduled to be held from 19th to 21st February 2006- Coconut Development Board- at a total cost of Rs.13.03 lakhs

The Committee approved the proposal and sanctioned Rs.13.03 lakhs.

AGENDA No. 4: Other Items

- 1. Survey report and approval of proposal on “Development and demonstration of IDM strategies for coconut diseases in the farmers field of coastal Orissa” – submitted by Orissa University of Agriculture of Technology, Bhubaneswar.**

The Committee observed that similar studies are being conducted under the All India Co-ordinated Research Project on Palms (AICRP). Hence the committee did not approve the proposal.

- 2. Extension of project “Development, implementation, Training and Popularization of IPM of Coconut Black Head Caterpillar, Opisina arenosella in Karnataka”-UAS, Bangalore.**

The Committee did not approve the extension of the project period for one year with additional financial requirement. The committee after careful examination of the proposal decided to close the project of UAS as per the approved schedule i.e. by February 2006. Unspent balance if any shall be refunded to the Board. The vehicle purchased under the project shall be surrendered to the Board immediately after closing the project.

The large-scale demonstration of the IPM package in farmers field shall be carried out by the Board under the on going programme, laying out of demonstration plot in the endemic areas. The service of Dr. Puttaswamy, Principal Investigator in the project shall be utilized by the Board for this purpose by paying honorarium.

3. Revised Project for establishing a Coconut processing unit for production of Edible grade copra, Micro Filtered coconut oil and Coconut Vinegar.- M/s.Essen Trading Company, Kalloor Thekumuri, Annamada, Thrissur at a total cost of Rs.98.00 lakhs.

The Committee approved the proposal. Financial assistance was sanctioned at Rs.21.95 lakhs being 25% of the eligible project cost.

4. Revised project proposal of M/s.Nirmal Oil Mill, Paingottoor, Kothamanagalam - for setting up of a coconut processing unit- at a total cost of Rs. 15.50 lakhs

The Committee approved the proposal. The committee authorized Chairman to sanction eligible subsidy after verifying whether the proposal was revised in accordance with the previous decision of the PAC.

5. Revised proposal and extension of project period for the project ‘Kerasyam – Value added Coconut based products’-by Sevashram, Angamaly

The Committee approved the extension of the project period upto 31st March 2006. In view of the practical difficulties experienced in the implementation of the project, the committee agreed to close the project with 23 units instead of 45 units as earlier envisaged. The eligible subsidy for 23 units shall be worked out and the account settled as per the costing given in the original project cost and also with the approval of the financing bank.

6. Proposal for establishment of Central Soil testing and Leaf-analyzing Laboratory attached to CDB, Kochi

The Committee approved the proposal and authorized the chairman to work out a detailed plan of action and preparation of estimate for expenditure sanction.

ADDITIONAL AGENDA

New projects

Project No 1

Development of sex pheromone lures and devising suitable trapping system for management of the coconut black headed caterpillar, *Opisina arenosella*”- Dr. K.P. Jayanth, General Manager, Bio-Control Research Laboratories, Division of Pest Control (India) Pvt. Ltd., P.O. Box. 6426, Yelahanka P.O, Bangalore – 560 064, Karnataka-at a total cost of Rs. 23.10 lakhs

The Committee approved the project, excluding institutional charges. The PAC sanctioned financial assistance at Rs. 10.50 lakhs being 50% of the eligible project cost.

Project No 2

Demonstration of technology for mass trapping Red Palm Weevil and Rhinoceros beetle of Coconut using Aggregation pheromone lures and traps”- Dr. K.P. Jayanth, General Manager, Bio-Control Research Laboratories, Division of Pest Control (India) Pvt. Ltd., P.O. Box. 6426, Yelahanka P.O,Bangalore – 560 064, Karnataka-at a total cost of Rs. 17.688 lakhs

The Committee approved the project, exclusive of institutional charges. The PAC sanctioned financial assistance at Rs. 8.04 lakhs being 50% of the eligible project cost.

Project No 3

Proposal on “Impact of value added tax on the price of copra and coconut oil in Kerala”- Registrar, Centre for Taxation Studies, Govt. of Kerala, Pappanamcode P.O,Thiruvananthapuram-- at a total cost of Rs.1.21 lakhs

The Committee approved the proposal and sanctioned an assistance of Rs. 1.00 lakh.

Other Items

1. Improvement of Productivity and quality of coconut by adopting plant protection measures in Karnataka - Department of Horticulture, Karnataka - at a total cost of Rs. 5820.00 lakhs

The Committee deferred the project.

2. Engagement of a Consultant for development and demonstration of new range of value added coconut based products and transferring the technology

The Committee approved the proposal to engage a Consultant at a cost of Rs. 3.00 lakh per annum.

DISCUSSION

Project to set up Integrated Coconut Processing Unit at Echilanvayal, Kannur - M/s. Vellor Service Co-operative Bank, Echilanvayal, Kannur - at a total cost of Rs.164.16 lakhs

The Committee approved the proposal. The committee authorized Chairman to sanction eligible subsidy after verifying whether the proposal was revised in accordance with the previous decision of the PAC.

Meeting came to a close at 8.30 PM.

Chief Coconut Development officer
(Member Secretary PAC)

(Annexure)

**NAME AND ADDRESS OF PARTICIPANTS FOR THE 18TH PAC MEETING HELD ON
30.1.2006 AT KOCHI.**

No	Name and Address
1	Smt. Minnie Mathew, IAS Chairman, Coconut Development Board , Ministry of Agriculture, Govt. of India, Kochi
2	Shri. Mathew C. Kunnumkal, IAS Agriculture Production Commissioner, Department of Agriculture, Government of Kerala, Government Secretariat, Thiruvananthapuram
3	Dr. K.L. Chadha House No.7281, Sector – B, Pocket – X, Vasant Kunj, New Delhi – 110 070
4	Dr. K V Ramana Assistant Director General (Plantation crops), Indian Council of Agriculture Research(ICAR), Krishi Anusandhan Bhavan –II, Pusa, Krishi Bhavan, New Delhi-110 012
5	Shri. John Kurian Chief General Manager, Technical Services department, 3 rd Floor, C Wing, NABARD, Plot No. C –24, G Block ,Badra -Kurla Complex Bandra (E), Bombay - 400 051
6	Dr. Jippu Jacob Associate Professor, KAU, Kelappaji College of Agricultural Engineering, Thavanur
7	Shri. T. R Raghulal, (Ex Chairman, Confederation of Indian Industry (CII) Kerala State Council & Managing Director, Elite Foods Pvt. Ltd.) Confederation of Indian Industry (CII) Building No. 27/2567, L-1, Plot No. 471, Opp. Cochin Passport Office, Panampilly Nagar, Kochi-682 036
8	Shri. M. Thomas Mathew Chief Coconut Development Officer, Coconut Development Board, Kochi
9	Shri. V. K. Sankaran, Secretary, Coconut Development Board, Kochi
10	Shri. Rajeev.P.George, Deputy Director (Dev), Coconut Development Board, Kochi
11	Dr. Remany Gopalakrishnan, Deputy Director (Dev), Coconut Development Board, Kochi
12	Shri. A.N. Muraleedharan Achari, Finance Officer, Coconut Development Board, Kochi
13	Shri. Sreekumar Poduval, Jr. Processing Engineer, Technology Development Center Coconut Development Board, Vazhakulam, Aluva
14	Shri. R. Jnanadevan, Assistant Director, Coconut Development Board, Kochi
15	Shri. T.B. Nandakumar, Assistant Director (IR), Coconut Development Board, Kochi
16	Shri. V.G. Chandrasekharan, Statistical Officer, Coconut Development Board, Kochi
17	Shri. K.S. Sebastian, Statistical Investigator, Coconut Development Board, Kochi
18	Shri. B. Chinnaraj, Sr. Technical Officer, Coconut Development Board, Kochi

Proceedings of 19th Meeting of PAC of Technology Mission on Coconut held at Kochi on 28.4.2006

The 19th meeting of the Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held at the Board Room of Coconut Development Board, HQ, Kochi on 28.04.2006 at 10.00 AM under the chairmanship of Smt.Minnie Mathew IAS, Chairman, Coconut Development Board and Chairman, Project Approval Committee (PAC). Dr.K.L. Chadha attended the meeting as an expert member. The list of Members who attended the meeting is annexed.

Welcoming the members, Chairman recalled that the achievements made during the last financial year under the TMOC was the highest ever since the inception of TMOC. Against the allocation of Rs.11.29 crores, an achievement of Rs.11.54 crores could be made. However the imbalance in expenditure among various components still persists. Until 2005 expenditure under the component "Management of Pests & Disease" was 75% The same could be brought down to 66% in 05-06 and the attempt to balance the components will have to be continued in the current year also.

Chairman added that the Board has received a mid term review report from the Ministry of Agriculture. The review conducted by Dr.M.S. Swaminathan revealed that an end to end approach linking the production to marketing has not been achieved in the mission. TMOC therefore needs to be redesigned encompassing an end to end approach rather than focusing on a particular area. The approach should cover technology transfer at farmer's level, farmer's participatory approach, Farmers Field School, group farming, farm level processing, etc.

In this context Chairman stated that the Coconut Development Board is promoting group farming in cluster approach. During the last year four areas were identified and during this year 8 more districts will be covered in Kerala besides extending the programme to other States. In the clusters, farm level processing will be introduced for bringing end to end approach.

The Board is also playing a proactive role as a facilitator for online trading of copra with an objective to ensure transparency in trading. This will also help to pool the small quantities of copra produced by small farmers, and enable them to enter into trading. The minimum unit needed for participating in trading is 1 ton copra. In this sector it has not been possible to assemble the marketable surplus of copra and pool the strength and achieve a critical mass. The farmers in this cluster approach have to be persuaded to come forward and utilize the opportunity, Chairman stated that she had also written to the State Secretaries/ APCs of important coconut producing States inviting integrated projects as per TMOC guidelines. As no replies have been received a reminder has to be issued.

Before discussing the action taken report Shri.M. Thomas Mathew, Chief Coconut Development Officer reiterated the higher achievement made under TMOC during the last financial year. By spending Rs.11.54 crores, 28 new projects were sanctioned during the year, of which, 3 were on Pest and Disease Management and 14 were on Processing and Product

Diversification and 8 were on marketing & market promotion. The Quality Control Laboratories completed in Ernakulam and Bangalore was a significant achievement of the TMOC.

Thereafter the agenda items were taken up for discussion.

AGENDA No. 1: Confirmation of the proceedings of 18th Project Approval Committee Meeting.

The Committee approved the proceedings of the 18th PAC Meeting.

AGENDA No. 2: Action taken report of the 18^h PAC Meeting

The committee perused the action taken report of 18th PAC Meeting

AGENDA No. 3: Approval of new project proposals

PROCESSING & PRODUCT DIVERSIFICATION

Project No 1

Project for manufacture of Virgin coconut oil unit - Kerala State Rubber Co-operative limited, Kannur at a total cost of Rs. 24.97 lakhs

The project was deferred as the Principal Investigator did not turn up for presenting the project.

Project No 2

Establishment of demonstration cum training centre for coconut products in Thottapally, Alappuzha - Shri.Lal Varghese, Kalpakavadi, Alappuzha at a total cost of Rs.22.00 lakhs

The Principal Investigator presented the project. The Committee felt that the cost of building proposed was too high. The project is silent on how the unit will establish linkage with the SHGs. The project is also silent on the repayment schedule. The Committee felt that the project should be self sustainable with forward and backward linkages and it can work on an integrated manner comprising production, processing and marketing linkages.

The committee therefore decided to request the promoter to recast the project into an Integrated self sustainable project scaling down the cost by reducing the training fee, covering more number of products, and integrating training, production, value addition and marketing.

Project No 3

Automation of tender coconut water processing system for large scale production - DFRL, Mysore, at a total cost of Rs.29.80 lakhs

The Committee felt that the project period of 3 years is very high. The staff component proposed is also very high. The committee after considering various aspects resolved to approve the project at a total cost of Rs.25 lakhs limiting the project period to 18 months. Scaling down of equipments and revision of staff component to 10% of the total cost are required. The budget portion can be reworked and submitted. The committee authorized the Chairman to approve the project. The Committee took a general view that wherever equipments are allowed to be retained, institutional charges should be waived.

Project No 4

Development of unconventional products based on coconut water/ pulp/ chips – DFRL, Mysore, at a total cost of Rs.9.00 lakhs

The Committee approved the project with a stipulation to complete the project with 18 months. In the first half products viz. fruit juice blended coconut water and structured tender coconut can be developed and in the latter half the remaining two products can be developed.

Project No 5

Product development and storage status of coconut jelly - TNAU, Madurai - at a total cost of Rs.7.424 lakhs

The project was presented by the Principal Investigator. The Committee felt that the project period of project (3 years) focused on a single product is too high. After detailed discussion, the Committee approved the project limiting the project period to 2 years and project cost to Rs.5 lakhs. Institutional charge should be limited to 10% of the project cost. The Institution can standardize the technology and transfer of technology can be done by the Board.

While discussing about small projects with one or two products scope, the Committee felt that the responsibility of transfer of technology for products like dairy products developed by KAU should be with CDB so that timely transfer and commercialization can be done.

Project No 6

Development of pourable coconut oil – CFTRI, Mysore - at a total cost of Rs. 18.75 lakhs

The Committee approved the project for a total cost of Rs.16.50 lakhs, reducing the overhead charge from 25% to 10%.

MARKET PROMOTION

Project No 7:

Market promotion of tender coconut water on cluster approach - Secretary, Agricultural Urban Whole Sale Market, Kozhikode - at a total cost of Rs.36.00 lakhs

The Committee considered the integrated project submitted by the Secretary, Agriculture Urban Wholesale Market for procurement, processing, chilling and marketing of tender nut water. The project envisaged identification of two Panchayats for procurement of nuts through climber units. The processing will be done at the farm level by Kudumbasree units. The tender nut will be brought in crates to a central chilling facility in the wholesale market and will thereafter be distributed in insulated crates to bulk customers and retail shops. The project envisages a payment of Rs.6 per nut to the farmer.

The Committee felt that the no. of palms identified for collection of tender nuts was less. Management expense was also not justifiable. After considering all aspects the Committee deleted one chilling plant and approved the project limiting the assistance of CDB to Rs.18.17 lakhs. The Committee also decided that by May 15th MOU should be ready and on signing of MOU 50% advance will be released. Cooler and kiosks have to be designed uniformly. Milestone and the phasing out of project should be spelt out clearly in the MOU. The proposal should come through the District Collector with a definite time frame. By Onam (12th Sept) the project should be commenced.

Project No 8

Market Promotional activity of tender coconut with Minimal Processing – President, Kanjikuzhy Grama Panchayat, Alappuzha at a cost of Rs.8.715 lakhs

Dr.P.T. Thomas, Dy. Director, Marketing presented the project received from Kanjikuzhi Grama Panchayat for funding assistance for procurement, processing and marketing of tender nut.

The Committee after considering the project approved the proposal deleting the management expenses of Rs.2.4 lakhs, Rs.0.450 lakhs towards the cost of climbing device and also limiting the tools for dehusking to half. The Committee approved the project at a total cost of Rs.5,84,250.

Project No 9

Market Promotional activity of tender coconut with Minimal Processing – Secretary, Pattanakkad Service Cooperative Bank, Alappuzha at a cost of Rs.7.44 lakhs

Dr.P.T. Thomas, Dy. Director, Marketing presented the project proposal received from Pattanakkad Service Cooperative Bank for procurement and marketing of tender nut.

The Committee after considering the project approved the proposal deleting the management expenses of Rs.2.4 lakhs and limiting the tools for dehusking to half. The project was approved at a total cost of Rs.5,02,500.

Project No 10

Market Promotional activity of tender coconut with Minimal Processing – Secretary, Uzhuva Service Cooperative Bank, Alappuzha at a cost of Rs.7.415 lakhs received from Uzhuva Service Cooperative Bank, for procurement and marketing of tender nut.

Dr.P.T. Thomas, Dy. Director, Marketing presented the project proposal.

The Committee after considering the project approved the proposal deleting the management expenses of Rs.2.4 lakhs and limiting the tools for dehusking to half. The project thus approved for a total cost of Rs.5,00,000.

MANAGEMENT OF PEST & DISEASE

Project No 11

Integrated Coconut Development Scheme – District Panchayat, Kozhikode - at a total cost of Rs.339.00 lakhs

The PAO presented the project. The Committee observed some positive features in the project viz. Integrating enterprises like poultry, bee keeping, ensuring irrigation facilities in the project areas, selection of clusters of contiguous areas and as a loan-linked project.

The PAO while discussing said that the copra produced can be marketed to Kerafed, Kozhikode.

After detailed discussion, Committee approved the project limiting the cost to Rs.25 lakhs with Rs.55000/unit. The CDB's share will be reimbursable subject to the condition that all other units are agreeable to contribute their share with firm commitment.

Project No 12

“Integrated management of Coconut Mite” - Directorate of Research, Agricultural University, Junagarh, Gujarat - at a total cost of Rs.37.53 lakhs

The Committee decided to request the Institutes to revise the project as an applied research in consultation with Dr.Mallik. In the project provision can be made for TA/DA rather than including vehicle which, in normal condition is not permissible.

Project No 13

Project for Development of Govt. Coconut farms in Orissa - Dept. of Agriculture, Orissa - at a total cost of Rs.132.388 lakhs

The Govt. of Orissa has already been requested to revise the project according to the guidelines of the TMOC. The Committee decided to await the project.

Project No 14

Demonstration of need based technologies for production and productivity of coconut with special reference to bio intensive pest management – Coconut Research Station, OUAT, Konark, Orissa - at a total cost of Rs. 25.00 lakhs

The Committee resolved to recast the project based on the comments received from The CPCRI, limiting the project cost to Rs.25 lakhs. The Committee authorized Chairman to take appropriate decision on receipt of the project.

Other item 1

Proposal for purchase of new equipments under the project ‘Mass production of biological agents, Demonstration and adoption of technology for management of coconut leaf eating caterpillar, *opisina arenosella*, ‘TNAU

Separate orders to be taken from Chairman

Other items 2

Proposal for extension of project period and sanction of additional funds under the project for ‘Establishment of Training Centre for coconut products’ by Dept. of Horticulture, by Government of Karnataka

The Committee approved the extension of the project period upto 31.3.07, subject to the condition that the Government of Karnataka submits a revised project schedule, spelling out the milestones for the completion of the project.

Other items 3

Project for participation in the Agri-Food Exhibition at Johannesburg, South Africa

The Committee approved the proposal.

General

- 1) Dr.Chadha suggested to review the projects both completed and ongoing projects under TMOC and brings out a publication on the results achieved.
- 2) Coconut oil as a lubricant has been tested by CUSAT. But the use of coconut oil as bio-diesel could not be successfully completed due to the pouring point. Indian Institute of Oil Technology, Dehradun may be addressed for exploring the possibility of taking up a project by them.
- 3) The Committee also decided to prepare project profile for Integrated processing and send to all State Govts with a view to promoting and popularize Integrated processing in coconut.
- 4) The Committee observed that the technology for Virgin coconut oil has been standardized by the CFTRI. The CFTRI may transfer the technology to the Board and the Board can invite applications for transfer of technology.
- 5) The PAC expressed its displeasure in the delay of the transfer of vehicles purchased by UAS, Bangalore and CUSAT and decided to press the issue at appropriate level.

Meeting came to a close at 04.30 PM.

Chief Coconut Development officer
(Member Secretary PAC)

(Annexure)

**NAME AND ADDRESS OF PARTICIPANTS FOR THE 19TH PAC MEETING HELD ON
28.04.2006 AT KOCHI**

No	Name and Address
1	Smt. Minnie Mathew, IAS Chairman, Coconut Development Board Ministry of Agriculture, Govt. of India, Kochi
2	Shri. Mathew C. Kunnumkal, IAS Agriculture Production Commissioner Department of Agriculture, Government of Kerala, Government Secretariat, Thiruvananthapuram
3	Dr. K.L. Chadha House No.7281, Sector – B Pocket – X, Vasant Kunj, New Delhi – 110 070
4	Dr.K.S.M.S. Raghava Rao, Head, Food Engineering, CFTRI, Mysore
5	Shri.James Antony, Marketing Officer, Directorate of Marketing & Inspection, Kochi-17
6	Shri.John Kurien, Chief General Manager, NABARD, Mumbai
7	Shri. M. Thomas Mathew Chief Coconut Development Officer, Coconut Development Board, Kochi
8	Dr. Remya Gopalakrishnan Deputy Director (Dev), Coconut Development Board, Kochi
9	Shri. Sreekumar Poduval, Jr. Processing Engineer, Technology Development Center Coconut Development Board, Vazhakulam, Aluva

**Proceedings of 20th meeting of PAC of Technology Mission on Coconut held at Kochi on
08.09.2006**

The 20th meeting of the Project Approval Committee (PAC) on Technology Mission was held at the Board Room of Coconut Development Board, Kochi on 08.09.2006 at 2.30 PM, under the Chairmanship of Smt. Minnie Mathew IAS, Chairman, and CDB & Chairman PAC. Dr. K V. Kasthoori Bai, Principal Scientist, Head of the Division of Plant Physiology & Post harvest Technology, CPCRI Kasaragod attended the meeting as an expert member. The list of members who attended the meeting is annexed.

Welcoming the members, Chairman apprised the members of the various measures initiated by the board to disseminate information on the Technology Mission on Coconut .The secretaries /APCs of the various state govt. had been requested to send proposals keeping in view the operational guidelines of TMOC. However no proposals have so far been received. Therefore the board has now taken action to invite proposals from entrepreneurs by advertising in leading newspapers and vernacular papers. The dearth of viable proposals particularly in the processing sector is found to be a serious problem. The objectives of TMOC to give concurrent attention to all the links in the chain from production to marketing can be effectively met only by good projects which address the different objectives.

There after the Agenda items were taken up for discussion.

AGENDA No. 1: Confirmation of the proceedings of 19th Project Approval Committee Meeting.

The Committee approved the proceedings of the 19th PAC Meeting

AGENDA No. 2: Action taken report of the 19^h PAC Meeting

The action taken report of the 19th PAC was discussed in the meeting and following decisions were taken for further follow up action.

- 1) While discussing the project for manufacture of Virgin Coconut Oil submitted by the RUBCO Kannur the committee authorized the Chairman to approve proposals for setting up of VCO manufacturing units promoted by RUBCO after assessing the quality and viability of the pilot plant at 'SUBISHA' Calicut.

2) **Establishment of Demonstration cum training Centre for coconut products in Thottappally, Alappuzha –Shri Lal Varghese , Kalpakavadi, Alleppy**

The committee observed that the revised project has not been received by this office even after 4 months after the 19 th PAC meeting and hence decided to close the project. If a revised project is received on a later it could be considered as a fresh case.

- 3) Committee expressed displeasure in the delay in commencing the project Integrated Coconut Development Scheme – Approved to District Panchayat Kozhikode. The committee decided to cancel the approval, if the revised project along with implementation schedule is not obtained, by 30 th September 2006.

Other items

1) **Establishment of training centre for coconut products by Dept of horticulture, Govt. of Karnataka**

Committee after detailed discussion decided to call for the revised time schedule of implementation.

- 2) Chairman instructed that regular in-house review of the ongoing projects be undertaken regularly for proper follow up action

- 3) It was noted that the final report of Virgin coconut oil has been received from CFTRI along with the sample after refinement. This technique should be transferred to the interested parties

AGENDA No. 3: Approval of new project proposals

PROCESSING & PRODUCT DIVERSIFICATION

Project No.1

EXPANSION OF ACTIVATED CARBON MANUFACTURING UNIT – M/S. Raj carbon, Tuticorin, at a total cost of Rs. 140 lakhs.

The project was presented by the promoter. The Committee approved the project for providing back ended capital subsidy @25% of the eligible component.

The committee approved the project subject to the following conditions:

- 1) The promoter should furnish the details of export data of the product to the Board on a monthly basis. This should be indicated in the MOU itself as one of the conditions.

- 2) The financial institution should also be a party to be in the MOU.
- 3) The promoter should clearly indicate the source and quantity of raw material to be collected for the project.

Project No.2

Establishment of integrated coconut processing unit - M/s. Malabar Rubber and Agricultural Processing Co operative Society Ltd, Kannur at total cost of Rs.65.00 lakhs.

The committee approved the project @25% eligible financial assistance as back ended capital subsidy for edible copra, milling copra, coconut vinegar and chutney powder. The land cost should be limited to 10% of the eligible project cost for considering the sanction of subsidy. The unit should furnish the details of technology for premium grade coconut oil made from coconut milk.

Project No 3

Developing of coconut climbing bike - The Director, Regional Research laboratory ,CSIR, Trivandrum, at total cost Rs. 12,79,000/-

The project was deferred as the principal investigator did not turn up for presenting the project.

Project No 4

Preservation of Tender coconut water - Dept. of Plant Bio technology, Vellayani, Trivandrum, at total cost Rs.5,50,000/-

The project was presented by Dr. Rajmohan, Principal investigator of the project. The committee after detailed discussion expressed doubt in terms of quality of the product. Hence the committee suggested that quality of the product produced in the lab should be analyzed in terms of freshness, color, flavor, taste, microbial contamination etc. by KAU and the results furnished. The quality test shall be carried out at intervals of 7 days and 14 days. The committee authorized the Chairman PAC to approve the project, if the quality test results are encouraging.

Project No.5

Project for setting up of an Integrated Coconut Complex - M/s. Vellur Service Co-operative Bank Ltd. No. 3971, Kannur, at the total cost Rs.119.91

The committee after detailed examination approved the revised project and decided to extend 25% eligible subsidy. The subsidy for VCO unit shall be released in the second phase after furnishing the source of technology.

Project No 6

Farm level processing & value addition – Modernization of coconut processing by the introduction of improved copra dryers/other processing machineries/equipments by CDB - Coconut Development Board Rs.42 lakhs

The committee approved the proposal to provide 25% of the cost of the copra drier limited to Rs.10000 per drier.

Project No 7

Establishment of Modern soil testing and plant analysis laboratory for coconut by coconut development board Rs.28.04

The committee after detailed discussion approved the proposal in principle. The committee suggested that the space available in the CDB headquarters shall be utilized for housing the lab. The possibility of having a mobile soil testing laboratory shall also be explored.

Project No 8

Project for providing financial assistance for market promotion of packed and preserved Tender coconut water by CDB - Coconut Development Board at total cost Rs. 25.00 lakhs

In view of the need to promote the marketing of tender coconut water the committee approved the proposal for extending freight subsidy @ 50% of actual freight charges limited to Rs.5 lakhs per unit per year. The subsidy shall be released on reimbursement basis on production of sales turnover. Units which have a minimum annual turn over of Rs. 50 lakhs and which achieve an annual sales growth rate of at least 15% return on their sales turn over and export shall be eligible for the subsidy. The units shall furnish audited statement and return on their sales turn over and export to be eligible for this assistance.

Project No 9

Project proposal to promote and to generate consumer awareness for coconut products “Preserve and packed Tender Coconut Water” by Fortune Beverages Pvt Ltd - M/s Fortune Beverages Pvt Ltd at total cost Rs.2.652 lakhs

The committee approved the proposal and sanctioned 50% of the cost incurred on market promotion Rs.1.326 lakhs. The financial assistance shall be on reimbursement basis based on the bills and vouchers furnished by the promoter as per the norms of TMOC.

Project No 10

Integrated coconut processing complex by Kandalloor coconut processing and marketing society , Karthikapally, at a total cost of Rs. 24.97 lakhs

The Committee approved project in principle subject to the condition that project should be forwarded to the financial institution with bank appraisal .The land cost should be limited to 10% of the eligible project cost for the purpose of subsidy. The share capital of Rs.2,04,000 shall also be excluded for calculating eligible subsidy.

Project No 11

Tender coconut water processing and bottling unit by Kayamkulam Village Service Co-operative Bank – Rs.13.75 lakhs

The Committee after careful examination of the project did not sanction the proposal. The Committee decided that the viability of technology adopted for processing and bottling of tender coconut water should be got assessed by CFTRI. The society should also be asked to get FPO license. The project will be taken up for consideration only after the receipts of these reports.

Project No. 12

Coconut processing units with copra and raw vinegar production facilities by Ezhupunna Panchayat SC/ST – Rs.6.56 lakhs

The Committee approved the project .The land cost should be limited to 10% of the project cost for the purpose of subsidy. The promoter should produce FPO certificate for the manufacture of vinegar. The source of technology for vinegar production should be produced by the promoter. The components for which subsidy have already availed from the Board shall be furnished. The society should also provide for a mechanism for physical monitoring of the progress in the project report it self. The Committee authorized Chairman to approve the revised project.

Project No. 13

Coconut wood furniture making and training by Kodamthuruthu Panchayat Scheduled Caste Co- operative Society at a total cost of Rs 8.95 lakhs

The committee wanted a detailed revised project with details of the equipments to be procured. A provision should also be made for sending the trainees to reputed institutes for upgrading skills and imbibing latest technologies. The Committee authorized the Chairman to approve the revised project

Project No. 14

Market promotional activities of tender coconut with minimal processing, Kayamkulam Village service cooperative bank at a total cost of Rs, 7.44 lakhs

The Committee after detailed discussion approved the project considering the heavy demand for tender coconut .The project shall be approved as per the funding pattern already approved for similar projects in Pattanakkad, Uzhuva, Kanjikuzhy etc.

Project No. 15

Market promotional activities of tender coconut with minimal processing, Kuttamangalam Village service cooperative bank at a total cost of Rs.10.00 lakhs

The Committee after detailed discussion approved the project considering the demand for tender coconut. The provision for a Boat under Minimal Processing Unit attached to Kuttamangalam Village service cooperative bank may be considered only after assessing the performance of the unit. For all other items the projects shall be approved as per the funding pattern already approved for similar projects in Pattanakkad, Uzhuva, Kanjikuzhy etc.

Project No 16

Packaging of coconut products -6 projects (Packaging of coconut chips,

Edible copra, frozen coconut meat , coconut shell handicrafts, snowball tender nuts, minimally processed tender coconut) by Indian institute of Packaging, Mumbai -Rs.12.05 lakhs

The committee approved the project with 100% financial assistance under the sub component Development of Technology for Processing and Product Diversification

Project no .17**Residential training programme on packaging of food products & beverages by Indian Institute of Packaging – Rs. 2.25 lakhs**

The committee considered the proposal for residential training programme at IIP for creating awareness about evolving packaging technologies and packaging materials, coding, marking etc. Since the entrepreneurs, small and tiny units the committee decided to extend 100% financial assistance at a total cost of Rs. 2.25 lakhs o for one training programme of 5 days duration for 20 No of participants. The travel expenses will have to be borne by the participants themselves.

Project No.18**Technology transfer in coconut through training and demonstration by Peekay tree crops Development foundation, Kochi Rs.19.80 lakhs**

The committee after considering the project suggested that the facilities available at the TDC, Vazhakulam can be provided for the proposed training programme. The honorarium proposed for external resource persons and their travel expenses also can be funded by the Board. The handicraft training will be considered under Boards regular programme. The party may be informed accordingly.

Project No 19**Project proposal to promote and to generate consumer awareness for the coconut product ‘Preserve and Packed Tender Coconut Water’. West Bengal Awadhoot Agro (p) Ltd.(A joint venture of Government of West Bengal) Regd. office: 5 / 2B Sachin Mitra Lane, Kolkata – 700 003 Rs.33.525 lakhs**

The committee sanctioned 50% of the cost of Market Promotion subject to a ceiling of Rs 10.00 lakhs. Payment will be in reimbursement basis based on the bills and vouchers to be furnished by the promoter. The promoter may be asked to incur the expenditure strictly in accordance with the norms stipulated for market promotion under TMOC.

Project No20**Market promotional activities of tender coconut with minimal processing by Bodhana , Thiruvalla Rs 19.70 lakhs**

The committee suggested that the promoter may start the project on a pilot scale on its own immediately in order to assess the market and ensure the continuous supply of coconut. The committee also authorized the Chairman to sanction the eligible assistance based on the success of the pilot project.. The location map of the kiosks should also be furnished by the promoter before grant of financial assistance.

Project No 21

Malaysia agricultural, horticulture and agro tourism show (MAHA 2006) to be held at Kuala Lumpur from 21-26 November 2006 by coconut development board

The committee decided that the Board need not participate in the exhibition.

Project No 22

Integrated management of coconut mite Dept. of Entomology, College of Agriculture, Junagadh Agricultural University, Junagadh Rs.30.53 lakhs

The committee after careful examination of the revised project observed that the project was not revised as an action research project as decided in the 19th meeting. Further, since the objectives of the project viz. study of population dynamics of mite and screening of varieties against mite resistance has already been covered under the NATP programme, this need not be supported as it is a duplication of effort. The equipments are not in line with the objectives in the project. Moreover, the emphasis should be to evaluate packages suggested earlier. Therefore, the committee decided that if a project to demonstrate the INM/IPM package recommended for management of mite in a compact area in the farmers field is submitted, the project could be considered.

Project No 23

Project proposal for financial assistance for demonstration and adoption of technologies under Technology Mission. By Agricultural Department, ORISSA Rs.25.00 lakhs

The committee after detailed discussion opined that coconut cultivation in Orissa has not properly recovered after the super cyclone. Since the Govt farm is an important organ for demonstration and transmission of technologies for management of pest and disease and since demonstration of approved package has to be taken up to convince the farmers about the profitability of the coconut cultivation and also in view of the extreme backwardness of the state

the Committee decided to approve the project for demonstrating IPM/INM technologies in the department farm for achieving better dissemination of technology to farmer field.

Project No 24

Studies on bio control of stem bleeding disease of coconut in Andhra Pradesh By Agricultural research station, Ambajipetta Rs 8.00 lakhs

The committee did not approve the project, since similar studies have already been conducted by CPCRI and recommendation for disease management is available.

Project No 25

Selection of root wilt resistant elite palms and production of quality seedlings in Pathanamthitta District of Kerala” by CARD – Krishi Vidyan Kendra, Kolabhagom PO, Thadiyoor, Tiruvalla, Pathanamthitta District – **689 545 Rs 10,17,800 /-**

The committee after careful examination is of the view that the proposal for establishment of nuclear seed garden as a part of the project should be deleted. The mother palms finally selected shall be subjected to ELISA test to confirm that they are disease free. The project cost has to be reduced by engaging diploma holders instead of graduates in Agriculture. Further the project should be revised so that the project becomes self supporting with receipts after the project period. The Committee authorized the Chairman to approve the revised project there after.

Project No 26

UPGRADATION OF THE KASARGOD PARAISTE BREEDING STATION UNDER DEPARTMENT OF AGRICULTURE AND MASS PRODUCTION OF BIO CONTROL AGENTS OF COCONUT BLACK HEADED CATERPILLAR, *OPISINA ARENOSELLA* Department of Agriculture, Kerala Rs. 2.0125 lakhs

The committee did not approve the project, since the proposal encourages only development of infrastructure.

Project no 27

Project for management of Black headed Cater Pillar on coconut in Kasaragod District Department of Agriculture, Kerala Rs.5.775 lakhs

The committee after careful examination observed that the project was not submitted through the proper channel. The cost of parasitoids proposed in the project is to cover 10% of the affected palms only. The committee suggested that parasitoids should be released to cover 100%

affected palms. The project should be completed within a realistic time frame and should be done in a farmer participatory mode. Hence the promoter was asked to revise the project and resubmit through the Director of Agriculture, Kerala.

Project no 28

“ SAFEGUARDING COCONUT PLANTATIONS IN TAMIL NADU FROM ROOT WILT DISEASE – A FARMER PARTICIPATORY PROGRAMME “ By Coconut Research Station, Aliyar Nagar Rs .15.617 lakhs

The committee after careful examination decided that the survey should be done by the Department of Agriculture, Tamil Nadu immediately. The duration of the survey should be a maximum of three months. The Department of Agriculture should be asked to submit the revised proposal for the survey for consideration under the regular scheme of the Board for surveys.

Other items:

- 1. Project for setting up of a unit for manufacture of Virgin Coconut Oil at Murigoor, Chalakudy – M/s. Golden Vintage Farmers Industry, Koratty, Trissur at a total cost of Rs.175 lakhs.**

The project was presented by the promoter. The committee after careful examination decided that the project may be considered after obtaining the following details.

- a) Documents proving the ownership of technology and quality of the product
- b) Copy of the land document and the tax receipt.
- c) The project should be forwarded to the bank along with the detailed appraisal report. The bank appraisal received by fax is vague and not seen critically analyzed the project.

- 2. Project for capacity enhancement of coconut shell based activated carbon plant – M/s. Cochin Surfactance Pvt. Ltd., Edayar, Ernakulam at a total cost of Rs.310 lakhs.**

The Committee approved the project subject to the condition that the promoter should furnish the bank appraisal report from the financing institution. 1) The promoter shall furnish the quality and source of the raw material to be produced.

2) Promoter shall furnish the details of export of the product to the Board regularly. This should be included in the MOU.

3) The financial institution should also be a third party to the MOU.

Details should be submitted to the chairman, CDB for approval.

3. Project for Project proposal to study the Milling Industries in Tamil Nadu, Pondicherry and A & N Islands – Department of Agriculture, Economics TANU, Coimbatore. at a total cost of Rs.8.91 lakhs

The Project was presented by Dr. Chandrasekharan, Principal Investigator of the Project. The Committee after detailed discussion approved the project in principle subject to the condition that the following items also to be included in the project.

- a) The study should be limited to Tamil Nadu and Pondicherry only.
- b) The sample size suggested in the project should be increased. Since the sample size is less in Pondicherry complete enumeration should be conducted
- c) Cost of production of coconut, copra should be included.
- d) Price spread studies also to be included taking in to consideration of cost of production and return.
- e) The duration of the project should be reduced to 9 months and the cost reduced proportionately.
- f) The study should come out with definite policy recommendations.

The project shall be recasted accordingly and submitted for approval to the Chairman, CDB.

4. Project proposal for Consumption, Utilization and Marketing of Coconut and its byproducts in Kerala at a total cost of Rs.3.45 lakhs

The Project was presented by Dr. B.A. Prakash, Principal Investigator of the Project. The Committee did not approve the project, since most of the objectives of the study were covered under similar projects approved under TMOC.

5. Project proposal for construction of forecasting model for coconut prices in India, Kerala Statistical Institute, Trivandrum at a total cost of Rs.3,45,000/-

The Project was presented by Dr. R Krishna Pillai, Principal Investigator of the Project. The committee observed that the cost of the project was too high and shall be brought down to the minimum. The duration of the project also should be reduced to 12 months. Weather parameters also should be included as one of the independent variable of the study. Dr. K V. Kasthoori Bai , Principal Scientist ,Head of the Division of Plant Physiology & Post harvest Technology, CPCRI Kasaragod informed that CPCRI has done some studies on development of hypothetical models. Hence the Principal Investigator should review the work done by CPCRI and improve the project. The principal investigator was advised to revise the project accordingly and resubmit to Chairman, CDB for approval.

6. Project for participation in the food festival in Sharjah under market promotion – Coconut Development board at a total cost of Rs8.00 lakhs

The committee approved the proposal for participation in the Food festival at Sharjah in view of the importance of the Gulf market.

7. Automation of tender coconut water processing system for large scale production

The committee ratified the revision of the project from 18 months to 24 months

8. Development of technology for the production of virgin coconut oil by wet processing- Asking for refund of excess payment made to CFTRI, Mysore

The Committee decided to obtain clarification from Director CFTRI.

9. Market promotion of tender coconut water on cluster approach By Secretary, Agriculture urban wholesale market, Kozhikode

A typographical and arithmetical error in the recording of the decision under project No.7, titled “Market promotion of tender coconut water on cluster approach” – held in 19th PAC on 28/04/2006 was brought to the notice of the committee. It was informed that the total cost of the project was 31.525 lakhs and total subsidy approved as Board’s share was Rs.18.875 lakhs, as against Rs. 36 lakhs, and Rs. 18.17 lakhs recorded in the proceedings of 19th PAC meetings. It was proposed to issue an erratum. The committee approved the proposed erratum.

10. Project proposal for market promotion of packed tender coconut water –M/s Shakti Coco products Pollachi, Tamil Nadu at a total cost of 24.00 lakhs

The committee approved the project and sanctioned 50 % of cost of eligible components as per the norms of TMOC limited to a maximum of Rs 9.13 lakhs on reimbursement basis, after deducting Rs 87,000/- already paid to the unit for launching of the product and quality certification.

Rejected Projects

1. Studies on development of IPM Practices against red palm weevil in coconut by pheromones and bio pesticides ,Agriculture Research Station, Ambajipetta at a total cost of Rs.8.00 lakhs

A project has already been sanctioned to PCI, Bangalore for demonstration of Pheromone trap for the management of red palm weevil. One of the demonstration plots is being setup in Andhra Pradesh, covering 100 acre. Hence the Internal Screening Committee did not recommend the project.

2. Survey, identification, documentation and selection of high yielding Ganoderma Disease tolerant and mite resistant elite palms and collection of seed nuts from Arsikere tall cultivar in the maidan tract of Karnataka for commercial production of coconut seedlings by UAS, Bangalore at a total cost of Rs.18.525 lakhs

The project can be referred to CPCRI for expert opinion. DNA finger printing programme should be taken up along with Net working programme. As such ISC did not recommend the project.

3. Demonstration of Organic Farming Technology in Coconut for Sustainable Farming, Coconut Research Station, Balaramapuram at a total cost of Rs.17.32 lakhs

The project does come under the preview of TMOC. Hence the committee did not recommend the project.

4. Laying out demonstration plots for productivity improvement of coconut palms in water logged areas of sathyabadi block of puri district, Orissa at a total cost of Rs.25.20 lakhs

Project does come under the preview of TMOC. Hence the committee did not recommend the project.

Chief Coconut Development Officer
Member secretary PAC