

Proceedings of the 44th meeting of Project Approval Committee (PAC) of Technology Mission on Coconut held at Kochi on 20th January 2015

The 44th meeting of the Project Approval Committee (PAC) on Technology Mission on Coconut (TMOC) was held in the Board Room of Coconut Development Board, Kochi on 20th January 2015. Shri T. K. Jose IAS, Chairman, Coconut Development Board and Chairman PAC chaired the meeting. The list of participants is enclosed.

At the outset, Chairman welcomed the members of PAC thereafter agenda items were taken up.

AGENDA No. 1: Confirmation of the Proceedings of 43rd Project Approval Committee Meeting held on 18th September 2014

The Committee confirmed the proceedings of the 43rd Project Approval Committee Meeting.

AGENDA No. 2: Action taken report on decisions of the 43rd PAC Meeting

The committee perused the action taken on decisions of the 43rd meeting of Project Approval Committee and observed the following points.

- (1) The Action taken report must include a summary stating the number of projects sanctioned by previous PAC along with project cost and subsidy component, in how many projects procedure is completed and what actions are pending (if any).
- (2) Action taken report should be specific, to the point and with dates of each action taken.
- (3) PAC critically reviewed the progress of project of CIT, Vazhakulam for Neera Pilot Plant 2nd Phase “FSSAI Certification for Coconut Neera Pilot Plant and its Operation on a self sustainable basis” and noted that after approval, in spite of sufficient time the FSSAI certification could not be obtained. The Processing Engineer and PI informed that 70% of civil works are completed and the FSSAI Certification will be obtained within March 2015. The PAC recorded its displeasure and unhappiness in the way in which PAC decisions were implemented by Processing Engineer, CIT & PI of the project. PAC noted that way of doing the work of Project Engineer was very indifferent and passive.

AGENDA No. 3: Approval of new project proposals:

1. Coconut Water with Probiotic Properties and Value Addition for Rehydration & Balancing the Beneficial Gut Micro Flora – CSIR – Central Food Technological Research Institute (CFTRI), Mysore, Karnataka

Project Investigator could not present before PAC on health ground.

PAC directed to inform PI to revise the project in accordance with ISC decisions with project duration of 18 months. PI may present revised project in the next PAC.

2. Coconut wood furniture making through training for self help groups (SHG)- Dept. of Wood Science, College of Forestry, Kerala Agricultural University, Vellanikkara, Thrissur

The objectives of the project are as follows:-

- (1) To set up a modern Coconut Wood Workshop-cum-Training Centre, installing advanced machineries for carving and manufacture of utility items such as furniture, interior decorative items, building materials, handicraft items etc., based on coconut wood and to market the finished products so as to popularize the use of coconut wood.
- (2) To impart training in manufacture of the above items to self help groups (SHG) of unemployed youth.

The project was presented before PAC by the PI in detail. After detail discussion PAC decided that:-

- (1) This project could not be considered under Research Project, it could be considered under Training and Demonstration of Technology for making value added products from coconut wood.
- (2) Further the units established by the trainees of the centre could be assisted under adoption of technology for making value added products from coconut wood.
- (3) Centre could be helpful as demonstration plant for the candidates sponsored by the CPCs, CPFs and CPSs instead of SHG.
- (4) This Centre may also work in association with furniture cluster in Kerala and Furniture Consortium of Manufacturers of Wood items.

PAC felt it's a new and innovative idea and approved the project in principle under Technology Demonstration and Pilot Plant for Wood Furniture advising the PI to revise the project incorporating the above points and place in next PAC.

3. Studies on the uses of Coconut Water in Alzheimer’s Disease (AD) – Metabolic Disorders Research Centre, Jagathy, Thiruvananthapuram

The objectives of the project are as follows:-

- (1) To carry out detail studies on the effect of coconut water in Alzheimer’s patients attending the Metabolic Disorders Clinic of the center as compared to age, sex matched healthy controls.
- (2) Experimental animals in which AD has been induced by administration of Aluminium chloride will also be studied.
- (3) If the results of the studies are positive, it is planned to evolve a preparation from coconut water in a form which can be taken by the patients.

The project was presented before PAC by the PI in detail. After detail discussion PAC pointed out that:-

- (1) Project period is very long.
- (2) On clarification of ISC for key factor responsible for AD the PI informed that inositol is the key factor responsible for AD – PAC advised that PI may give reference for work on inositol.
- (3) PI may take up the project on VCO in 1st phase and then tender coconut water in 2nd phase.
- (4) Once the lab studies are over, project may be limited to animal studies and human studies may be taken up separately only after animal studies are completed and positive as a separate follow up project.

PAC decided that PI may change the title of the project by shifting emphasis on VCO and revise the project considering the above point of PAC, restricting the work on lab and animals studies and reducing the project period to 2 years.

4 Setting up of a Desiccated Coconut Powder manufacturing Unit - M/s. Global Food Products, N. S. Kalyana Mandapam, Padiyur (P.O), Kangayam Taluk, Tirupur District, Tamil Nadu

The objective of the project is setting up of a desiccated coconut powder manufacturing unit with a capacity to process 60,000 coconuts per day for producing 6.00 MT desiccated coconut powder per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(Rs. in lakhs)		
Land	Own	...	...
Building & Civil works			
(a) New Construction	16.58	16.58	4.14
(b) Renovation of Building	17.59	17.59	4.40
(c) RO Plant	4.73	4.72	1.18
ETP	11.59	3.02	0.75
Plant & Equipments	131.00	125.79	31.45

Generator	11.20	5.00	1.25
Electrification	9.96	5.48	1.37
Furniture & office equipments	6.10	...	...
Preliminary & Pre op. expenses	5.00	1.78	0.44
Working Capital margin	33.25	...	...
TOTAL	247.00	179.96	44.98

The project was approved with an eligible subsidy of Rs. 44.98 lakhs. The PAC advised the promoter to convert the unit into a Private Limited Company.

5. Setting up of Virgin Coconut Oil Manufacturing Unit - M/s. Krishna Aura Coco Thyle Private Limited, 1/1 F3, Papanasam Road, Mela Ambur Village, Nr. Kila Ambur Railway Gate, Tirunelveli Dt., Tamilnadu

The objective of the project is setting up of Virgin Coconut Oil Manufacturing Unit for processing of 10,000 nuts per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
(Rs. in lakhs)			
Land	61.66	-	-
Building	36.90	36.90	9.22
Machinery	108.10	88.38	22.10
Know-how fee	0.60	0.56	0.14
Contingencies	10.00	...	...
Pre op. expenses	9.24	1.25	0.31
Working Capital	62.40	...	...
TOTAL	288.90	127.09	31.77

The project was approved with an eligible subsidy of Rs. 31.77 lakhs.

6. Setting Up of a Tender Coconut Water Preservation & Packing Unit at Andipalayam, Tirur Dist. - M/s. Ganesh Packing, 117 F, Thaneerpandal Road, BR Puram, Peelamedu, Coimbatore

The objective of the project is setting up of a Tender Coconut Water Preservation & Packing Unit with a capacity to process 5,000 coconuts per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
(Rs. in lakhs)			
Land	Lease	-	-
Building & Civil works - Renovation	20.35	20.35	5.08
Plant & Equipments	61.38	61.38	15.35

Technical know-how	3.90	3.71	0.93
ETP & Disposal system	2.65	2.65	0.66
Furniture & Office equipments	3.24	...	...
Preliminary & Pre op. expenses	1.00	0.88	0.22
Working Capital margin	6.80	...	...
TOTAL	99.32	88.97	22.24

The project was approved with an eligible subsidy of Rs. 22.24 lakhs. The promoter was advised to convert the unit into a Private Limited Company.

7. Setting up of a Tender Coconut Water & Value Added Products Unit - M/s. Zain Industrial Concern, Opp. Old Doons College, Karippol P.O., Malappuram Dist, Kerala

The objective of the project is Setting up of a Tender Coconut Water & Value Added Products Unit (Carbonated Tender coconut water in bottles), tender coconut Halwa and tender coconut Ice Cream with a capacity to process 3,000 tender coconuts per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(Rs. in lakhs)		
Land	Leased	...	...
Building	Leased	...	...
Effluent Treatment system	1.00	1.00	0.25
Plant and Machinery	13.68	13.68	3.42
Electrification	0.45	0.44	0.11
Furniture & Office Equipments	0.25	...	...
Preliminary & Pre-Operative Expenses	0.10	0.10	0.02
Working Capital Margin	1.75	...	...
TOTAL	17.23	15.22	3.80

The project was approved with an eligible subsidy of Rs. 3.80 lakhs.

8. Setting up of an Activated Carbon manufacturing unit at Kallakinarpudur, Palladam Tirupur Dt, Tamilnadu - M/s. G.R. Carbon Pvt. Ltd., Office : 13(3) AB Towers, Police Line Street, Tirupur – Tamil nadu

The objective of the project is setting up of an Activated Carbon manufacturing unit for producing 6 MT Activated Carbon per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(Rs. in lakhs)		
Land	Own	-	-
Building & civil works	90.00	90.00	22.50
Plant & Machinery	282.97	217.00	54.25
Generator	10.53	5.00	1.25
Electrification	16.92	12.50	3.12
Lab Equipments	7.59	7.59	1.89
Furniture & Equmt.	5.00	...	...
Working Capital margin	30.00	...	...
TOTAL	443.01	332.09	Limited to 50.00

The project was approved with an eligible subsidy of Rs. 50.00 lakhs.

9. Setting Up of a Coconut Shell based Activated Carbon manufacturing Plant at Perundurai, Tamil Nadu - M/s. SJN Energy Infrastructure Pvt.Ltd., H.O. - SNB-502, Shipra Neo, Indirapuram, Gaziabad – 201 014, U.P

The objective of the project is setting up of an Activated Carbon manufacturing unit for producing 16 MT Activated Carbon per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(Rs. in lakhs)		
Land 5 acres	170.00	...	...
Site Development , Boundary Wall , Gate Road etc	27.00	...	...
Factory Building	551.40	180.00	45.00
Machinery	519.08	457.00	114.25
Pipe Fittings, ID Fan, Valves & Accessories	10.00	...	...
Laboratory Equipments	30.00	30.00	7.50
Technical know-how	65.00	...	...
Office furniture, Vehicles, equipments and other Misce. Assets	227.00	...	...
Preliminary & Pre op. expenses	40.00	6.67	1.66
Contingencies	50.00	...	...
Working Capital margin money	144.62	...	...
TOTAL	1834.10	673.67	Limited to 50.00

PAC approved the project with an eligible subsidy of Rs. 50.00 lakhs.

10. Setting Up of a Coconut Shell based Steam Activated Carbon manufacturing unit at Hassan, Karnataka - M/s Vision Advance Speciality Carbons Pvt. Ltd, Arasikere TK, Hasan Dist, Karnataka

The objective of the project is setting up of an Activated Carbon manufacturing unit to produce 22 MT Activated Carbon per day.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
(Rs. in lakhs)			
Land	36.35	...	...
Land Development	3.50	...	...
Building	285.00	180.00	45.00
Plant & Machinery	438.65	438.65	109.66
Fork Lift and Pallet Truck	18.72	...	...
DG Set	11.64	5.00	1.25
Transformer & Cescom Charges	19.50	...	...
Lab Equipment	6.25	6.25	1.56
Furniture and Fixture	3.52	...	...
Computer & Accessories	3.73	...	...
Pre-op Expenses	14.75	6.29	1.57
Contingencies	39.53	...	...
Working Capital Margin	60.00	...	...
Total	941.13	636.19	Limited To 50.00

The project was approved with an eligible subsidy of Rs. 50.00 lakhs.

11. Setting up of a Copra Making Unit at Thoduvakuzhy, Onakkor Village, Ernakulam Dist. – M/s Koothattukulam Federation of Coconut Producers Society Thirumarady P.O., Koothattukulam, Ernakulam Dist, Kerala

The objective of the project is setting up a Copra Making Unit at Thoduvakuzhy to process 10,000 coconuts per day to produce copra.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
(Rs. in lakhs)			
Land & Land Dev.(specify)	Leased	...	...
Building & Civil works	10.00	10.00	2.50
Plant & Equipments	14.00	14.00	3.50
Working Capital margin	1.00	...	...
TOTAL	25.00	24.00	6.00

PAC approved the project with an eligible subsidy of Rs. 6.00 lakhs.

12 Setting up of a Copra Making Unit at Thampankadavu, Thalikulam – M/s. Thalikulam Federation of Coconut Producers Societies, Valluvassery (H), Thambankadavu, Thalikulam, Trichur Dist.,Kerala

The objective of the project is setting up a Copra Making Unit at Thampankadavu to process 10,000 coconuts per day to produce copra.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(Rs. in lakhs)		
Land	Leased	...	...
Building & Civil works	10.50	10.50	2.63
Chamber for Dryer (Civil works)	1.50	1.50	0.37
Plant & Equipments	8.55	8.55	2.14
Pre-operative Expenses	0.25	0.20	0.05
Working Capital margin	3.88	...	...
TOTAL	24.68	20.75	5.19

The project was approved with an eligible subsidy of Rs. 5.19 lakhs.

13 Setting up of a Ball Copra Making unit - Shri. Moosa S/o. Kuttu, Kottappurath house, Naduvannur Post , Kozhikode Dist., Kerala - 673614

The objective of the project is to process 160,000 Nos of coconuts per year for making ball copra.

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
	(Rs. in lakhs)		
Land	Own	...	...
Plant & Equipments	0.08	...	...
Platform Dryer	19.12	14.40	3.60
Preliminary expenses	0.10	...	...
Working Capital margin	5.70	...	...
TOTAL	25.00	14.40	3.60

The project was approved with an eligible subsidy of Rs. 3.60 lakhs.

Other Items

- 1. Establishment of one tender coconut parlour by M/s Kera Suraksha Federation of Coconut Producers Society, Malappuram- Ratification of expenditure incurred.**

The PAC ratified the expenditure of Rs.91,010/- reimbursed to M/s Kera Suruksha Federation of CPS, Malappuram for establishment of a tender coconut parlour.

- 2. Setting up of one tender coconut parlour by M/s Onattukara Federation of Coconut Producers Society, Alapuzha, Kerala - Ratification of expenditure incurred.**

The PAC ratified the expenditure of Rs.1,50,000/- reimbursed to M/s Onattukara Federation of CPS, Alapuzha for establishment of a tender coconut parlour.

- 3. Setting up of one tender coconut parlour by M/s Kerasamrudhy Vechoor Coconut Producers Society, Vechoor, Kottayam- Ratification of expenditure incurred.**

The PAC ratified the expenditure of Rs.96,265/- reimbursed to M/s Kerasamrudhy Venchoor CPS, Kottayam for setting up of one tender coconut parlour.

- 4. Project for Evaluating the performance of released coconut hybrids in farmers fields at different districts of Tamilnadu-CRS, Veppankulam – Extension of project period – Ratification – reg.**

The PAC ratified the extension of project period for one year up to 27.10.2015.

- 5. Proposal for Developing Technology for Bottling 100% Pure Tender Coconut Water – Non Thermal Process- reg.**

The project for developing technology for bottling 100% pure tender coconut water by non-thermal process was presented in detail the Shri M. N. Vardarajan, Coimbatore, PI of the project.

After detail discussion the PAC decided that:-

- (1) The Promoter may submit his proposal in a project form for consideration of PAC under Development of Technology.
- (2) Promoter may also establish a unit under Adoption of Technology.

6. Discussion permitted by the chair.

Request of M/s. Agricoles Naturel Foods, Thrissur, Kerala for enhancement of approved project cost

43rd PAC approved the project of M/s. Agricoles Naturel Foods Thrissur, Kerala at a total eligible project cost of Rs.138.08 lakh and eligible subsidy of Rs.34.52 lakh for setting up of Preservation and Packing of Tender Coconut Water unit at Palakkad to process 15,000 coconuts per day for manufacturing Packaged Tender Coconut Water as detailed below:

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
(Rs. in lakhs)			
Land (96 cents)	10.20	...	...
Building (490.62 m ²)	91.00	48.00	12.00
Plant & Machinery	85.00	85.00	21.25
Technical know-how	3.90	3.72	0.93
Electrification	10.00	...	...
ISO-22000/ISO-Certifications	3.00	...	...
Furniture & Office equipments	1.90	...	...
Preliminary expenses	6.00	1.36	0.34
Working Capital margin	19.00	...	...
TOTAL	230.00	138.08	34.52

Request received from M/s. Agricoles Naturel Foods, Thrissur, Kerala for enhancement of approved project cost to consider the components such as cost of ETP Rs.5.20 lakh, Water treatment plant (sand filter and UV unit) Rs.1.00 lakh, cost of Water Storage Tank Rs.2.00 lakh and cost of Electrification works Rs.6.18 lakh; those could not be included in the 43rd PAC. The total amount requested by promoter for consideration in the already approved project cost is Rs.14.38 lakh.

After detail discussion PAC decided that request of M/s. Agricoles Naturel Foods for inclusion of cost of ETP Rs.5.20 lakh, Water treatment plant (sand filter and UV unit) Rs.1.00 lakh, cost of Water Storage Tank Rs.2.00 lakh and cost of Electrification works Rs.6.18 lakh may be considered for inclusion in the project cost and accordingly eligible subsidy enhanced from Rs. 34.52 lakh to Rs. 38.15 lakh as detailed below:

Revised Project Approved by PAC

Components	Total Project Cost	Eligible Project Cost	Maximum Eligible Subsidy
(Rs. in lakhs)			
Land (96 cents)	10.20	...	...
Building (490.62 m ²)	82.80	48.00	12.00

ETP	5.20	5.20	1.30
Water Treatment Plant (Cost of sand filter and UV unit)	1.00	1.00	0.25
Water Storage Tank	2.00	2.00	0.50
Plant & Machinery	85.00	85.00	21.25
Technical know-how	3.90	3.72	0.93
Electrification	10.00	6.18	1.54
ISO-22000/ISO- Certifications	3.00	...	...
Furniture & Office equipments	1.90	...	...
Preliminary expenses	6.00	1.51	0.38
Working Capital margin	19.00	...	...
TOTAL	230.00	152.61	38.15

The meeting concluded by 5.30 PM with a vote of thanks to and from the Chair.

Chief Coconut Development Officer

List of Participants

Sl. No.	Name and Address
A	PROJECT APPROVAL COMMITTEE
1	Shri. T.K. Jose IAS Chairman, Coconut Development Board Kochi, PAC Chairman
2	Dr. Vinayaka Hedge, Head, Crop Protection, CPCRI, Kasaragod <u>Representative of</u> Assistant Director General (Plantation Crops), ICAR, New Delhi
3	Shri. Venkatesh N Hubballi Director, Directorate of Cashewnut & Cocoa Dev., Kochi <u>Representative of</u> Horticultural Commissioner, Govt. of India, New Delhi
4	Shri. M.M. Jose Sr. Marketing Dev. Officer DMI, Kochi <u>Representative of</u> Joint Secretary & Agricultural Marketing Adviser, Govt. of India, New Delhi
5	Dr. A.G. Gopalakrishna Scientist, Department of Lipid Science & Traditional Foods CFTRI (CSIR), Mysore <u>Representative of</u> Director, Central Food Technological Research Institute (CFTRI), Mysore
6.	Smt. Usha K AGM, NABARD, Regional Office, Trivandrum <u>Representative of</u> Chief General Manager, Technical Services, NABARD, Bombay
7	Shri. Sugata Ghose, Chief Coconut Development Officer, Coconut Development Board, Kochi

B	In Attendance
1	Dr. A. K. Nandi Secretary, CDB, Kochi
2	Shri. Hemachandra Deputy Director (Mkg), TMOC Incharge, CDB, Kochi
3	Shri. Sreekumar Poduval Processing Engineer, CDB, CIT, Vazhakulam, Aluva
4	Shri. P. Sabareenathan Finance Officer, CDB, Kochi
5	Shri. K.S. Sebastian Marketing Officer, CDB, Kochi
5	Shri. S.S. Choyal Assistant Director (TMOC), CDB, Kochi
6	Smt. Resmi. D. S. Technical Officer, CDB, Kochi