

Proceedings of the 41st meeting of Project Approval Committee (PAC) of Technology Mission on Coconut held at Kochi on 11th October 2013

The 41st 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 11th October 2013. Shri. T.K. Jose IAS, Chairman, Coconut Development Board and Chairman PAC chaired the meeting. List of participants enclosed

At the outset Chairman, welcomed the members of PAC and experts to the meeting. In his introductory remarks Chairman mentioned that the budget allocation for TMOC programmes (Rs. 10 crores) may not be sufficient for meeting the demand. Additional allocation of Rs. 5 crores has been sought from Ministry of Agriculture. He mentioned that there is a fall in coconut production in the major coconut growing states to the tune of 18% in Tamilnadu to 47% in Karnataka and upto 60% in Andhra Pradesh. Since the rupee value has depreciated, imported palm oil would also be costly. Thus, he said that TMOC support for establishment of units of value added products will help in maintaining the price. Chairman informed the members that the present PAC would consider 15 projects with an outlay of Rs.19.25 crores.

After the introductory remarks agenda items were taken up.

AGENDA No. 1: Confirmation of the Proceedings of 40th Project Approval Committee Meeting held on 25th & 26th June 2013

The Committee confirmed the proceedings of the 40th Project Approval Committee Meeting.

AGENDA No. 2: Action taken report of the 40th PAC Meeting

The committee perused the action taken on the decision of the 40th meeting of the Project Approval Committee. Regarding the project by M/s Nature's First India Ltd , Hosur for processing of Tender Coconut Water which was approved by the 40th Project Approval Committee Meeting, Dr. A.N Srivatsa, Retd Scientist, DFRL reminded to be watchful about the new technology adopted by the unit and suggested close monitoring of the product quality

AGENDA No. 3: Approval of new project proposals:

1. Development of *in vitro* culture techniques through somatic embryogenesis for propagation of elite coconut cultivars - Department of Plant Biotechnology, Centre for Plant Molecular Biology & Biotechnology (CPMB & B), TamilNadu Agricultural University, Coimbatore at a total cost of Rs 32.242 Lakhs.

The project was presented by Dr. Renuka Raman, Assistant Professor, Department of Plant Biotechnology, Centre for Plant Molecular Biology & Biotechnology (CPMB & B), TamilNadu Agricultural University, Coimbatore. She stated that it is attempted to develop *in vitro* culture techniques through somatic embryogenesis for propagation of elite coconut cultivars. She also made a comparison with the ongoing study of CPCRI and informed that somatic embryogenesis is more attractive than organogenesis as a plant regeneration system.

The objective of the project is to standardize the use of different explants and media components on induction of somatic embryogenesis from elite coconut palms, to standardize primary and secondary somatic embryogenesis, maturation and conversion into plantlets for clonal propagation and to evaluate the efficiency of the standardized protocols for multiplication of elite coconut seedlings.

The PAC after detailed discussion suggested that such studies on mass multiplication of elite coconut palms should be supported. One tall Variety, one Green variety and one yellow/orange variety may be selected from the available germplasm at TNAU for selection of explants in the study. The committee suggested to incorporate the following:

1. Title to be changed as “Standardization of *in vitro* culture techniques through somatic embryogenesis for propagation of elite coconut cultivars.
2. Institutional charges to be limited to 10% of recurring cost.
3. Review of literature should be exhaustive, so that standardised protocols already tested for somatic embryogenesis at CPCRI need not be repeated.

Committee approved the project in principle and authorized Chairman, Coconut Development Board to approve the revised proposal if found appropriate, after incorporating the above suggestions.

2. Development of concentrated extract of Viosakatvivaradi (VKV) formulation in VCO and evaluation of its genotoxic and carcinogenic effects - AVP Research Foundation, 136/137, Trichy Road, Ramananthapuram P.O, Coimbatore, Tamil Nadu at a total cost of Rs 5.890 Lakhs

The objective of the project is to develop a concentrated extract of VKV formulation in VCO by repeated heating for 7 times so as to reduce the effective dose in humans from 25 ml to less than 4 ml., to evaluate the presence of polycyclic aromatic hydrocarbons in

concentrated extract of VKV in VCO as an indicator of genotoxicity and carcinogenicity and evaluation of genotoxicity of concentrated extract of VKV in VCO by Comet Assay method.

The committee after discussions approved the proposal at a total cost of Rs 5,88,850, the Boards share being Rs. 2,94,850 lakhs for a period of 6 months. Expert of the committee opined that the clinical studies should also be taken up as 3rd phase and there should be continuity for the project.

3. Development of fermented and unfermented coconut milk based products - CFTRI, Mysore at a total cost of Rs 22.960 Lakhs

The objective of the project is to standardize the preparation of coconut milk based fermented (curd/ shrikhand) and non fermented product like paneer at lab scale level, to determine the shelf life of the developed products by chemical and sensory analysis and to determine the functional attributes (antimicrobial activity/ antioxidant activity) of products developed

PAC approved the decisions of Internal Screening Committee (ISC) and suggested that such projects should be taken up by CDB Institute of Technology itself.

4. Abstraction of Tender coconut water from coconut tree - Department of computer Science and Engineering, BMS College of Engineering, Bangalore at a total cost of Rs.16.320 lakhs

The objective of the project is to estimate the quantity of coconut water present inside tender nut without breaking the nut, to develop correlation with different methods of estimating the quantity of fluid present in coconut at various stages growth and determine the best and optimal method of determination.

PAC approved the decisions of ISC not to fund the project since the committee observed that the study is not of much relevance and not of commercial utility and also estimating the tender nut water is not a critical handicap in tender nut water processing industry.

5. Standardizing tissue culture procedure for coconut - Vanavarayar Institute of Agriculture, Pollachi Tamilnadu at a total cost of Rs. 28.593 lakhs.

The objective of the project is to refine and improve the callus induction protocol through plumule culture, to produce plantlets through organogenesis as well as embryogenesis, and to assess the genotypic differences in their response to tissue culture.

PAC suggested that detailed discussion may be held with the PI to assess the institute's capability with regard to infrastructure and technical man power in the concerned discipline to take up such long term research which can produce fruitful results and also the possibility of taking up the study in amalgamation with TNAU (Centre for plant and molecular science and biotechnology). – (Agenda -3, para-1) considering similar nature of the study.

6. Setting up of a Tender coconut packing unit at Tirupur Dist - M/s. Pure Tropic, SF No. 220, Virumandam Palayam Village & Post, Chengapallai Via, Avinashi Tk, Tirupur Dist, Tamil Nadu at a total cost of Rs 686.000 lakhs.

The objective of the project is setting up of processing and packing of tender coconut water unit with a capacity to process 50000 tender coconuts per day for packing 12500 litres of tender water per day.

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------------------------|--------------------|-----------------------|-------------------------------|
| | (₹ in lakhs) | | |
| Land | Own | - | - |
| Plant & Equipments | 400 | 127.45 | 31.86 |
| Building & Civil works | 200 | 150.00 | 37.50 |
| Preliminary & Pre op. expenses | 20.00 | - | - |
| Working Capital margin | 66.00 | - | - |
| TOTAL | 686.00 | 277.45 | limited to 50.00 lakhs |

The project was presented by the Promoter and it was informed that 60000 tender coconut tetra packs of 330 ml/day shall be produced. Committee opined that the byproducts like kernel and husk also may be commercially utilised.

The project was approved with a maximum eligible subsidy of Rs.50 lakhs.

7. Setting up of a unit for Preservation and packing of Tender coconut water at Maddur, Mandya Dist, Karnataka - M/s. Pamposh Foods India Pvt Ltd., Reg. Office – B1, B2, B3, Basement, 09, Locak Shopping Centre, Allied bhawan, Madangiri, New Delhi at a total cost of Rs 425.000 Lakhs.

The objective of the project is setting up of processing and packing of tender coconut water unit with a capacity to process 30000 tender coconuts per day for packing 7500 litres of tender water per day.

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------------------------------|---------------------------|------------------------------|---------------------------------|
| | (₹ in lakhs) | | |
| Land (5460 sq. mt.) | 88.00 | - | - |
| Plant & Machinery | 205.00 | 205.00 | 51.25 |
| Building & Civil works (6500 sq.ft.) | 66.00 | 66.00 | 16.50 |
| Technical know-how | 3.90 | 3.90 | 0.975 |
| Electrification | 14.00 | - | - |
| ISO Certification | 2.00 | - | - |
| Furniture & office equipments | 3.10 | - | - |
| Preliminary & Pre op. expenses | 5.00 | 2.70 | 0.67 |
| Working Capital margin | 38.00 | - | - |
| TOTAL | 425.00 | 277.76 | limited to 50.00 lakhs |

Since the party has yet to avail the bank loan and technology transfer, the PAC authorized Chairman to sanction the eligible subsidy as and when all the required documents are submitted.

8. Setting up of a Desiccated Coconut Manufacturing unit at Thenkurissi, Palakkad Dist.- M/s. Maharaja Eco Products, Chukkamkonam, Thenkurissi, Palakkad, Kerala at a total cost of Rs.156.600 Lakhs

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

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------------------------|---------------------------|------------------------------|---------------------------------|
| | (₹ in lakhs) | | |
| Land | 27.84 | - | - |
| Plant & Equipments | 43.81 | 41.31 | 10.323 |
| Building & Civil works | 71.55 | 47.00 | 11.75 |
| Preliminary & Pre op. expenses | 4.30 | 1.12 | 0.28 |
| Working Capital margin | 9.10 | - | - |
| TOTAL | 156.60 | 89.43 | 22.353 |

The project was presented by the Promoter. Chairman suggested that the unit may be converted to a Private Limited Company for raising equity, tax exemption and to bring in efficiency and system in operation of the unit and also to take up measures for waste treatment.

However PAC advised to have a relook into the project cost with respect to capacity and compare costing with other DCP units and norms of TMOC. The project was approved in principle and authorized Chairman to sanction the eligible subsidy.

9. Setting up of Desiccated coconut powder manufacturing unit - M/s.Aishwarya Agro Products, Sy.No.138, Tiptur-Halkurke Road, Geddalahally, Near K.R.S. Products, Tiptur, Tumkur dist., Karnataka. at a total cost of Rs. 129.630 lakhs

The objective of the project is setting up of a desiccated coconut powder manufacturing unit with a capacity to process 50000 coconuts per day for producing 5 MT desiccated coconut powder per day.

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|---------------------------------------|---------------------------|------------------------------|---------------------------------|
| | (₹ in lakhs) | | |
| Land | Own | - | - |
| Plant & Equipments | 90.00 | 81.675 | 20.418 |
| Building & Civil works | 29.00 | 29.00 | 7.250 |
| Other fixed assets | 3.15 | - | - |
| Other deposits | 0.30 | - | - |
| Preliminary & Pre operative. expenses | 0.10 | 0.10 | 0.025 |
| Working Capital margin | 7.08 | - | |
| TOTAL | 129.63 | 110.775 | 27.693 |

The project was presented by the Promoter. Chairman suggested that the unit may be converted to a Private Limited Company for raising equity, tax exemption and to bring in efficiency and system in operation of the unit.

However PAC advised to have a relook into the project cost with respect to capacity and compare costing with other DCP units and norms of TMOC. The project was approved in principle and authorized Chairman to sanction the eligible subsidy.

10. Setting up of Desiccated coconut powder manufacturing unit - M/s. Prajwal Food Tech Sy No. 139/1, Gedlehally Village, Halkurke Road, Tiptur Tq., Tumkur Dist, Karnataka at a total cost of Rs. 133.600lakhs

The objective of the project is setting up of a desiccated coconut powder manufacturing unit the capacity with a capacity to process 50000 coconuts per day for producing 5 MT desiccated coconut powder per day.

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|------------------------|--------------------|-----------------------|--------------------------|
| | (₹ in lakhs) | | |
| Land | Own | - | - |
| Plant & Equipments | 76.65 | 76.65 | 19.163 |
| Building & Civil works | 43.00 | 43.00 | 10.75 |
| Pre op. expenses | 0.10 | 0.10 | 0.025 |
| Other fixed Assets | 3.15 | - | - |
| Deposits | 0.30 | - | - |
| Working Capital margin | 10.40 | - | - |
| TOTAL | 133.60 | 119.75 | 29.938 |

The project was presented by the Promoter. Chairman suggested that the unit may convert to a Private Limited Company for raising equity, tax exemption and to bring in efficiency and system in operation of the unit.

However PAC advised to have a relook into the project cost with respect to capacity and compare costing with other DCP units and norms of TMOC. The project was approved in principle and authorized Chairman to sanction the eligible subsidy.

11. Setting up of a Desiccated Coconut powder unit - M/s.S.L.N.Agro Tech, Gedlehalli, Halkurke Road, Sy.No. 144/1,KathaNo.177, Byranayakanahalli Post, Tiptur, Tumkur, Karnataka at a total cost of Rs. 73.500 lakhs

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------------------------|--------------------|-----------------------|--------------------------|
| | (₹ in lakhs) | | |
| Land & Land Dev. | - | - | - |
| Building & Civil works | 30.00 | 30.00 | 7.50 |
| Plant & Equipments | 28.64 | 28.64 | 7.16 |
| Furniture & fixture | 1.00 | - | - |
| Pre op. expenses | 1.00 | 0.586 | 0.146 |
| Deposits | 2.00 | - | - |
| Interest during implementation | 1.86 | - | - |
| Working Capital margin | 9.00 | - | - |
| TOTAL | 73.50 | 59.226 | 14.806 |

Chairman suggested that the unit may convert to a Private Limited Company for raising equity, tax exemption and to bring in efficiency and system in operation of the unit.

However PAC advised to have a relook into the project cost with respect to capacity and compare costing with other DCP units and norms of TMOC. The project was approved in principle and authorized Chairman to sanction the eligible subsidy.

12. Setting up of a Coconut shell charcoal unit at Theni - M/s. Core Clay Pvt Ltd., 3/88A, Near Elliai Koil, Velayudhapuram, Gandamanur Post, Aundipati Taluk, Theni Dist, Tamil Nadu at a total cost of Rs. 45.540 lakhs

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

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------------------------|---------------------------|------------------------------|---------------------------------|
| | (₹ in lakhs) | | |
| Land | Own | - | - |
| Building & Civil works | 11.54 | 11.54 | 2.885 |
| Plant & Equipments | 31.00 | 31.00 | 7.75 |
| Preliminary & Pre op. expenses | 2.00 | 0.425 | 0.106 |
| Working Capital margin | 1.00 | - | |
| TOTAL | 45.54 | 42.965 | 10.741 |

The project was approved with a maximum eligible subsidy of Rs.10.741 lakhs.

13. Setting up of Coconut Shell powder unit - M/s. Coco Shell Agro Product, 11-Sakthi Co-op. Industrial Estate, Udumalpet Road, Pollachi, Tamil Nadu. at a total cost of Rs.52.500 lakhs

The objective of this project is setting up of a unit for processing 7 MT of coconut shells per day for producing 6.60 MT of coconut shell powder.

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------------------------|--------------------|-----------------------|--------------------------|
| (₹ in lakhs) | | | |
| Land | Lease | - | - |
| Building | Lease | - | - |
| Plant & Equipments | 50.00 | 50.00 | 12.50 |
| Preliminary & Pre op. expenses | - | - | - |
| Working Capital margin | 2.50 | - | |
| TOTAL | 52.50 | 50.00 | 12.50 |

The project was approved with a maximum eligible subsidy of Rs.12.50 lakhs.

14. Setting up of ball copra making unit - S/Shri Appana Venkata Raju & Appana Sudhakar Rao, Machavaram Panchayath, Ambajipeta Mandal, E.G. Dist, A P. at a total cost of Rs.31.000 lakhs

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|------------------------|--------------------|-----------------------|--------------------------|
| (₹ in lakhs) | | | |
| Land | Own | - | - |
| Building & Civil works | 31.00 | 31.00 | 7.75 |
| Total | 31.00 | 31.00 | 7.75 |

The project was approved with a maximum eligible subsidy of Rs.7.75 lakhs.

15. Expansion of existing Desiccated Coconut manufacturing unit - M/s. Mahavir Coconut Industries, Factory – 9th KM, BH Road, Mallasandra, Tumkur, at a total cost of Rs. 90.00 lakhs

The objective of this project is setting up of a unit for Desiccated Coconut –to process from 80,000 to 1,10,000 coconuts per day (from 80 MT to 110 MT)

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------------|--------------------|-----------------------|--------------------------|
| (₹ in lakhs) | | | |
| Land | Own | - | - |
| Plant & Equipments | 90.00 | 90.00 | 22.50 |
| Building | - | - | - |
| Working Capital | - | - | - |
| TOTAL | 90.00 | 90.00 | 22.50 |

The project was approved with a maximum eligible subsidy of Rs.22.50 lakhs

16. Market Promotional Programme - for promoting Coconut Kernel Products (Coconut milk, cream, desiccated coconut powder) under the brand names “Coco Magic and Arogya” - M/s Holista Tranzworld Ltd, 6/18, Casa Bianca, IVth Floor, Casa Major Road, Egmore Chennai – 600008 at a total cost of Rs. 24.46lakhs

| S. No. | Component | Amount (In lakhs) | |
|--------------|--|-------------------|------------------|
| | | Cost | Eligible subsidy |
| I | Trademark registration (India). | 00.36 | - |
| II | Trademark registration (UAE, Indonesia, Vietnam, Malaysia, Thailand, Philippines). | 17.00 | - |
| III | Website. | 2.00 | 1.00 |
| IV | Catalogue | 0.60 | 0.30 |
| V | Free Trade Zone | 2.50 | - |
| VI | Certifications | 2.00 | 1.00 |
| Total | | 24.46 | 2.30 |

The project was approved with a maximum eligible subsidy of Rs.2.30 lakhs. However PAC opined that under market promotional programme of TMOC, more emphasis should be given for generic promotion of products in future rather than brand promotion.

Other Items

1. Proposal for reimbursement of Expenditure for participation in international Exhibition

PAC sanctioned Rs.46,455/- (Rupees Forty six thousand four hundred and fifty five only) under the head “TMOC-Market Promotion” towards reimbursement of 50% of the travel expenses to M/s Holista Tranzworld Ltd, Chennai for participation in Summer Fancy Food show, Washington, USA during 2012-13.

2. Manufacturing Carbonized shells lumps and granules - M/s. Vishnu Industries, Vinayakanagar, Tiptur at a total cost of Rs.34.57 lakhs

| Components | Total Project Cost | Eligible Project Cost | Maximum Eligible Subsidy |
|--------------|--------------------|-----------------------|--------------------------|
| | (in lakhs) | | |
| Land | 5.00 | - | - |
| Building | 14.50 | 14.50 | 3.625 |
| Machinery | 23.517 | 15.156 | 3.789 |
| TOTAL | 34.57 | 29.656 | 7.414 |

The project was approved with a maximum eligible subsidy of Rs.7.414 lakhs. However PAC opined that henceforth revision of project cost/ addition of machineries need not be entertained from promoters till the original project approved by PAC is completed and the subsidy granted is fully availed.

3. Establishment of one tender coconut parlour and to sale tender nuts collected from the members of the Coconut Producers Society and other coconut- based products – ratification of the expenditure incurred

PAC ratified the expenditure of Rs. 52405/- incurred towards the expenditure incurred for establishment of tender coconut parlour and sale of tender nuts to Kerashree Coconut Producers Society, Trivandrum

4. Establishment of one tender coconut parlour and to sale tender nuts collected from the members of the Vanitha CPS –ratification of the expenditure incurred

PAC ratified the expenditure of Rs. 1,49,608/- incurred towards the expenditure incurred for establishment of tender coconut parlour and sale of tender nuts to Vanitha CPS, Pananchery Panchayat, Thrissur .

Other decisions:

1. Chairman briefed about the concept of Coconut Development Board Institute of Technology (CIT) to the committee members. Dr. Dr. M. Aravindakshan, Former Chairman, CDB and Coordinator, Centre for Environmental Studies Amrita Viswa Vidyapeetham University, Coimbatore welcomed the idea and stated that it is the need of the hour to undertake such trainings and certificate courses by the Board directly. He also ensured to explore the possibility for affiliation of such courses with Amritha School of Engineering and Management Studies.
2. Committee decided that for the small scale coconut products developed by CFTRI, pilot units can be set up at TDC, Vazhakulam or at CPF/ Company level for demonstration and training.
3. The pilot plant for the technology developed for effluent water treatment for desiccated coconut industry by Dept. of Chemical Engineering, IISc, Bangalore should be set up at one of the DC units.
4. It was decided that a standardised recommendation has to be formulated for Desiccated powder manufacturing unit cost for building and machinery based on the installed capacity of the unit.

5. Shri. C. P Appanna briefed the Farmers Technology Transfer Programme of NABARD wherein assistance can be availed by the entrepreneurs or farmer groups viz CPS/ CPF or companies for setting up of pilot plants for the technologies developed by various research institutions for demonstration. Details may be circulated among entrepreneurs and CPS/CPF.

6. Chairman informed that Kerala Financial Corporation, is also having a similar programme under KSEDM through which an interest free loan for 5 years is granted for a loan upto Rs. 20 lakhs. The scheme is for young entrepreneurs between the age group of 18-40 years with education qualification of 10+2 level. KFC also support new ventures with low interest loans ie upto10 crores @ 8-9% and upto 20 crores with 9-10%. Details may be circulated among entrepreneurs and CPS/CPF.

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

Dr. K.Muralidharan
Director

List of Participants

| S.No | Name and address |
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| A | MEMBERS |
| 1 | Shri. T.K. Jose IAS Chairman, Coconut Development Board |
| 2 | Dr. D.L Maheswar Director of Horticulture, Deptt. of Hort, Karnataka <u>Representative of</u> Secretary (Horticulture) Government of Karnataka, Karnataka Government Secretariat, Multistoried building, Illrd Stage, IVth Floor, Dr. Ambedker Veedhi, Bangalore. |
| 3 | Dr. V. Krishna Kumar Head, CPCRI (R.S) Kayamkulam <u>Representative of</u> Assistant Director General (Plantation crops) Indian Council of Agriculture Research (ICAR), Krishi Anusandhan Bhavan –II, Pusa, New Delhi-110 012 |
| 4 | Sri. V.V. Pushpangadhan, Additional Director of Agriculture(Crop Production) Department of Agriculture, Government Secretariat, Thiruvananthapuram <u>Representative of</u> Secretary (Agri), Govt. of Kerala Thiruvananthapuram |
| 5 | Shri.C.P Appanna, General Manager, NABARD, Mumbai <u>Representative of</u> Chief General Manager, Technical Services, Investment Credit Department, 3 rd Floor, B Wing, NABARD, Plot No. C –24, G Block Badra – Kurla Complex, Post Box No.8121, Bombay |
| 6 | Sri.Dr. Anilkumar R, Asst. Agricultural Marketing Adviser, Directorate of Marketing & Inspection (DMI), Regional Office, Block 'A', 6 th floor, Kendriya Bhavan, Kakkanad, Kochi – 682 037. <u>Representative of</u> Joint Secretary & Agricultural Marketing Adviser to Govt. of India, Room No.237, Krishi Bhavan, New Delhi. |

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| 7 | Dr. K.S.M.S Raghavrao, Chief Scientist, Deptt. of Food Engg., Central Food Technological Research Institute, Mysore. |
| 8 | Sri.B. Govindan Potty, Chief Manager, Indian Overseas Bank, Regional Office, M.G Road, Ernakulam- 682 016 Representative of Chief General Manager, Indian Overseas Bank, Bangalore city Branch, Gandhi Nagar, Bangalore. |
| 9 | Shri.Sugata Ghose, Chief Coconut Development Officer, Coconut Development Board, Kochi |
| B | EXPERTS |
| 10 | Dr. A.N. Srivatsa, Retd.Scientist(DFRL), 411, A & B Block, Navilu Road, Kuvempu Nagar, Mysore – 570 023. |
| 11 | Dr. M. Aravindakshan Former Chairman, CDB Coordinator, Centre for Environmental Studies Amrita Viswa Vidyapeetham University, Coimbatore |
| C | In Attendance |
| 12 | Dr. K. Muralidharan, Director Coconut Development Board, Kochi |
| 13 | Shri. Sreekumar Poduval Junior Processing Engineer, CDB, Kochi |
| 14 | Shri. Sabareenathan Finance Officer, CDB, Kochi |
| 15 | Smt. Jayashree A , Senior Technical Officer Coconut Development Board, Kochi |
| 16 | Smt. Resmi. D. S, Technical Officer, Coconut Development Board, Kochi |

Shri.C.P Appanna, General Manager, NABARD, Head Office, Mumbai; Dr. K S M S Raghavrao, Chief Scientist, Deptt. of Food Engg., Central Food Technological Research Institute, Mysore; Dr. D.L Maheswar, Director of Horticulture, Govt. of Karnataka; Dr. V. Krishna Kumar, Head, CPCRI (R.S) Kayamkulam; Sri.V.V. Pushpangadhan, Additional Director of Agri (Crop. Production), Department of Agriculture, Govt. of Kerala; Dr. Anilkumar R, Asst. Agricultural Marketing Adviser, Directorate of Marketing & Inspection(DMI), Kakkanad, Kochi; Sri. B Govindan Potty, Chief Manager, Indian Overseas Bank, Regional Office, M.G. Road, Ernakulam , Shri. Sugatha Ghosh, Chief Coconut Development Officer, Coconut Development Board (CDB), Kochi, and Dr. K. Muralidharan, Director,CDB attended the meeting. Dr. A.N Srivatsa, Retd. Scientist (DFRL), & Dr. M. Aravindakshan Former Chairman, CDB attended the meeting as invited experts.