

PROJECTS FUNDED UNDER TECHNOLOGY MISSION ON COCONUT

B. ONGOING PROJECTS

No	Name of the Project	Institutions	Year of sanction	Cost of the Project	Amount sanctioned by PAC	Amount released	Objective	Status
1	RESEARCH PROJECTS UNDER TMOG							
1	Impact of Coconut Oil as a cooking medium on cardiovascular risk factors and clinical outcomes in patients with coronary artery disease receiving standard medical care; A randomized case controlled study with polyunsaturated sunflower oil"	Dr.M.Vijaykumar, Department of Cardiology, Amrita Institute of Medical Sciences and Research Centre, Kochi	2007-08	119.62	56.19	42.58	To compare the effects of coconut oil as dietary cooking medium on serum lipids, glylcemic indices, antioxidant defense status and vascular endothelial function in patients with established coronary artery disease undergoing standard medical therapy and compare this with patients consuming sunflower oil based dietary regimen.	The study is being conducted in patients with established coronary artery disease receiving standard medical treatment and who meets the inclusion criteria are enrolled in the study. The study design is randomized, single blind, case controlled pilot study. Cardiac evaluation is done with ECG, Echo cardiogram with tissue Doppler tread mill test and study specific follow ups are scheduled on 3,6,12,18 & 24 months. The collected data is being analyzed using SPSS statistical software.
2	Scaling up the production of planting material from coconut root (wilt) disease resistant palms through plumule culture.	Dr.Anitha Karun, Principal Scientist (Horticulture Biotechnology)	2009-10	68.95	47.26	42.53	To refine the coconut plumule culture protocol for achieving higher multiplication rate, to study the seasonal variation for plantlet recovery and ex vitro establishment, enhancing production of coconut plantlets from released varieties viz. Chowghat Orange Dwarf (COD), Kerachandra (PHOT), West Coast Tall (WCT) and Chandra Sankara (COD X WCT) Kalpa Raksha (MGD) through plumule culture and to study the genetic uniformity among the plumule culture derived plantlets using molecular markers.	Various combinations of media were tried and the protocol was refined to get 3-4 healthy plantlets from single explant. Effects of Thidiazuron and polyamines on high frequency callus induction and somatic embryogenesis from coconut plumule explants have been studied. On an average of 12-18 soamtic embryos were obtained from plumule explants, the inter se work was repeated in 18 MGD palms at CDB farm, Neri Mangalam from January 2011 to May 2011. April was found to be the best month to get maximum embryo germination percentage and callus induction (1 year data), Protocol refinements for somatic embryogenesis in dwarf varieties is in progress. On an average 12-18 somatic embryos were obtained from one plumule. Experiments are also in progress for conversion of abnormal structures into normal plantlets.

2		PROJECTS FOR DEVELOPMENT OF TECHNOLOGIES UNDER TMOC						
a. <i>Pest & Disease Management</i>								
1	Establishment of Biological Control Laboratory at Regional Office, CDB, Bangalore for the Biological Suppression of Coconut Leaf Eating Caterpillar in Karnataka	CDB, R.O, Bangalore	2003-04	42.00	42.00	40.34	To mass produce quality biological control agents- <i>Goniouzus nephantidis</i> and <i>Cardiastethus exiguus</i> . Laying out of large scale demonstration plots in hot- spot areas. To demonstrate the effectiveness of biological control methods of pest management and integrating it with nutrition and water management. To impart training to farmers on integrated pest and disease management of coconut giving more emphasis on the adoption of biological control measures. To mass- produce other bio-control agents after mid term appraisal by utilizing the facilities created.	The parasite breeding lab attached to ROB is well established with all necessary infrastructure facilities and equipments for mass production of eggs, larvae and multiplication of parasites (<i>Goniouzus nephantidis</i>). The project has been extended upto March 2013.
2	Quick detection of root wilt diseases of coconut using molecular kit	CPCRI, Kasaragod	2009-10	57.51	52.99	43.54	Development and application of molecular based detection kit for root wilt disease in coconut	The characterization of Phytoplasma associated with Root wilt disease has been completed 2.Phytoplasmal DNA extraction from disease affected palms has been standardized to a much easier way and the PCR protocol has been modified. 3. Molecular detection of Phytoplasma from embryo's has been done in symptomatic and non symptomatic palms. 4. Evaluation of seasonal variation of phytoplasma was also done through PCR and is found that amplification efficiency is higher in December.

3	Mass multiplication of Parasitoids, Predators, Bio-Agents and large scale demonstration of Biological control of major insect pest and diseases of Coconut in Andhra Pradesh	Horticultural Research Station, Ambajipeta, Andhra Pradesh Horticultural University	2010-11	14.44	14.44	10.36	Mass production of parasitoids ie. Bracon hebetor, Goniozus nephantidis, Brachymeria nosatoi, Predator Cardiastethus exiguus and Bio-agents viz. Metarhizium, T.viride, T.harzianum, T.hamatum (fungal bio-agents), Pseudomonas fluorescens (Bacterial bio-agents) and baculovirus (viral bio-agent) and large scale demonstration of biological control of insect pests and diseases of coconut in farmer's gardens.	Project initiated in March 2011. All the parasitoids are being mass multiplied in the bio control lab, Ambajipetta. Large scale demonstrations going on.
4	Project for 'Identifying the pheromone synergists of coconut red palm weevil Rhyncophorus ferrugineus'	CPCRI, Kasargod	2010-11	17.33	17.33	8.36	To identify the components present in head space volatiles from coconut palm that stimulates the olfactory receptors in R. ferrugineus antennae, to characterize the behaviour of R. ferrugineus adults to pheromone synergists, to assess the performance of the developed multicomponent blend in release devices at field level.	Project initiated in April 2011. Physiologically active compounds from host identified. Blends prepared based on volatiles present in head space of host volatiles and their physiological response in antennae of red palm weevil. Assay revealed that C blend with pheromone attracted more weevils
5	Large scale procurement of seed nuts from superior dwarf by screening and identification In Southern Zone of Kerala	Kerala Agricultural University, Onattukara Regional Agricultural Research Station, Kayamkulam	2011-12	13.43	13.43	2.36	Large scale procurement of seed nuts for the production of seedlings (30000 dwarf nuts) with comparative tolerance stress conditions.	Project initiated in June 2011. Survey for identification of superior dwarf palms of COD and CGD in Kollam and Alappuzha districts is progressing. 1152 COD seednuts and 321 CGD seednuts were sown during the period and observations on germination and seedling characters were recorded

6	Development of effective and safe chemical module against post harvest diseases of coconut and demonstration of developed module in farmer's conditions.	Horticultural Research Station, Andhra Pradesh Horticultural University, Venkatramannagudem, West Godavari, AP	2011-12	20.68	20.68	12.22	To identify effective chemicals against post harvest diseases under varied storage structures, to develop cost effective module to manage post harvest diseases in coconut, to study the bio safety measures by using mammals (Rabbits / Rats), to calculate cost benefit ratio and economic analysis and to demonstrate the developed chemical management package against post harvest disease in farmers gardens.	Project initiated in November 2011.maintained Chemical preservatives such as Glacial acetic acid, menadione Benzoic acid, L ascorbic acid, and combination of benzoic acid and menadione in different concentrations were used. A combination of Mendione (400 ppm) and Benzoic acid (1000 ppm) showed complete inhibition of all major mycoflora.
b. Product Development								
1	Project for development of existing coconut fibre peeling (De-husking) machine	Process Ekuipment Engineers, Process Nagar, Coimbatore	2008-09	5.66	5.66	4.71	To refine the present Dehusking Machine through reduction of noise and standardization of springs to suit any kind of coconut for de-husking. To make it a standardized product with easy available spares and by integrating the roller and feeder assembly into a cast iron assembly reducing some number of bolts and nuts used. To increase the life of the machine by replacing MS Parts of machine with cast iron parts wherever possible. To increase the dehusking efficiency and dehusk at least 10 numbers of coconuts per minute irrespective of size.	The project has been completed and the existing fibre peeling (Dehusking) machine has been modernized. Patenting awaited.
2	Synthesis and characterization of value added products from coconut oil	Indian Institute of Science, Bangalore	2009-10	75.87	75.87	70.81	To develop and deliver marketable, completely biodegradable coconut oil based value added industrial lubricants like Grease and Metal cutting fluids. In addition to the proposed work, 2-stroke and 4-Stroke lubricants work would be explored further for local markets.	The synthesis of Ca, Na, Li soaps for grease and optimization of emulsifiers for metal cutting operations have been completed. The project was focused on developing coconut oil based grease and metal cutting oils for commercial application. Patenting initiated.

3	Pilot trial on large-scale vermicomposting of tender coconut waste	Horticultural Research Station, Andhra Pradesh Horticultural University, West Godavari Dt, AP	2010-11	3.29	3.29	1.65	To standardize the large scale vermicomposting of tender coconut waste.	Progress report awaited.
4	Generation of xylooligosaccharides from green coconut husk for augmenting gut health and function	National Institute of Animal Nutrition, Bangalore	2011-12	40.06	40.06	17.91	To generate xylooligosaccharides from green coconut husks, to purify and characterize the xylooligosaccharides and to elucidate the prebiotic potentiality / therapeutic value of xylooligosaccharides.	Green coconut husks were found to contain 15.4% hemicellulose indicating its future application for sculpturing xylan i.e. precursor for xylooligosaccharides. Steam Application coupled with either sodium hydroxide or potassium hydroxide made complete recovery of xylan from palm press fiber. FTIR analysis of xylan is also being carried out.
5	Development of Technology for Production of Health Foods from Tender & Mature Coconut	Department of Lipid Science & Traditional Foods, CFTRI, Mysore	2011-12	20.90	20.90	17.64	To provide a ready to reconstitute Nutraceutical retained dehydrated product from tender and mature coconut water, to provide a ready to use Nutraceutical retained food supplement (instant powder) from tender and mature coconut meat and to utilize above products in preparation of two ready to eat/drink health foods.	Project initiated in October 2011. The tender, mature coconut water, meat and copra were examined for various physiochemical characteristics. The products were examined for nutraceuticals content and composition and the major being phenolic compounds and minerals which might be responsible for unique health benefits from coconut. The water is also being examined for growth factors and nucleic acids content and attempt is being done to retain all these natural compounds in the products that are envisaged in the product. Preparation of nutraceutical concentrate and coconut oil enriched with nutraceuticals and products useful for incorporation in health foods are under progress. Protein and nucleic acid content in total solids of coconut water was analyzed. The amount of protein was found to be more and it masks the very small quantity of nucleic acids present in coconut water. The experiment is being repeated.

6	Investigations and development of technology for desiccated coconut industry effluent water treatment	Dept. of Chemical Engineering, IISc, Bangalore	2011-12	12.62	12.62	8.21	To develop reliable treatment and monitoring methods for coconut processing industry effluent water, to characterize the effluent water of the desiccated coconut industry, to develop an environment friendly effluent treatment process for desiccated coconut industry, to explore alternate byproducts from coconut water and to evolve good sanitary practices for the industry.	Project initiated in October 2011 and is progressing.
7	Molecular action of Cocos nucifera water on γ radiation induced oxidative damage and cellular signaling	University College of Science & Technology University of Calcutta, APC Road, Kolkata.	2011-12	9.05	9.05	4.52	To study radio protective effects of coconut water in in vitro systems like DNA and cell lines and identify the actual radio protective compound in coconut water and characterize the same.	Project initiated in February 2012. Completed all relevant assays for characterization to justify the radio protective action of Coconut water Study has shown tht coconut water extract protects DNA strand breaks and inhibits gamma radition induced single strand breaks. It is reported that coconut water extract shows good antioioxidant activity, reducing power, free radical scavenging activity. Phytochemicals screening of crude extract reveals presence of flavanoids, saponins, tannins.

8	Development of Low Fat Nutritionally Rich Delicious Fresh Tender Coconut Cream.	SCMS Institute of Bioscience and Biotechnology Research and Development, SIBB R&D), Management House, South Kalamassery, Cochin	2012-13	34.29	34.29	23.11	To utilize the low fat endosperm and the tender water for the preparation of a nutritious low fat cream, compositional analysis of the endosperm, tender water and the cream, standardization of the protocol at each step based on the flow chart, optimization of the process parameters viz, efficacy of grinding, tender water - endosperm ratio; sweetener concentration; concentration of preservatives; packing & storage and stability tests, oral Toxicity analysis of the product, studies on the possibility of storage at room temperature using modern technologies and microbial analysis as per the food quality tests.	Project initiated in May 2012.
9	Enrichment of coconut chips as a functional food	Department of Food Science and Technology, Pondicherry University, Puducherry	2012-13	8.16	8.16	4.08	Standardization and estimation procedure for various phytochemical in related produce which are to be used as functional food, to develop a variety of coconut chips by intercropping related produce, to analyze the nutrient and phytochemical content of the developed coconut chips so as to highlight its various functional food characteristics, to evaluate the sensory attributes of the developed coconut chips and to select the suitable packaging material for increasing the shelf life of developed chips.	Project initiated in July 2012.report awaited

10	Techno-economic feasibility of coconut wood canoes for small scale fisheries sector in the south west coast of India and Lakshadweep	Central Institute of Fisheries Technology, Matsyapuri, Kochi	2012-13	52.60	52.60	14.17	To standardize treatment of coconut wood for canoe construction, design and construct small fishing craft from coconut wood for the west coast of India, to study the economic feasibility of introduction of coconut wood canoe for small scale fisheries sector and popularization of coconut wood canoes in small scale fishery sector.	Project initiated in August 2012.Coconut wood panels were tested for moisture content and retention of preservatives Chromated copper borate, cashew nut shell oil and chromated copper arsenate was analyzed. Standardization of vacuum pressure impregnation method for obtaining higher retention of chromated copper borate in coconut wood panels was also done.Project is progressing
11	Development of Nutra coconut oil rich in ω -3 & ω -6 fatty acids and health protective phytochemicals	Dr. Nasirullah, Senior Principal Scientist, CFTRI, Mysore	2012-13	25.00	25.00	8.13	To isolate nutraceutical concentrates using alcohols and their aqueous mixture from flax, sesame, sunflower, cottonseed etc. cakes, to fractionate the flaxseed oil to isolate the ω -3 and ω -6 fatty acid rich glycerides and other phytochemicals, incorporate the above two factors in to the coconut oil to develop the nutra-coconut oil, to study the nutritional and stability aspects of nutra-coconut oil and to prepare traditional snacks in nutra-coconut oil and study their chemical and sensory attributes	Project initiated in September 2012.Characterisation of nutraceuticals in progress.
3 PROJECTS FOR DEMONSTRATION OF TECHNOLOGIES UNDER TMOC								
<i>Pest & Disease Management</i>								
1	Network Project for Establishment of Nucleus Seed Gardens for Production of Quality Planting Materials of Recently Released Coconut Cultivars	CPCRI, Kasaragod	2009-10	44.01	44.01	35.29	To establish Nucleus Seed Gardens for promising / released and dwarf coconut varieties in different agro-climatic regions and documentation of elite palms in coconut.	Selection of mother palms, Inter-seedling programme, documentation of elite palms being carried out.

2	Mass multiplication and Demonstration of Bio-control based integrated disease management package against basal stem rot (Ganoderma wilt) disease in coconut	Andhra Pradesh Horticultural University, Tadepalli Gudem	2009-10	15.70	15.70	13.00	To develop curative management package against basal stem rot disease in coconut, validation of developed curative management package and large scale demonstration of developed prophylactic and curative packages against basal stem rot disease in coconut in farmer's gardens.	Intensive surveys conducted in four districts of A P. Max % of disease incidence is noted in Eastt godavari (35%), 20% in Srikakulam stages of disease development has been studied and detailed in the report. Within Trichoderma sps. 18 geographically located isolates were collected and found to be effective against Ganoderma in dual culture plate assays. Red gram and Bengal gram were screened in indicator plant assays. Entire symptoms were visible within a month under artificial inoculation studies when compared to Red gram. Further studies are ongoing for confirmation demonstration of prophylactic measures such as isolation of diseased trees by isolation trenches, raising of green manure crops, basin method of irrigation etc, is being demonstrated and studies are in progress.
3	Mixed cropping of Noni (Morinda citrifolia) in coconut gardens under coastal agro-ecosystems	Central Crops Plantation research institute (ICAR), Kasargod	2011-12	6.52	6.52	3.99	To study the performance of Noni (Morinda citrifolia), as mixed crop in single hedge systems under coconut garden and to study the impact of mixed cropping of Noni with coconut on the productivity of coconut palms and soil fertility status.	Project initiated in October 2011. Plot has been selected at CPCRI , Kasargod(77 trees) and Katukukke of Kasargod(66 trees). Soil samples and leaf samples were collected from plots for nutritional status analysis. The nutritional analysis of soil, leaf samples and microbial analysisi of soil samples are in progress
4	Performance evaluation of elite seedlings in farmer's fields of Alappuzha and Kollam Districts	ORARS, Kerala Agricultural University, Kayamkulam, Alappuzha	2011-12	12.10	12.10	6.95	To evaluate the performance of the mother palms selected during 2004-05 for the presence of root wilt disease by ELISA test, a comparative study of the mother palms of Kuttiyadi origin distributed by the Department of Agriculture in the region (6 PANCHAYATS), compare the morphological characters, incidence of pests and diseases in selected palms, conducting ELISA test in selected palms and identification of root (wilt) free palms.	Project initiated in November 2011. morphological and serological studies of 200 palms, documentation and analysis of findings for preparation of database is in progress.

5	Identification of superior high yielding mother palms of west coast tall cultivar / local cultivar for seed nut procurement, production and distribution of seedlings from the farmers fields in the coastal / transistional zone of Karnataka.	University of Horticultural Science, GKVK, Bangalore	2011-12	12.34	12.34	7.36	To identify the genetically superior, high yielding mother palms from the farmer's field by extensive surveying of the tract, documentation, characterization and conservation of superior palms for future use and procurement of seed nuts, Production and distribution of quality planting materials.	Project initiated in June 2011.Udupi district was covered for survey, identification of coconut growers, selection of seed gardens, mother palms, painting and numbering of trees collection observations on morphological and nut yield of identified coconut trees. All 4 taluks namely; Karkala(5 gardens(1170 mother palms identified), Udupi (4 gardens, 796 mother palms), Kundapur(5 gardens, 815 mother palms) and Byndoor taluks(14 gardens, 2781 mother palms) were covered
6	Evaluating the performance of released coconut hybrids in Farmer fields	Coconut Research station, Veppankulam, Thanjavur	2011-12	15.10	15.10	6.36	To conduct survey to collect the passport data regarding the distribution of hybrid seedling to farmers, to identify the farmers those who have planted released hybrids in large area in different locations and to assess the yield potential of the released hybrids of major coconut growing districts in Tamil Nadu.	Project initiated in October 2011. Report awaited.
7	Refinement of production technology of green muscardine fungus and participatory field validation of integrated biocontrol technology against rhinoceros beetle of coconut	CPCRI, Regional Station, Kayamkulam	2012-13	19.87	19.87	7.41	To integrate and optimize biointensive Pest Management for the coconut Rhinoceros beetle, <i>Oryctes rhinoceros</i> Linn. using green muscardine fungus (<i>Metarhizium anisopliae</i>), <i>Oryctes rhinoceros</i> virus and pheromone trap and validation and assessment of the technology through farmer participatory large area demonstration.	Project initiated in July 2012. Report awaited
8	Region based recommendation to improve coconut production in Tamilnadu through remote sensing and GIS.	Tamil Nadu Agricultural University, Coimbatore	2012-13	10.85	10.85	5.97	To map coconut growing areas region wise in Tamil Nadu through remote sensing and GIS techniques, to create soil database using GIS for coconut growing areas of Tamilnadu, to identify the soil based production constrains and to recommend ameliorative measures to augment coconut production in Tamil Nadu.	Project initiated in September 2012. satellite data being collected and project is progressing.

9	Improving coconut production in Kerala using soil data through remote sensing and GIS technique	Amritha Viswa Vidya Peetham University, Coimbatore	2012-13	40.16	14.21	5.84	<p>a. To identify and map, using remote sensing and GIS techniques, the coconut growing areas of Kerala.</p> <p>b. To create soil data base using GIS for coconut regions identified.</p> <p>c. To recommend production improvement measures based on soil data base.</p>	Collection of primary and secondary data completed and purchase of satellite images are being taken up.
b. Product diversification & value addition								
1	Pilot project for establishment of demonstration cum training centre for coconut products	Dept. of Horticulture, Govt. of Karnataka	2002-03	150.00	135.00	100.47	<p>Setting up of the pilot project is envisaged for the purpose of demonstration cum training for the farmers for imparting regular training in selected disciplines of coconut industry, to organize short term training courses on a regular basis in the preparation of foods and beverages from coconut meat, water and sap and also in the production of novelty handicrafts from shell to demonstrate the techno economic viability of the processing technologies imparted through training.</p>	The demonstration cum training center building was inaugurated during September 2010. Training programmes of coconut is being conducted regularly by the center at Mandya.
2	Setting up a quality Control Laboratory at Bangalore	Coconut Development Board.	2002-03	50.00	50.00	13.95	To carry out chemical and microbiological analysis of coconut based food products.	Shifted to TDC, Vazhakulam

3	Establishing Quality Control Laboratory at Technology Development Centre, Vazhakulam, Aluva	Technology Development Centre, Coconut Development Board-Vazhakulam, Aluva	2004-05	242.49	242.49	201.21	To carry out chemical and microbiological analysis of coconut based food products, to render technical support to organizations like B.I.S, AGMARK, E.I.A, APEDA and Ministry of Food Processing for drafting Quality Standards for newly developed coconut based food products, to act as certifying agency for the quality of coconut food products based on Quality Standards drafted, to act as a nodal agency for developing and standardizing packaging technologies for coconut based food products, to coordinate training programmes on various quality management practices like HACCP, food safety and hygiene, good manufacturing practices, etc. for manufacturers venturing into coconut based food industries and to offer consultancy for HACCP certification.	NABL accreditation for QTL, Vazhakulam has been obtained from National Accreditation Board for Testing and Calibration Laboratories, New Delhi for chemical and biological testing facility. Chemical and microbiological analysis of coconut based food products is being carried out on a routine basis. Training programmes on coconut based foods are being undertaken.
4	Setting up of a demonstration and training centre on the coconut processing in Konkan Region of Maharashtra	Konkan Krishi Vidyapeeth, Dapoli, Ratnagiri Dt., Maharashtra	2005-06	16.10	16.10	12.86	Setting up a demonstration and training centre for coconut processing in Konkan Region of Maharashtra for developing rural entrepreneurship and transfer of technology for processing of coconuts by utilizing locally grown raw material and providing practical training and demonstration for the preparation of coconut chips, edible copra, coconut shell charcoal and coconut water based vinegar.	

5	Establishment of training cum production centers for coconut clusters in Tamil Nadu	Farmers' Training Centers under the Director of Agriculture, Department of Agriculture, Chepauk, Chennai	2006-07	41.35	41.35	37.22	Establishment of training cum production center for coconut based value added products, training the clusters on need based / location specific coconut micro enterprise, guiding the clusters for establishing of micro enterprises and developing qualified master trainers for imparting the training.	Capacity building and infrastructure development of the existing FTC's is being under taken. Training of master trainers has been completed.
6	Project for Development of an Integrated Processing Complex for Manufacturing and Marketing of coconut based products at Kavaratti.	The Chairman , Village (Dweep) Panchayath, Office of the Village (Dweep) Panchayath U.T. of Lakshadweep Kavaratti	2006-07	40.00	30.00	29.00	Setting up an integrated coconut processing unit involved in development of several value added products from coconut at Kavaratti Island in Lakshadweep.	The integrated coconut processing unit for value added products has been established.
7	Coconut wood furniture making and training	Kodamthuruthu Panchayat Scheduled Caste Co- operative Society, Alappuzha	2006-07	10.55	2.64	2.16	Coconut furniture making and training	Machinery installed and production started
8	Training cum Demonstration Centre for post harvest processing of coconut	ANGRAU, Ambajipeta	2007-08	0.98	0.63	0.48	To provide training cum demonstration on post harvest processing of coconut to the coconut growers of Andhra Pradesh by establishing a Training-cum Demonstration Centre at Horticulture Research Station (AP) and for popularization of copra making methods and product diversification.	Established the training cum demonstration center at HRS for copra making methods and product diversification. Training is being undertaken in batches.
9	Setting up of Coconut Artistic Complex	Jupiter Enterprises, N.H.Junction, Vayalar, Pattanakkad.P.O., Cherthala, Alappuzha	2009-10	19.77	6.89	5.18	To set up a modern Coconut Workshop-cum-Training Centre, installing advanced machineries for carving and manufacture of utility items, furniture, interior decorative items, building materials etc. based on coconut wood and shell and to market the finished products so as to popularize the use of coconut wood and shell based items.	Training center established with all machineries. Two batches of training conducted for coconut wood and shell items.

10	Demonstration of Technology for processing and packaging Neera (Sweet Toddy) in Karnataka	The Secretary (Horticulture), Government of Karnataka, Bangalore	2010-11	77.35	15.00	14.38	To optimize the use of available natural resources, to educate the farmers there by improve the economic position of the farmers and to keep alive the tapping traditions of Dakshina Kannada and Demonstration is taken up in order to bring Neera Policy in Karnataka.	Action has been initiated by the State Govt. for establishment of demonstration center.
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4 PROJECTS FOR ADOPTION OF TECHNOLOGIES UNDER TMOG

b. Product diversification & value addition

Sl. No.	Name of the Unit & Address	State	Year	Total Project Cost (Rs.)	Amount sanctioned (Rs.)	Amount released (Rs.)	Capacity (nuts per day)	Products
1	M/s. Malabar Rubber and Agricultural Processing Co operative Society Ltd, Kannur	Kerala	2006-07	6500000	1140800	570400	27500	Packed, Branded Coconut Oil, edible copra & vinegar
2	The Kandallor Coconut Processing and Marketing Co-operative Society Ltd. Kayamkulam	Kerala	2006-07	1584000	396000	198000	5000	Coconut Oil
3	Ezupunna Panchayat SC/ST Co- operative Society, Allepy	Kerala	2006-07	446000	85000	42500	1000	Copra and Vinegar (80 L of vinegar/day)
4 to 9	VCO (RUBCO Technology -6 units)	Kerala	2006-07	12510000	3127500	1563625	12000	Virgin Coconut Oil (2000 nuts per day /unit)
10	M/s.K & P associates, Kolencherry, Ernakulam	Kerala	2006-07	11000000	1682000	929375	2000	Virgin Coconut Oil packing unit for 20000 L/ day
11	St.Antony's Foods, Vaduthala -coconut chips unit	Kerala	2006-07	400000	76900	38400	200	Coconut chips
12	M/s Lala Industries Pvt. Ltd, Nedumbassery	Kerala	2006-07	2695000	653000	588400	200	200nuts per day(fresh frozen grated coconut) 40 lakh ice cream cup per year
13	The Urangattri Service Co-operative Bank, Malappuram	Kerala	2006-07	10000000	2092000	1805150	25000	(4 tones of copra per day),(500 Lts of coconut water per day, Bio gas (288 cubic meter per year at 80% capacity utilization)
14	M/s. COPS, Palakkad promoted by Kanhirapuzha Grama Panchayath Farm Club, Irumbakachola P.O., Kanhirapuzha, Palakkad	Kerala	2007-08	1146325	225081	112540	500	21,500 Kg coconut chips in a year

15	Palakkad Dt. Agrl. Produces Processing and Marktg. Industrial Co-op. Society, Vandithavalam, Palakkad District.	Kerala	2007-08	12386000	1675000	837500	40000	Agmark std.coconut oil
16	Shri. Siddheswara Coconut Industries, Siddhapura, Konchully P.O, Tiptur, Tumkur, Karnataka	Karnataka	2007-08	6378000	1099500	938500	16000	Dessicated Coconut
17	M/s. Bharathi Coconut Products, No.K-76, Hootagalli Industrial Area of KAIDB, DIC Layout, Mysore	Karnataka	2007-08	1600000	225500	112750	7000	Dessicated Coconut
18	M/s. Sree Agro Products Pvt. Ltd., W.G.Dist, AP	Andhra Pradesh	2007-08	32893000	1091000	978500	40000	Dessicated Coconut
19	The Badagara Taluk Primary Co-operative Marketing Society Ltd Kakkattil.P.O., Kozhikode	Kerala	2007-08	1625000	187379	174000	25000	Coconut Oil
20	M/s.Sri Jayalakshmi, W.Godavari	Andhra Pradesh	2007-08	11500000	2600000	2340000	10000	Tender Coconut water
21	M/s.Anu Coco Food Products Pvt.Ltd,Hyderabad	Andhra Pradesh	2007-08	38568000	4362500	3986500	25000	Tender Coconut water
22	Thirumeni Agrl. Marketing Society, Kannur	Kerala	2007-08	2850000	584200	284600	10000	2 tones of copra per day 100 litres of coconut water per day to vinegar.
23	M/s. Sevashram, Mangattukara, Puliyanam.P.O., Angamaly	Kerala	2008-09	20300000	4027750	1815125	46000	Copra, Coconut Oil, Chips and Vinegar
24	M/s. Swamy Oil and Packaging Industries, Pullikada, Kollam	Kerala	2008-09	9586000	1465500	1318950	70000	Coconut Oil
25	M/s. Manayampilly Flour and Oil Mills, Nedumbassery, Kaprassery.P.O.,Ernakulam	Kerala	2008-09	2000000	436800	391770	8000	Coconut Oil
26	M/s. Belmont Carbon and Adsorbents Pvt. Ltd., Belmont Plaza, Banerji Road, Kochi-18	Kerala	2008-09	43267000	5000000	2500000	5 MT per day	Activated carbon
27	Shri A.Saravanan, MAP Carbochems, 9/250, Nanmai Alwar Street, Kurumbalaperi, Keela Pavor (Post), Thenkasi	Tamil Nadu	2008-09	1928000	482000	353750	10 MT shell per day	Shell powder
28	Kerala Malanadu Karshaka Produce Co-operative Marketing Society -II (Expansion)	Kerala	2008-09	12500000	1993000	996500	10000	Coconut oil

29	Shri. M.V. George, Mayamprambil, T.V. Puram, Vaikom	Kerala	2008-09	143700	35600	17800	2000	Copra
30	The Kozhikode Sahakarana Marketing Society Ltd. No.D.2817, Chathamangalam, Kozhikode	Kerala	2008-09	5450000	1362500	681200	10000	Coconut Oil & coconut vinegar
31	M/s. Goa Coconut products	Goa	2009-10	1925200	421300	333700	10000	Copra
32	M/s. Sarvashakthi Agro Products, Udupi, Karnataka	Karnataka	2009-10	11737000	2934200	2640800	60000	Desiccated Coconut
33	M/s. Amman Oil Mills, Kallankadu, Erode	Tamil Nadu	2009-10	2008400	502100	295700	10500	Coconut oil (1.5 Ton Copra per day)
34	M/s. Jaimatha Estates, Monippally.P.O., Kottayam (Expansion)	Kerala	2009-10	13550000	3387500	1406250	5000 litres per day	coconut vinegar
35	M/s. V&V Agro Foods, Palakkad.	Kerala	2009-10	6044400	1511000	755500	12000	Desiccated Coconut
36	M/s. Vettathunadu Coconut Products, Malappuram	Kerala	2009-10	3400000	850000	754000	10000	Coconut oil
37	M/s. Vigneswara Shell Charcoal, Tamilnadu	Tamil Nadu	2009-10	2380000	595000	535500	5000	VCO (3000 - 5000 nuts per day)
38	The Inchakundu Service Co-operative Bank Ltd.	Kerala	2009-10	3530496	882624	670040	10000	Copra and Coconut Oil
39	M/s Dhanalakshmi Agro Products	Karnataka	2009-10	5244000	1311000	1166900	10000	Desiccated Coconut (1Tons per day)
40	M/s. Coco Carbons (India) Pvt. Ltd., Nelmangala Taluk, Bangalore	Karnataka	2009-10	39837400	5000000	4500000	8 tons per day	Activated carbon
41	The Kotachery Co-operative Marketing Society Ltd., Kasaragod.	Kerala	2009-10	1947000	487000	373600	30000	Milling copra, Edible copra, Coconuoil.
42	M/s. Rare Industries, Manipuram.P.O., Muthambalam, Koduvally, Kozhikode District	Kerala	2009-10	7636000	1653000	763600	20000	coconut oil
43	M/s. Three star Industries, Kalady	Kerala	2009-10	797600	199400	99700	10 coconut wood per week	Coconut wood products
44	M/S. Sri Akshaya Agro Processing, Gedlehalli Village, Byranayakanahalli Post, Tiptur, Tumkur	Karnataka	2009-10	10850000	1946000	887900	30000	Desiccated Coconut
45	M/s. Benzfab Foods Pvt Ltd, 1/19, Saheed Nagar, Bhubaneswar, Orissa	Orissa	2009-10	22041000	5000000	2500000	10000	Tender Coconut Water
46	M/s. Siddeswara Agro Industries, Siddapura Village, Konehalli Post, Tiptur Tk, Tumkur	Karnataka	2009-10	13400000	2184100	1092050	25000	Desiccated Coconut
47	M/s. Parisons Foods Pvt. Ltd, 6/1183, Cherooty Road, Calicut,	Kerala	2009-10	45000000	5000000	4500000	350000	Coconut Oil
48	M/s. Kottoor Extractions, 10th Mile, Udayamperoor, Ernakulam District	Kerala	2009-10	11300000	1788800	1333300	7500	Virgin Coconut Oil
49	M/s. KLF Nirmal Industries (P) Ltd. Thrissur	Kerala	2009-10	39515000	4593500	4114000	210000	Coconut Oil

50	M/s. S.S. Coconut Industries Kangayam Tamil Nadu	Tamil Nadu	2009-10	9674000	1791000	773850	30000	Desiccated Coconut
51	M/s Al-Jazeerath Industries and Trading Company	Lakshwadweep	2009-10	2899000	591400	295700	8750	Coconut oil
52	Smt.A Rukmini Devi, Mandal, (Via)Sivakodu, Andhra Pradesh	Andhra Pradesh	2009-10	1060000	265000	238500	1000	Copra
53	M/s.Kattippara Coconut Industries, Kattippara PO, Calicut	Kerala	2010-11	5000000	1170000	1048500	13000	Coconut oil
54	The Kulanada Agricultural Marketing & Processing Co-operative Society Ltd., Kulanada, Pathanamthitta	Kerala	2010-11	5460000	1068000	534000	5000	VCO and Coconut Vinegar
55	M/s. Keramitra, Engandiyur Post, Trichur	Kerala	2010-11	1986000	496500	446850	5000	Coconut oil
56	M/s. Modern Oil Mills, Kozhikottiri, Ottappalam Taluk, Palakkad - II (Expansion)	Kerala	2010-11	4400000	679400	339700	17000	coconut oil and milling copra
57	M/s. Dhanalakshmi Food Tech, Gedlehalli, Halkurke Road, Byranayakanahalli Post, Tiptur	Karnataka	2010-11	6192000	1027500	924750	40000	Desiccated Coconut Powder 3.24 ton
58	Shri. Gokavarapu Venkata Ramana Murthy, Mnachavaram Panchayath, Ambajipeta E. Godavari Dist, Andhra Pradesh	Andhra Pradesh	2010-11	1250000	216000	194400	3000	Ball copra (3000 nuts per batch)
59	M/s. Vetham Agro Industries, Sundar Kudil, Perumal Koil Street, Ramanathapuram, Coimbatore	Tamil Nadu	2010-11	10000000	1250000	1100800	10 MT shell per day	Shell Powder
60	M/s. Sree Balaji Oil Mills, Rajaji, Kangayam, Tirpur Dist, Tamil Nadu	Tamil Nadu	2010-11	7911000	1730300	1358150	60000	Coconut Oil
61	M/s. Panickers Coconut Industries, Bantra Village, Mardhala Post, Puttur Taluq, D.K. Dist. Karnataka	Karnataka	2010-11	9900000	1815000	1203800	10000	Virgin Coconut Oil
62	Sri Soubhagya Agro Foods & Minerals Pvt Ltd, Visakhapatnam	Andhra Pradesh	2010-11	7683000	1652300	826150	10 MT shell per day	Shell powder
63	M/s. Umamaheswari Industries, KN Hally, B. H. Road, Tiptur Taluk, Tumkur	Karnataka	2010-11	4990000	985500	886500	16000	Desiccated Coconut
64	M/s. VSA Foods & Beverages Pvt. Ltd, Market Yard, Gultekdi, Pune, Maharashtra	Maharashtra	2010-11	15396000	3422500	2476570	10000	Tender Coconut Water
65	M/s. Maharaja Coconut Products, Panthakkalmedu, Thenkurissi PO, Palakkad	Kerala	2010-11	3710000	532000	474500	10000	Desiccated Coconut
66	M/s. Rehmania Rice, Flour & Oil Mill, Cholakulam, Melattur, Malappuram	Kerala	2010-11	6450000	1313000	1133820	30000	Coconut oil
67	M/s. Swastika Coco Products Pvt. Ltd, Katbalthur Village & Post, Kundapur Taluk, Udipi	Karnataka	2010-11	18657000	2390500	2151450	10000	Desiccated Coconut

68	M/s. Ganga Coconut Foods, Muthur Road, Panchapalayam - PO , Pappini Village, Kangayam Tirpur Dist. TN	Tamil Nadu	2010-11	15665000	2518500	2235420	40000	Coconut Oil
69	M/s.Chandrathil Food Products, South Aduvassery, Aduvassery, Ernakulam	Kerala	2010-11	1700000	376500	313830	1000 Ltr	Vinegar
70	M/s. Sri Rama Industries, Main Road, Yelmudi, Puttur, Dakshina Kannada, Karnataka	Karnataka	2010-11	3184000	517750	440010	10000	Coconut oil
71	M/s. Coco Kernel Product, NH 206, BH Road, Madhihalli, Tiptur, Karnataka	Karnataka	2010-11	4406000	1101000	550500	30000	Desiccated Coconut
72	Shri. Vignesh Kumar, Shell craft leader, Dindigul, TN	Tamil Nadu	2010-11	3997000	591900	295950	7 MT	Shell charcoal
73	M/s. Pavitra Kera Products, Kundukad, Kizhakkanchery, Alathur, Palakkad	Kerala	2010-11	7604000	1346700	1050500	20000	Virgin Coconut Oil
74	Sree Konaseema Coconut Food Products, Ambajipet Mandal, E.G. Dist, AP	Andhra Pradesh	2010-11	4400000	620000	310000	12000	Desiccated Coconut
75	M/s. Farmfact Coconut Products Pvt. Ltd., Thanjavur, Tamilnadu	Tamil Nadu	2011-12	12575000	2673200	1336600	15000	Virgin Coconut Oil
76	Shri. Suneshan V. K.,Sreevalsom, Thalassery, Kannur	Kerala	2011-12	626700	77500	69750	15000	Ball copra (15000 nuts per batch)
77	EBE Liza Enterprises, Tamilnadu	Tamil Nadu	2011-12	10310000	2058000	1029000	1.50 MT per day	Activated carbon
78	Pure Tropic, Mangalam Road, Karuvampalayam, Tirupur, Tamil Nadu	Tamil Nadu	2011-12	10200000	2300000	1150000	3000	Tender Coconut Water
79	M/s. Sharni Carbon, Kariyanchettipalayam, Pollachi, TN	Tamil Nadu	2011-12	4988000	1022400	511200	40 MT shell/day	Shell charcoal
80	M/s. KKP Industries, Nallipalayam, Padiyur Post, Kangayam Taluk, Tirupur, TN	Tamil Nadu	2011-12	16218800	2699200	2381600	40000	Desiccated Coconut (4 MT per day)
81	RB carbon, Tirupur, Tamilnadu	Tamil Nadu	2011-12	17223000	2958100	2376990	90 MT shell per day	Shell charcoal
82	M/s. Asian Industries, Bye-Pass Road Padamudipalayam, Valur PO, Namakkal, TN	Tamil Nadu	2011-12	10000000	2335900	2102310	10 tons shell per day	Shell powder
83	Shri Appana Naga Venkateswara Rao, AVR & CO. – Copra Merchant, Ambajipetta, East Godavari A.P	Andhra Pradesh	2011-12	2300000	325000	292500	15000	Ball copra
84	Mr. P.J Thomas, Padinjarethottiyil, Kooranchundu, Kozhikode	Kerala	2011-12	500000	72500	36250	40000	Ball copra

85	Shri. Hameed VS, Vellikulath House, Koorachundu, Kozhikode	Kerala	2011-12	375000	26250	13125	15000	Ball copra
86	M/s. Kovai Agro Foods, Meenakshipuram, Pollachi	Tamil Nadu	2011-12	23611000	4492000	4000000	56000	Desiccated Coconut
87	Mr. T.V. Thomas, Thekkekkuttu House, Vettilappara PO, Malappuram	Kerala	2011-12	390000	62000	31000	3000	Ball copra
88	M/s. Surya Shobha, Shobha Engineering Co. Complex, Peringandoor, Athani, Thrissur	Kerala	2011-12	20700000	4847500	4300920	20000	Spray Dried Coconut Milk Powder
89	Nexus Frozen Fruits Containers & Foods Pvt. Ltd, Manickamangalam PO, Kalady, EKM Dist	Kerala	2011-12	5402000	1313000	1170000	20000	Shell ice cream cup
90	Priyanka Industries Sikkarasam palayam, Kangayam, TN	Tamil Nadu	2011-12	7456000	1579700	1421730	100000	Coconut Oil
91	Samson coconut Oil Industries, Kangayam, Tiripur, Tamilnadu	Tamil Nadu	2011-12	26972000	5000000	4500000	350000	Coconut Oil
92	Shri. Maturi Narayana Murty, Rama Chandra Colony, Palakol.	Andhra Pradesh	2011-12	3300000	812500	731250	500000	Ball copra (500000 nuts per batch)
93	M/s. Elite Breads Pvt. Ltd Athani, Velappaya PO, Thrissur.	Kerala	2011-12	2300000	573700	516330	1.5 T shell per day	Shell charcoal
94	Shri. Pedamallu Venkateswara Rao, S/o. Rama Murthy, Pasarlapudilanka, Mamidikuduru Mandal, E. Godavari Dist, Andhra Pradesh	Andhra Pradesh	2011-12	1280000	320000	288000	500000	Ball copra (5.10 lakhs Coconuts per batch)
95	Maruthy Oil Industries, Kangayam, Tirupur, Tamilnadu	Tamil Nadu	2011-12	19311000	2921700	1460850	140000	Coconut oil
96	M/s. Ashwin Exim India Pvt. Ltd, 111 N State Bank Colony, Nataraja Nagar, Polpettai, Tamilnadu	Tamil Nadu	2011-12	3280000	485500	437000	6 T shells per day	Shell charcoal
97	Kajah Enterprises (P) Ltd, 64, South Car Street Tirunelveli Town, Tamilnadu	Tamil Nadu	2011-12	37500000	5000000	4500000	5 tons per day	Activated carbon
98	M/s. Green Indus Group, Mathilakom, Kodungallur, Thrissur.	Kerala	2011-12	10200000	1675000	1507500	10000	Vinegar
99	Cocoguru Coconut Industries Pvt. Ltd, Aryapu Village, Puttur, D. Kannada, Karnataka.	Karnataka	2011-12	21500000	3680000	3312000	10000	Coconut oil
100	M/s. Reflex Industries Pvt. Ltd, Port Blair, A&N Islands (Hutbay, Little Andaman)	A&N Islands	2012-13	10732000	2483000	1241500	10000	Desiccated Coconut & Virgin Coconut Oil

101	M/s. Riflex Industries Pvt. Ltd, Port Blair, A&N Islands (Campbell Bay)	A&N Islands	2012-13	10453000	2353500	1176750	10000	Desiccated Coconut & Virgin Coconut Oil
102	Indus Bio Products, Near B Grows, Parpunja, Puttur, S. Kannara Dist., Karanataka.	Karnataka	2012-13	10240000	1787900	893950	5000	Virgin Coconut Oil
103	Sri Saphthagiri Coconut Industry, Khatha No. 489, Eachanur, Tiptur.	Karnataka	2012-13	15000000	2643000	1321500	25000	Desiccated Coconut
104	The Adat Farmers' Service Co-op. Bank Ltd, Puranattukara PO, Thrissur	Kerala	2012-13	10500000	2399500	1199750	25000	Coconut Oil
105	M/s. Super Coco Company, 32- Sakthi Co-op Industrial Estate Udumalai Road, Pollachi, Coimbatore, Tamil Nadu.	Tamil Nadu	2012-13	4209000	695700	588960	60000	Desiccated Coconut
106	M/s. M. Rajalakshmi oil Pvt. Ltd., Pollachi, Tamilnadu	Tamil Nadu	2012-13	259350000	5000000	2500000	50000	Desiccated Coconut
107	M/s. Kavin Carbons Pvt. Ltd, N.Subramaniapuram, Sattur Taluk, Tamil Nadu	Tamil Nadu	2012-13	32600000	5000000	2500000	4 tonnes of Granular per day	Activated Carbon
108	Shri. Mammad, Ayoth House, Kolathur, Kozhikode	Kerala	2012-13	600000	118700	59400	120 Q / month	Ball copra
109	M/s. Senni Andavar Coconut Shell charcoal, Kallappalayam, Tamilnadu	Tamil Nadu	2012-13	4859000	1050700	523400	8 MT / day	shell charcoal
110	M/s. Rose Agrotech, Kuntalpadi, Udupi Dist., Karnataka	Karnataka	2012-13	9058000	1672200	836100	6500	Desiccated Coconut
111	M/s. Sri Lakshmi Agro Industries, Shivaya Nagar, Salem, TN	Tamil Nadu	2012-13	14000000	3183000	1591500	16 MT per day	shell powder
112	M/s. Keram Extractions, Vilayatooor, Meppayyur, Koilandy, Kozhikode	Kerala	2012-13	11600000	2078800	1039400	7500	Virgin coconut oil
113	M/s. Asian Hi Tech Agro Exports, Veerapandi Post, Tirupur, Tamil Nadu.	Tamil Nadu	2012-13	8200000	1868900	934500	20000	Virgin coconut oil
114	Shri. Jafar, S/o abdulla, Madathil House, Kuttiyadi, Kozhikode	Kerala	2012-13	2500000	462500	231250	80000	Ball copra
115	M/s. Nisarga coconut Industries, Kundapur Taluk, Udupi, Karnataka	Karnataka	2012-13	12177000	2841500	1420750	15000	Desiccated Coconut
116	M/s. AM coconut Industries, Kulathupalayam, Pappini, Tamilnadu	Tamilnadu	2012-13	5481000	1101200	550600	16000	Desiccated Coconut

117	M/s. Sarvashakthi Agro Products, Udipi Dist, Karnataka	Karnataka	2012-13	23000000	2066000	1033000	40000	Desiccated coconut
118	M/s.Tenguraja Coco products, Karkala, Uduppi, Karnataka	Karnataka	2012-13	16900000	2728200	1388750	24000	Desiccated coconut
119	M/s.Integral Coconut Products, Meppayyur, Kozhikode	Kerala	2012-13	10900000	2213800	1106900	10000	Virgin coconut oil
120	M/s. Sri Amritha Hitech Coco Food Products Export, Erode	Tamil Nadu	2012-13	25813000	5000000	2500000	70000	Desiccated coconut
121	M/s. Asha Coconut industries, Tirupur, Tumkur Dist, Karnataka	Karnataka	2012-13	20752000	20752000	20752000	70000	Desiccated coconut
122	M/s. Ambadi Edible Oils and Foods, Pankajakasthuri, Kattakkada, Trivandrum	Kerala	2012-13	10800000	2350300	1175150	10000	Virgin coconut oil
123	M/s. Yogic Foods Pvt. Ltd, Anaimalai, Pollachi, Coimbatore, Tamil Nadu	Tamil Nadu	2012-13	15148000	2841500	1420750	15000	Tender Coconut Water
124	M/s. Elite Natural Private Ltd., Sipcot Phase –II, Hosur, Tamilnadu	Tamil Nadu	2012-13	3616000	837500	418750	0.79 MT / day	Shell charcoal
125	Shri. Mohanan, Mathath boda making unit.	Kerala	2012-13	1000000	213700	106750	80000	Ball copra
126	M/s. SS Coconut Industries, Sattur, Karnataka	Karnataka	2012-13	12524000	2514500	1257250	30000	Desiccated coconut
127	The Peringottukurissi General Agril. Mktg. Society	Kerala	2012-13	4300000	847200	423600	25000	Coconut oil
128	M/s. Vishnu Industries, Tiptur	Karnataka	2012-13	3457000	530200	265100	3.7MT/day	Shell lumps& Granules

5 PROJECT FOR MARKET RESEARCH AND PROMOTION

No	Name of the Project	Year of sanction	Cost of the Project	Amount sanctioned by PAC	Amount released
a.	Market Research				
1	Study entitled "A Critical Assessment of the Economics of Production of Coconut and Copra Milling Industries in Tamil Nadu and Puduchery"- Department of Agricultural Economics ,TNAU, Coimbatore	2006-07	8.91	5.14	2.57
2	Proposal for Market Research Studies - M/s. Xavier Institute of Management, Bhubaneswar	2008-09	23.99	11.93	10.44

b. Market Promotion					
1	Demonstration and adoption of technologies on coconut: Participatory Planning and action through self – Help Associations of Coconut farmers in Dindigal District of Tamil Nadu - Gandigram Rural Institute, Gandhigram, Tamil Nadu	2002-03	42.55	39.20	27.39
2	Project Proposal for carrying out Market promotional activities – Adsorbent Carbons Ltd, Egmore, Chennai	2005-06	25.25	10.00	1.00
3	Market promotion of tender coconut water on cluster approach - Secretary, Agricultural Urban Whole Sale Market, Kozhikode	2006-07	31.53	18.88	9.44
4	Market Promotional activity of tender coconut with Minimal Processing – President, Kanjikuzhy Grama Panchayat, Alappuzha at a cost of Rs.8.715 lakhs	2006-07	8.72	5.84	3.52
5	Market Promotional activity of tender coconut with Minimal Processing – Secretary, Pattanakkad Service Cooperative Bank, Alappuzha at a cost of Rs.7.44 lakhs	2006-07	7.44	5.03	2.81
6	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.	2006-07	7.42	5.00	2.80
7	Market Promotional Programme for KSB Kalpasree coconut products - The President, Kallamkunnu Co-operative Bank Ltd., No.R.314, Kallamkunnu P.O. Nadavaramba, Irinjalakuda, Thrissur The project was approved in the 22ndPAC held on 01.02.2007	2006-07	30.00	25.00	24.69
8	Market promotional Programme for Velco Brand coconut products - M/s Vellur Service cooperative Bank Ltd. No.3971, Vellur P.O Via Payyannur, Kannur, Kerala	2006-07	30.00	25.00	22.67
9	Scheme for providing tender coconut merchandising to SHGs, NGOs etc at subsidized rate Total cost -Rs.17.00 lakhs for 200 units @Rs.8500/- with Board share of Rs.15.00 lakhs @	2006-07	17.00	15.00	7.32
10	Market Promotional Programme for KSB "Neethi" Brand Coconut Oil - Karalam Service Co-operative Bank Ltd. No.R.600, Kizhuthani P.O., Thanissery, Thrissur	2006-07	33.00	25.00	24.31
11	Market Promotional Programme for branded coconut products - the President, Sevashram, Mangattukara, Puliyanam P.O., Angamaly	2007-08	10.00	10.00	8.01

12	Proposal for Generic Promotion of Coconut Products -in Delhi Metro Railway Station - Directly by the Coconut Development Board .	2007-08	35.40	35.40	35.40
13	Market Promotional Programme for Cocogem Brand Coconut Oil by Malabar Extractions Pvt. Ltd., Karaparamba, Calicut-	2007-08	20.00	10.00	6.71
14	Market Promotional Programme for 'Heartonica' Brand coconut products by the Kerala Malanad Karshaka Produce Co-operative Marketing Society Ltd., Thiruvampady, Kozhikode.	2007-08	25.00	25.00	24.98
15	Market Promotional Programme for 'SARAS GOLD' Brand Coconut Oil by M/s.St.Mary's Oil Industries, Kadathy, Muvattupuzha	2007-08	16.75	8.38	2.41
16	Pilot Testing Study on Procurement of Coconut under Minimum Support Price Operations-Coconut Development Board	2007-08	5.00	5.00	0.99
17	Market Promotion of 'M.P.Brand Super' Brand Coconut Oil -M/s Sree Shanmugha Coconut Drying & Oil Mill, Ramanattukara, NH-17, Calicut	2008-09	20.00	10.00	8.12
18	Consumer Acceptability of newly developed coconut convenience food products-IMRB International, Mumbai	2008-09	12.89	12.89	12.58
19	Market Promotional Programme -Kiosk (at Veli Tourist Village)- Shri.A.Sukumaran Nair,Thiruvananthapuram	2008-09	1.87	0.63	0.46
20	Market Promotional Programme - M/s. Cheekanal Industres & Trading Company	2008-09	16.00	8.00	7.99
21	Market promotional activities of activated carbon - M/s.Indo German Carbons Limited, Binanipuram	2008-09	24.00	10.00	7.23
22	Market promotional activities of VCO - M/s. Keratech Coconut Oil Manufacturing Company (P) Ltd., 1/332 B, P.O. Engandiyur, Trichur	2008-09	10.00	10.00	3.84
23	Setting up of retail outlet for tender coconut & other coconut products - Anaswara Kudumbasree Unit,Kozhikode	2008-09	1.00	0.40	0.15
24	Exp in connection with conduct of wrkshop meeting etc. & cost of coconut products supplied to IICT, Hyderabad, Cost of VCO 200 ml supplied to IICT	2008-09	-	-	0.73
25	Market Promotional Programme for ' Genuine Shell Carb ' brand Activated Carbon - M/s.Genuine Shell Carb(P) Ltd., Coimbatore	2008-09	10.70	5.35	4.35

26	Market Promotional Programme - M/s. Kerala Industrial Infrastructure Development cooperation, Kinfra house, Trivandrum		-		5.00
27	Market Promotion of 'AMRUTHAM' Brand Coconut water based vinegar.- M/s. Jaimatha Estates, Monippally P.O. Kottayam Dist, Kerala.	2009-10	8.00	4.00	3.47
28	Market Promotional activities for promoting COCO COOL N FRESH Tender Coconut Water -M/s. Sri. Jayalakshmi Food Products, Brahmanagudem, West Godavari, AP	2009-10	20.00	10.00	2.50
29	Market Promotional Programme -Anjarakandy Farmers Service Co-operative Bank Ltd., Kannur	2010-11	-	25.00	22.84
30	Market Promotional Programme for establishing a tender coconut stall at International Airport, Kozhikode- Mr. Muhammed Basheer, Nediyyiruppu, Malappuram	2010-11	2.2.	1.10	1.03
31	Market Promotional Programme for reimbursement of 50% of expenditure incurred for Agmark grade coconut oil -M/s. Anand Oil Mills, Muvattupuzha.	2010-11	20.00	10.00	4.55
32	Market Promotional Programme -Kodur Service Co-operative Bank	2010-11	30.00	25.00	17.44
33	Market Promotional Programme for promoting Agmark grade coconut oil under the brand name "DOUBLECOCK" -M/s. Ramananda Oil and flour Mills, South Bazar, Cannanore District	2010-11	23.58	10.00	3.97
34	Market Promotional Programme to promote coconut oil under the brand name SILVERDROP- M/s. Silver oil mills, Malappuram	2010-11	21.00	10.00	4.90
35	Market Promotional Programme for promoting coconut milk under sanctioned project -M/s. Dinesh Foods, Kannur, Kerala	2010-11	53.00	25.00	1.28
36	Market Promotional Programme for 56th summer fancy food show 2010 scheduled to be held at Javits Center, New York-June 27 - 29, 2010	2010-11	-	-	9.52
37	Market Promotional Programme for 57th scheduled to be held at Walter-E Washington Convention center, Washington DC, USA from 10th to 12th July 2011	2011-12	-	-	8.45
38	Market Promotional Programme for the participation of Gulf Food 2010	2011-12	-	-	0.69
*	Modernisation of coconut Processing and Value addition by the introduction of Modern Copra Drvers	2011-12	-	-	8.89

39	Market promotional programme for promoting product 'Anu Coco-100% Tender Coconut Water' - M/s. Anu Coco Food Products (P) Ltd, Hyderabad	2011-12	-	-	0.80
40	Market promotional programme for promoting "KERASREE" Brand coconut oil - M/s. Kotassery Co-operative Marketing Society, Kasaragod	2011-12	24.50	24.50	24.50
41	Market Promotional Programme Coconut processing for the production of good quality filtered coconut oil under the brand name "CHOMS" M/s. Chettor Oil Mills Peringuzha, Muvattupuzha, Ernakulam	2011-12	27.00	10.00	3.20
42	Market Promotional Programme for promoting the Agmark grade coconut oil under the brand name "CRYSTAL" - M/s. Modern oil mills, Kozhikottri P.O., Palakkad	2011-12	23.50	10.00	1.67
43	Market Promotional programme by Kavalangadu Coconut Producers Society -M/s. Kavalangadu Coconut Producers Society, Nellimattom, Ernakulam	2011-12	1.20	0.60	0.50
44	Market Promotional programme 5th Indexpo Muscat-2012 at Oman International Exhibition Center, Sultanate of Oman from 4th to 6th September 2012.	2012-13	-	-	7.60
45	Market Promotional Programme for M/s.Amma Chill Trill Coconut products & Bakery, Kunnumpuram, Edappally North P.O.Ernakulam	2012-13	3.570	1.500	1.194