MINUTES OF THE SECOND CONSORTIUM ADVISORY COMMITTEE (CAC) MEETING FOR THE PROJECT "A VALUE CHAIN ON CASHEW FOR DOMESTIC AND EXPORT MARKET" UNDER NAIP COMPONENT 2 FROM 11 TO 12 JAN 2010 AT CEPCI LAB AND TECHNICAL DIVISION, KOLLAM.

CONSORTIUM ADVISORY COMMITTEE (CAC):

Chairman	:	Dr. K.V. Peter
Members	:	Dr. R.T Gunjate, Agricultural Expert.
	:	Smt. Rajasree Pratap, Surya Exports, Kollam
	:	Shri Prakash Rao, Kalbhavi Cashews, Mangalore
Consortium Leader	:	Dr. V.P Potty, Principal Scientist, CEPCI, Kollam
Consortium Partners	:	Dr. D. Balasubramanian, CCPI, DCR, Puthur, Karnataka
		Dr. V. Palanimuthu, CCPI, University of Agricultural Science, Bangalore
		Dr. K.A. Ratheesh, CCPI, KSCDC, Kollam

CAC members did not attend the meeting due to busy schedules.

As per the programme schedule, the meeting was started at 11.00 AM on 11th January, 2010. Dr. Prabhakumari, Co Principal Investigator of the NAIP project welcomed the dignitaries and participants. The dignitaries were Dr. R.K Goyal, National Coordinator, NAIP, Dr. KV Peter, Chairman, CAC, Consortium partners Dr. D. Balasubramanian from Directorate of Cashew Research, Puthur, Dr. V Palanimuthu from UAS Bangalore and Smt. Priya from KSCDC were present apart from Co Principal Investigators of CEPCI, Dr. Prabhakumary and Smt. M. Haseena, Project team of CEPCI, RAs from UAS and DCR, Smt. C.B Mayarani, Microbiologist, Sri. G.T Pradeep Kumar, Chemist, Shri. Aravind Gopal, Biochemist of CEPCI Laboratory.

Dr. R.K Goyal in his talk on "Role of NAIP and its importance in the Indian scenario", explained in detail the finance management as well as technical auditing by the NAIP-ICAR on each sub project at specified period. He also reminded that the rules and regulations to be followed very strictly while making purchase of equipments and other items. He emphasized the role of the project and its importance to the cashew industry. He congratulated CEPCI for their valuable contributions to Cashew industry.

Dr. K.V Peter, Chairman, gave an observation on NAIP-ICAR project on Cashew. He elaborated the need for baseline survey and its timely completion and also project in time.

Dr. V.P. Potty, CPI, introduced the project in detail and the progress made.

Dr. Sabna Prabha, Research Associate of the project, thanked Hon. Guests and audience. She expressed gratitude to NAIP and ICAR for awarding the sub project to CEPCI.

Interactive business session started with a detailed power point presentation by Dr. V.P. Potty, CPI on roles and technical programme assigned, reports from baseline survey,

objectives carried out and the achievements of the project team and the activities proposed for 2010-11. That was followed by Dr. D. Balasubramanian, CCPI, DCR Puthur and Dr. V. Palanimuthu, CCPI, UAS, Bangalore. Presentation closed at 17.15h for the day.

On second day, National Coordinator, NAIP along with Chairman, CAC and other delegates visited Cashew factories of Kerala state Cashew Development Corporation (KSCDC) & M/s. Aneesh Industry, Kollam a fabrication unit, manufacturing machines and equipment for cashew processing industry.

Dr. K.A. Ratheesh, CCPI, KSCDC started second days programme with his presentation on tasks allotted to them and objectives carried out and requirement of NAIPs help on marketing side. They mainly concentrated on value addition and marketing. They exhibited a few of their recently developed value added products from cashew nut.

Shri. T.K. Shahal Hassan Musaliar, Chairman, CEPCI joined the session and thanked NAIP for selecting his institution and assured all possible help in future also. He emphasised the need to highlight the innovations taking place. He made forecast on participations of MNC in value added products from Cashew. He suggested direct participation of Government in the cashew industry like Brazil and Vietnam.

Dr. R.K. Goyal, National Coordinator, NAIP, observed on the presentations by Consortium partners, expressed his happiness on various results and timely procurement of equipments by CEPCI and the products of KSCDC and asked for better result. Also asked the partners to speed up the pace of activities. He urged consortium partners to share and to depend on each other for more results and the need to publicise the technology produced. He said, on his visit to various factories in the morning, surprised by the conditions of women in the factory and need for their betterment without causing any harm to their social bond with the industry. Instructed Consortium Partners to submit "SoE" in time to avoid technical difficulties at NAIP centre.

Dr. K.V. Peter, Chairman, CAC, on his closing address expressed satisfaction on the results produced by CEPCI. He urged all partners for timely procurement of equipments and goods within the allotted time frame (i.e. financial year) and on economical use of funds. Any new technology produced must be patented with NAIP-ICAR.

The meeting closed at 1600h with a vote of thanks by Mr. S. Sisu Pramod, Senior research Fellow, NAIP Project.

Recommendations and ratifications of the meeting are attached as Appendix I.

Appendix I

CEPCI, Kollam

Sl.No	Point	Recommendations
1	Utilisation of fund: Excess spending the actual amount allotment for Equipments due to sudden hike in foreign exchange.	Timely procurement of goods is certainly a commendable job. But, for additional allotment, forward case to NC, NAIP
2	Patenting the technology produced :	Chairman congratulated CPI and his project team for their new ideas on Anacardic acid extraction, polymerization of residol from CNSL and new methods to cut open RCN using bio-catalyst with out thermal application and emphasised on patent right to ICAR
3	Additional requirement of fund as well as disbursement balance amount allotted for 2009-10 (Justification attached as appendix i)	The National Coordinator agreed in principle and instructed to submit the details immediately for releasing necessary funds at the earliest.

KSCDC, Kollam

Sl.No	Issue	Remarks
1	Patent right of items produced:	Chairman congratulated CCPI and staff for their new ideas on value added product with the help of CFTRI, Mysore and their success in Indian market. He apprehended that whether the technology for value addition can be transferred to any new entrepreneur as the technology was developed with the association with CFTRI, Mysore. He instructed CCPI, ICAR-NAIP symbols must be put in all the value added products.
2	Additional requirement of funds for set up lab and also funds for marketing.	Chairman instructed CCPI to avoid asking funds at frequent intervals. For setting up lab, problem can be solved by taking assistance from nearby CEPCI Lab (Consortium leader) for analytical purposes. On funds for marketing, it can be met from the operational head. The National Coordinator has asked KSCDC to give the proposal accordingly through CPI, Kollam and assured to argue the case in the forthcoming RPC meeting.

UAS Bangalore

Sl. No	Issue	Remarks
1	Non utilisation of funds: Equipments not purchased	CCPI has assured, that the procurement will be completed in time and process is already on.
2	Recruitment of RA	CCPI has informed new RA is recruited.

DCR, Puthur

Sl. No	Issue	Remarks
1	Non disbursement of fund on non recurring and hence delay in purchasing equipment	The National coordinator has remarked that the funds will be released with in a short time so as to complete the purchase with in this financial year itself.
2	Some of the equipments from the list approved in the project proposal may be changed with the actual requirement of Project team. (List of equipments approved and the list of equipments now proposed is attached as Appendix ii)	The National Coordinator has argued in principle to change some equipments as per their requirements. The CCPI of DCR, Puthur may submit the proposal in fresh through CPI, Kollam.

Sl No	Equipments name	Allotments as per NAIP in Lakhs	Estimated Cost in foreign currency as on 04 Aug 2009	Estimate in INR as on 04 Aug 2009	Contract Value		Customs duty as on Dec 2009	Total
					In foreign currency as on 16/12/09	INR as on 16/12/09		
1	Thermo Gramimetric Analyser	8.5	1385000 Jap yen	650950	1385000 Jap yen	724329	165728	890057
2	UV -Vis NIR spectrophotometer	18.5	3640000 Jap yen	1710800	3640000 Jap yen	1903620	415392	2319012
3	HPTLC	20	42000 Swis Franc	1848000	42000 Swis Franc	1946280	426824	2373104
4	Electrophoresis	5	–	219881	--	219881	--	219881
5	Microscope	5	6445.7 Euro	425162	6445.7 Euro	455002	98992	553994
6	Fermentor	6	16678 Swis Franc	733832	16678 Swis Franc	768856	168688	937544
7	Orbital Shaker	4	2083 Swis Franc	91652	2083 Swis Franc	96027	21970	117997
8	Centrifuge	5	5800 Euro	382800	5800 Euro	409248	89075	498323
9	Water Activity Meter	3.5	Not Purchased due to lack of funds					
10	Basket Centrifuge	1						
Total		**76.5**		**6063077**		**6523243**	**1386669**	**7909912**

Appendix (i) cont.

DETAILS OF FUND REQUIRED

Sl. No.	**Nature of requirement**	**Amount**
1	Alloted amount not received	1328400
2	Excess spent on eight equipment due to hike in foreign currency	259912
3	Alloted fund for Two equipments (Not purchased)	450000
3	Outstanding loan from CEPCI	99209
	Total	**2137521**

Appendix ii

APPROVED LIST OF EQUIPMENTS FOR DCR PUTHUR

Sl No	Item	No	Indigenous /Imported	Appx Cost in Lakhs	Year wise procurement	
					2009-10	2010-11
1	Autoclave	1	Indigenous	2	√	-
2	Bending Machine	1	Indigenous	2	√	-
3	Workshop tools and gadgets	1	Indigenous	1	√	-
4	Lab model multi channel data logger	1		7	-	√
5	Multi purpose lathe machine	1	Indigenous	3	√	-
6	Roasting Machine	1	Indigenous	7	√	-
7	Borma (electrically operated)	1	Indigenous	8	√	-
8	Electronic Balance	1	Indigenous	2	√	-
9	Water Activity meter	1	Imported	3.5	√	-
Total				**35.5**		

Appendix(ii) Contd..

REVISED MACHINERY/EQUIPMENTS BY DCR PUTHUR

Sl No	Item	No	Indigenous/Imported	Appx Cost in Lakhs	Year wise procurement		Remarks/Justification
					2009-10	2010-11	
1	Texture analyser	1	Imported	14	√	-	**To analyse cutting strength of RCN**
2	Hunter colour flex meter	1	Indigenous	5	√	-	**Is essential to study maturity of RCN based on surface colour**
3	Humidity Chamber	1	Indigenous	2.5	√	-	**To study moisture sorption isotherm in order to study shelf life of RCN and kernels.**
4	Workshop tools and gadgets	1		1	-	√	
5	Moulded Vacuum packaging m/c	1	Indigenous	6	-	√	
6	Roasting machine	1	Indigenous	6	-	√	
7	Borma (electrically operated)	1	Indigenous	5	-	√	
8	Water Activity meter	1	Imported	3.5	-	√	
Total				**43**			