

## THIRTEENTH KERALA LEGISLATIVE ASSEMBLY

# COMMITTEE ON PUBLIC UNDERTAKINGS (2011-2014)

# **ELEVENTH REPORT**

(Presented on 21st June, 2012)

SECRETARIAT OF THE KERALA LEGISLATURE THIRUVANANTHAPURAM 2012

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## **ELEVENTH REPORT**

On

The action taken by Government on the Recommendations contained in the Seventy Sixth Report of the Committee on Public Undertakings (2004-06) relating to Kerala Forest Development Corporation based on the Report of the Comptroller and Auditor General of India for the years ended 31-3-1997, 31-3-1999 and 31-3-2001 (Commercial)

824/2012.

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## COMMITTEE ON PUBLIC UNDERTAKINGS (2011-2014)

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#### INTRODUCTION

I, the Chairman, Committee on Public Undertakings having been authorised by the Committee to present the Report on their behalf, present this Eleventh Report on the action taken by Government on the recommendations contained in the Seventy Sixth Report of the Committee on Public Undertakings (2004-2006) on the working of the Kerala Forest Development Corporation based on the Reports of the Comptroller and Auditor General of India for the years ended 31-3-1997, 31-3-1999 and 31-3-2001 (Commercial).

The Statement of action taken by the Government included in this Report were considered by the Committee constituted for the year 2008-2011.

This Report was considered and approved by the Committee at the meeting held on 9-2-2012.

The Committee place on record their appreciation of the assistance rendered to them by the Accountant General (Audit), Kerala in the examination of the statement included in this Report.

Thiruvananthapuram, 21st June, 2012.

K. N. A. Khader, Chairman, Committee on Public Undertakings.

#### **REPORT**

This report deals with the action taken by Government on the recommendations contained in the Seventy Sixth Report of the Committee on Public Undertakings (2004-06) relating to Kerala Forest Development Corporation based on the report of the Comptroller and Auditor General of India for the years ended 31-3-1997, 31-3-1999 and 31-3-2001 which was presented to the House on 10th March, 2005.

The Report contained 17 recommendations. Government furnished replies to the recommendations. The Committee (2008-11) considered the replies at the meeting held on 3-11-2009.

The Committee accepted the replies to the recommendations in the para No. 27, 28, 31, 32, 40, 41, 47 without any remarks. These recommendations and their replies form chapter I of the report.

The Committee accepted the replies to Para No. 29, 30, 33, 34, 35, 36, 37, 38, 39, 45 with remarks. These recommendations, replies and the remarks of the committee form chapter II of the Report.

CHAPTER I THE RECOMMENDATION OF THE COMMITTEE AND REPLY FURNISHED BY GOVERNMENT WHICH HAVE BEEN ACCEPTED

		BY THE COMMITTEE WITHOUT ANY REMARKS			
Sl. No.	Para	Department	Conclusion/ recommendation	Action taken by Government	
(1)	(2)	(3)	(4)	(5)	
1	27	Forest and Wild life	that the Kerala Forest Development Corporation is primarily constituted with the broad objects of raising	Kerala Forest Development Corporation has the total area of 10717 Ha., out of which, 5988 Ha. area is under pulpwood plantations, 2227.258 Ha.area is under cash crop plantations, 1606 01 Ha	

planting, lack financial management.

forest plantation of all crop plantations. 1606.01 Ha. species for the area is having teak and development of timber softwood plantations and based industries in the 395.914 Ha. area is natural state, maintain and forest and untreated area. manage forest areas and Originally the KFDC was to maximize production having the plantations of of timber and to Eucalyptus terreticornis only. raise plantations for Due to heavy rain fall and high commercial crops like humidity in Kerala, most of the rubber, cashew and other plantations were suffering from agricultural produces. diseases and hence the But even though production of pulpwood 25 years have been plantations was comparatively elapsed, the Company poor. However, for the last few could not achieve years KFDC has been planting many of its stipulated Acacia auriculiformis and object due to improper Acacia manjium which provide planning, unscientific pulpwood. These species are of disease resistant as compared maintenance procedures with Eucalyptus, growth rate and uneconomic poor was high and expected higher yield. On felling of Acacia Manjium Plantations, at the age of 8 years, KFDC collected

about 100 MT per hectare. Management Plan for forest plantations approved by Ministry of Environment & Forest Government of India is in place.

During the year 2000, KFDC has established a Central Nursery at Kandanchira for raising quality seedlings by adopting modern nursery techniques using the root trainers and mist chamber method for raising clonal propagules. From 1998 onwards, KFDC started planting clonal propagules of Eucalyptus, which have very high survival rate. Hence, higher yield from these disease resistant plantations is expected at maturity.

As far the area for raising plantations of commercial crops like rubber, cashew and agricultural produces are concerned, KFDC has taken these land on lease from Forest Department and the status of the areas remains as the reserved forests.

Hence, cultivation/plantation of agricultural crop is against Forest Conservation Act, 1980, under which the forest land cannot be put to use for any non–forestry purpose.

> Earlier, the operations of planting, maintenance etc., were carried out as per the availability of However, KFDC have started the system of preparation of Annual Plan of Operation of the activities to be carried out in a particular financial year. As per the Annual plan of Operations (A.P.O.) the KFDC is carrying out timely operations of planting and maintenance. Besides, KFDC is able to have more financial control and discipline by way of A.P.O. and budget.

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opines that there exists Management in 1981 and again revised Plan of Operations. to 6 years from April 1993. But the Committee learns that the Company had made the first extraction from 5078 Ha. and the second extraction was implemented only

The Committee strongly The Company has prepared a an overall mismanage- harvesting the plantations, ment and lack of proper replanting and maintenance for the the pulpwood divisions. The extraction of matured plan for five years (2002-07) pulpwood from the has been approved by Ministry Company's plantations. of Environment & Forests, In the Project Report, Government of India. The crop rotation period was operations of harvesting, envisaged as 10 years replanting and maintenance are which was reduced to 8 carried out with reference to the years by Government in Management Plan and Annual

> The KFDC has taken necessary steps to timely replant the felled plantations within the fund constraints of the Company.

> from 2298 Ha. and only after a gap of ten years. The witness could not offer any convincing explanation for not conducting the second extraction from 2780 Ha. Moreover, it is really surprising to note that there occurred a delay of 5 to 8 years in felling even after the first rotation crop from 682 Ha. economic loss on this account is ₹ 1.11 crore apart from loss of interest of ₹ 90.83 lakh. The committee therefore recommends that the Company should be more serious, practical and vigilant in the management of plantations and keen and timely steps should be taken to avoid such unhealthy events in future.

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Punalur Divisions, only of

Forest and The Committee is highly In compliance with the perturbed to note that in recommendation contained in Thiruvananthapuram and the 76th report of the Committee Public Undertaking one crop was obtained (2004-06) on Kerala Forest from 556 Ha. and two Development Corporation crops from 846 Ha. out of Limited, based on the report of the total area of 3595 Ha.  $\,$  C & AG  $\,$  of India for the years instead of three crops. ended 31-3-1997, 1999 & 2001, The Committee cannot the company conducted a

(2)(3)(4) (5)(1)

> stand per Ha. Company has situation. exact number of crop are detailed below: rotation, it was forced to The original extent of planted loss of crop. of proper maintenance are the main reasons for this huge loss. The Committee therefore recommends that a detailed enquiry should be conducted within no time to find out the exact reason for this major loss and the facts should be intimated to the Committee without fail.

> agree with the contentions detailed study on the reasons of the witness that it is, for the failure of crop rotation mainly due to the absence of the pulpwood plantations of adequate number of raised by the company. The Coppice growth and study was conducted by the negligible percentage of Divisional Manager (H.O.) of The the company based on the not records available such as conducted any detailed plantation journals, files and study to ascertain the exact other connected records of the reason for this poor Punalur and Trivandrum When the Division in August 2007. The company failed to get the observation in the study report

> prepone the replanting of area in question was 3506.963 seedlings by 14/7 years Ha. ie., 1544.153 Ha. in incurring a whopping Trivandrum & 1962.810 Ha. in additional expenditure of Punalur Division. As per the ₹ 1.41 crore apart from project report Eucalyptus was huge loss on account of to the extracted at a rotation age The of Ten years and Two crops of Committee has many coppice crop is also expected reasons to believe that to be harvested at 8 years and poor upkeep and absence 6 year rotation age respectively.

# Harvesting

First Crop:— The entire area of 3506.963 Ha. was extracted in the first rotation during the period between 1989 & 1994. The details of crop obtained MT/Ha. during the first selling in Thiruvananthapuram and Punalur Division are appended in Annexure I & II.

But the second and third rotation crops envisaged in the original project report was

obtained only from 2771.637 Ha. and 204.230 Ha. respectively, out of the total planted area of 3506.963 in the two Divisions. The reasons for the loss of two crops from 771.158 Ha. and one crop from 2567.2 Ha. are explained below:

1. The plantation of Punalur and Trivandrum Division fall in the high rain fall areas with high atmosphere humidity. The humid climatic conditions are condusive for the fungus growth and the Eucalyptus plantation in the area was badly affected by fungus.

Even coppice shoots from the stumps of the felled trees are also affected by fungus. There is no economical or effective measures against fungus attack (Punalur Division) in such vast area of the plantation.

The fungus infection affected not only the stand per Ha. but also the per Ha. productivity. The coppice vigour of the stumps were also affected by fungus and this fact has been recorded in the plantation Journals in respect of all affected plantation. For instance in the plantation Journals in respect of 1997 Eucalypts plantation of Block IX & X of Punalur Division it has been recorded that coppice

available in the area are less than 15% and the stock is whippy and unhealthy. Similar observations have been made in the Journals in respect of the following plantation as well.

1977 Eu. Plantation: Punalur

1978 do. : Kadessy1978 do. : Sanhily

Similarly the correspondence with KFRI (File No. P/PI-274/80 dated, 1-7-93) from Punalur Division also mention about the occurrence of large scale fungus infection.

II. The harvest of I rotation crop did not take place at the planned rotation age and 10 year, and the Ist felling started only in 1987 in Trivandrum and in 1990 in Punalur Division, which mean that it was delayed for 3 to 6 year. The reason for the delay was that the company was not allowed by Government to dispose of the pulpwood by direct sale to the consuming industries. Government wanted to supply the available pulpwood to the wood based industries in the State as per its policy/ comittmance made by it under terms of the contract with such industrial units. Even in the

case of allotment made as per Government order fixation of selling price done later was on an understanding of no profit no loss basis with Government subsidy and this arrangement delayed the supply on account of problem of setting pricing structure with each purchasing company where the company had to wait for order from Government. The delay in felling affected the coppice vigour and consequently the stock in. The coppice plantation was not adequate and growth was poor and hence the plantation never reached a stage of over crowding. On analysis of the condition of the crop after the first rotation felling, it was decided to go for replanting area which were poorly stocked, in order to enhance the productivity of the Plantation. Accordingly 711.158 Ha. was replanted after first crop. During the second rotation an area of 2771.837 Ha. was felled and of this 2567.230 Ha. was replanted. The reason for not waiting for three crops from the original planting are detailed below:

(i) Only those Plantations which average yield in the first crop have been taken up for replanting. Similarly the

Plantations taken up for replanting before the third crop i.e. after second rotation also were those which yielded much less than the average quantity expected from such Plantations.

- (ii) The Eucalyptus Plantations were severely affected by the fungal diseases because of the climatic conditions of the region, which was not anticipated at the time of original planting.
- (iii) Because of delayed first felling the coppice vigor had reduced which also resulted in the low yield.
- (iv) Even as per the original plans, the plantations was to be replanted after 24 years. Had these plantation which were replanted after 1<sup>st</sup> and 2<sup>nd</sup> felling, been retained for the subsequent coppice (2<sup>nd</sup> & 3<sup>rd</sup>) the yield obtained would have been for less as detailed below:

Yield obtained/obtainable for second crop.— A compilation of data of the yield obtained from the area left for coppicing and the estimated yield from the area that had been replanted in Punalur and Trivandrum Division are appended in Annexure III.

Estimated quantity obtainable at the Mean Annual Increment (MAI) for the 2<sup>nd</sup> & 3<sup>rd</sup> rotation were worked out in respect of areas which have been felled and replanted after second crop respectively.

Estimated yield & Revenue for the third coppice crop.—Based on the yield revenue date for the first and second rotation and on the yield at the mean Annual Increment, the estimated yield and revenue from the Plantations if had been retained for the third rotation are worked out and details in Thiruvananthapuram and Punalur Division are appended in Annexure IV.

Replanting Details and Expected Revenue.—Replanting of the areas had been resorted to with suitable species instead of leaving the limited area with Kerala Forest Development Corporation of its own fate. Diversification of species were adopted to avert any situation of vast devastation of fungal or other diseases. The replanting details with estimated yield and revenue are appended in Annexure V.

Statement of Revenue—By retaining Eucalyptus Plantation for 3 rotations and by earlier replanting:

(A) Estimated revenue from 2<sup>nd</sup> & 3<sup>rd</sup> crop if retained for 3<sup>rd</sup> rotation.— In order to find out the financial impact of the early planting of the Eucalyptus area, it has been decided to compare the yield & revenue that would have accrued to the company, had the plantations been retained for 3 rotations as envisaged in the plan. The details of anticipated revenue without going for early planting are detailed in the table:

Total for 2nd	& 3rd Crop		091.93
Total J	& 3rd	Total	422.48 749.46 1091.93
	(2	Punalur Total	422.48
$3rd\ Crop$	(2nd Coppice)	Trivan- Punalur Total Trivan- drum drum	326.98
	(2na	Total	342.47
2nd Crop	pice)	Punalur	164.52 177.95 342.47 326.98
	(Ist Coppice	Trivan- drum	164.52

(B) Expected Revenue due to Early replanting.— After analyzing the yield expected from the replanted area as per the sample plot data, the revenues expected is detailed in the following table:

Division	2nd Crop	2nd Crop 3rd Crop Total Remarks	Total	Remarks
Trivandrum 164.52	164.52	1311.18 1475.70	1475.70	
Punalur	177.95	1533.32	1711.27	
Total	342.47	2844.50 3186.97	3186.97	

From the above details it can be seen that additional revenue of  $\ge$  2110.53 lakhs due to early planting is expected to come from these plantations. From, the analysis of the results of yield expectation from the original planting and the replanting activities, it can be concluded that the replantation activity has resulted in enhancing the productivity of the plantations. The additional expenditure of ₹ 1.41 crore incurred is expected to result in flow of additional revenue of (1) (2)(4)(5)(3)

> ₹ 21.10 Crore. The replanted areas are due for felling during the current year. The estimated yield from pulpwood sector for 2007-08 allotment is around 60000 MT, which is almost 3 times more than the average annual yield, which used to be harvested in the earlier years.

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The projects in future.

Committee As has been mentioned in the understands that the above paras for providing Company had executed materials to the pulp and paper gap filling in eucalyptus industry the species which was felled area of 353.19 Ha. planted by Forest Department during 1995-1998 at an as well as in KFDC was mainly overall cost of ₹ 35.46 Eucalyptus terreticornis. Under lakh. The Committee is the adverse conditions of heavy grief stricken to note that rainfall, high atmospheric the entire augmentation humidity coupled with high had failed as the Company moisture in the soils, the made no effort to maintain plantations were infected with the same in subsequent the fungal disease and as a years, due to paucity of result, there were large gaps in funds. The Committee these plantations. However, opines that absence of now the Company has proper planning and diversified the pulpwood effective management and plantations by growing species unscrupulous spending of like Acacia auriculiformis, money led the Company Acacia manjium, Eucalyptus to the present pathetic pellitta which are disease situation. The Committee resistant and by raising clonal therefore recommends plantations of Eucalyptus that the Company should which are tested in the field. evolve a suitable and Besides, the Company has detailed plan before prepared a scheme for planting embarking any such 300 Ha. with root trainer seedlings of Acacia auriculiformis, Acacia manjium and

> clonal propagates of Eucalyptus and Casuarina for better productivity and executed the same during 2005-06 with finance from bank.

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The Committee recommendations of South India (UPASI) were not at all implemented in the tea estates of the Company in Wayanad District, which resulted in a revenue loss of ₹ 2.34 cannot understand the reason for not following the agronomic practices recommended by UPASI. The Committee therefore recommends recommendations of **UPASI** should implemented in the Company without any alterations in a time bound manner.

is KFDC has taken the following aggrieved to note that the actions as per recommendation of of UPASI, for implementation United Planters Association in Tea Estate of the Company.

- 1. Lopping shade trees and pollarding the shade trees.— Due to fund scarcity, a minimum number of shade trees were lopped in the crore. The Committee previous years. Some trees were pollarded. During 2005-06, lopping has been done extensively. Even though, the shade is in excess during the rainy season, considering the heavy drought and dry winds experienced in the estate during the dry months, is not advisable to thin the trees. The main draw back of excess shade trees is the chances of fungal attack, but in the area, fungal attack has been kept under control in previous years and this year also.
  - 2. Pruning.— As per the directions from UPASI, pruning has been regularized. More than half the area due for pruning was pruned during May/June and the rest during

August. Mechanical pruners are being used to save manpower and also to timely execute the operations. Pruning is now in conformity with the recommendation of UPASI.

- 3. Manuring.—During the last few years, 1-2 dozes of manure had been applied. However, during 2005-06, one doze has already been applied and the second doze will be applied soon after the heavy rains are over, as recommended by UPASI. Thus, 2 dozes of fertilizer will be applied as required.
- 4. Zinc and Magnesium Deficiency—Application of micronutrients.—In the previous years, only 1-2 dozes had been applied. However, during 2005-06, the application of the micronutrients is being done as per the recommendation of UPASI.
- 5. Weed Control.—By applying chemical and by manually pulling out the overgrown weeds, now the weeds in the estate are fully under control.
- 6. Blister Blight.— Blister blight (fungal attack) is under control in all the fields. Constant vigil to check the outbreak of any blister attack is being

maintained. On detection, local application of fungicide is immediately carried out, for which chemicals and sprayers are always kept ready. Moreover, prophylactic sprayings are done in all the fields and additional periodic sprayings are carried out to the pruned fields.

- 7. *Bunji Removal*.—Growth retarded green shoots (Bunji) are removed periodically to enhance better shoot formation.
- 8. Optimum bush height.—of 28 inches in tipping fields, 32 inches in 12 month old fields, 37 inches in 24 month fields, 40 inches in 36 month fields and 42 inches in 48 month fields are being maintained as recommended by UPASI.
- 9. Spraying Urea with Pottash.— During the drought period commencing from December, spraying of urea and potash are being done as recommended by UPASI.
- 10. Sheer Harvesting.—UPASI on 9-6-2000 observed in the field, that 40-50% of the area was having over grown crop. This was due to shortage of workers in the rush/peak

(1) (2)(4) (5) (3)

> period. It was recommended to adopt sheer harvesting in 3rd and 4th year fields during high cropping months. Sheer harvesting is beneficial when the prices of GTL are low. Now, sheer harvesting is implemented as per the recommendation of UPASI.

> Thus, the recommendations made by UPASI are being followed.

#### 15 41 Wildlife

sanction for the sale of Government Company and tenderers as it involved The Alnus and Mesopsis trees

Forest and The Committee is highly As recommended by the amazed to see that there Committee a detailed enquiry was deliberate intention to has been conducted with violate the provisions of reference to the files and Forest Conservation Act records connected with the in the sale of wind fallen subject, studied relevant trees. Even though aspects of the matter and it is Government has accorded submitted as follows. in 1120 nos. of wind fallen No.7830/B2/97/F&WLD trees in Pachakkanam dated 28-6-1997 directed Estate in 1997 the KFDC for the sale of wind Company included 72 fallen trees, on competitive nos. of standing trees also tender. Accordingly KFDC in the tender. The matter invited tenders for the led to protracted legal collection of 1192 trees from dispute between the Pachakkanam Estate including the 72 Alnus and Mesopsis trees.

> standing trees. The are exotic species. They are not Committee finds that the local species. They are not part effort of the company to of the natural vegetation of the effect the sale has not estate. They did not grow materialized till March naturally in our forest area. 2001. The Committee They were raised/planted near

> about Forest Conservation Vandiperiyar. Act. Since as per the provisions of recommends that and facts may be intimated for removal. to the Committee.

opines that as most of the the Cardamom Nursery along officials of the Company the road side. These trees were including the Managing dangerous to the 11KV line Director were hailing from which had to be cut and forest Department, they removed as per letter dated were expected to possess 18-4-1997 from the Assistant a minimum knowledge Engineer, Electrical Section,

Act, As per the provisions under standing trees could be cut Forest Conservation Act, the only upon the prior forest land should not be put to permission of the Central non-forestry purpose to prevent Government. As the sale deforestation on environmental was delayed for more than considerations. Since the 72 four years, the loss is Alnus and Mesopsis trees were worked out to be ₹ 12.91 artificially planted, they were lakh. The Committee is also included along with the doubtful that there was wind fallen trees for removal. something fishy in the Hence there was no deliberate entire deal and therefore intention on the part of KFDC a officers to violate the provisions detailed enquiry should be of Forest Conservation Act. conducted in this regard At the same time with fair and delinquent officers intention and genuine interest, should be brought to book the 72 trees were also included

> For the removal of the wind fallen trees and Alnus and Mesopsis trees tenders were opened on 5-8-1997. The highest rate was 61% of the valuation. Since post offer quoting 10% above the highest tendered rate, was received, re-tender was conducted on 30-9-1997. Only one tenderer quoted 73% of valuation.

Considering the deteriorating condition of the timber, the Director Board at 105<sup>th</sup> meeting held on 21-11-1997 authorized the Managing Director to confirm the tender. Accordingly the tender was confirmed and communicated to the highest tenderer on 9-12-1997.

The successful bidder in the auction conducted 30-9-1997, filed O.P. in the Hon'ble High Court to direct the Respondents to get, among other things, necessary approval from the Central Government for the removal of the trees. In the judgment dated 20-5-1998, one of the findings is to issue a fresh tender for the removal of wind fallen trees for which only permission was obtained, in the interest of the Respondents. The Director Board of KFDC at 108th meeting, held on 14-10-1998, considered the matter and directed to seek Central Government's sanction for the disposal of the wind fallen trees.

However, after examining the legal aspects, action was initiated for inviting tenders for the disposal of wind fallen trees excluding the standing Alnus

and Mesopsis trees, and the Director Board of the company at their 109<sup>th</sup> meeting held on 16-11-1998 approved the action.

Tenders were again invited. The highest offer received was for ₹ 13.50 lakhs. This offer was 14.84% of the valuation. So the matter was placed in the 110<sup>th</sup> Board meeting held on 27-3-1999 for approval. The Director Board after detailed discussion resolved to once more tender the work by including fresh wind fallen trees also. Action was initiated for marking the fresh wind fallen trees and for valuation.

Meanwhile the Chief Conservator of Forests (Protection) vide letter No. 18947/95 dated 22-5-1999 asked the Managing Director to stop the collection of wind fallen trees. The Director Board at the 112th meeting held on 19-6-1998 decided to write to the Chief Conservator of Forests (Protection) to review his decision and accordingly KFDC addressed him. But the matter could not be resolved and as a result the wind fallen trees could not be salvaged.

As permitted by Government, KFDC initiated action for the

collection of the wind fallen trees. The Principal Secretary to Government (Forest) and the Principal Chief Conservator of Forests were the members of KFDC Director Board. Actions were taken based on the decisions of the Board of Directors. But due to the intervention of the Forest Department, the wind fallen trees could not be salvaged. Under such unavoidable circumstances, no deliberate delay was committed by the KFDC officials.

However the wind fallen hard wood trees were utilized by KFDC for cardamom curing purpose, while the softwood wind fallen trees had deteriorated.

The net amount of the sale proceeds from the wind fallen trees is due to the Forest Department who prevented the removal of the wind fallen trees.

Under the above circumstances, KFDC had not suffered loss due to inclusion of the standing exotic trees in the tender.

(i) As explained in the above paras, there was no deliberate intention on the part of KFDC officers to violate the provisions of Forest Conservation Act, nor

> there was any inaction on their part resulting in the reported loss due to non-disposal of the wind fallen trees.

> (ii) The procedure for the disposal of the wind fallen trees was followed as required. The procedure was open and transparent. There was no reason to suspect the deal for collection and removal of the trees. The deal was fair without any trace of suspicion. The matter was pursued as explained. As such there was no delinquency on the part of the officers in dealing with the matter.

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malpractices should have following the same rates. been avoided. Committee Company should future and also recommends that seigniorage rates months. The Committee

Forest and The Committee is much The Company has been displeased to note that the applying notified prices for Company suffered a loss of forest species which are revised ₹ 72.88 lakh, solely on by Government every year. account of the inordinate The seigniorage rates and delay on the part of the scheduled rates for Forest Company in disposing the Department are also revised by timber. The Committee is Government from time to time of the view that such and the Company also is

> The Recommendation of the therefore Hon'ble Committee is noted recommends that the for future guidance. Hitherto, be the Company is supplying prompt in taking action in pulpwood to industries on subsidized rates under Government Orders. But for should be revised every six the last two years, supply of raw-materials on the subsidized

Management.

also suggests that all rates has been stopped and the concerned officials should rates are fixed by negotiation make an overall effort to with reference to the notified make the Company a prices. A Marketing Wing has profitable one with a proper been established especially for and efficient Finance better revenue mobilization and realization for cash crops through direct marketing of the products mainly cardamom, to consumers. Earnest efforts are being made to sell maximum quantity of produce by direct marketing besides auction sales by pooling.

> The Company has been following a proper and efficient financial management for utilizing the available resources in a profitable manner. Weekly and monthly returns from divisions were introduced to monitor the Revenue & Expenditure with the budgeted amounts and reviews of the Progress of Action Taken are carried out for monitoring and regulating the activities in the divisions.

CHAPTER II THE RECOMMENDATION OF THE COMMITTEE AND REPLY FURNISHED BY GOVERNMENT WHICH HAVE BEEN ACCEPTED BY THE COMMITTEE WITH REMARKS

	Para	Department	Conclusion/	Action taken by
	No.	Concerned	recommendation	Government
(1)	(2)	(3)	(4)	(5)

3 29

fixing the period of rotation Department. each plantation of the plantation Company.

Forest and The Committee expresses Tree plantation area of KFDC its deep displeasure for are the leased lands from Forest They without conducting proper adjoining to the plantations of study. The committee Forest Department. The understands that a common rotations of various species are rotation period was fixed fixed by the Forest Department for all varieties of planta- based on the scientific study, tions of the Company data collection and with the without considering the approval of the Government of climatic conditions, quality India in the form of working of soil yield obtained etc. plans. Since the species, the Hence the Committee locality factors and the nature recommends that a thorough of the areas are also the same scientific study should be as those of Forest Department, conducted in this regard to KFDC also has been adopting fix the rotation period for the rotations of various species, prescribed by the Forest Department, Hence it is not necessary to have a separate scientific study by KFDC for fixing rotation of various crops.

#### Remarks of the Committee:

The Committee reiterated its earlier stand that a thorough scientific study for fixing crops rotation be conducted, and directs to inform details in respect of action taken on the same.

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(1) (3)(4)(5)(2)

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actual realization was just 22 MT/Ha from seedling plantation and 19 MT/Ha from the second rotation which led to a loss of ₹ 37.17 crore. The the projected yield. Inspite diseases. that the very low yield might be due to heavy unforeseen casualties of seedlings in the initial years due to poor while preparing estimates and recommends that the Company should take adequate steps to reduce

The Committee is very In the pulpwood project, the much suprised to note that Company raised plantations of aganist the estimated Eucalyptus terreticornis in the average yield of 100 MT beginning. Due to very heavy pulpwood per hectare as rain fall and high moisture for the Project Report, the content in the soil, the eucalyptus plants became susceptible to fungal disease which caused large scale damage to pulpwood plantations for the past few years. Company has been planting Acacia manjium and Committee understands Acacia auriculiformis for pulp that the yield is far below wood. These are resistant to Besides, of additional years of Company started planting of growth ranging from 3 to Eucalyptus pellitta which is fast 8 years in the first rotation. growing and disease resistant. The Committee opines During the year 2000, the Company established Central Nursery at Kadanchira for producing planting stock from disease resistant high yielding varieties of Eucalyptus by adopting clonal multiplication maintenance and absence method of various clones for of adequate care and field planting. From, the Clonal protection from wild Testing Areas (CTA) in animals. The Committee Thrissur and Punalur Divisions opines that the Company which were planted with clonal should be more realistic propagules during 1998, the Company has obtained an average yield of 136.72 M<sup>3</sup> per Ha from an area of 18.72 Ha under Thrissur Division and 135.43 M<sup>3</sup> from an area of 9.80 the vast gap between Ha at Punalur, From other estimate and actuals. plantations also which were

> The committee emphasize the necessity of the implementation effective steps to reduce the casualties of seedlings in initial years to the minimum possible so that maximum yield can be obtained.

planted with clonal plant materials, the Company expect of high yield future. For raising pulpwood plantations, the Company is using root trainer seedlings. Field establishments of root trainer seedlings is much faster and better. Seedling mortality rate is also less with higher survival. Thus change in species by planting root trainer seedlings of disease-free Acacia and Eucalyptus pellitta and by using disease-resistant clonal planting materials, plantation performance in terms of survival and yield will be higher than those plantations raised with conventional basketted seedling of disease susceptible Eucalyptus species.

### Remarks of the Committee:

The Committee notices that yield of pulpwood obtained per hectare was shown as MT/HaM<sup>3</sup> per Ha and expresses desire to know the correct unit in this regard.

#### 33 Forest and Wildlife

facing grave financial problems. The Company tones of Eucalyptus to addressed M/s Grasim Industries Ltd. Industries Ltd. on 3-2-1998 to

The Committee is shocked The price for the year 1996-97 to note that the Company was fixed by Government on 9has adopted a lethargic 1-1998 and the price for the approach in the realization years 1994-95, 1995-96, 1997of huge dues, even when 98 was fixed during 1998. After fixing the rate by supplied 34004 stacked Government, the Company 1997-98 on the rates to be towards in January/May 1998 and the Purchaser amounts to be ₹ 1.05 crore. The committee is astonished to find that the Company has neither issued any invoice for the sale nor issued a debit note till 2001 which depicts the sheer negligence on the part of the Company. By the time the Company raised invoice, the GIL declared lockout. The Committee therefore desires to be furnished with the exact date on which the above invoice was raised and recommends that a detailed enquiry should be conducted in this regard and the officers responsible for the delay should be brought to book.

(GIL) from 1994-95 to pay the balance amount the value fixed by Government. The Eucalyptus wood supplied to Government fixed the rate them for the year 1996-97. Similarly on fixing the price for the amount due from the years 1994-95, 1995-96, 1997-98, the Company had written to the Grasim Industries Ltd. on 30-5-1998 for the payment of the balance amount towards the value Eucalyptus wood supplied to them. KFDC had written to Grasim Industries Ltd., on 30-5-1998 for the balance amount towards the value of Eucalyptus supplied during the year 1995-96. Similarly for the payment of balance amount after fixing the rate by Government for the quantity supplied during the year 1997-98, the Company had written to Grasim Industries Ltd. on 17-6-1998. However, the Company did not receive the payment of the balance amount as requested.

> After the decision of the 114th Board Meeting held on 28-12-1999, the company wrote to the Grasim Industries Ltd. on 11-1-2001 to make payment towards part value of Eucalyptus wood supplied for the period from 1994-95 to 1997-98 with 18 % interest from 30-5-1998 onwards pending finalisation of the

matter. It was also intimated that final invoice for the supply of wood made during the above period will be issued soon after getting the orders from the Government. The Grasim Industries Ltd. was reminded on 19-2-2001 and 10-6-2002.

The matter was again placed before the Board at its 120th meeting held on 6-10-2001. The Board in the meeting decided to issue legal notice to M/s Grasim Industries Ltd. to recover the balance amount due from them. The Board directed the Managing Director to take legal action to safeguard the interest of the Company. It was also decided in the meeting to request the Government to convene a meeting with M/s Grasim Industries Ltd. to resolve the issue.

As requested by the Company Government addressed the Grasim Industries Ltd. and requested them to pay an amount of ₹ 155.47 lakh as the balance value of the pulpwood supplied to them.

The matter was again placed before the Board at its 124th meeting held on 24-9-2002 and the Board decided in the meeting to issue invoice to

> Grasim Industries Ltd. relating to all unbilled Sales at the rate fixed by Government. Accordingly the invoices were raised and issued Grasim Industries Ltd. on 2-12-2002.

## Remarks of the Committee:

The Committee views that the reply furnished by the Government in this Para is not felt relating to the recommendation of the Committee. The Committee wants to be informed of the decision taken by the Company about the detailed enquiry as recommended by the Committee regarding the non-issuance of invoice and debit note to Grasim Industries Ltd. till 2001. Further, the Committee seeks the details regarding the action taken against those responsible for non-issuance of the invoice and debit note.

#### 8 34 Forest and Wildlife

Committee without fail.

The Committee understands Government as per letter dated that the Company has 1-10-2002 permitted the initiated revenue recovery Company to initiate Revenue proceedings against GIL Recovery Proceedings against which had been stayed by M/s Grasim Industries Ltd. for the High Court. The recovering the balance amount Committee desires to be due from them and accordingly furnished with the date on Revenue Recovery Proceedings which Revenue Recovery were initiated against M/s Proceedings had been Grasim Industries Ltd. vide initiated and the date of the letter dated 6-1-2003 which Court's stay order. The had been stayed by the Committee recommends Honourable High Court in May that urgent and necessary 2003. The above case filed by steps should be taken to M/s Grasim Industries Ltd. has vacate the stay order of the been heard and allowed as per High Court and the facts judgment dated 8th February may be intimated to the 2005. The OP is allowed on the ground that the R.R Proceedings are barred by time limitation, in judgement dated 8-2-2005. The Company filed an appeal in the case. The

> above writ appeal filed against the judgment in O.P. 14455 of 2003, came up for admission before the Division Bench. After hearing, the appeal has been admitted and notice is ordered to be issued to Respondents. The matter will be coming up for hearing shortly.

#### Remarks of the Committee:

The Committee desires to be informed about the present stage of the appeal filed by the Corporation countering revenue recovery procedure taken by KFDC against Grasim Industries which was stayed by the Honourable High Court.

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has not been realised so repeated

The Committee learns that The Company supplied an amount of ₹21.06 lakh 8671.9860 MT at 50 % moisture which is due from content (M.C) of Eucalyptus to Hindustan Newsprint Ltd. M/s HNL during 1994-95. On requests, far. The supplies were Government had fixed the price effected from December of ₹832 per stacked tonne on 1994 to July 1995. The 3-2-2001. The supply was Government fixed final made in MT at 50 % M.C and price only in February the price was fixed per 2001. The committee is of 2m³stack (stacked tonne). The opinion that there was Company had supplied a intolerable delay on the quantity of 12,606.800 m<sup>3</sup> of part of the Government as eucalyptus billets without bark it took pretty six year to which is equivalent to fix the rate. Further, the 6303.400 stacked tones. (2m<sup>3</sup> Company took another stacks). As per the weighment one and half year to issue details furnished by M/s HNL, the invoice. The Committee this quantity of 6303.400 expresses its displeasure stacked tonnes is equivalent to over such affairs and 8671.986 MT at 50 % M.C. recommends that immediate Thus, one stacked tonne gave steps should be taken to 1.3758 MT at 50 % M.C. Accordingly, KFDC asked

> realise the amount and the HNL to remit the balance fail.

> facts should be intimate to amount of ₹27 lakh. The above the Committee without conversion factor is not acceptable to HNL. HNL is their letter dated 12-6-2001 stated that one stacked tonne without bark is equivalent to 1.88 MT at 50 % M.C and that based on this conversion factor and quantification there would not be any balance payment for the supply made during 1994-95. The Government had vide letter dated 13/20-7-2004 informed HNL that the price of eucalyptus supplied by the Company during 1994-95 had been fixed at ₹832 per stacked tonne without bark, and therefore HNL is bound to pay the rate of ₹ 832 per stacked tonne as fixed vide G.O. (Rt) No. 41/2001 dated 3-2-2001. Government has in the above letter made it clear that the price is fixed based on stacked tonne. Accordingly, the invoice No.10 dated 21-3-2005 for ₹ 58,67,801.49 was forwarded for the supply to M/s HNL in letter dated 28-3-2005. Government in letter dated 23-6-2005 again directed HNL to effect payment @ ₹ 832 per stacked tonne.

## Remarks of the Committee:

The Committee wants to know whether the amount due from Hindustan Newsprint Ltd. has been realised. If not, the present stage of the recovery procedure initiated in this respect.

10 36 Forest and Wildlife

The Committee company intimated to Committee in time.

is Government in letter No. dated wondered to see that the 11-8-1994 directed Company had fixed the Company to allot 15000 tonnes price for the supplies to of Eucalyptus to M/s Western Western India Plywoods India Plywoods Ltd. and to fix Ltd. only in June 1999 the price by negotiation at a even though materials level not below the price paid were supplied in April to by the HNL and Grasim December 1995. The Industries. Accordingly, the Committee couldnot Company supplied 14871.67 understand the logic stacked tonnes of Eucalyptus to which persuaded the WIP Ltd. by receiving advance from payments from them on the negotiation and fixation basis of the prevailing price of of price, since the ₹ 720 per stacked tonne with Government had already bark. In letter No. C1-1140/95 been given clear cut dated 2-8-1995, 7-2-1997, direction to the Company 15-10-1997, 4-12-1997, 12-2-1998, in this regard. Even after 28-3-1998. 25-4-1998 the fixing the rate, the Company requested Government Company was reluctant to to fix the price for issuing raise invoice for the invoices and recovering our balance due of ₹55 lakh. dues from Western India The Committee could not Plywoods Ltd. The price was digest the untold lethargic not fixed either by negotiation attitude on the part of the or by Government. It was Company's official for necessary to fix the price to not claiming the amount realise the balance amount and due to it and recommends to raise the final invoices to that immediate steps settle the accounts. So the should be initiated to matter was placed before the recover the dues and facts Board of Directors in its 112th the meeting held on 19-6-1999. The Board of Directors decided vide Resolution No. 929 to work out the prices on the basis of replacement cost and in comparison with market

rate and selling price notified under Kerala Forest Produce (Fixation of Selling Price) Act as applicable in 1994-95 and place the details before the Board. The Director Board decided to fix ₹ 1060 per 2m<sup>3</sup> stacked (with bark) vide its Resolution No. 935 of the 113th meeting held on 24-9-1999. The price of ₹ 1060 per 2m3 was fixed considering the replacement cost of Eucalyptus. M/s Western India Plywoods Ltd. were informed accordingly vide our letter No. C1-1140/95 dated 31-5-2001 requiring them to pay the dues. The Western India Plywoods Ltd. objected to this. They proposed the rate to be fixed at ₹ 600 per stacked tonne. Government examined the matter in detail after holding discussions with all concerned and fixed the price at ₹ 720 per stacked tonne vide G.O. (Rt.) No. 374/2002/F & WLD dated 7-11-2002. In the letter dated 17-2-2003, WIP Ltd, requested. Government to clarify whether the price fixed at ₹ 720 per stacked tonne is inclusive of all charges. Government examined the matter in detail in consultation with the C.C.F(P) and M.D KFDC and clarified vide G.O. (Rt.) No. 372/2004/

> F & WLD dated 2-9-2004, that the price of ₹ 720 per stacked tonne fixed by Government Order dated 7-11-2002 was exclusive of all taxes. Meanwhile, the Company raised invoice No. 14 dated 1-9-2003 for the supply made in 1994-95 taking the price @ ₹ 720 per stacked tonne excluding taxes.

### Remarks of the Committee:

The Committee desires to be informed whether the amount due from Western India Plywoods Ltd. to KFDC has been received.

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The Committee opines KFDC management of the Delay in issuing invoice was and ineffective fiscal

had supplied that inordinate delay on eucalyptus  $\ wood\ to\ M/s$ the part of the Company Western India Plywoods Ltd., in fixing sales price of Hindustan Newsprint Ltd. and eucalyptus and raising Grasim Industries Ltd. as per invoices to Grasim the Government Orders from Industries Ltd., Hindustan 1989-90 onwards. However, newsprint Ltd. and Government did not fix the Western India Plywoods price of eucalyptus at the time Ltd., resulted in non- of allotment. Pending final realization of ₹ 1.81 crore, decision on the fixation of price the Committee feels that of Royalty rate, KFDC had had the amount been received advances at the rates realized with in the equal to the notified price and/ stipulated period, the or the amount equal to the accumulated loss could previous royalty rate. Hence, have been avoided. The no loss occurred to the Committee strongly Company due to delay in fixing believes that inefficient the price of eucalyptus wood.

Company resulted in due to the delay in fixing the such as a pathetic state price and settlement of some

not occur in future.

and recommend that urgent technical issues relating to steps should be taken to conversion factor etc. for which re-organize the entire decision of the Board of administrative machinery Directors and approval of so that such instances may Government was necessary. The invoices were already issued to the customers and the balance amount to be received from M/s Grasim Industries is ₹1.13 crore. Action was already taken to recover the amount from Grasim Industries. Finally Company had initiated revenue recovery proceedings against the M/s Grasim Industries Ltd. vide letter dated 6-1-2003 which had been stayed by the Hon'ble High Court during May 2003. The above case filed by M/s Grasim Ltd. has been heard and allowed on the ground that the R.R proceedings are barred by time limitation. KFDC filed an appeal against the judgement in the case of Hindustan Newsprint Ltd., the amount to be received from HNL is ₹ 5.39 lakh. Action has already been taken to recover the amount from M/s HNL.

## Remarks of the Committee:

The Committee wishes to be informed the reasons for the delay which occurred in realization of amounts due from Grasim Industries, Hindustan Newsprint, Ltd., Western Plywoods Ltd. to KFDC as mentioned in the replies furnished by Government. The Committee also desired to be intimated whether the amounts have been realized.

12 38 Forest and Wildlife

The Committee average vield Cardamom from four of Nelliampathy the estates of the Nemmara actual average yield of the Company ranged the cardamom plantations and The Committee cannot taken. tolerate the arguments of for the low yields, since fication of Areas remedial measure were not taken to tide over the anticipated and unexpected problems. It is really shocking to learn The Committee therefore recommends that the Company should evolve suitable practical solutions to enhance the average yield from Company's cardamom plantations.

is Cardamom Areas of the perturbed to note that the Company lie in various geoof climatic tracts ranging from Hills Division to Company was far below Mankulam, Kadalar and the projected yield and Koottakuzhy High Ranges in state average. The Munnar, Pachakkanam areas of projected yield was 100 Pamba and Gavi Divisions. kg per Ha. and State Some of these areas give good average was 149 kg to yield whereas other areas 214 kgs. per Ha. But the register a very low productivity.

from mere 13.75 kg per to increase their productivity, Ha to 43.22 kg per Ha. following steps have been

the Company's officials 1. Identification and classi-

The Cardamom areas are classifies into (1) Irrigated Intensive Management Areas (IIMA) which have good yielding potential. These are that the loss on this the areas treated with all inputs account is ₹ 28.35 crore. of fertilizer, insecticides, fungicides etc. coupled with irrigation, (2) Intensively Managed Areas (IMA) which are to be treated with all inputs without irrigation, General Management Areas (GMA) which are to be given cleaning by weeding and thrashing and (4) unproductive areas which will be protected as forests or returned to the

(1) (2) (3) (4) (5)

Forest Department. Details of category-wise areas are furnished below:

		ategory	Category and Area (Ha.)	(Ha.)
Division	II MA I MA	I MA	GMA	Unpro- ductive
Gavi	93.38	153.84	111.40	224.17
Pamba	74.94	36.00	113.94	101.88
Nemmara 54.25	54.25	8.50	25.00	184.33
Munnar	40.00	91.25	118.00	534.91
Total	262.57	289.59	262.57 289.59 368.34 1045.29	1045.29

2. Water Storage and Irrigation facilities.—The original concept was to grow cardamom purely under rain-fed conditions. Climatic conditions have changed with prolonged dry spells and under such unfavourable conditions without sufficient irrigation back up, profitable cultivation of cardamom has become difficult. Lack of irrigation facility is a significant factor in making losses. Therefore, steps have been taken for water storage and irrigation facilities by raising check dams and ponds for rain water harvest and storage and irrigating the cardamom areas to the possible extent during the dry periods.

Thus 252.45 Ha. of cardamom plantations could be brought under irrigation facility as detailed below:

Sl. No.	Division	Area (Ha.)
1	Gavi	93.98
2	Pamba	64.82
3	Nemmara	54.25
4	Munnar	40.00
	Total	252.45

3. Cultivation of high yielding varieties.—The cardamom plantations had been raised from seedling stock of low-yielding local Malabar, Mysore and Vazhuka varieties. Therefore, high yielding Njallani (green gold), Elarani and Wonder varieties have been planted by replacing the original poor performing varieties as detailed below:

	Var	Variety and Area (Ha.)	Area (Ha.	7
Division	Njallani	Njallani Elarani Wonder Total	Wonder	Total
Gavi	3.47	50.91	5.60	59.98
Pamba	17.80	24.52	:	42.32
Nemmara	37.75	9.50	:	47.25
Munnar	26.00	:	:	26.00
Total	85.02	84.93	5.60	5.60 175.55

As a result of irrigation and application of inputs, the high yielding varieties started giving good results. During 2004-05 we could harvest 200 kg. to 160 kg. per hectare from 2002 plantations in Gavi and Pamba Divisions.

4. Plant protection: (i) From Wildlife damage.— The Cardamom plantations particularly of Pamba and Gavi Divisions, located on the fringes of wildlife sanctuaries (Periyar Wildlife Sanctuary) have been sustain in heavy damage from wild animals like elephants. Due to damage from wild animals etc. cardamom stock depletion takes place recurrently affecting the plant productivity. Animal scaring by conventional methods of using crackers and torches have become ineffective. So, the Company has started erecting solar power fence around the productive potentially cardamom plantations to the possible extent. Thus, 217.67 Ha. of area has been provided with solar power fence, as detailed below:

Division	Area (Ha.) lei	ngth (Km.)
Pamba	98.92	8.45
Gavi	67.75	4.59
Munnar	51.00	5.70
Total	217.67	18.74

Solar power fence is very effective in preventing the animal entry into the fenced plantations leading to improvement in plant stock and productivity.

- (ii) From plant pests and diseases.—Timely identification of diseases and pests and application of pesticides and fungicides were not given due attention at various stages of the plantation crops. Now, such vital matters are being attended to according calender of operations for the application of fungicides and insecticides to control Azhukal disease. Borer attack, thrips, root grubs etc., within the available financial resources. As a result, the plants are protected from such diseases for normal productivity of the plantations.
- 5. Cardamom curing.—In the place of conventional firewood-fed curing houses, we have installed two gas-charged curing plants, one for pamba Division and another for Gavi Division. Their working is more economical and efficient than that of firewoood-fed curing houses. Recovery rate from green cardamom to dry cardamom and quality of

cardamom are also comparatively better with gas-charged curing houses.

6. Diversification of crops.—Some of the areas with older plantations where growing of cardamom has become difficult due to the changing factors of climatic conditions, were brought under coffee cultivation, Vanila, pepper vines, arecanut etc., as an effort to diversify the crops and the details are furnished below:

Species	Division wise Area in (Ha.)					
Species		Munnar	Nemmara	MNTDY		
Coffee	67.80	60.20	77.40	477.00		
Vanila	3.50	2.00	4.00			
Pepper	Interp	lanted				

Vanila started yielding and the details of yield obtained and expected are furnished below:

Division (	Yield (2004-05) Yi	Expected ield (2005-06)
Nemmara	40 Kg. (green	n) 300 Kg. (green)
Munnar	5Kg. (green)	100Kg. (green)
Gavi	Not yielded	

7. Revival Plan for the next five years.—Inspite of the efforts made in the previous years, the cardamom areas have been reeling under loss year

(1) (2)(4) (5)(3)

> after year. Under these circumstances, making the projects economically viable has become necessary. Hence a comprehensive Revival Plan for the next five years is being prepared by the Company for improving the productivity of the plantations and to make the cardamom units profitable by reducing the possible sources of expenditure, and increasing the productivity for better revenue.

### Remarks of the Committee

The Committee desires to be informed of the details in respect of yield of cardamom obtained after the evolvement of practical solutions aimed at enhancing the yield from cardamom plantations.

#### 39 13 Forest and Wildlife

cardamom is consider- Marketing specific reasons for the persistent lower price average price level.

The Committee is much The Company was earlier distressed to learn that following the practice of average price pooling and selling the realization by the cardamom in the auction Company in the sale of centers like Cardamom Corporation ably lower for many (C.M.C.), Kerala Cardamom years. The Company has Processing and Marketing not ascertained the Company Ltd., (KCPMC) at Vandanmedu/Kumily and realization and the getting the sale value as per the reasons adduced by the bid rates for each lot put up for Company are not at all auction. Financial stringency convincing. Hence the faced by the company was also Committee recommends one reason to sell the produce that earnest and timely immediately after harvesting efforts should be made to through auction centers without ensure the selling of waiting to canvas direct cardamom at the state consumers and sell the produce at better price than wholesale

marketing through pooling centers. However, during the past few years, earnest efforts, as detailed below, have been initiated to obtain maximum price for our cardamom.

- (1) As part of Marketing strategy, KFDC is directly approaching the consumers like Ayurvedic Pharmaceutical Companies who are bulk purchases of Cardamom for preparation of ayurvedic formulations etc., to sell as much quantity as possible for higher prices than those of auction centers.
- (2) KFDC is selling small quantities directly to retail merchants, bakeries and other such business establishments at better prices.
- (3) While negotiating with direct consumers, selective grades of produce have to be supplied and so higher grades will normally be sold by direct sale and some quantity of lower grades has to be pooled in bulk in the auction centers also. Cardamom capsules collected from local varieties are smaller in size as compared to high yielding varieties. Hence, produce collected from such sources is of inferior quality. Even then, earnest efforts are being made to sell maximum quantity of produce by direct

(1)	(2)	(3)	(4)		(5)		
				value is average and poo together The deta auction	ng. So that obtained when directly obtained and sof directly and 2004	abovect sale are are are are are are are are are ar	re state e value taken ale and 002-03,
					200	02-03	
				Mode of sale	Qty.sold Kg.	Sale value ₹	Average Rate ₹/Kg
				Direct Sale	6263 45	,52,200	726.84
				Auction Sale (poolin		,61,329	474.00
				Total	14197 83	,13,529	585.00
						2003-04	1
				Mode of sale	Qty.sold Kg.		Average
				Direct Sale	2777 13	,40,406	5 482.60
				Auction Sale(pooling	14898 38 g)	,93,422	2 261.30
				Total	17675 52	,33,828	3 296.10
					2	004-05	
				Mode of sale	Qty.sold Kg.	Sale value ₹	Average Rate ₹/Kg
				Direct Sale	4550 17,	79,990	391.20
				Auction Sale (pooling	7955 20, g)	18,253	253.70
				Total	12505 37,	00 242	202.72

> 4. *Retail sale.*—The Company has been contacting retail merchants and department stores to sell small quantities packed in pouches. Efforts to sell our cardamom in small packets through "SUPPLYCO" are also in progress through their retail outlets like Maveli stores etc. Thus, KFDC would be able to sell maximum quantity by direct marketing and retail sale to fetch better price higher than that of the state average.

### Remarks of the Committee

The Committee desires to be reported the amount of money collected by KFDC during the last 4-5 years by the sale of cardamom and the state average of the said amount

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Committee desires to be account the Government Order F&WLD dated 2-7-1997.] which depicts all the details of compensation etc. received by the Company.

The Committee is totally KFDC had supplied 98899.898 dissatisfied with the stacked tones of eucalyptus to explanations extended by M/s Western India Plywoods the witness that sale of Ltd. during the years 1989-90 86916 stacked tones of to 1997-98. The prices fixed by eucalyptus to Western the Government were below India Plywood Ltd. was effected below the notified the notified prices in some price as per the directions years. There are Government of Government and that it Orders to HNL and Grassim had agreed to pay compen- Industries Ltd. in which the sation for the loss sustained Government agreed to pay by the Company on account compensation for the loss of subsidized rates. The sustained by the Company on of subsidized furnished with a copy of rates[G.O. (Ms.) No. 44/1997/

(1)	(2)	(3)	(4)	(5)

Remarks of the Committee

The Committee desires to be furnished with a copy of annual statements which depicts all the details of compensation, the Government only concerned and the details of compensation if any received in this respect.

Thiruvananthapuram, 21st June, 2012.

K. N. A. Khader, Chairman, Committee on Public Undertakings.

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# THIRUVANANTHAPURAM DIVISION

## Annexure I

Year and Name	Extent (Ha.)		I CROP	
of Plantation		Year of felling	Quantity MT/Ha.	MAI
1976 Arippa	80.616	1989	23.530	1.810
76 Palode	63.186	1990	54.270	3.870
77 Arippa	69.386	1990	12.630	0.970
77 Palode	68.420	1990	47.256	3.630
77 Kottoor	33.280	1989	22.087	1.840
78 Arippa	58.080	1990	34.690	2.890
78 Palode	44.522	1990	80.174	6.680
78 Kottoor	191.753	1991	59.478	4.570
79 Arippa	64.440	1993	46.990	3.360
79 Palode	207.980	1993	51.186	3.600
80 Palode	93.797	1994	51.069	3.650
80 Kottoor	33.170	1993	25.317	1.950
81 Arippa	45.094	1995	48.440	3.460
81 Palode	25.620	1995	33.035	2.360
82 Arippa	64.726	1996	13.753	1.000
82 Palode	127.972	1996	11.160	0.800
82 Kottoor	22.940	1995	6.101	0.470
83 Arippa	20.950	1995	23.370	1.950
83 Palode	39.726	1997	32.491	2.300
	1355.658			

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## PUNALUR DIVISION

## ANNEXURE II

Y IN				
Year and Name of Plantation	Extent (Ha.)	Year of felling	Quantity MT/Ha.	MAI
1976 Punnala I	24.100	1991	22.600	1.510
76 Punalur II	88.600	1993	44.500	2.620
76 Ranni II	46. 650	1991	61.200	4.100
77 Punnala I	150.500	1991	67.300	4.810
77 Punnala II	486.160	1992	73.100	4.870
77 Ranni	75.400	1990	62.600	4.820
78 Punnala I	107.750	1991	30.300	2.330
78 Punnala II	151.350	1994	57.800	3.610
78 Ranni	11.250	1991	57.200	4.400
79 Punnala I	404.200	1996	36.800	2.450
79 Ranni	99.200	1999	14.600	0.730
80 Punnala I	16.000	1998	26.000	1.370
81 Punnala I	47.400	1998	26.000	1.530
82 Punnala I	129.300	1999	17.800	1.050
83 Punnala I	82.800	1999	22.800	1.430
84 Punalur	42.150	1999	30.660	2.040

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## THIRUVANANTHAPURAM DIVISION

## Annexure III

Year and Name of Plantation	Extent (Ha.)	MAI (1st Crop)	MT/Ha. (2nd crop)	Actual obtained or estimated qty.	Actual or estimated Revenue	Actual or estimated
1976 Arippa	80.616	1.810	6.200	499.980	3.750	Actual
76 Palode	63.186	3.870	20.930	1322.450	9.920	,,
77 Arippa	69.386	0.970	7.320	221.300	1.660	,,
77 Palode	68.420	3.630	21.490	1470.780	11.030	,,
77 Kottoor	33.280	1.840	9.912	329.890	2.470	,,
78 Arippa	58.080	2.890	6.240	189.715	1.420	,,
78 Palode	44.522	6.680	29.411	1309.450	9.820	,,
78 Kottoor	191.753	4.570	14.701	2673.440	20.050	,,
79 Arippa	64.440	3.360	14.430	3753.197	28.150	,,
79 Palode	207.980	3.600	14.521	2104.985	15.790	,,
80 Palode	93.797	3.650	23.675	1949.292	14.620	,,
80 Kottoor	33.170	1.950	13.48	876.600	6.570	,,
81 Arippa	45.094	3.460	22.126	977.780	7.330	,,
81 Palode	25.620	2.360	15.143	1076.040	8.090	,,
82 Arippa	64.726	1.00	10.041	649.920	4.870	,,
82 Palode	127.972	0.800	14.460	1850.010	13.880	,,
82 Kottoor	22.940	0.470	9.135	89.345	0.670	,,
83 Arippa	20.950	1.950	6.707	140.400	1.05	,,
83 Palode	39.726	2.300	11.33	450.152	3.38	,,
					164.520	

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## PUNALUR DIVISION

Year and Name of Plantation	Extent (Ha.)	MAI (1st Crop)	MT/Ha. (2nd crop)	Actual obtained or estimated qty.	Actual or estimated Revenue	Actual or estimated
1976 Punnala I	24.100	1.510	5.600	134.960	1.010	Actual
76 Punnala II	88.600	2.620	8.500	753.100	5.560	Actual
76 Ranni II	46.650	4.100	24.000	1119.600	8.400	Actual
77 Punnala I	150.500	4.810	17.00	2558.500	19.190	Actual
77 Punnala II	486.160	4.870	10.000	4861.600	36.460	Actual
77 Ranni	75.400	4.820	23.500	1771.900	13.300	Actual
78 Punnala I	107.750	2.330	30.300	3264.830	24.490	Actual
78 Punnala II	151.350	3.610	6.370	964.100	7.230	Actual
78 Ranni	11.250	4.400	10.300	115.880	0.870	Actual
79 Punnala I	404.200	2.450	10.800	4365.360	32.740	Actual
79 Ranni	99.200	0.730		506.910	3.800	estimated
80 Punnala	16.000	1.370		153.440	1.150	estimated
81 Punnala I	47.400	1.530		507.650	3.810	estimated
82 Punnala I	129.300	1.050	9.400	1215.420	9.120	Actual
83 Punnala I	82.800	1.430		828.830	6.220	estimated
84 Punalur	42.150	2.040		601.900	4.510	
					177.950	-

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# THIRUVANANTHAPURAM DIVISION

## Annexure IV

Year and Name of	Extent (Ha.)	MAI (2nd		Estimated  Qty. (MT)			al Qty. & etained o	
Plantation	(,	Crop)	crop)	at same MAI	₹ in Lakh	Qty.	Revenue	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1976 Arippa	80.616	0.810	5.670	457.100	8.740	Nil		Replanted after 2nd crop
76 Palode	63.186	2.620	18.340	1158.830	22.150	231.702	2.610	
77 Arippa	69.386	0.910	6.370	441.980	8.450	Nil		Replanted after 2nd crop
77 Palode	68.420	2.200	15.400	1053.670	20.130	237.820	2.470	
77 Kottoor	33.280	1.240	8.680	288.870	5.520	Nil		Replanted after 2nd crop
78 Arippa	58.080	0.360	2.520	146.360	2.800	Nil		Replanted after 2nd crop
78 Palode	44.522	3.680	25.760	1146.890	21.920	460.740	5.190	
78 Kottoor	191.753	2.450	17.150	3288.560	62.840	464.820	29.140	
79 Arippa	64.440	1.600	11.200	2832.870	54.140	Nil		Replanted after 2nd crop
79 Palode	207.980	2.490	17.430	3625.090	69.280	Nil		"
80 Palode	93.797	3.9	27.3	2560.66	48.93	Nil		,,
80 Kottoor	33.170	1.35	9.45	313.46	6	Nil		,,

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
81 Arippa	45.094	2.770	19.39	874.37	16.71	Nil		Replanted after 2nd crop
81 Palode	25.620	1.890	13.23	338.95	6.48	Nil		,,
82 Arippa	64.726	1.260	8.82	570.88	10.9	Nil		,,
82 Palode	127.972	2.070	14.49	1854.31	35.44	Nil		,,
82 Kottoor	22.940	1.140	7.98	183.06	3.5	Nil		,,
83 Arippa	20.950	0.740	5.18	108.521	2.07	Nil		,,
83 Palode	39.726	1.62	11.34	450.49	8.61	Nil		<b>,,</b>
					414.610		39.410	

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# PUNALUR DIVISION

Year and Name of Plantation	Extent (Ha.)	MAI (2nd crop)	MT/Ha. (3rd crop)	Estimated qty.(MT) at same MAI	Estimated Revenue ₹ in lakhs
1976 Punnala I	24.100	0.800	5.600	134.960	2.580
76 Punalur II	88.600	1.420	9.940	880.680	16.830
76 Ranni II	46.650	3.430	24.010	1120.670	21.420
77 Punnala I	150.500	2.430	17.010	2560.000	48.920
77 Punnala II	486.160	1.250	8.750	4253.900	81.300
77 Ranni	75.400	2.940	20.580	1551.730	29.650
78 Punnala I	107.750	4.330	30.310	3265.900	62.410
78 Punnala II	151.350	0.800	5.600	847.560	16.200
78 Ranni	11.250	1.470	10.290	115.760	2.210
79 Punnala I	404.200	1.350	9.450	3819.700	72.990
79 Ranni	99.200	0.730	5.110	506.912	9.690
80 Punnala I	16.000	1.370	9.590	159.200	3.040
81 Punnala I	47.400	1.530	10.710	507.650	9.740
82 Punnala I	129.300	1.050	7.35	950.36	18.16
83 Punnala I	82.800	1.430	10.01	828.83	15.84
84 Punalur	42.150	2.040	14.28	601.9	11.5
					422.480

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# THIRUVANANTHAPURAM DIVISION

## Annexure V

Year and Name of	Extent (Ha.)	Replanting details and expected revenue (from replanted area)					
Plantation		Species Replanted	Extent (Ha.)	Expected Qty. on felling as per Management Plan (MT)	Expected revenue (Lakh)		
(1)	(2)	(3)	(4)	(5)	(6)		
1976 Arippa	80.616	Bamboo Casuarina	7.468 45.180	186.700 167166 nos.	2.240 62.680		
76 Palode	63.186	Casuarina Eucalyptus	31.500 31.690		43.710 s. 19.490		
77 Arippa	69.386	Bamboo Eucalyptus Misc. growth	9.195 20.234 39.957		2.750 12.440 19.970		
77 Palode	68.420	Bamboo Eucalyptus Casuarina	23.200 34.781 10.439	1119.000	6.960 21.380 14.480		
77 Kottoor	33.280	A auriculiformis Cashew Casuarina Bamboo	12.240 4.500 4.620 11.920	LS 17094 nos. 298.000	14.720 1.300 6.410 3.580		
78 Arippa	58.080	Bamboo Casuarina A	37.920 9.440	948.000 34928 nos.	11.380 13.100		
78 Palode	44.522	auriculiformis Casuarina	10.770 33.347	921.920 123839	12.890 46.440		
		Eucalyptus	11.175	359.610	6.870		

(1)	(2)	(3)	(4)	(5)	(6)
		Coppiece	25.140	259.990	4.970
		Albizia	21.500	2064	51.790
		auriculiformis	60.934	5240	73.260
78 Kottoor	191.753	Eucalyptus	21.230	683.180	13.050
		Bamboo	43.500	1075	12.900
		Reeds	14.045	351.130	4.210
		Misc. growth	5.404	LS	2.700
		Eucalyptus	72.273	2325.700	44.440
79 Arippa	64.440	auriculiformis	136.048	11700	163.570
// Timppu	01.110	A mangium	9.951	585	8.370
		Bamboo	22.945	573.600	6.880
		Misc. growth	12.078	LS	6.040
79 Palode	148.434	Eucalyptus	112.41	3617	69.13
7) I diode		Cashew	54.427	LS	15.6
79 Palode	59.846	auriculiformis	41.152	3539	49.48
80 Palode	93.797	auriculiformis	62.442	53.70	75.07
00141040	23.777	Eucalyptus	31.355	1009.00	19.28
		A			
80 Kottoor	22.926	auriculiformis	26.436	2273.5	31.78
80 Kottoor	10.244	Cashew	6.744	LS	1.94
		Eucalyptus	21.624	695.86	13.29
81 Arippa	45.094	Bamboo	9.122	228.05	2.74
		Euc. coppiece	14.348	634	12.12
		A			
81 Palode	25.620	auriculiformis	7.86	676	9.45
		Albizia	17.76	1705	42.78
		Casuarina	30.451	112668 nos.	42.25

(1)	(2)	(3)	(4)	(5)	(6)
82 Arippa	64.726	Reeds	11.614	290.35	3.48
		Bamboo	22.161	554	6.65
		A			
82 Palode	127.972	auriculiformis	127.972	11005	153.85
82 Kottoor	9.780	A mangium	9.78	597.8	8.55
82 Kottoor	13.160	Coppiece	13.14	104.85	2.00
83 Arippa	20.950	Bamboo	20.95	522.5	6.27
83 Palode	39.726	Albizia	10.08	967.68	24.28
		Euc. coppiece	28.746	325.69	6.22
					1311.18

# PUNALUR DIVISION

Original Year and Name of	Extent (Ha.)	Replanting details and expected revenue (from replanted area)				
Plantation		Species	Extent (Ha.)	Expected Qty. on felling as per Management Plan (MT)	Expected revenue (Lakh)	
(1)	(2)	(3)	(4)	(5)	(6)	
		A				
1976 Punnala I	24.100	auriculiformis	24.100	2068.980	28.900	
76 Punalur II	88.600	A mangium	88.600	5401.000	77.280	
		A				
76 Ranni II	46.650	auriculiformis	46.650	4004.900	55.950	
77 Punnala I	150.500	Eucalyptus	74.350	2393.170	45.730	
		A				
		auriculiformis	70.000	6009.500	83.950	
		A				
		auriculiformis	118.856	10203.000	142.540	
		A mangium	104.170	6350.200	90.870	
		Eucalyptus	112.578	3623.660	69.250	
77 Punnala II	486.160	Bamboo	100.272	LS LS		
		Albizia	26.580	2574.500	64.590	
		Cashew	6.250	LS	0.360	
		Teak	5.440	LS	3.800	
77 Ranni	75.400	Eucalyptus	57.400	1847.600	35.310	
		A				
		auriculiformis	18.000	1545.300	21.590	
		A				
		auriculiformis	35.680	3063.120	42.790	

(1)	(2)	(3)	(4)	(5)	(6)
78 Punnala I	107.750	Eucalyptus	27.000	869.000	16.610
		Albizia	10.000	968.600	24.300
		A			
		auriculiformis	21.080	1809.700	25.280
78 Punnala II	151.350	Eucalyptus	88.830	2859.200	54.640
		A mangium	43.000	2621.300	37.510
78 Ranni	11.250	Eucalyptus	2.000	64.400	1.230
		A			
		auriculiformis	9.260	794.970	11.110
		A			
		auriculiformis	118.490	10172.300	142.100
		Cashew	50.000	LS	2.870
		Eucalyptus	53.180	1711.750	32.710
79 Punnala I	404.200	Bamboo	122.120	3055.000	36.600
		Albizia	20.000	1937.200	48.600
		Teak	7.000	LS	4.900
		Casuarina	9.620	35661 (nos.)	13.370
		Bamboo	41.200	1030.000	12.360
79 Ranni	99.200	Eucalyptus	31.800	1021.400	19.510
		Cashew	10.400	LS	0.590
		A			
		auriculiformis	8.700	748.2	10.450
80 Punnala I	16.000	Teak	3.400	LS	2.380
		A			
		auriculiformis	8.770	748.200	10.450
81 Punnala I	47.400	A			
		auriculiformis	47.400	4069.000	56.840
		A mangium	63.000	3840.000	54.950

(1)	(2)	(3)	(4)	(5)	(6)
82 Punnala I	129.300	Eucalyptus	51.500	1657.600	31.680
		Casuarina	10.000	37070 (nos.)	13.900
83 Punnala I	82.800	Eucalyptus	38.840	1250.000	23.900
		A mangium	44.820	2732.200	39.090
		A			
		auriculiformis	24.500	2103.000	29.380
84 Punalur	42.150	A mangium	8.750	533.400	7.630
		Eucalyptus	8.900	286.470	5.470
					1533.32