

SAWIANT

F I N A L R E P O R T

OF

STATE LEVEL EXPERT COMMITTEE

GOVERNMENT OF GOA

PANAJI - GOA

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ANNEXURES

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FINAL REPORT OF THE STATE LEVEL EXPERT COMMITTEE

1. SUMMARY

1.1 In response to the directions of the Hon'ble Supreme Court's order dated 12.12.96, the Government of Goa on 24.01.97 constituted an Expert Committee, under the chairmanship of Shri Sadanand M. Sawant, for identification of forests in the State.

1.2 The Committee identified forests as given below.

Government Forest Lands	= 1223.73 sq. km.
Forest on Lands other than 'Government Forest Lands' (including revenue lands)	= 48.67 sq. km.

Total 1272.40 sq. km.

1.3 These Government Forest Lands as identified by the Committee also include areas to the extent of 13.08 sq. km which have been cleared and /or diverted for mining and various developmental projects since 1980.

1.4 In addition Committee as mandated by the terms of reference vide para 5 of the order identified areas covered by plantations belonging to Government and also those belonging to private persons as below.

Area covered by plantations trees belonging to Government

On Government Forest Lands	= 279.75 sq. km.
On Revenue Lands	= 22.97 sq. km.
On Comunidade Land	= 48.35 sq. km.

Area covered by plantations trees belonging to private persons

= 791.22 sq. km.

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2. INTRODUCTION:

2.1. As per the Hon'ble Supreme Court direction dated 12.12.1996 in **Writ Petition (Civil) No. 202 of 1995 TN Godvarman Thirumulpad V/S Union of India** all the States of India were asked to set up a committee to look into the **terms of reference** vide para 5 of the order. These were:

(A) Identify areas which are " Forests " irrespective of whether they are so notified, recognised or classified under any law, and irrespective of the ownership of the land of such forest;

(B) Identify areas which were earlier forests but stand degraded, denuded, or cleared; and

(C) Identify areas covered by plantation trees belonging to Government and those belonging to Private persons.

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3. CONSTITUTION OF THE COMMITTEE :

3.1 Consequent to the Hon'ble Supreme Court's order, the Government Goa issued a notification No. 8-12-96/FOR (REV) (PART)/ dated 24.01.199 Annexure- I forming a committee. The members of the committee were:

- | | |
|--|------------------|
| (1) Shri S.M. Sawant | Chairman |
| (2) Dr. A. Untawale, N.I.O. | Member |
| (3) Shri Jagdish Wagh | Member |
| (4) Conservator of Forests | Member |
| (5) Dy. Conservator of Forests
(North Goa) | Member |
| (6) Dy. Conservator of Forests
(South Goa) | Member |
| (7) Dy. Conservator of Forests
(Working Plan) | Member Secretary |

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4. GUIDELINES LAID DOWN BY THE COMMITTEE :

(A) To identify areas which are "Forest" irrespective of whether they are so notified, recognised or classified under any law, and irrespective of the ownership of the land of such forest;

4.1 For the purpose of identification of forests two broad categories were made .

(a) **Government Forests Lands:** which shall include all forests recorded by State Forest Department as Government Forest lands ; and shall also include **disputed Forest Lands** i. e Government forest which may or may not have been included in the Working Plan records of Forest Department but which are in ownership dispute in various courts of law. (Annexure IVA & IVB)

(b) **Forests on lands other than " Government Forest lands" as in (a)** above shall be identified as "Forests" based on the following criteria.

- (i) 75% of the crop composition of such lands should be of forest species, and
- (ii) The area should be either contiguous to Government forest lands or if in isolation the minimum area so identified should be 5 ha. **In case of Mangroves areas less than 5 ha also shall be considered as forests whether or not in contiguity to Government Forest lands, and**

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(B) To identify areas which were earlier forests but stand degraded, denuded, or cleared;-

4.2 It is seen that no specific cut off period has been given for comparing the degradation, denudation or clearing on the lands to be so identified. Committee therefore decided 1980 to be the bench mark for Government Forest lands. For identifying such areas outside the Government forest lands, however, the committee could not find any previous status /records which could serve as a suitable standard for comparison. However in Writ Petition No. 273 of 1997 the Hon'ble High Court of Bombay at Goa directed the Committee to submit a report over an area of 1.13 Ha. survey No. 69/4 of Penha de Franca village. Accordingly the committee inspected the site and submitted the report to the Hon'ble High Court. On the basis of observations and scientific data collected, analysed and interpreted, the committee concluded that the survey No. 69/4 was " Forest ".

(C) To identify areas covered by plantation trees belonging to Government and those belonging to private persons

4.3. Areas under miscellaneous horticultural crops like cashew, arecanut and coconut etc., commercial plantations of rubber and timber species like teak raised by individuals, companies and Government Departments were considered under this category by the committee.

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5. DOCUMENTS RELIED UPON BY THE COMMITTEE.

5.1. For the purpose of carrying out this exercise the following documents were utilised by the committee.

- (1) Green cover map of Goa based on **Satellite Imageries** of 1: 50,000 Scale prepared by the Department of Science Technology and Environment, Govt. of Goa based on **Satellite Imageries** (1: 50,000 Scale of year 1991-93).
- (2) **Topo sheets** of the year 1965 obtained from the Survey of India.
- (3) **Village maps** prepared by the Directorate of Settlement and Land Records Department, Govt. of Goa.
- (4) **The revenue records** of ownership by survey numbers i. e. Form I and XIV, obtained from the Revenue Department, Govt. of Goa.
- (5) **Regional Plan** of Town and Country Planning Department, Govt. of Goa.
- (6) Statistics on plantation etc. obtained from Forest Department and Statistics and Planning Department of Govt. of Goa.
- (7) **State of Forest Report 1997** prepared by Forest Survey of India.
- (8) Government Forests Maps from State Forest Department.

6. ACTION TAKEN BY THE COMMITTEE :

(A). To Identify areas which are "Forest" irrespective of whether they are so notified, recognised or classified under any law, and irrespective of the ownership of the land of such forest;

6.1. Lack of any meaningful and conclusive data on Private forests either with revenue or Forest Department made it imperative for the Committee to initiate a fresh identification of such lands within the meaning of Supreme Court order dated 12-12-96. The Green cover map based on satellite imageries of 91-93 was procured from Department of Science and Technology. It was superimposed on the Government Forest Map (Working Plan map) to distinguish and demarcate green cover on 'lands other than Government Forest lands'. The demarcated map was then superimposed on toposheets from Survey of India to prepare base Maps.

6.2. These base Maps were given to the forest staff to visit the sites and report the areas which met the criteria set up by the committee to identify the 'forests'. The Range Office staff visited the sites and identified the areas.

6.3. The Revenue authorities were also asked to identify the forests on revenue lands and report these to the Committee.

6.4. In addition, a notice was published in the local newspapers (Annexure II) to give wide publicity and scope for the identification of these forests by local people.

6.5. The areas thus reported to the committee were randomly selected for site visits by the committee and inspected by committee members. In all, forests of 97 villages were inspected by the committee members. Directions were issued to the Dy. Conservator of Forests, to inspect and verify the sites which could not be visited by the other committee members. The committee had 14 field visits (**Annexure X B**) and held 19 meetings (**Annexure X A**).

6.6. An interim report was submitted to the supreme court after the first round of field exercise. This report was submitted while the identification of 'forests' was still in progress and in this report 30.2745 sq km of private forests were reported. Subsequent to this report, additional areas were identified by the committee and all these areas were then re-inspected by the field staff and, wherever possible, necessary corrections were done after verifying with the survey nos. in the revenue records.

6.7. At the end of above exercise, committee identified 1272.40 sq. km. Forests which included 1223.73 sq. km of Government Forest lands (**Annexure III**) and 48.67 sq km of forest on lands other than Govt. Forest Lands. The break up of 48.67 sq km is as below. (**Annexure V,VI & VII A & VII B**).

- On revenue lands -----	0.80 sq km
- On lands other than revenue	
& Govt. Forest Lands-----	46.60 sq km
- Mangrove areas -----	1.27 sq km
Total	48.65 sq km

A map indicating the villages where the Government forests and the villages in which the Forests on lands other than Government forests are located is enclosed as Annexure XII.

(B). Identify areas which were earlier forests but stand degraded, denuded, or cleared;

6.8. The committee obtained the data on clearings and diversions made on Government Forest lands for the purpose of mining and other developmental works, from 1980, from the Government records. A list of such areas (13.0798 sq. km) is included in the annexure (**Annexure VIII A and VIII B**). The break up of 13.08 sq. km is as below.

1. Irrigation-----	0.1210 sq. km
2. Transmission lines--	1.3587 sq. km
3. Konkan railway -----	0.3670 sq. km
4. P W D -----	0.1250 sq. km
5. Mining -----	11.1081 sq. km

Total 13.0798 sq. km

6.9. The area diverted for mining has been worked on the basis of forest areas which form part of various leases renewed under Forest Conservation Act, 1980 for a period of 10 to 20 years. Out of 11.1081 sq. km renewed, actual diversion shall be only 5.6381 sq. km and the balance area of 5.47 sq. km is meant for buffer zone. (**Annexure VIII A**)

6.10. The committee had earlier reported an area of 10.6 sq. km as total diverted area in the Interim Report which stands updated.

C. To Identify areas covered by plantation trees belonging to the Government and those belonging to private persons.

6.11. Data on monocultures and plantations of miscellaneous tree crop belonging to Government and private persons raised on Government Forests, other Government lands and comunidad lands was collected and compiled. These included data on miscellaneous horticulture crops like cashew, arecanut and coconut, commercial plantations of rubber and timber species like Teak raised by individuals, companies and Government Departments.

6.12. Committee obtained data on plantations raised by private persons/companies on lands other than Government Forests and Revenue Lands from Director of Planning and Statistics (**Annexure IX C**) while the data on plantations done on Government forests, revenue lands and comunidad lands was obtained from the State Forest Department.

6.13. The committee has, thus, identified 279.75 sq. km of plantations belonging to Government on 'Government Forest Lands' up to 1998. (**Annexure IX A**). Taking into account an area of 19.11 Sq. km as overlapping area, the actual area coverage under plantation is 260.64 sq. km. Earlier the committee had reported 235.22 sq. km under this category based on State Forestry Action Plan Document, 1996.

6.14. Based on data obtained from Forest Department, the committee has also identified 48.35 sq. km of plantations belonging to Government on comunidad lands. (**Annexure IX B**)

6.15. In addition to above the committee identified 791.22 sq. km of plantations belonging to private persons in all the 11 Talukas on lands other than Government Forest Lands (**Annexure IX C**). This committee had earlier reported a green cover of 337.086 sq. km in 8 Taluka of Goa on lands other than the Government Forest lands.

7. LIMITATIONS OF THE REPORT AND RECOMMENDATIONS OF THE COMMITTEE

7.1 The method selected by the committee for identification of private forests was ground truthing of the areas marked on base maps generated from toposheet and satellite imageries.

7.2. The task was laborious and time consuming and no additional infrastructure and manpower was provided for this. This task was therefore assigned to the existing staff of forest Department as an additional duty. Due to this reason the task could not be completed within the time frame contemplated by the Committee.

7.3. Frequent transfers of forest personnel included in the committee also added to delay in completion of the final report.

7.4 Whereas the committee identified Government Forest lands based on working plan and other records of Forest Department, the forests on other lands were identified by field visits and ground truthing of maps based on satellite imageries. The areas included

are therefore based on approximation and an exhaustive survey is required to find their actual extent. The areas of such forests identified are therefore subject to correction after the survey. A project submitted by Forest Department to survey and demarcate these areas at a cost of 27.70 lakhs (Annexure XI) has been approved by the State Government but has not been taken up so far as required funds were not made available to Department. The committee recommends that State Government may take all necessary measures to delimit and demarcate these 'Forests'.

7.5. The committee recommends that a survey of these areas should be followed by mutating the land records to reflect the classification of these lands as "Forests" in Form I & XIV of Revenue records.

7.6. It is recommended that these lands are notified by State Government as "Forests" in the Gazette. Pending the notification, the State Government may circulate a list of these forests to all the Government Departments with directions not to divert these lands for any non forestry purpose.

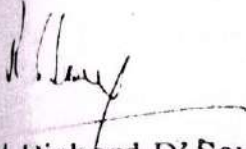
7.7. The possibility of interpretation error, coupled with other limitations like low resolution of the imageries used, cannot be overlooked. Although the field staff has included all possible lands based on local knowledge also, but undulating and hilly terrain might have prevented some remote and secluded lands from identification and inclusion in the report. Committee therefore feels that applicability of Forest Conservation Act on lands, other than

those reported by the committee , shall not be limited by this report.
And committee further recommends that state government may
notify any additional lands identified in future as 'forests' within the
meaning of supreme court order dated 12.12.96 .

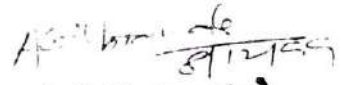


(Shri Sadanand M Sawant)
Chairman

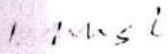
8/12/1999



(Shri Richard D' Souza)
Conservator of Forests



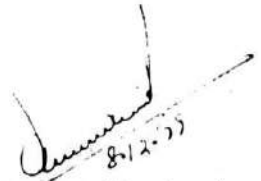
(Dr. A G Untawale)



(Shri Jagdish Wagh)



(Shri Sunil Kumar Aggarwal)
Dy. Conservator of Forests,
North Goa Division, Ponda



(Shri A James Kurian)
Dy. Conservator of Forests,
South Goa Division, Margao



(Smt. Archana Singh)
Dy. Conservator of Forests
Working Plan Division, Panjim

8/12/99

ANNEXURE I

OFFICIAL GAZETTE GOV. OF GOA

6TH FEBRUARY, 1997

226/C

Department of Forest

Notification

No. 8-12-96/FOR (REV) (PART) B

In pursuance of para 6 of the directive contained in the order of Hon'ble Supreme Court, New Delhi dated 12th December, 1996 the Government hereby constitute a State Level Committee to oversee the compliance of the order of the Supreme Court and file status report.

- 1. Dy. Conservator of Forests, North Goa Division, Ponda.
- 2. Dy. Conservator of Forests, South Goa Division, Margao.
- 3. Dy. Conservator of Forests, Working Plan Division, Panaji.

By order and in the name of the Governor of Goa.

A. Meneses, Under Secretary (Forests).

24th January, 1997.

Notification

No. 8-12-96/FOR (REV) (PART)

In pursuance of the directive contained in the order of Hon'ble Supreme Court, New Delhi dated 12th December, 1996 the Government is pleased to constitute following Committee as per para 7 of the said order.

Committee

- 1. Dy. Conservator of Forests, North Goa Division.
- 2. Dy. Conservator of Forests, South Goa Division.
- 3. Dy. Conservator of Forests, Working Plan Division.

The terms of reference to the above constituted committee is indicated in the schedule appended to the notification.

By order and in the name of the Governor of Goa.

A. Meneses, Under Secretary (Forests)

SCHEDULE

The terms of reference to the State Level Expert Committee as per para 7 of the order of the Hon'ble Supreme Court dated 12-12-1996 would be as follows:-

(i) To identify the capacity of the forests of the State Quasaw mills...

(ii) To identify existing saw mills which can safely be sustained...

(iii) To identify from the forest area that State, at which saw mills should be located.

Notification

No. 8-12-96/FOR (REV) (PART) A.

In pursuance of the directive contained in the order of Hon'ble Supreme Court, New Delhi dated 12th December, 1996 the Government is pleased to constitute following Committee as per para 5 of the said order.

State Level Expert Committee

- 1. Mr. Sadanand M. Sawant — Chairman.
- 2. Conservator of Forests.
- 3. Dr. Untawale, W.W.F.
- 4. Chairman, W.W.F. for Nature.
- 5. Dy. Conservator of Forests, North Goa Division, Ponda.
- 6. Dy. Conservator of Forests, South Goa Division, Margao.
- 7. Dy. Conservator of Forests, Working Plan Division, Panaji — Member Secretary.

The terms of reference to the above constituted Committee is indicated as per schedule appended to the notification.

By order and in the name of the Governor of Goa.

A. Meneses, Under Secretary (Forest).

Panaji, 24th January, 1997.

SCHEDULE

The terms of reference to the State Level Expert Committee as per para 5 of the order of the Hon'ble Supreme Court dated 12-12-1996 would be as follows:-

- (i) Identify areas which are "forest", irrespective of whether they are so notified, recognised or classified under any law, and irrespective of the ownership of the land of such forest;
- (ii) Identify areas which were earlier forests but stand degraded, denuded or cleared; and
- (iii) Identify areas covered by plantation trees belonging to the Government and those belonging to private persons.

The Committee shall submit its report on the above within one month.

Department of General Administration

Notification

No. 267/95-GA&C

- Read: (i) Notification of even number dated 23rd October, 1996.
- (ii) Order No. 7/10/95/Pe dated 6-11-1996.

In exercise of the powers conferred by Rule 5 of the Business of the Government of Goa (Allocation) Rules, 1987 and in partial modification of the Government Notification read in (i) above, the Government hereby

225/c

ANNEXURE II

'The Navhind Times'
dated 08.12.1997
page No.2

NOTICE

In pursuance of the Hon'ble Supreme Court directive dated 12.12.1996 the Government has constituted a State Level Expert Committee to

- i) Identify areas which are "FOREST" irrespective of whether they are so notified, recognised or classified under any law and irrespective of the ownership of the land of such forest
- ii) Identify areas which were earlier forests but stand degraded, demanded or leased and
- iii) Identify areas covered by plantation trees.

For the purpose of classifying "FOREST" the committee has taken the stand that for considering any area as forest the following guidelines will be followed

- 1) 75% of its composition should be forestry species.
- 2) The area should be contiguous to Government forest and if in isolation the minimum area should be 5 ha
- 3) The canopy density should not be less than 0.4

The work of identification of the private forest by the committee is already in progress. It is requested that public who have knowledge or information about existence of such private forest may indicate the details to the nearest Range Forest Officer or to the Dy. Conservator of Forests, North Goa Division, Ponda and Dy. Conservator of Forests, South Goa Division, Margao to enable the committee to include such areas also in the list of private forests.

Dy. Conservator of Forests
Working Plan Division
Member Secretary
State Level Expert Committee
01/10/97

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ANNEXURE III

GOVERNMENT FOREST LANDS

Division	Range	Area (Sq. Km.)
North	Valpoi	253.82
	Keri	28.82
	Ponda	54.80
	Colem	306.12
	Pernem	15.19
South	Curdi	126.62
	Quepem	71.24
	Sanguem	132.77
	Pissonem	66.43
	Canacona	167.92
	TOTAL	1223.73

SOURCE: Working Plans of Forest Department
Map at Annexure XII

ANNEXURE IV A

LIST OF DISPUTED FOREST LANDS (NORTH GOA)

Sl. No.	Name of the Court.	Case No.	Area(Ha.)	Survey No. & Village.
1	2	3	4	5
1	Administrative Tribunal Court, Panaji.	Land/Revenue/APPL/26/95	282.60	73, Darbandora
2	Civil Court, Quepem.	Civil/Suit/89/96.		
3	Dy. Collector & S.D.O. Quepem	LRC/EVC/16/88	1.00	65/1, Dudal
4	---do---	LRC/EVC/84/95	1.00	30/1, Sangod
5	---do---	LRC/EVC/2/94/SANG/33/93	2.00	159, Darbandora
6	Collector, Margao.	45/5/96/REV/Cumeri.	4.37	80, Darbandora
7	Dy Collector & S.D.O. Quepem.		4.00	
8	---do---	LRC/EVC/82/95	0.20	9/2, Sangod
9	---do---	LRC/EVC/40/93/SAN	7.43	40/0, Collem
10	---do---	LRC/EVC/3/83.	0.11	63/4, Mollem
11	---do---	LRC/APPL/47/89	0.26	64, Collem
12	Collector, Margao.	51/1/96	0.06	66/1, Dudal
13	Dy Collector & S.D.O. Quepem.	LRC/EVC/95	0.66	23, Surla
14	---do---	LRC/EVC/10/95.	0.25	65/1, Dudal

(cont.)

ANNEXURE IV A (cont.)

1	2	3	4	5
15	Civil Court.	Civil Suite No. 70/91.	38.97	20/1, Melauli
16	Civil Court.	Civil Suit No. 56/97	0.80	9/4, Cudshem
17	Revenue Secretary.	LRC/GDL/Sattari/10/1995.	0.79	9/2, Cudshem
18	Dy. Collector, North.	LRC/MUT/APL/SATT/77.	12.47	2/1, Ansolem
19	Dy Collector, North.	28/437/79/ENC/SAT.	20.44	14/1, 3/1 & 5/2, Maloli
20	Dy. Collector, North	GDL/LRC/SAT/9/86.	1.28	18/1 & 19/1, Nanora
21	Dy. Collector, North	GDL/LRC/SAT/4/90	6.52	1/1, 23/1, 3/2, 21/0 Surla
22	Dy Collector, North	51/82/MUP/2/92.	87.47	13/1, 22/3, 22/4, 22/6 to 22/13, 24/1 25/1, 25/5, 29/7, 29/8, 29/9, 29/12, 29/15 & 30/5, Xelopo-Curdo
23	Dy. Collector, North	GDL/LRC/SAT/2/94.	17.12	16/1, 17/4, 19/12 Nanora
24	Dy. Collector, North	4/11/93/ENC/SAT/4/47/94.	1.50	7/1 Maloli, 29/1 Ustem
25	Dy Collector, North	LRC/GDL/3413/SAT/97/4038	4.77	14/1 & 2/3, Govanem

(cont.)

ANNEXURE IV A (cont.)

	2	3	4	5
26	District Court.	Civil Suit No.8/79	175.00	16(part,164,108 to 176,536,177,116/4 Alorna
27	Dy Collector Court.	1/81/PER/3.1.73	12.00	98/0.99/1-100/1, 107/0,110/0, Keri-Pernem
28	Dy. Collector Court	No.16/21/89	7.55	188/0,Latambarcem Bicholim
29	Dy. Collector Court	No.5/92.	11.13	192/0,Latambarcem
30	Dy. Collector Court	No.1/92.	1.50	337/0,338/0,Alorna
31	Dy. Collector Court	Mag/SR/145/93.	1.00	338/0, Alorna
32	Dy. Collector Court	No.1/94.	22.00	190/0,198/0 Torshem
33	Dy Collector & S.D.O. Ponda	No.LRC/10/2/97- Boundary/2710	2.62	84/2(part),94/2(part) 94/3(part, 94/4(part) 95/0(part),83/0. Candepar
34	Dy. Collector, Ponda	Case No. Not allotted	0.60	236,237 & 244, Usgao
		Total	731.68	

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ANNEXURE IV B

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

Name of the Court	Case No.	Area (Ha.)	Survey No. & Village	
			5	6
District Court, Margao	147/81	4007.94	11/1, 34/1 to 5	Vertem
District Court, Margao	51/82	17.1425	120/1, 105/1, 114/9, 114/8, 114/7, 113/3 to 6	Colomba
District Court, Margao	100/81	1043.21	25/3, 20/1, 19/1, 18/1, 16/1, 15/2, 12/1, 10/1, 9/1, 5/2, 3/1, 2/1, 23/3	Mangal
District Court, Margao	158/81	1043.21	25/3, 20/1, 19/1, 18/1, 16/1, 15/2, 12/1, 10/1, 9/1, 5/2, 3/1, 2/1, 23/3	Mangal
District Court, Margao	310/81	13.4575	8/1, 9/1	Portem
District Court, Margao	1/85	17.1949	109/1	Netrulim
Collector, Margao	13/98/LRC/ Title/A C	627.5	30/1	Netrulim
Collector, Margao	14/98/LRC/ Title/A C	627.5	30/1	Netrulim
Collector, Panaji	LRC/Appeal/2/90	4007.94	34/1 to 5, 11/1	Vertem
Dy Collector, Quepem	LRC/Title/11/82	342.48	53/1, 51/1	Vichundrem
Dy Collector, Quepem	34/88/ID/ENQ/ Cotarlim/1945	166	72/1	Colomba

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

	3	4	5	6
Dy Collector, Quepem	91/88ID/ENQ/Curdi/AC/4091	6.2500	38/1	Curdi
Dy Collector, Quepem	15- 88/IS/CS/ENQ/187/Mangal		2/1,3/1,2,3,5/1,5/12,4,6,7,8,9,7/1, 6/1,10/1,12/1,13/1,3,6,15,1,16/1, 17/1,18/1,20/1,21/1,22/1,23/1,2,3 24/1.2.25/1.2.3	Mangal
Dy Collector, Quepem	94-88/LS/ENQ/ Netolim		23,30,140	Netolim
Senior Division Court, Quepem	88/96	10.41	97/1,98/1	Colomba
Senior Division Court, Quepem	1/88	3.1825	45/3	Vichundrem
Senior Division Court, Quepem	74/94	72.76	10/1	Mangal
Senior Division Court, Quepem	149/88	1043.21	25/3,20/1,19/1,18/1,15/2,16/1,12/ 1,10/1,9/1,5/2,3/1,2/1	Mangal
District Court, Margao	45/88	3.1825	45/3	Vichundrem
Dy Collector, Quepem	LRC/EVC/1/1988/ Encroachment/ Survey	3.1825	45/3	Vichundrem
Dy Collector, Quepem	66/88/AS/PQ/ ENQ/31/62		120/1	

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

	3	4	5	6
Dy Collector, Quepem	LRC/EVC/SAN/1/99	1.98	21/1	Nundem
Dy Collector, Quepem	LRC/EVC/SAN/25/95	0.92	6/1	Colomba
Dy Collector, Quepem	LRC/EVC/SAN/24/95	0.92	6/1	Colomba
Dy Collector, Quepem	LRC/EVC/SAN/ 27/95	0.92	6/1	Colomba
Dy Collector, Quepem	LRC/EVC/SAN/ 95	5.15	24/1	Vichundrem
High Court	94/94	201.5	140/1 & 2	Netrulim
Dy Collector, Quepem	LRC/Title/5/88	489.06	114	Barcem
Dy Collector, Quepem	LRC/APPL/292/ 96	0.23	37	Barcem
Dy Collector, Quepem	LRC/Title/112/88	72.56	65	Barcem
Senior Division Court, Quepem	56/97/A	72.56	65	Barcem
District Court, Margao	134/81/A	72.56	65	Barcem
Dy Collector, Quepem	117/88/LD/ENQ/AC	57.85	58/1	Morpirla
Dy Collector, Quepem	LRC/Title/117/88	51,725	65/1	Morpirla
District Court, Quepem	28/83	55.7108	76/1	Morpirla
Dy Collector, Quepem	LRC/Title/5/ Morpirla/98	23.2	49/1	Morpirla
Senior Division Court, Quepem	44/95	97.8	85/1	Morpirla

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

	3	4	5	6
Magister, Quepem Tribunal, Panaji	MUT/QUEPEM/16/95	20.00	4/0	Quedem
Magister, Quepem Tribunal, Panaji	LRC No./1997	37.00	13	Quisconda
Magister, Quepem Tribunal, Panaji	TNC/DECL/NAQURI/2/95	10.50	150/0	Naquerim
Dy Collector, Quepem	LRC/Title/123/80	537.79	402	Cola
Dy Collector, Quepem	LRC/Title/11/88	537.79	402	Cola
Administrative tribunal, Panaji	LRA 11/95	20.00	11/1	Sulcoma
Add. Dist. Court, Marga	8/84	30.94	41/1	Pirla
Add. Dist. Court, Marga	4/82	6.8775	24/1	Pirla
Add. Dist. Court, Marga	108/81	180.88	58/1	Maina
Add. Dist. Court, Marga	135/81	180.88	58/1	Maina
Add. Dist. Court, Marga	136/81	180.88	58/1	Maina
u	148/81	67.59	58/1	Maina
Dir of Land Survey	LRC/APPEAL/3/87	40.3975	35/1	Pirla
Dy Collector, Quepem	LRC/104/74/EVC	11.1816	96/0,100/38	Deao
Dy Collector, Quepem	LRC/Title/20/80	33.96	96/0	Deao
Dy Collector, Quepem	LRC/67/88/ENQ	535.55	109/1,110/16,110/6	Rivona
Dy Collector, Quepem	LRC/49/88/ENQ	10.00	39/1	Sulcoma

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

		3	4	5	6
84	Dy Collector, Quepem	LRC/EVC/26/80	1.24	13/1to6	Molcorna
85	Dy Collector, Quepem	LRC/Title/Rivona/7/96	201,864	194/0	Rivona
87	Dy Collector, Quepem	LRC/Title/8/90	0.9275	59/11,60/0	Rivona
88	Dy Collector, Quepem	LRC/Title/1/94	10.85	18/1	Rivona
89	Dy Collector, Quepem	LRC/APL/1/78		8/1	Cazur
90	Dy Collector, Quepem	LRC/APL/2/78	40.8375,20.08	8/1	Cazur
91	Dy Collector, Quepem	LRC/APL/3/78	30.99	41/1	Pirla
92	Dy Collector, Quepem	LRC/APL/5/78	0.385	8/1	Cazur
93	Dy Collector, Quepem	LRC/APL/8/78	23.48	8/1	Cazur
94	Dy Collector, Quepem	LRC/APL/9/78	129.67	10/1,52/1	Sulcoma
95	Dy Collector, Quepem	LRC/APL/12/78	62.54	8/1	Cazur
96	Dy Collector, Quepem	LRC/APL/14/78	23.15	8/1	Cazur
97	Dy Collector, Quepem	LRC/APL/15/78	16.78	8/1	Cazur
98	IMFC, Quepem	C.S. 64/95	230.45	11/1	Sulcoma
99	Dy Collector, Quepem	LRC/ENG/CD/Title/116/88	135.9975	65/1	Rivona
100	Dy Collector, Quepem	44/88/LD/ENG	0.5	25/1	Bendurderr
101	Dy Collector, Quepem	LRC/Par/6/85	25.29,168.73	89/1,88/1	Rivona
102	Dy Collector, Quepem	LRC/CORR/11/90	99.5	6/1	Nagvem

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

	3	4	5	6
By Collector, Quepem	LRC/EVC/37/77	0.03	18/1	Rivona
District Court, Margao	CM.App/48/97	0.91	42/2,43/7	Pirla
District Court, Margao	CM.App/157/93, C.A.No.13/9 3,R.C.S. No62/90	16.76	8/13,9/1	Cazur
Civil Judge Senior Division, Margao	113/91/A	25.16	247,248,251,264/6-7-9	Gaondongrem
Civil Judge Senior Division, Margao	196/90/A	-DO-	-DO-	Gaondongrem
Civil Judge Senior Division, Margao	197/90/A	-DO-	-DO-	Gaondongrem
Civil Judge Senior Division, Margao	198/90/A	-DO-	-DO-	Gaondongrem
Civil Judge Senior Division, Margao	189/91/A	196.73	3/0	Gaondongrem
Civil Judge Senior Division, Margao	104/94/B	115.12	37/1	Cotigao
District Court, Margao	33/81	431.52	37	Cotigao
District Court, Margao	30/83	338.98	58/1	Gaondongrem
By Collector, Quepem	65/88/LD/ENQ	789.12	36/3,36/4 & 37	Cotigao
By Collector, Quepem	106/88/LD/ENQ	338.98	38/1	Loliem

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

	3	4	5	6
Collector, Quepem	107/88/LD/ENQ	49.9	199	Loliem
Collector, Quepem	71/82/ENQ/LRC	0.9375	42/0	Poinguinim
Collector, Quepem	61/88/LD			Loliem
Collector, Quepem	37/88/LD/ENQ	49.9	199	Loliem
Collector, Quepem	1/88/LRC/Title	27,256	199	Loliem
Collector, Quepem	32/88-LRC/Title		199	Loliem
Collector, Quepem	24/88/LD		8/0	Cotigao
Collector, Quepem	26/88/LD			
Collector, Quepem	3/88/LRC	115,025	110/0	Canacona
Collector, Quepem	2/95/LRC/Title	49.9	199	Loliem
Collector, Quepem	44/88/LD/ENQ	1.2	229/1	Loliem
Collector, Quepem	LRC/App/190/89/61		148/1	Gaondongrem
Collector, Quepem	57/88/LD/ENQ/AC	118.99	37/0	Cotigao
Collector, Quepem	96/88/LD/ENQ	260,456	37/0	Poinguinim
Collector, Quepem	12/88/LRC/Title	49.9	199/0	Loliem
Collector, Quepem	154/97/III/Addl	24	137/1	Gaondongrem
Collector, Quepem	11/89/LRC/Title	50.28	199	Loliem
Collector, Quepem	41/88/LD/ENQ/Loliem	321.69	229/0	Loliem

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

	3	4	5	6
By Collector, Quepem	60/88/LD/ENQ/AC	845.55	37/0	Cotigao
By Collector, Quepem	38/88/LD/ENQ	321.69	229/0	Loliem
By Collector, Quepem	56/88/LD/ENQ	328.31	38/1	Loliem
By Collector, Quepem	53/89/LRC/Cor	271.839	199/1	Nagorcem-Palolem
Civil Judge, Margao	239/97/III/Addl	-	48,51,52	Cotigao
By Collector, Quepem	LRC/Title/Poin/12/97	113.1025	39/0	Poinguinim
District Court, Margao	LRC/263/91	-	-	Poinguinim
By Collector, Adkl Court, Margao	9-98/LRC/III/App/Title/AC	-	48,51,52	Cotigao
By Collector, Quepem	24/88/LRC/Title	-	-	
Civil Judge Senior Division, Margao	24/99	-	170/1	Gaondongrem
Civil Judge Senior Division, Margao	15/97	6.00	39/1	Uguem
District Court, Margao	11/83	40.43	21	Nainguinim
Civil Judge Senior Division, Margao	64/95	100.00	34,36,37,38	Villiena
By Collector, Quepem	LRC/EVC/64-94	0.15	92/0	Bhati
By Collector, Quepem	LRC/EVC/65/94	0.032	92/0	Bhati

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ANNEXURE IV B (cont.)

LIST OF DISPUTED FOREST LANDS (SOUTH GOA)

2	3	4	5	6
Dy Collector, Quepem	LRC/EVC/66/94	1,345	92/0	Bhati
Dy Collector, Quepem	LRC/EVC/67/94	0.4525	92/0	Bhati
Dy Collector, Quepem	LRC/EVC/68/94	0.4675	92/0	Bhati
Dy Collector, Quepem	LRC/EVC/69/94	0.699	92/0	Bhati
Dy Collector, Quepem	LRC/EVC/70/94	0.03	92/0	Bhati
Dy Collector, Quepem	LRC/LD/ENQ/101/88	2	8	Comarconda
Dy Collector, Quepem	LRC/EVC/LAN/29/93	2	5	Comarconda
Dy Collector, Quepem	LRC/EVC/35/86	3	5/3	Comarconda
Dy Collector, Quepem	LRC/EVC/74/90	1.2	5	Comarconda
Dy Collector, Quepem	LRC/Title/1/92	2.1125	24/2	Sanvordem
Dy Collector, Quepem	LRC/Title/LD/17/88	7.36	2	Comarconda
Collector, Margao	APP/PET/12/96	4.0905	10/0	Potrem
Collector, Margao	APP/PET/2/96	4	24/1	Patiem
Collector, Margao	LRC/Title/44/88	6	5/3	Comarconda
Dy Collector, Quepem	LRC/Title/2/98	9.65	92/0	Bhati
Senior Division Court, Quepem	12/96	21	31/0	Naiquinim

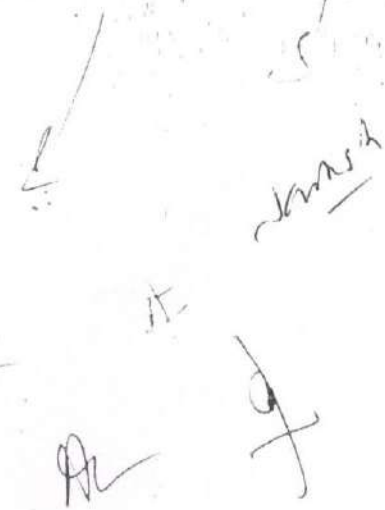
Total 14954.97

2. J. A. S. K. M. S. R.

ANNEXURE V

FORESTS ON REVENUE LANDS

Sl. No.	Taluka	Village	Survey No.	Area Ha.
1	Pernem	Chopdem	Riverbed of Chopdem	1.00
2	Sanguem	Piliem	17/1, 19/1,20	30.39
3	Satari	Conquirem	17/3	10.00
4	Pornem	Varcond	37,38	5.00
5	Pernem	Ugam	22/0	5.00
6	Sanguem	Rumbrem	23/1	10.00
7	Sanguem	Potrem	12	8.00
8	Sanguem	Patiem	49(p)	7.00
9	Canacona	Cola	138(p)	4.00
			Total	80.39



[Handwritten signatures and initials]

ANNEXURE VI

MANGROVE FORESTS ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS'

Sl No	Taluka	Village	Survey No.	Area Ha.
	2	3	4	5
1	Tlewadi	Murda	108 to 113	6.71
2		Morambi de Piquene	45 to 74,139	7.00
3		Cumbarjua	Not available	2.00
4		Narora	Not available	2.00
5		Malar	Not available	3.00
6		Covalim-Moula	Not available	1.00
7		Siridao	Not available	1.00
8		Neura O-Grande	Not available	15.00

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ANNEXURE VI (cont.)

MANGROVE FORESTS ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS'

1	2	3	4	5
9	Bicholim	Virdi	40/1-3, 41/1-9, 44/1-3, 45/1-3, 46/1-10	5.00
10		Amona	188/2, 188/3, 189/0	8.00
11		Karapur	3/17, 3/26, 5/0, 6/0	1.50
12		Pilgaon	223/0, 218/1-82 Part	3.00
13		Surla	Not available	0.26
14	Ponda	Thivrem	40/4	2.56
15		Durbhat	12 to 36	26.04
16		Borim to Khandola	Not available	11.04
17		Borim to Panchawadi	Not available	2.20
18		Boma	Not available	2.00

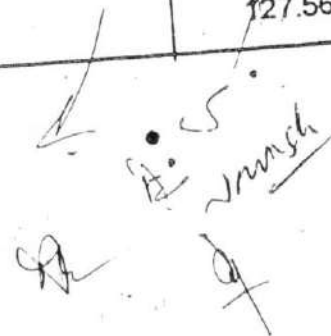
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ANNEXURE VI (cont.)

MANGROVE FORESTS ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS'

1	2	3	4	5
19	Bardez	Colvale	Not available	2.00
20		Penha de Franca	Not available	0.50
21		Pomburpa	Not available	0.25
22		Thivim	Not available	1.00
23		Bastora	Not available	1.00
24		Nerul	Not available	2.00
25		Marna	Not available	2.00
26		Pernom	Tuem	216(p),217(p),220(p), 221(p),223(p),224(p), 230(p),231(p)
27	Dhargal		84(p)	5.00
28	Paliem		19/0(p)	3.00
29	Tiracol		14/1(p)	2.00
30	Virnora		105(p)	1.00
31	Morjim		44/5(p)	0.50
			Total	127.56



 A. S.

 March

ANNEXURE VII A

FORESTS ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(SOUTH GOA)

Sr. No.	Taluka	Village	Survey No.	Area in ha.
1	2	3	4	5
1	Canacona	Loliem	214(p), 328/2, 328/3, 246/1	235.56
2		Poinguinim	259/1, 258/4, 260/1, 113/0, 2/1, 41/1, 269/1, 270/1, 165/1, 156/1, 191(p)	385.29
3		Gaondongrem	168/1, 166/1, 153/1, 154/1, 155/1, 158/1	170.74
4		Cola	27(p), 106, 111(p), 148(p), 125 to 130(p), 60/2, 34(p)	91.40
5		Agonda	63(p), 73(p), 74(p)	15.00
6	Salcete	Raia	297(p), 334(p), 201(p), 200(p), 397(p), 363(p), 364(p), 362(p), 398(p), 400(p), 401(p)	25.00
7		Loutolim	165(p), 166(p), 154(p), 160(p), 167(p), 193(p), 194(p), 201(p), 202(p)	26.00
8		Curtorim	232/3 & adjoining area	5.00
9		Verna	65(p), 88(p), 64(p)	5.00
10		Camurlim	N. A.	5.00

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ANNEXURE VII A (Cont.)

FORESTS ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(SOUTH GOA)

1	2	3	4	6
11	Quepem	Zanodem	10(p),11(p),13(p),14(p)	100.00
12		Pirla	6(p),9(p),38/1,39/1, 43(p), 44(p)	110.00
13		Sulcorna	15(p),16(p),17(p),27(p), 28(p),4(p)	125.00
14		Ambaulim	N. A.	5.00
15		Xeldem	10(p)	10.00
16		Sirvoi	86(p),87(p), 88(p),89(p), 147(p),148(p),149(p)	150.00
17		Malcornem	46(p),47(p), 48(p),39(p), 82(p),83(p)	150.00
18		Xic Xelvona	1(p),32(p), 33(p)	8.00
19		Xelvona	26(p),28(p)	8.00
20		Naquerim	N.A.	50.00
21		Nagvem	N.A.	10.00
22		Assolda	45(p),46(p)	5.00
23		Odar	14(p),36(p)	4.00
24		Undorna	17(p)	20.00

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ANNEXURE VII A (Cont.)

FORESTS ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(SOUTH GOA)

1	2	3	4	5
25	Quopom	Padi	22(p),25(p), 26(p),27(p)	40.00
26		Paroda/Mulem	N.A.	150.00
27		Quedem	30(p)	2.00
28		Maina	16/1	7.00
29	Sanguem	Rivona	107 & 108	50.00
30		Neturlim	146(p)21(p), 105(p)	15.00
31		Colomba	48(p),57(p),68(p),144(p)	60.00
32		Curdi	39(p),29(p)	60.00
33		Ugem	39,82(p),68	135.00
34		Ugem	Not available	50.00
35		Bati	28(p),61	22.00
36		Patiem	11(p)	20.00
37		Cumbari	18(p)	20.00
38		Villiena	11(p)	25.00
39		Cormonem	Not available	15.00
40		Bati	Not available	20.00

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ANNEXURE VII A (Cont.)

FORESTS ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(SOUTH GOA)

1	2	3	4	5
41	Sanguem	Naiquinim	1	15.00
42		Rumbrem	9(p),10(p)	40.00
43		Codli	41(p)	30.00
44		Netorlim	21,105	10.00
45		Verlem	14(p),18(p) 19(p),22(p)	100.00
46		Tudou	5, 6, 19	16.00
47		Potrem	31,32,34 ²³	10.00
48		Curpem	5(p)	10.00
49	MARMAGAO	Sancoale	69(p),54(p)	20.00
50		Grande Island & St. George Island		40.00
Total				27.00 sq. km

ANNEXURE VII B

**FOREST ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(NORTH GOA)**

Sr. No.	Taluka	Village	Survey No.	Area Ha.
1	2		4	5
1		✓ Gaundaulim	15/1,15/5,16/0	5.00
2		Bainguinim	Part of 16/1, part of 26/2, part of 31, part of 32	50.00
3		Ella	77,79,136,138	33.98
4	Tiswadi	Gaoli-moula	31/1,39/2	100.00
5		Mandur	43/1	20.00
6		Cujira	Not available	5.00
7		Taulim	107/1	60.00
8	Bicholim	Latambarcem	764,765,768	20.00
9		Nanora-latambarcem	518	5.00
10		Latambarcem	Not identified	10.00
11		Amthane Latambarcem	Not identified	5.00

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ANNEXURE VII B (cont.)

**FOREST ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(NORTH GOA)**

1	2	3	4	5
12	Bicholim	Sal	Not identified	10.00
13		Dhumasem Mencurem	Not identified	10.00
14		Nanora-latambarcem	Not identified	5.00
15		Nanora-latambarcem	Not identified	5.00
16	Sanguem	Sangod	12/1(p),20/1(p)	40.32
17		Sangod	29/1	20.7625
18		Sangod	33/1Part	18.76
19		Molem	17/1(p)	115.00
20		Darbondora(Tathodi)	100/1	7.69
21		Darbondora	172/1	4.18
22		Darbondora	208/1 Part	5.30
23		Colem	39/2	10.9475
24		Calem/Kalay	71/2(p),74/1(p),96/1(p)	56.00

70.00

(cont.)

ANNEXURE VII B (cont.)

**FOREST ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(NORTH GOA)**

1	2	3	4	5
25	Sanguem	Dongurli	8/0(p)	5.00
26		Surla	6/0(p)	14.00
27		Surla	16/4 Part	10.00
28		Surla	27/0	0.77
29		Surla	17/4(p), 29/0(p)	26.00
30		Surla	33/0(p), 37/0(p), 67/0(p), 10/0(p)	67.25
31		Surla	71/0 Part	31.00
32		Sacordem	33/1(p), 26/1(p)	16.22
33	Ponda	Cuncolem	91/0, 88/0	28.75
34		Cuncolem	90/0	16.36
35		Querim	136/1, 137/1	10.00
36		Nirancal	45/0, 111/0, 101/0, 103/0, 31/3, 72/0, 73/0, 31/0	62.54
37		Khandepar	120/1 & 120/2	2.00

(cont.)

ANNEXURE VII B (cont.)

FOREST ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(NORTH GOA)

1	2	3	4	5
38	Ponda	Shiroda	636/1	10.88
39		Borim	357/1	5.00
40		Codar	49/0 (p)	5.00
41	Satari	✓ Codal	6/4 -9, 10/1, 10/2, 15/1, 15/3, 15/4, 22/1-2, 23/1-3, 24/0, 6/2, 15/2	212.2875
42		✓ Keri	102/1, 24/1	200.00
43		Ravan	71/0	6.00
44		Molpona	28/1, 35/1	14.00
45		Naneli	30/1, 29/0	10.00
46		Naneli	32/0(p)	5.00
47		Melauli	54/1	5.00
48		Melauli	11/1, 86/2, 13/1	18.00

(cont.)

ANNEXURE VII B (cont.)

FOREST ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(NORTH GOA)

1	2	3	4	5
49		Ponha de Franca	38/1(p), 40 part, 42(p), 45(p), 39(p), 51(p), 52(p), 84(p), 85(p), 86(p), 92(p), 93(p), 104/1(p), 104/2(p), 105/1(p) 69/4	26.00
50		Reis Magos	Part of 32/1, 41/0, 42/1, 43/0, 45/0, 46/0, 47/1, 48/1, 48/1-A- E, 48/2, 48/3, 48/4, 48/5, 49/1, 50/1, 51/1, 51/2, 51/3, 52/1, 53/1, 54/1, 55/1, 56/1, 56/2, 57/1, 57/2, 64/3, 64/5, 63/0(p), 44/0.	93.46
51	Bardez	Marna	Part of 100/9, 100/12, 104/1, 105/1, 105/2, 105/3, 105/24, 105/26, 105/34, 105/39, 105/48, 105/49, 105/50, 105/51, 105/52, 106/0.	15.00
52		Siolim	200(p), 295/1, 295/2	20.00
53		Thivim	Part of 399/1, 399/12, 401(p), 403/1-3, 404/0, 405/0, 366/3-A	23.00

(cont.)

ANNEXURE VII B (cont.)

FOREST ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(NORTH GOA)

1	2	3	4	5
54	Bardez	X Socorro	13/1(p), 164(p), 164/1-A(p), 164/1B(p), 164/1-C(p), 164/1-D(p), 164/1E(p), 164/1F(p) 164/2(p), 165/1-12(p), 166/1-2(p) 167/1(p), 170/1(p), 171/1(p), 172/1(p), 260/1(p), 261/1A(p), 261/1b(p), 261/1c(p), 173(p), 174(p), 268(p), 278(p), 291(p), 292(p), 301(p), 303(p), 304(p), 305(p), 307(p), 308(p).	50.00
55		Salvador do Mundo	233/1, 233/2, 235/0, 236/0, 237/0, 239/1, 239/2, 266/0, 274/0	80.00
56		Salvador do Mundo	127/1, 127/2, 127/3, 132/0, 129/1	8.6975
57		X Pomburpa	Parts of 9/1, 12/1, 13/1, 16/2	30.00
58		Colvale	87/1, 158/1, 158/2, 158/3, 158/4	5.00
59		Pilerne	part of 17/1, 17/1-A, 17/1-B, 23/1, 23/1-a, 31/1, 30/1, 22/1	60.00
50		Veria	94/1(p), 95/1-3, 95/5-7, 110/2-6, 110/13-14	5.00
51		Assagao	Part of 188/1-12, 189/1-5, 194/1- 5, 195/1, 195/4	5.00

(cont.)

99

245.69

243.66

ANNEXURE VII B (cont.)

FOREST ON LANDS OTHER THAN
'GOVERNMENT FOREST LANDS AND REVENUE LANDS'
(NORTH GOA)

1	2	3	4	5
62	Bardez	Arpora	62/0, 63/0, 64/0, 71/1-6, 72/0, 73/1-4, 81/1-A, 81/2-4, 81/6-7, 83/0, 84/1-5, 92/1-5, 93/1-2	50.00
63	Pernem	Dhargal	340(p), 339(p), 337(p), 336(p)	40.00
64		Casarvornem	6(p), 7(p), 270(p), 271(p)	10.00
65		Pernem	339/0(p)	10.00
66		Vazari-Madcai	Not identified	5.00
67		Pernem	Not identified	10.00
68		Tuem	Not identified	5.00
69		Alorna	Not identified	5.00
			Total	19.60 sq. km

Total
= 1960.155

43

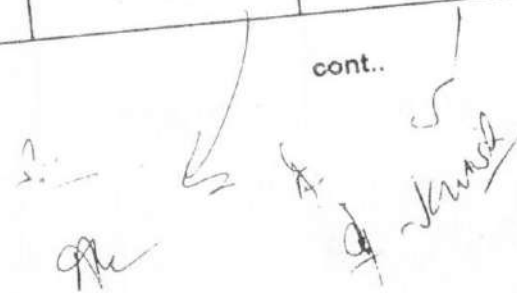
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ANNEXURE VIII A

FOREST LANDS CLEARED FOR MINING PURPOSE

No.	Name of the project	Diverted Area(Ha) 3	Buffer Area(Ha) 4
1	2		
1	Diversion of mining areas 43.31 Ha. 16 mining concessions Approved under Forest Conservation Act, 1980	43.3100	
2	Diversion of 32.7270 ha. of forest land for renewal of deemed mining lease No.7 of 1950 in South Goa District.	32.7270	20.1764
3	Diversion of 72.2289 ha. of forest land for renewal of deemed mining lease No.31 of 1954 in favour of M/s Chowgule of Vasco in South Goa District.	72.2289	40.2289
4	Diversion of 33.2470 Ha. of forest land for renewal of mining lease bearing T.C. No.2/1951 of M/s M.S.Talaulikar & Sons Pvt. Ltd. North Goa District.	33.2470	
5	Diversion of 88.60 ha. of forest land for renewal of deemed mining lease No.88 of 1952 granted to M/s Sociedade De Fomento Industrials Ltd.	88.6000	28.6000
6	Diversion of 15.0769 ha. of forest land for renewal of deemed mining lease No.21/54 in favour of M/s V.M.Salgaonkar & Bros. Ltd. in North Goa District.	15.0769	

cont..



ANNEXURE VIII A (cont.)

FOREST LANDS CLEARED FOR MINING PURPOSE

1	2	3	4
7	Diversion of 16.47 ha. of forest land for renewal of deemed mining lease No.44/1956 in favour of M/s V.M. Salgaonkar & Bros. Ltd. in North Goa District.	16.4709	-
8	Renewal of deemed mining lease No.83 of 1952 in favour of M/s V.M.Salgaonkar & Bros Ltd. of Vasco.	54.2000	-
9	Renewal of deemed mining lease No.29 of 1954 of M/s V.M.Salgaonkar & Bros Ltd. of Vasco.	11.3125	-
10	Diversion of 78.85 ha. of forest land for renewal of deemed mining lease No.19 of 1952 in favour of M/s V.M. Salgaonkar & Co., in North Goa District of Goa.	72.8500	53.1500
11	Diversion of 4.44 ha. of forest land at Potrem Village of Sanguem Taluka of M/s Chowgule & Co.,	4.4400	-
12	Diversion of 43.3608 Ha. of forest land for renewal of deemed mining lease No. 26/57 in favour of M/s Chowgule & Co., Ltd. In North Goa District.	43.3608	32.0308
13	Diversion of 57.970 Ha. of forest land for renewal of mining lease bearing T.C. No.23/53 in favour of M/s Emco Goa Pvt. Ltd.	57.9700	6.514

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ANNEXURE VIII A (cont.)

FOREST LANDS CLEARED FOR MINING PURPOSE

1	2	3	4
14	Diversion of 34.1710 Ha. of forest land for renewal of mining lease bearing T.C. No.39 of 1956 of M/s V.M. Salgaonkar & Bros. Ltd. in North Goa District.	34.1710	20.6060
15	Renewal of mining lease in respect of T.C. No.84/53 M/S Damodar Mangalji & Co., Pvt. Ltd.	46.7900	28.1498
16	Renewal of mining lease in respect of T.C. No.46/56 M/s Damodar Mangalji & Co., Pvt. Ltd.	28.1513	17.5367
17	Renewal of mining lease in respect of 17of T.C. No.1949 of Shri Atmaram T. C. Palondkar of Margao.	44.6900	39.3164
18	Renewal of mining lease in respect of T.C. No.40/54 of M/s Dempo, Panaji.	51.0000	49.4150
19	Renewal of mining lease in respect of T.C. No.35/52 M/s V.S. Dempo Panaji.	64.7500	50.3236
20	Renewal of mining lease in respect of T.C. No. 6/57 of Shri Atchut V.S. Velingkar of Mardol Goa.	16.5600	5.2500
21	Renewal of mining lease in respect of T.C. No.3/51 of M/s V.S. Dempo, Panaji.	84.6175	67.2285

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ANNEXURE VIII A[†] (cont.)

FOREST LANDS CLEARED FOR MINING PURPOSE

1	2	3	4
22	Renewal of mining lease in respect of T.C. No.40/57 of M/s Chowgule & Co., Pvt. Ltd. Vasco da Gama.	57.9600	18.9800
23	Renewal of mining lease in respect of T.C. No. 42/57 of M/s Chowgule & Co., Pvt. Ltd. Vasco da Gama.	45.1600	18.2952
24	Renewal of mining lease in respect of T.C. No. 26/60 of M/s Damodar Mangalji & Co., Pvt. Ltd. Panaji.	23.4000	22.4000
25	Cutting of trees in excess road of mining in Vichundrem village of Sanguem Taluka.		
26	Renewal of Mining lease in respect of T.C. No. 55/53 of Shri Zacaria Antao, Betalbatim Salcete.	31.3425	8.78800
27	Renewal of Mining lease No. 67/52 of Shri A.V.S.Vellngkar	36.3800	20.9920
	Total	1110.8100	547.0000

ANNEXURE VIII B

FOREST LANDS CLEARED FOR DEVELOPMENT PURPOSE

Sr.No.	Name of the project	Area (Ha.)
1	2	3
1	Realease of 90 ha. of forest land in Nugahari, Goa for construction of 220 KV transmission line (interstate)	90.00
2	Release of 1 ha. forest land for construction of 110 KV DC line (Tower) from Ponda to Tivim in North Goa District.	1.00
3	Release of 1950 sq.,ts. of forest land in compartment No.12-B Usgaon Block of North Goa Div. for Geometric improvement of NH-4 A between KM114/00 to 116/00 (Tisks by pass)	0.19
4	Widening of curves with constructions of Nallah in Onha-Valpoi S.H. in between ch.50/2 to 50/6	0.12
5	Proposal for dereservation of Reserved forest at km.99/800 to Anmod section)	0.96
6	Construction of road from Shirshirem to Sidhanath Temple in Ponda Taluka (Phase)	0.36
7	Tourist cottages at Keri Jambui (Suria) in Suttari Taluka.	
8	Proposal for diversion of 3.404 ha. of forest land at village Chandel In Pernem Taluka in North Goa District for construction of right bank main canal of Tillari irrigation project from 700 KM to 10.100 KM.	3.40

(cont.)

ANNEXURE VIII B (cont)

FOREST LANDS CLEARED FOR DEVELOPMENT PURPOSE

1	2	3
9	Diversion of 23.80 ha. of forest land for 220 kv D/C Tower line tapping from the existing 220 KV D/C Tower line from Nagzare (Karnataka to Ponda Goa) at Dharbandora to Xyldem)	23.8000
10	Land Acquisition of 1400 mm dia. P.S.C. Pipe line across at Sirvoi Hillock Vasheii Dongor in Quepem Taluka.	2.5000
11	Deforestation in mining concession No.3 of 1952.	1.0000
12	Release of 4920 sq.mt. of forest land for construction of approach road to minor bridge at km 53/600 of N.H.17 (Panaji -Karnataka border Section)	0.4900
13	Diversion of 8.7 ha. forest land for construction of Chapoli Minor or irrigation project in South Goa Division.	8.7000
14	Diversion of 0.4 ha. of forest land for construction of primary school building at Devrem under Vichundrem Sanguem.	0.4000
15	Approach roads to Minor Bridge at km.67/10 N.H. (Panaji - FD Goa Karwar Border Section)	0.9600

(cont.)

ANNEXURE VIII B (cont.)

FOREST LANDS CLEARED FOR DEVELOPMENT PURPOSE

1	2	3
16	Diversion of forest land for 220 KV D/C Tower line from Dharbondora to Xeldom.	21.07
17	Diversion of forest land for non -forest use (Approach road) at km. 94/400 NH 4 A (Belgaum to Panaji)	0.88
18	Transfer of 150 sq.kq mt of forest land to NH to FDR works of at km 85/500 in retaining wall Mallem village of Sanguem Taluka.	0.01
19	Diversion of forest area for widening of curve at km. 14.65 on State Highway No.7 in Sanvordem village of Sanguem Taluka.	0.2273
20	Diversion of 19.496 sq.mts. of forest land for 15 MLD Regional water supply scheme at Chandel in Pernem Taluka.	1.9495
21	Diversion of 36.00 Ha. of forest lands for Konkan Railway	36.7
22	Diversion of 2.472 Ha. of forest land in Betora and Curti village for construction of Bye-pass road from Dhavli to Candepar	2.47

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ANNEXURE IX A

PLANTATIONS BELONGING TO GOVERNMENT ON 'GOVERNMENT FOREST LANDS'

Sr. No.	Species	Area in Ha.
1	Teak	9507
2	Eucalyptus	5204
3	Bamboo	223
4	Cashew	11196
5	Rubber	851
6	Acrocarpus	226
7	Casuarina	768
TOTAL		27975

Source: Forest Department: Goa Forests 'A Statistical Report' - 1999

ANNEXURE IX B

PLANTATION BELONGING TO GOVERNMENT ON 'COMMIUNIDADE LANDS'

Sr. No.	Species	Area in Ha.
1	Teak	919
2	Eucalyptus	179
3	Cashew	335
4	Acrocarpus	10
5	Casuarina	15
6	Others	3022
7	Roadside	79
8	Canal bank	276
Total		4835

Source: Forest Department: Goa Forests 'A Statistical Report' - 1999

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ANNEXURE IX C

PLANTATIONS BELONGING TO PRIVATE PERSONS

Sr. No	Taluka	Coconut	Arecanut	Cashew	Miscellaneous	Total
1	Tiswadi	1697	4	4118	143	5962
2	Bardez	2932	2	6259	29	9222
3	Pernem	1567	1	8011	0	9579
4	Bicholim	1477	64	7419	45	9005
5	Satari	863	322	9294	4	10483
6	Ponda	2410	907	3234	349	6900
7	Sanguem	2892	75	6578	10	9555
8	Canacona	1642	35	3035	0	4712
9	Quepem	2077	37	2339	0	4453
10	Salcete	6015	-	1695	0	7710
11	Mormugao	1216	3	322	0	1541
	TOTAL	24788	1450	52304	580	79122

Source: Directorate of Planning, Statistics & Evaluation: Goa at A Glance report: Ref Year 1998

ANNEXURE X A

Meetings held by State Level Expert Committee

Date	Chairman	Dr.Untawale	J. Wagh	C.F.	DCF(N)	DCF(S)	DCF(WP)
02.1997	P	P	P	P	P	P	P
02.1997	P	A	P	P	P	P	P
03.1997	P	P	P	P	P	P	P
03.1998	P	P	P	P	P	P	P
04.1997	P	P	P	P	P	P	P
04.1997	P	P	P	P	P	P	P
05.1997	P	A	P	P	P	P	P
04.07.1997	P	P	P	P	P	P	P
06.08.1997	P	A	P	P	P	P	P
11.11.1997	P	P	A	P	P	P	P
25.03.1998	P	P	P	P	P	P	P
09.08.1998	P	P	P	P	P	P	P
30.09.1998	P	P	P	P	P	P	P
02.11.1998	P	A	P	P	P	P	P
07.01.1999	P	A	P	P	P	A	P
15.01.1999	P	P	P	P	P	P	P
19.02.1999	P	P	P	P	P	P	P
26.03.1999	P	P	P	P	P	P	P
21.09.1999	P	P	P	P	P	P	P

* P = PRESENT
* A = ABSENT

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ANNEXURE XI

SURVEY,
COMPUTATION AND
MAPPING OF THE
PRIVATE FOREST
AREAS
PROJECT
REPORT

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SURVEY, COMPUTATION AND MAPPING OF THE PRIVATE FOREST AREAS

BRIEF HISTORY:

State Level Expert Committee was set up in pursuance of the directive contained in the order of the Hon'ble Supreme Court dated 12.12.1996 vide Government of Goa Notification No. 8-12-96/FOR(REV) (PER) A dated 21.01.1997. The Committee was assigned the following tasks:

1. Identify areas which are "Forest" irrespective of whether they are so notified, recognised or classified under any law, and irrespective of the ownership of the land of such forest,
2. Identify areas which were earlier forests but stand degraded, denuded or cleared, and
3. Identify areas covered by plantation trees belonging to the Government and those belonging to private persons.

In this regard the Committee has submitted two interim reports. The territorial divisions were assigned the task of identifying forests in private areas. By the latest compilation of data in the office of the Working Plan Division, approximately 42 sq km of private forest had been identified. But during the process of identification a problem arose, identification of survey numbers of the village where the forest existed and also there were cases where only a part of the survey number could be identified as forest. The committee decided on the following criterion to identify forests. These are:

75% of its composition should be forestry species.

The area should be contiguous to Government Forest and if in isolation the minimum area should be 5 hac.

The canopy density should not be less than 0.4

In light of the above, it was felt that if the Government has to do proper computation of such forests which have been identified. A survey of such areas is required where only a part of the survey number constitutes a forest. As this would put an additional work burden on the existing staff of Working Plan Division, a project report is submitted to the Government for grant of additional funds which would be required to do as exercise as with the present staff and infrastructure it would be extremely difficult to survey such areas.

WORKS TO BE TAKEN UP

Survey and boundary clearance of 1mt. width where part of the survey number has to be identified as 'Forest' and its plotting/computation of area.

Tracing of areas identified as forests on village maps and its digitization and subsequent final transfer on the map of Goa on preferably 1:25000 scale.

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As survey of such forests identified can only be taken up from the months of October to March. It will take at least two Working Seasons to complete the field work so time would be required to plot these on the maps. Therefore, the above project is expected to take at least 2 years i.e., 1998-1999 to 1999-2000.

The survey and boundary clearance work will be taken up from October to March. There will be seven parties working headed by a trained person (engaged on daily wage) supervised by the Forest surveyors, these will work at seven different sites/villages. On average each party would clear and survey about 7 running kilometres of boundary in a month.

Therefore, at the end of one working season approximately 294 km of boundary would be cleared and surveyed, simultaneously computation and plotting of such areas on a village map would be taken up (1:4000 or 1:10,000 scale) and subsequently on the district map. This group would work throughout the year to achieve the desired targets.

POWER REQUIREMENTS

FOR FIELD WORK

Chief Forest Surveyor-----1
Forest Surveyor-----3
Trained Personnel-----7
Labourers-----35

FOR COMPUTATION AND DIGITIZATION

Chief Forest Surveyor-----1
Forest Surveyor-----1
Trained Personnel-----2

INFRASTRUCTURAL REQUIREMENTS

TRANSPORTATION

For co-ordination of movements of the working groups from one village to another along with the camping material and equipments a Tatamobile would be required. The co-ordination and inspections of these groups would be done by the Surveyors and Forest rangers who would require independent transport. Therefore, four motorcycles would be required.

Tatamobile (Dual Cabin)-----1
Motorcycle (100cc)-----4

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2. COMPUTATION AND DIGITIZATION

For speedy and smooth computation and digitization of data and maps there is a need for upgradation of the present GIS system from Arcad (DOS based) to Arcinfo (Window based) / Arcad (Window based). Survey and demarcation mangrove areas would require a dingy and a boat will be taken on hire basic. Imageries and digital data would be required from NRSA

TOTAL FINANCIAL REQUIREMENTS

MANPOWER REQUIREMENTS

Forest Surveyors- TA/DA claims during the months they do the field work.	Rs. 25,000
Chief Forest Surveyor/Dy. C.F.-TA/DA claims.	Rs. 5,000
Trained Personnel engaged on daily wages.	Rs. 2,00,000
Labourers engaged on daily wages.	Rs. 6,00,000
Total:	Rs. 8,30,000

INFRASTRUCTURE REQUIREMENTS

1. Automobile	Rs. 3,50,000
Maintenance and Fuel Costs	Rs. 1,50,000
2. Motorcycles (4)	Rs. 1,60,000
Maintenance and Fuel Costs	Rs. 50,000
3. Upgradation of GIS software and Scanner	Rs. 5,00,000
4. Survey Instruments / Drawing Instruments & stationery etc	Rs. 1,00,000
5. Camping & personal equipments	Rs. 50,000
6. Hire charges of boat	Rs. 50,000
7. Cost of dinghy with out board motor	Rs. 1,00,000
8. Petrol/kerosene	
9. Jackets including fuel & maintenance	Rs. 50,000
10. Walkie talkies	Rs. 1,00,000
11. Imageries / digital data from NRSA	Rs. 50,000
12. Provision for VCI in terms with stabilizer in computer room of GIS	
13. Vacuum cleaner	Rs. 5,000
14. Storage cabinet	Rs. 20,000
15. PS	Rs. 1,50,000
16. Office furniture	Rs. 40,000
17. Misc. And unforeseen items	Rs. 15,000
Total:	Rs. 19,40,000

TOTAL, Rs. 27,70,000 (Rupees Twenty Seven Lakhs and Seventy Thousand Only)