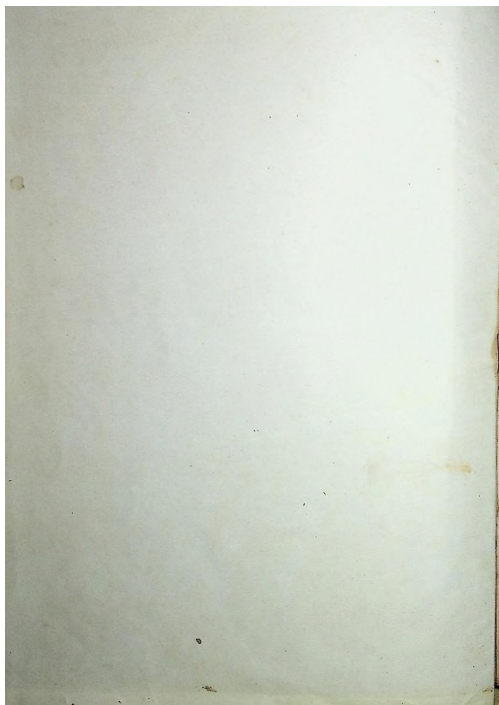




7
VOLUME 19

Initials

1991

INDIAN RUBBER STATISTICS

Compiled by
THE STATISTICS AND PLANNING DIVISION
Rubber Board

THE RUBBER BOARD
(MINISTRY OF COMMERCE, GOVT. OF INDIA)
KOTTAYAM 686001 INDIA

RUBBER BOARD OF INDIA	
Acc. No.	20674 J
Date	7/6/01
Initials	<i>[Signature]</i>

ABOUT THE RUBBER BOARD

The Rubber Board is a statutory body constituted under the Rubber Act, 1947.

The functions of the Board as defined under the Act are :—[1] to promote by such measures as it thinks fit the development of the rubber industry [2] Without prejudice to the generality of the foregoing provision the measures referred to therein may provide for:— [a] undertaking, assisting or encouraging scientific, technological or economic research : [b] training students in improved methods of planting, cultivation, manuring and spraying; [c] the supply of technical advice to rubber growers; [d] improving the marketing of rubber; [e] the collection of statistics from owners of estates, dealers and manufacturers, [f] securing better working conditions and [g] carrying out any other duties which may be vested in the Board under rules made under this Act.

It shall also be the duty of the Board- [a] to advise the Central Government on all matters relating to the development of the rubber industry, including the import and export of rubber [b] to advise the Central Government with regard to participation in any international conference or scheme relating to rubber; [c] to submit to the Central Government and such other authorities as may be prescribed, half-yearly reports on its activities and the working of this Act; and [d] to prepare and furnish such other reports relating to the rubber industry as may be required by the Central Government from time to time.

FROM THE CHAIRMAN

Collection of rubber statistics is one of the basic objectives of the Rubber Board. This publication, which is the 19th in the series, has been compiled from the statistics thus collected.

The statistics published in the volume is compiled not only from the Board's records but also from various other sources as indicated in the tables.

Suggestions for improving this publication will be appreciated.

Readers interested in the latest statistics of production, consumption, import, price etc. of rubber may refer to the 'Rubber Statistical News' (Monthly) issued by the Board.

The co-operation extended by producers of natural, synthetic and reclaimed rubber, dealers and processors of natural rubber and manufacturers of rubber goods and various organisations connected with the industry for making available the data is gratefully acknowledged.

I wish to record my appreciation of the valuable service rendered by Sri. R. G. Unny, Deputy Director and his team of officers in Statistics & Planning Division in compiling the publication. In-house computer facilities have been used to update the various statistical tables which would facilitate timely release of the brochure annually in future. The service rendered by the Computer unit of the Board in this connection is also gratefully acknowledged.

Kottayam-1,
27th Mey 1991.

J. LALITHAMBIKA
Chairman

ON INDIAN RUBBER STATISTICS BY OTHERS

Dr L. BATEMAN D. Sc FRS
SECRETARY GENERAL
INTERNATIONAL RUBBER STUDY GROUP

LONDON
7th July, 1980

"My colleagues and I are most impressed by the 'Indian Rubber Statistics [1980]', It is certainly one of the most comprehensive and detailed statistical records of the rubber industry in a natural rubber producing country [and indeed in almost any country] that we know of, and its value is correspondingly high. It reflects immense hard work and application by those responsible for the compilation, and we are happy to express our unreserved appreciation".

[Sd /-]
L. BATEMAN

[Note: 'International Rubber Study Group' is an intergovernmental organisation comprising 26 member Governments. The object of the Group is to provide a forum for the discussion of problems affecting the production and consumption of, and trade in, natural and synthetic rubbers, and to collect and disseminate comprehensive statistical information thereon.]

Dr. MOELJONO PARTOSOEDARSO
REGIONAL ADVISER ON RAW MATERIALS
AND COMMODITIES
ESCAP, UNITED NATIONS

BANGKOK
14th July, 1980

'Indian Rubber Statistics [1980]' has been very well and comprehensively prepared. It is certainly a useful publication both for the rubber industry in India as well as to all other rubber producing countries and Members of the ANRPC.

Sd /-
MOELJONO PARTOSOEDARSO

"Reliable and dependable statistics is a crying need in this Country. This want is acutely felt in regard to agricultural commodities.....Fortunately this is not the case with rubber production.It is a publication which is very expertly brought out".

COMMERCE
October 2, 1976.

IN RETROSPECT

Area, Production and Productivity

The Indian rubber plantation industry has recorded spectacular progress during the second half of the 1980s. Production of natural rubber, which in 1985-86 was 200,465 tonnes, went up to 329,615 tonnes in 1990-91, recording an annual compound growth of 10.5% as against 5.6% achieved during the first half of the 1980s. The VII Plan target was to produce 265,000 tonnes of natural rubber during 1989-90, against which the achievement was 297,300 tonnes, exceeding the target by 12%. Increase in harvested rubber area and yield per hectare has contributed to this creditable achievement. Introduction of subsidy for newplanting at par with replanting from 1979 onwards resulted in a spurt in newplanting, particularly in the small holding sector. During the five year period 82,900 hectare was newplanted and 25,500 ha. was replanted. The newplanted area include 26,400 hectare planted in non-traditional region. As rubber planted on the ground takes about 6 to 7 years to start giving yield, the full impact of the extensive newplanting and replanting will be visible only during 1990s. The yield per hectare, which in 1985-86 was 890 kg. has gone up to 1076 kg. in 1990-91. High yielding planting materials, particularly the variety RRII 105 developed and released by the Rubber Research Institute of India towards the close of the 1970s, have contributed to this commendable achievement. The plantation industry is poised for giving further spectacular results in the 1990s.

Synthetic Rubber Production

Production of synthetic rubber, which in 1985-86 was 34,758 tonnes, made up of 19,714 tonnes of Styrene Butadiene Rubber [SBR], 14,732 tonnes of Poly Butadiene Rubber [BR] and 312 tonnes of other grades has gone up to 57,293 tonnes comprising of 41,548 tonnes of SBR, 15,277 tonnes of BR and 468 tonnes of other grades during 1990-91. Total capacity utilisation is about 89%.

Consumption

Consumption of natural and synthetic rubber, which in 1985-86 was 307,475 tonnes rose to 463,810 tonnes in 1990-91 recording an annual compound growth of 8.6% as against 6.9% realised in the first half of 1980s. The 1980s witnessed an upsurge in general manufacturing activities as a result of easing of import restrictions, relaxation of Govt. controls and general improvement of the investment climate. Delicensing of tyre industry is another contributing factor. The export of rubber products has also surged up from 107.0 crores to 259.75 crores during the period from 1985-86 to 1990-91. The annual growth in production and consumption of rubber was as shown below:-

	Production			(Tonnes)		
	Natural	Synthetic	Total	Natural	Synthetic	Total
1985-86	200,465	34,758	235,223	237,440	70,035	307,475
1986-87	219,520	38,816	258,336	257,305	71,785	329,090
1987-88	235,197	44,468	279,665	287,480	76,410	363,890
1988-89	259,172	54,389	313,561	313,830	84,150	397,980
1989-90	297,300	53,482	350,782	341,840	93,550	435,390
1990-91	329,615	57,293	386,908	364,310	99,500	463,810

The relative use of natural and synthetic rubber during the year slightly changed in favour to natural rubber from 77.2% to 78.5%.

Import

The gap between production and demand is bridged by imports. The domestic production of natural rubber during 1990-91 was sufficient to meet 90% of the requirements as against 84% in 1985-86. The gap is estimated to decrease steadily in the coming years. The import of synthetic rubber is also continued during the period.

Price of rubber

In February 1986 Govt. of India introduced a Buffer-Stocking Scheme with a view to stabilise the price of natural rubber at reasonable level so as to make it remunerative to the rubber growers and fair to the rubber user industry. Under the Scheme, the fair price (benchmark price) of RMA-4 grade rubber was initially fixed at Rs. 1650 per quintal within an upper and lower price band of Rs. 1600 and 1700 per quintal respectively. The State Trading Corporation of India Ltd. is operating the Buffer Stocking Scheme and the market price is regulated by releasing the imported rubber, or by procuring the domestic rubber. In May 1987, the fair price was revised to Rs. 1700, with Rs. 1750 as upper and Rs. 1650 as lower level of price band. In September 1988, the fair price was revised to Rs. 1780 with the lower price band at Rs. 1730 while the upper price band was not fixed. On 15th January 1991 the benchmark price was revised to Rs. 2145, the upper and the lower price bands were changed to Rs. 2195 and 2095 respectively. The revisions are carried out based on the study into the cost of production conducted by the Cost Accounts Branch of the Ministry of Finance. The average market price of RMA-4 grade rubber during the last 5 years varied as shown below:

Price for RMA-4 grade

(Rs. per quintal in Kottayam market)

1985-86	:	1732
1986-87	:	1669
1987-88	:	1791
1988-89	:	1815
1989-90	:	2131
1990-91	:	2129

Average annual growth: 4.5%

The average price of synthetic rubber (S-1502 grade) during 1990-91 was Rs. 4010 which is 88% higher than the price of RMA-4 grade natural rubber.

WORLD POSITION

World production of natural rubber rose steadily during 1985 to 1989, but in 1990 it recorded a fall. The average growth rate in production during the five year period ending 1990 was 3.1%. The consumption also recorded a steady improvement up to 1989 while it declined during 1990.

The following table gives the world production and consumption of natural and synthetic rubber:-
[In Thousand Tonnes]

	Production			Consumption		
	Natural	Synthetic	Total	Natural	Synthetic	Total
1985	4,400	8,960	13,360	4,460	9,000	13,460
1986	4,490	9,260	13,750	4,470	9,280	13,750
1987	4,850	9,460	14,310	4,800	9,590	14,390
1988	5,130	10,160	15,290	5,140	10,000	15,140
1989	5,250	10,030	15,280	5,310	10,050	15,360
1990	5,100	9,970	15,070	5,260	9,850	15,110

The share of natural rubber in world consumption has improved from 33.1 % in 1985 to 34.8% in 1990.

Reflecting the strong growth in demand, particularly for latex concentrates in 1987 and 1988 natural rubber price in the international market surged to a peak in June 1988. Thereafter it showed a downward trend. The following table depicts the average annual trend in price:-

Average price of RSS-3 Grade [equivalent to RMA-4 Grade] in Kuala Lumpur Market.

	Ms	Rs.
1985	179.8	890
1986	202.1	988
1987	235.8	1214
1988	301.2	1600
1989	247.7	1486
1990	220.4	1436

Average annual growth : 5.6%

The steep fall in price has resulted in curtailment of production in some of the rubber producing countries quite significantly during the last two years.

The International Natural Rubber Agreement (INRA) 1979, concluded within the framework of the UNCTAD Integrated Programme for Commodities, was replaced by a second Agreement known as INRA 1987. The Agreement, which came into force provisionally on 29th December 1988, mainly aims at stabilising the conditions in the international rubber trade by avoiding excessive price fluctuations. The International Natural Rubber Organisation (INRO) which is administering the Agreement is operating a buffer stock with this objective.

Kottayam-1
27th May, 1991.

R. G. UNNY,
Dy. Director

CONNOTATIONS

Holding	:	Unless the contrary is stated, the word means a rubber area contiguous or non-contiguous aggregating 20.23 hectares (50 acres) or less under a single ownership.
Estate	:	Land contiguous, or non-contiguous aggregating more than 20.23 hectares (50 acres) planted with rubber under a single ownership is treated as 'estate'. However, estates/holdings situated in different taluks even if they are under a single ownership are considered separately. In this context, the word owner includes any agent of an owner and a mortgagee in possession and a lessee of the area.
Newplanted area	:	Land planted with rubber for the first time.
Replanted area	:	Land planted with rubber by removing the rubber trees planted earlier.
High yielding area	:	Area planted with clonal seedlings and clones (budgrafts) approved by the Rubber Board. It may be stated that till 1970 Tjir-1 clonal planting material was also included under high yielding varieties. From 1971 onwards this variety is not recommended for planting. So the area under high yielding varieties in this publication includes area planted with Tjir-1 variety upto 1970.
Tappable area	:	Area which is estimated to be tappable.
Yield per hectare	:	Average yield per hectare of tappable area.
Manufacturer	:	A manufacturer of rubber goods who has taken out a licence from the Board for acquiring natural rubber.
Dealer	:	One who has taken out a licence from the Board for dealing in natural rubber/holding natural rubber stock. Under the Rubber Act all dealers of natural rubber and all consumers of natural rubber (manufacturers of rubber goods) should take out licence from the Rubber Board.
Natural rubber	:	Includes the dry rubber content (drc) of all grades and qualities of natural rubber. Quantity under latex also refers to weight of dry rubber content.
Ungraded rubber	:	Small holders, particularly those in the lower area group generally sell their smoked sheet rubber to dealers without grading and packing. This rubber consists of mostly RMA 3,4 & 5 and off-grades. Grading and packing is done usually at the medium/big dealers' level.
Synthetic rubber	:	Includes oil content of oil extended rubber and total solid content of latices.
Reclaimed rubber	:	Comprises of both natural and synthetic reclaimed rubber.

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TABLE - 1

AREA NEWPLANTED AND REPLANTED WITH RUBBER SINCE 1955-56
(Area in hectares)

Year	Newplanted	Replanted	Total
1955-56	9342	719	10061
1956-57	12030	737	12767
1957-58	14278	1394	15672
1958-59	12605	1874	14479
1959-60	9963	1641	11604
1960-61	12104	1385	13489
1961-62	14485	2446	16931
1962-63	13222	2499	15721
1963-64	6551	2309	8860
1964-65	5800	2692	8492
1965-66	4749	4163	8912
1966-67	5866	4039	9905
1967-68	6614	2905	9519
1968-69	6079	1905	7984
1969-70	6709	1920	8629
1970-71	6655	2089	8744
1971-72	3044	1473	4517
1972-73	3775	1704	5479
1973-74	3975	1576	5551
1974-75	4310	2200	6510
1975-76	4561	3000	7561
1976-77	4882	3172	8054
1977-78	4770	3645	8415
1978-79	4250	4058	8308
1979-80	12300	4065	16365
1980-81	16900	4056	20956
1981-82	17600	4188	21788
1982-83	17800	4065	21865
1983-84	18700	4150	22850
1984-85	19600	4100	23700
1985-86	18500	4000	22500
1986-87	19500	4100	23600
1987-88	18200	4800	23000
1988-89	17500	5100	22600
1989-90	17200	5500	22700
1990-91	10500	6000	16500

Note: Figures for 1988-89 and 1989-90 are provisional
and 1990-91 estimate

TABLE - 2

(Tab)

STATEWISE AREA UNDER RUBBER AT THE END OF EACH YEAR
(Area in Hectares)

Year	Kerala	Tamilnad	Karnataka	Tripura	Assam	Nephalaya	Nauland	Mizoram	Manipur	ANM Islands	Goa	Maharashtra	Orissa	Andhra	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1950-51	7035	3025	1415							110					74915
1951-52	7050	3126	1415							110					75641
1952-53	7180	3205	1435							110					76556
1953-54	7296	3351	1455							110					77882
1954-55	7687	3594	1476							110					81217
1955-56	6857	3917	1503							110					84067
1956-57	9130	4289	1578							171					97339
1957-58	18452	4846	1589							171					111027
1958-59	116113	5092	1594							171					122978
1959-60	124987	5715	1619							171					132412
1960-61	133609	6256	1659							181					143985
1961-62	149015	6923	1747		*					195					157608
1962-63	161118	7589	1935		*					195					170749
1963-64	184542	7980	2121	*	*					195					176846
1964-65	177289	8599	2321	*	*					195					187324
1965-66	174561	9283	2633	*	*					236					186713
1966-67	179194	9873	2916	*	*					277					192260
1967-68	184657	10566	3289	*	*					290	*				198592
1968-69	189125	10852	4869	*	*					368	*				204414
1969-70	193763	11287	5285	*	*					468	*				210893

* - Refer to less than 100 hectares omitted

Table -2 (Contd.)

Year	Kerala	Tamilnad	Karnataka	Tripura	Assam	Meghalaya	Manaland	Mizoram	Manipur	AN Islands	Goa	Maharashtra	Orissa	Andhra	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1970-71	196424	11712	6525	*	*	*	*	*	*	537	*	*	*	*	21198
1971-72	206474	12677	6767	*	*	*	*	*	*	665	*	*	*	*	21981
1972-73	202761	12677	7059	183	*	*	*	*	*	748	125	*	*	*	22445
1973-74	285595	13188	7478	223	*	*	*	*	*	768	153	*	*	*	227317
1974-75	208430	13439	8098	387	182	106	*	*	*	787	191	*	*	*	231452
1975-76	211088	13776	8585	417	116	141	*	*	*	818	223	*	*	*	235876
1976-77	215197	14049	8736	574	134	191	*	*	*	838	262	*	*	*	240593
1977-78	215906	14345	8798	878	152	293	*	*	*	908	338	*	*	*	245288
1978-79	222218	14525	8815	1386	285	628	*	*	100	908	423	*	*	*	249258
1979-80	232383	15268	8861	1989	419	778	*	*	216	908	464	*	*	*	261378
1980-81	241675	15513	9084	2746	568	925	*	*	216	980	512	*	*	*	278857
1981-82	262200	15740	9227	3598	789	1835	*	*	178	291	980	563	*	*	295983
1982-83	275880	16810	9582	4578	848	1188	*	*	276	331	982	684	*	*	313161
1983-84	295688	16248	9973	5338	924	1199	185	428	331	988	648	*	*	*	331674
1984-85	312308	16498	18718	6545	1853	1266	285	478	335	912	711	*	*	*	358537
1985-86	328823	16567	11392	7742	1242	1418	355	570	355	919	773	*	*	*	369348
1986-87	342642	16765	11913	10095	1968	1831	525	628	448	938	831	*	*	*	388538
1987-88	355818	16917	12553	12678	3178	2589	575	658	518	943	851	132	*	*	404443
1988-89	366788	17837	12889	14126	5144	3229	918	818	685	948	881	137	146	*	423722
1989-90	376818	17180	13288	16628	8158	3688	1118	988	765	958	923	143	191	142	440864
1990-91	384888	17158	13588	17128	9388	3888	1395	1188	1215	962	978	145	258	185	451252

* - Refer to less than 100 hectares notified

p - Provisional

TABLE - 3

DISTRICT/STATE/UNION TERRITORY WISE AREA OF RUBBER UNDER HOLDINGS & ESTATES
(Area in hectares)

Name of District/ State/Union Territory (1)	1968-61			1965-66			1970-71		
	Holdings (2)	Estates (3)	Total (4)	Holdings (5)	Estates (6)	Total (7)	Holdings (8)	Estates (9)	Total (10)
1. Trivandrum	3657	1097	4754	4974	1310	6284	6223	1414	7637
2. Quilon	13335	9888	23223	17347	12152	29499	21116	12338	33454
3. Alleppey	2195	115	2310	3862	60	3142	3882	60	3842
4. Kottayam	35676	9818	45494	43566	10490	54056	49313	9874	59187
5. Ernakulam	13495	4568	18063	18648	6255	24903	21807	6268	28067
6. Trichur	1537	5389	6926	2842	5886	8728	3236	5847	9083
7. Palghat	2471	3640	6111	4441	4810	9251	3237	1906	5143
8. Malappuram	-	-	-	-	-	-	9930	7573	17503
9. Kozhikode	8417	18325	18742	12292	11620	23912	9283	7113	16396
10. Cannanore	7583	2603	10186	11483	3383	14786	14664	3428	18092
KERALA	88366	47443	135809	116675	55886	174561	142611	55013	198424
11. Kanyakumari	1736	3878	5614	4856	4685	8641	5117	5922	11039
12. Madurai	11	142	153	18	145	153	18	143	153
13. Nilgiris	84	161	245	84	161	245	86	161	247
14. Coimbatore	-	221	221	-	221	221	-	221	221
15. Salem	23	-	23	23	-	23	23	-	23
16. Tirunelveli	-	-	-	-	-	-	29	-	29
TAMIL NADU	1854	4402	6256	4153	5130	9283	5265	6447	11712
KARNATAKA	155	1584	1659	182	2451	2633	1924	4681	6525
A & N ISLANDS	-	181	181	-	236	236	-	537	537
Grand Total	98375	53538	143905	123810	63703	186713	149680	67398	217198

TABLE - 3(Contd...)

Name of District State/Union Territory	1975-76			1980-81			1985-86		
	Holdings (11)	Estates (12)	Total (13)	Holdings (14)	Estates (15)	Total (16)	Holdings (17)	Estates (18)	Total (19)
1. Trivandrum	6924	1116	8050	8137	971	9108	13546	964	14510
2. Quilon	21873	12439	34312	26465	12548	39013	24438	9596	34026
3. Pathanamthitta	-	-	-	-	-	-	19895	6448	26343
4. Alappay	3854	68	3914	4222	51	4273	3736	32	3768
5. Kottayam	58174	2956	56130	61341	5846	66387	75483	4846	80329
6. Idikki	10691	5194	15885	13763	4813	18576	26346	4737	31083
7. Ernakulam	17316	3753	21069	22433	3312	25745	33594	3175	36749
8. Trichur	3719	5481	9120	4392	5398	9782	5582	4911	10493
9. Palghat	6345	2339	8684	9941	2838	11779	12847	1922	14769
10. Malappuram	11416	5952	17368	14491	4833	19324	16631	3778	20401
11. Kozhikode	18851	6305	17156	13588	5663	19171	16741	4584	21245
12. Wymad	-	-	-	-	-	-	4613	149	4762
13. Cannanore	16632	3488	20120	21254	3863	24317	15843	1511	16554
14. Kasargod	-	-	-	-	-	-	11877	1874	12951
KERALA	159085	57883	211808	199947	47728	247675	280364	47639	328023
15. Kanvakuari	6671	6428	13099	6858	8232	15090	8867	7265	16132
16. Others	153	524	677	128	383	423	132	383	435
TAMIL NADU	6824	6952	13776	6978	8535	15513	8999	7568	16567
KARNATAKA	2821	6544	8585	2188	6816	9004	4774	6618	11392
A & N ISLANDS	-	918	918	22	878	900	24	895	919
TRIPURA	28	389	417	159	2587	2746	1955	5787	7742
ASSAM	-	116	116	-	568	568	288	1842	1242
MEGHALAYA	-	141	141	-	923	923	25	1385	1410
MAHARASHTRA	-	-	-	-	-	-	68	295	355
MIZORAM	-	-	-	-	-	-	188	478	578
MANIPUR	-	-	-	-	216	216	-	355	355
GOA	9	214	223	48	512	520	225	548	773
Grand Total	168687	67189	235876	281334	68723	278857	296726	72622	369348

TABLE - 3 (Contd..)

Name of District/ State/Union Territory	1986-87	1987-88	1988-89	1989-90		
	Total (20)	Total (21)	Total (22)	Holdings (23)	Estates (24)	Total (25)
1. Trivandrum	15636	16661	17690	17231	923	18174
2. Coimbatore	36288	37710	39016	29749	9779	39528
3. Pathanamthitta	27845	29447	30538	25264	6146	31410
4. Alappuzha	3831	3970	3951	4518	32	4350
5. Kottayam	84187	87356	89853	87703	4627	92330
6. Idikkai	31263	31890	32139	28098	4560	32658
7. Ernakulam	39957	40338	41199	39293	2996	42289
8. Trichur	10500	10550	11233	6798	4910	11708
9. Palghat	15440	16854	18081	17224	1673	18897
10. Malappuram	20720	21400	22395	19482	3597	23079
11. Kozhikode	21355	22732	22982	19881	4367	23448
12. Wynad	4870	4950	4993	4865	158	5023
13. Cannanore	17552	17660	18374	17754	1494	19248
14. Kasargod	13200	13590	14256	13666	1002	14668
KERALA	342642	355010	366700	330546	46264	376810
15. Kanyakumari	16325	16467	16577	9669	6956	16625
16. Others	440	450	460	297	178	475
TAMIL NADU	16765	16917	17037	9966	7134	17100
KARNATAKA	11913	12353	12809	6518	6682	13200
A & N ISLANDS	930	945	948	55	895	950
TRIPURA	10085	12670	14326	7364	9256	16620
ASSAM	1968	3178	5144	6032	2118	8150
MEGHALAYA	1831	2589	3229	1855	1825	3680
NAGALAND	525	675	910	305	805	1110
MIZORAM	620	690	810	250	650	900
MANIPUR	440	515	665	194	571	765
GOA	831	851	861	375	548	923
MAHARASHTRA	-	132	137	37	106	143
ORISSA	-	-	146	128	63	191
ANDHRA PRADESH	-	-	-	-	142	142
Grand Total	398550	406443	423722	363625	77059	440684

TABLE - 4

CLASSIFICATION OF HOLDINGS AND ESTATES ACCORDING TO SIZE AT THE END OF EACH YEAR
(AREA IN HECTARES)

Year (1)	HOLDINGS							
	2 Hect. & below		Above 2 Hect.& Up to & including 4 Hectares		Above 4 Hect.		Total	
	Units (2)	Area (3)	Units (4)	Area (5)	Units (6)	Area (7)	Units (8)	Area (9)
1955-56	26164	20489	1948	5699	1475	12300	29587	38488
1960-61	67836	52340	4660	13981	2878	24054	75374	90375
1965-66	96477	72433	6175	18051	3852	32526	106504	123010
1970-71	114924	82570	9922	25853	5593	41377	130439	149800
1975-76	132957	92386	11386	29235	6406	47066	150749	168687
1980-81	200853	133700	11924	30140	6389	45494	219168	209334
1985-86	367750	226724	10710	26898	5945	43104	384405	296726
1989-90*	646400	305300	10200	25600	4600	32700	661200	363600†

* Based on sample survey reports

† Rounded

TABLE - 4 (Contd.)

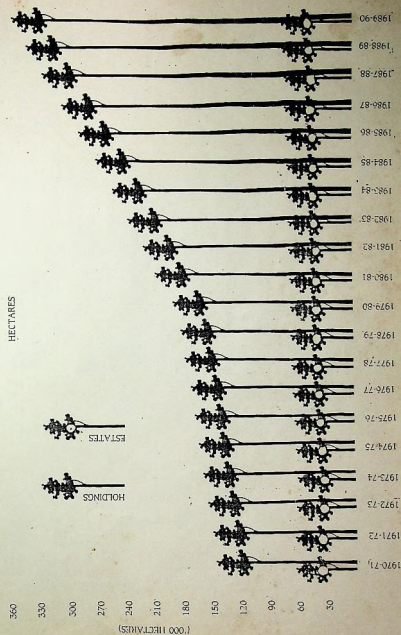
ESTATES																	Grand Total
Year	40 Hectares & below		Above 40 Ha. upto/inclu- ding 200 Ha.		Above 200 Ha. upto/inclu- ding 400 Ha.		Above 400 Ha. upto/inclu- ding 600 Ha.		Above 600 Ha. upto/inclu- ding 800 Ha.		Above 800 Hectares		Total				
	Units (10)	Area (11)	Units (12)	Area (13)	Units (14)	Area (15)	Units (16)	Area (17)	Units (18)	Area (19)	Units (20)	Area (21)	Units (22)	Area (23)	Units (24)	Area (25)	
1955-56	289	6781	179	15047	33	9578	15	7513	4	2742	6	5898	446	47579	30833	86867	
1960-61	271	7550	216	17812	29	8802	18	8768	5	3437	8	7841	547	53530	75921	143985	
1965-66	325	9556	248	28476	30	8551	19	9408	4	2696	10	13024	636	63783	187140	186713	
1970-71	309	8771	273	21318	29	8219	20	9966	6	4836	12	15868	649	67398	131888	217198	
1975-76	289	8235	242	19332	27	7366	17	8100	9	6138	14	18018	598	67189	151347	235876	
1980-81	258	7289	228	18459	25	7481	15	8288	10	6885	17	20281	553	68723	219721	278057	
1985-86	137	4320	171	14408	24	7395	18	9846	14	9294	20	28249	384	72622	364789	369348	
1989-90	115	3353	163	15416	23	7419	16	8135	12	8200	21	34536	358	77859	661808	441008	

* Based on sample survey reports

r Rounded

CHART No. 1

AREA UNDER HOLDINGS AND ESTATES



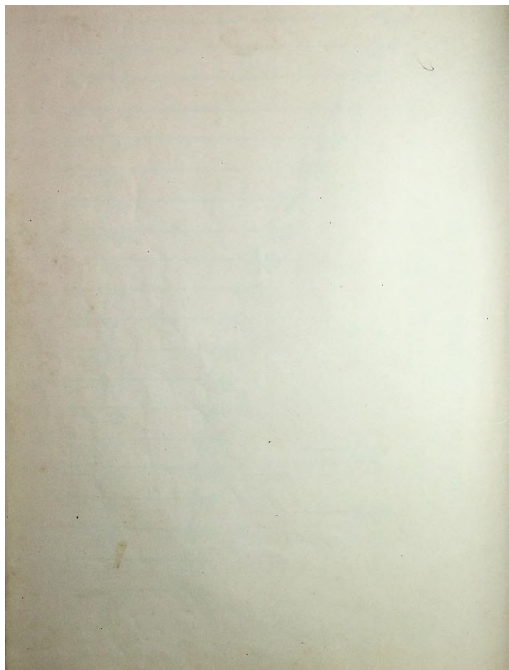


TABLE - 5

AREA UNDER HOLDINGS AND ESTATES AT THE END OF EACH YEAR
UNDER DIFFERENT PLANTING MATERIALS
(AREA IN HECTARES)

	1955-56 (1)	1960-61 (2)	1965-66 (3)	1970-71 (4)	1975-76 (5)	1980-81 (6)	1985-86 (7)	1989-90 (p) (8)
HOLDINGS								
High Yielding	2844	26912	53048	83030	107326	166649	262745	342373
Ordinary	35644	63463	69962	66770	61361	42685	33981	21252
TOTAL	38488	90375	123010	149800	168687	209334	296726	363625
ESTATES								
High Yielding	14874	23911	39534	55397	64978	68110	72072	76945
Ordinary	32705	29719	24169	12001	2211	613	550	114
TOTAL	47579	53630	63703	67398	67189	68723	72622	77059
TOTAL								
High Yielding	17710	50723	92582	138427	172304	234759	334817	419318
Ordinary	68349	93182	94131	78771	63572	43298	34531	21366
GRAND TOTAL	86067	143905	186713	217198	235876	278057	369348	440684

P - Provisional

TABLE - 5

TAPABLE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE IN DIFFERENT STATES
(TAPABLE AREA IN HECTARES, PRODUCTION IN METRIC TONNES AND YIELD PER HECTARE IN KGS)

YEAR	KERALA			TAMILNADU			KARNATAKA			OTHERS			TOTAL		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	AREA	PRODUC-	YIELD	AREA	PRODUC-	YIELD	AREA	PRODUC-	YIELD	AREA	PRODUC-	YIELD	AREA	PRODUC-	YIELD
	HECT.	CITON	PER	HECT.	CITON	PER	HECT.	CITON	PER	HECT.	CITON	PER	HECT.	CITON	PER
1955-56	62399	21680	347	3284	1486	591	1444	486	281	134	38	284	67181	23738	353
1956-57	67394	21953	324	3259	1886	554	1449	385	252	134	36	289	72236	24868	333
1957-58	66198	22186	335	3265	1870	578	1449	425	293	118	23	289	71822	24534	345
1958-59	65415	22862	337	3222	1865	577	1586	425	262	118	17	134	78253	24169	344
1959-60	65887	21988	336	3185	1814	578	1586	437	290	118	32	291	69888	24173	346
1960-61	65355	21725	354	3185	2848	617	1483	452	305	118	38	272	78253	25697	355
1961-62	67397	24954	368	3471	2848	682	1581	482	268	118	38	272	74181	27446	378
1962-63	78516	29857	379	3981	2895	691	1527	447	293	118	40	313	84854	32239	384
1963-64	85329	33952	377	4319	335	1467	1467	468	313	171	51	298	95586	37487	393
1964-65	182725	41391	485	4678	3724	796	1467	481	342	171	28	-	108381	45616	478
1965-66	186523	46953	448	4721	3195	677	1365	382	280	-	-	-	112789	56538	448
1966-67	187768	58495	471	4812	3977	816	1358	376	285	-	-	-	113588	56818	483
1967-68	111488	39978	538	4988	4848	825	1395	434	318	24	8	-	117727	64468	548
1968-69	116935	66473	568	4958	4188	827	1365	478	344	24	11	-	123282	71854	576
1969-70	126358	76897	689	5339	4526	848	1386	516	372	24	14	-	133187	81953	616
1970-71	134183	86773	447	5673	4859	857	1374	519	378	26	28	-	141176	92171	653
1971-72	147888	95499	673	5913	5148	865	1336	558	412	28	21	-	143187	101210	678
1972-73	148557	105734	721	6498	5739	884	1465	659	458	58	32	-	154952	112364	725
1973-74	158384	117221	756	7468	7836	943	1718	856	581	58	48	-	165884	125353	758
1974-75	188556	121558	755	7982	7523	942	1861	1012	544	88	58	-	178879	138143	782

TABLE - 6 (Contd.)

YEAR	KERALA				TAMILNADU				KARNATAKA				OTHERS				TOTAL			
	TAPPALE PRODU-		YIELD		TAPPALE PRODU-		YIELD		TAPPALE PRODU-		YIELD		TAPPALE PRODU-		YIELD		TAPPALE PRODU-		YIELD	
	AREA	CTON	PER	HECT.	AREA	CTON	PER	HECT.	AREA	CTON	PER	HECT.	AREA	CTON	PER	HECT.	AREA	CTON	PER	HECT.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
1975-76	16742	128769	768	8257	7631	974	2592	1282	536	89	68	-	17862	137750	772	-	17862	137750	772	-
1976-77	17337	139349	802	8952	8535	933	2715	1667	614	190	81	-	18594	149632	886	-	18594	149632	886	-
1977-78	17789	135907	764	8998	9815	1003	3918	1959	501	216	106	-	191006	146867	770	-	191006	146867	770	-
1978-79	177803	123677	698	8852	9367	1046	3893	2100	539	400	153	-	190330	135297	711	-	190330	135297	711	-
1979-80	178690	136609	764	9195	9100	990	4012	2537	632	457	216	-	192554	148470	771	-	192554	148470	771	-
1980-81	179988	140320	780	9780	10446	1077	4004	2128	531	561	286	-	194245	153100	788	-	194245	153100	788	-
1981-82	181100	139435	770	9912	10510	1060	4344	2406	600	775	319	-	196211	152870	779	-	196211	152870	779	-
1982-83	184348	152662	828	10035	9700	967	4360	3070	704	977	418	-	197712	165650	830	-	197712	165650	830	-
1983-84	187720	162212	864	10600	9736	910	5200	2785	536	1000	547	-	204520	175200	857	-	204520	175200	857	-
1984-85	193790	172892	890	10700	10603	991	5365	3095	577	1164	660	-	210519	186450	896	-	210519	186450	896	-
1985-86	205780	184563	897	10500	11025	1044	5610	4090	729	1397	787	-	223347	200465	898	-	223347	200465	898	-
1986-87	218750	202129	924	10978	11753	1071	5925	4855	818	1409	781	-	237864	219520	926	-	237864	219520	926	-
1987-88	229940	216562	942	11549	12470	1060	6120	5753	858	1491	912	-	249100	235197	944	-	249100	235197	944	-
1988-89	246458	236414	967	11600	13370	1153	6261	6722	991	1562	1166	-	261183	259172	974	-	261183	259172	974	-
1989-90	268714	275377	1025	11835	14065	1180	6500	6475	996	2011	1363	-	267860	267300	1029	-	267860	267300	1029	-
1990-91	284660	307521	1080	11873	13843	1149	6957	6665	959	2523	1784	-	306413	329615	1076	-	306413	329615	1076	-

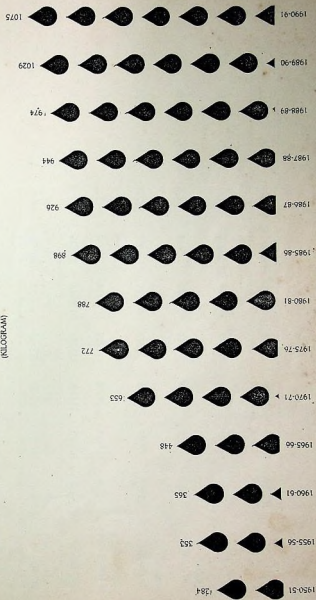
P - Provisional

TABLE - 7

MONTHWISE PRODUCTION OF NATURAL RUBBER
(Metric Tonnes)

MONTHS	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
April	8366	9740	11610	12070	12450	5870	13970	12450	14000	11070	17830	28550	23590
May	11130	13733	15350	15360	16250	15530	17550	17650	19650	21450	25590	26740	20570
June	7615	9902	7750	7355	9720	14900	8790	9535	13560	12660	14015	16200	19310
July	7150	8915	7500	8040	9030	10740	8700	9745	13725	14505	14070	16605	20520
August	6130	9710	8650	9730	11570	11060	13165	14920	14070	15100	13970	22955	25260
September	15626	12685	16960	9860	15250	13410	17005	19710	20700	24400	13540	20445	34850
October	17070	17700	17830	17900	19320	21550	20130	22450	24535	27535	32800	29160	37965
November	13500	14365	10300	19200	19455	21460	22525	24760	25545	27307	34650	34430	37005
December	10400	19900	19770	21760	21360	21030	22900	25910	26775	29240	36340	37330	39840
January	16740	17440	15000	17040	17900	19230	20335	21615	22265	26120	27727	32290	35500
February	6500	6260	5055	5750	5730	9350	9630	9650	9735	12050	12400	15700	16265
March	6990	7000	7645	7925	7015	10120	11760	12050	11050	13400	15010	16735	10910
TOTAL	135297	146470	153100	152070	166050	175000	184450	200465	219520	235197	259172	297300	329615

CHART No. 3
AVERAGE YIELD PER HECTARE OF RUBBER
(KILOGRAMS)



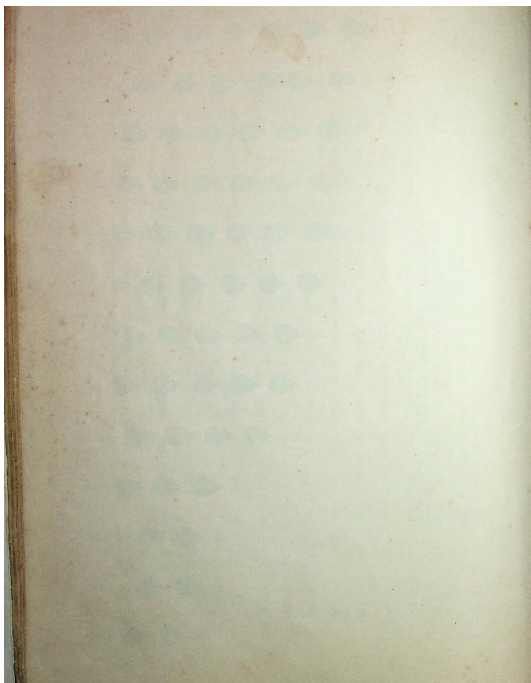


TABLE - B

GRADEWISE PRODUCTION OF NATURAL RUBBER
(Tonnes)

GRADE	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
RMA Sheets	184890	181700	112340	121565	130090	135430	148640	162815	177625	207180	226530
Latex Concentrates (DRC)	13200	16120	16020	16930	18420	22665	26245	27680	32478	36918	39440
Solid Block Rubber	2416	1853	2240	2919	4981	7385	8500	11246	15354	17160	16900
Pale Latex Crepes	1720	1330	1900	2180	2405	2410	2950	2112	2440	2409	2725
Others	30874	31047	33350	31686	30554	32575	33185	31336	31275	33441	33940
TOTAL	153100	152070	165850	173200	186450	200465	219520	235187	259172	297300	329615

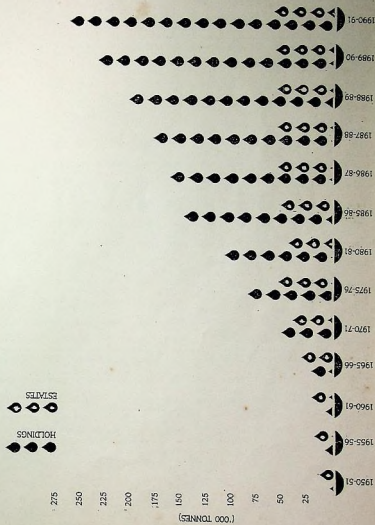
TABLE - 9.

PRODUCTION OF HOLDINGS AND ESTATES
(Metric Tonnes)

YEAR	HOLDINGS	ESTATES	TOTAL
1950-51	3387	12443	15830
1955-56	6450	17280	23730
1960-61	6528	19169	25697
1965-66	20424	30106	50530
1966-67	24165	30653	54818
1967-68	30215	34253	64468
1968-69	36312	34742	71054
1969-70	43785	38168	81953
1970-71	51538	40633	92171
1971-72	57630	43580	101210
1972-73	66247	46117	112364
1973-74	75331	49822	125153
1974-75	79260	50883	130143
1975-76	84616	53134	137750
1976-77	93848	55784	149632
1977-78	94135	52852	146987
1978-79	88767	46530	135297
1979-80	103210	45260	148470
1980-81	107700	45400	153100
1981-82	109160	43710	152870
1982-83	117789	48061	165850
1983-84	125912	49368	175280
1984-85	136335	50115	186450
1985-86	149673	50792	200465
1986-87	168195	51325	219520
1987-88	181710	53487	235197
1988-89	204000	55172	259172
1989-90	239400	57900	297300
1990-91	268500	61115	329615

Note: Figures From 1987-88 are provisional.

CHART No. 2
 PRODUCTION OF NATURAL RUBBER BY
 HOLDINGS AND ESTATES



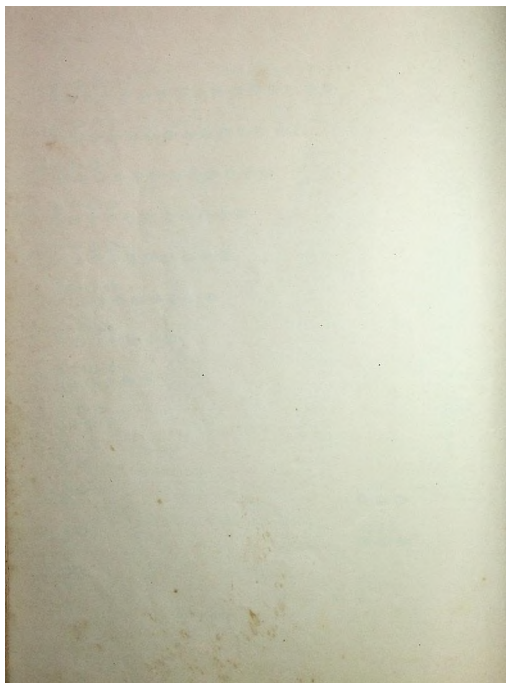


TABLE - 10

DISTRICT/STATE (1)	DISTRICTWISE PRODUCTION OF NATURAL RUBBER (Metric Tonnes)										
	1975-76 (2)	1980-81 (3)	1981-82 (4)	1982-83 (5)	1983-84 (6)	1984-85 (7)	1985-86 (8)	1986-87 (9)	1987-88 (10)	1988-89 (11)	1989-90p (12)
Trivandrum	5223	5933	5986	6319	6922	7795	8475	9266	10040	11080	12762
Quilon	24185	25561	25984	26812	29413	19560	19687	21418	22125	24226	27563
Pathanamthitta	--	--	--	--	--	14473	15851	17146	19343	20693	23540
Alleppey	2489	2771	2767	2917	3100	3223	2722	2940	3100	3444	3681
Kottayam	34021	36132	36822	41281	43299	46184	50134	54583	57874	61221	68656
Idikki	18187	11140	11487	12943	13121	13751	14711	15913	16543	17540	21939
Ernakulam	12292	13929	13934	15639	16498	17817	19419	21816	23863	26254	30689
Trichur	7190	6739	6883	6203	6437	5690	6412	6500	7617	8451	9710
Palghat	3816	4516	4300	5435	6463	6622	7150	8143	8866	10667	12819
Malappuram	9132	10571	9951	10522	10957	10920	11419	12411	13403	14911	17034
Kozhikode	10076	10730	10591	10683	11223	11637	12212	13076	14051	15387	18150
Wynad	--	--	--	1279	1434	1561	1635	1777	1800	1902	2249
Cannanore	10230	12290	11550	12549	13357	12959	15416	9402	11002	13707	15197
Kasaragod	--	--	--	--	--	--	--	7170	7719	8703	10472
Kerala State Total	120769	140320	139435	150662	162212	172052	184563	202129	216562	230416	275397
Outside Kerala	8981	12700	13435	13100	13060	14330	15902	17391	18135	20750	21903
Grand Total	137750	153020	152870	163762	175272	186382	200465	219520	234697	251166	297300

Note: Wynad District was formed in November 1980 from Kozhikode and Cannanore Districts.
 Pathanamthitta District was formed in November 1982 from Quilon and Alleppey Districts.
 Kasargod District was formed in May '84 from Cannanore District.
 p : Provisional

TABLE - 11

MONTHWISE IMPORT OF NATURAL RUBBER
(Metric Tonnes)

MONTH (1)	1978-79 (2)	1979-80 (3)	1980-81 (4)	1981-82 (5)	1982-83 (6)	1983-84 (7)	1984-85 (8)	1985-86 (9)	1986-87 (10)	1987-88 (11)	1988-89 (12)	1989-90 (13)	1990-91 ^a (14)
April	---	11108	388	3658	1659	871	5195	3661	3589	6891	9937	12863	11248
May	---	2225	---	5658	589	177	3824	3213	13766	8348	14792	2287	8223
June	---	258	188	4958	3911	2143	2166	5788	18594	6921	7388	1538	8588
July	---	2581	---	4188	9688	3766	1987	5192	12682	9738	6823	7786	2733
August	---	4188	---	---	6485	17285	3568	4856	1724	9553	3448	1498	5888
September	3888	3873	---	9888	18821	742	9123	128	27	263	784	1312	6334
October	9275	2269	---	---	342	23	29	37	649	456	1384	825	1981
November	---	1988	---	---	193	72	491	928	78	2378	623	1858	1211
December	2475	1988	688	---	265	39	729	1288	212	681	4836	433	2133
January	---	---	---	488	35	1874	388	7989	191	2228	4758	935	1358
February	---	---	5688	3888	52	38	6817	4422	1432	5285	1686	5492	1288
March	---	---	2658	7788	269	998	4832	4727	572	3759	4298	8486	2881
Total	14758	32288	9258	42738 ^a	33481	35948	37461	41431	45356	53685	59835	44445	51942

a : Including breakup not available
p : Provisional

TABLE - 12

GRADEWISE IMPORT OF NATURAL RUBBER
(Metric tonnes)

(1)	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91 (p)
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
RSS-1	3820	7400	500	1007	310	--	--	291	225	39	108	398	344
RSS-2	--	--	--	--	--	--	--	--	36	361	377	--	--
RSS-3	4650	6950	4700	22323	19381	20693	27481	38026	32778	38954	48218	36759	48336
RSS-4	1800	3650	800	7390	199	--	--	--	131	204	28	351	184
Latex	--	400	200	650	476	142	52	44	19	--	--	26	718
Block Rubber	5100	13600	3050	9986	12888	15013	9896	10879	12811	14128	18966	6798	9827
EBC-21	--	--	--	--	--	--	--	--	--	--	--	--	294
Pale Latex Crepe	--	--	--	4	35	92	32	191	156	--	139	121	279
Total	14750	37200	9750	42750*	33001	35948	37461	41431	45358	53885	59835	44445	51942

* : Including breakup not available

(p): Provisional

TABLE-13

MONTHWISE CONSUMPTION OF NATURAL RUBBER
(Metric Tonnes)

MONTHS	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
April	12726	13730	12850	14670	13520	16755	17690	18380	20645	21920	26365	26780	28840
May	12533	13650	13880	13975	15760	16750	17200	18790	21730	22475	25005	27980	29215
June	12660	13280	14030	15385	16130	16050	18415	18535	20650	22360	26270	27795	29350
July	14290	12995	14015	14730	17050	17280	18245	19690	28870	23935	25250	27430	31040
August	13420	13750	14790	14650	16550	17280	17940	18615	21170	22680	25475	27530	29420
September	12635	13050	14930	15200	15600	17525	18060	19470	20865	21965	25565	28765	29140
October	12150	12800	14050	15115	15860	17240	16620	19720	19675	21735	24975	27645	30335
November	14960	14950	15580	16490	16750	17950	16650	20420	21095	25670	26555	30360	31405
December	13430	15660	15465	17400	17410	19530	18920	21250	23615	27015	28320	29650	31585
January	14850	14840	14690	17595	16390	17550	19365	21440	22685	25885	26370	29180	31530
February	14550	13790	14330	16340	16215	17600	19550	20215	21725	25190	28050	28255	30870
March	14300	13440	15060	16670	16510	18050	19255	21415	22270	25450	27830	30470	31380
TOTAL	164524	165245	173630	180420	195545	209400	217510	237440	257305	287400	313810	341840	364310

TABLE - 14

GRADEWISE CONSUMPTION OF NATURAL RUBBER
(Metric Tonnes)

GRADE	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
RMA GRADES	113180	111910	118425	128530	131935	138665	151198	164445	176685	208428	216558	248695	261788
Estate Brown Crepes	31120	27658	30543	31885	25740	32580	28637	27625	28268	38991	29796	36365	30357
Latex (drc)	18548	11658	13820	14938	14850	18088	19340	22445	23875	28198	38428	36798	35885
Pale Latex Crepe & Sole Crepe	1458	2848	1845	1535	2218	2590	3855	2838	3192	2877	2325	2718	3187
Black rubber	6540	11278	7678	10128	16840	16540	14178	17185	22145	24868	33738	23758	27782
Others	1354	1277	1327	1588	1978	1185	1118	978	1228	922	1889	1338	1291
Total	164524	165245	173638	188478	195545	287488	217518	237448	257385	287488	313838	341848	364318

TABLE - 10

STOCK OF NATURAL RUBBER WITH GROWERS-DEALERS AND MANUFACTURERS
AT THE END OF EACH MONTH
(Metric Tonnes)

MONTHS (1)	1979-80			1980-81				
	B & D (2)	M (3)	STC (4)	T (5)	G & D (6)	M (7)	STC (8)	T (9)
April	15570	12470	8572	36610	17490	16365	10117	43970
May	15117	10360	5243	38720	19910	17330	9004	46240
June	13050	18235	4467	35750	16310	16405	7340	40055
July	10960	17040	6300	34300	12530	13345	6945	32820
August	12430	14970	6960	34360	10370	11900	4439	26700
September	13000	15600	10470	39870	14090	12250	2373	28700
October	17360	18570	11193	47120	18270	12940	1278	32500
November	19380	18860	10245	48485	20630	13850	822	35300
December	26530	16475	11608	54610	23935	15055	1115	40100
January	28310	18500	11192	58000	24333	16820	62	41215
February	22410	17200	10860	50470	17810	20350	184	38340
March	15720	18210	10980	44910	13660	17980	2065	33700

Note: G - Growers, D - Dealers, M - Manufacturers, T - Total (Rounded)
Stock with manufacturers includes stock in transit
as well as imported rubber.

Table - 15 (Contd.)

MONTHS (10)	1981-82				1982-83			
	G & D (11)	M (12)	STC (13)	T (14)	G & D (15)	N (16)	STC (17)	T (18)
April	14910	16080	2962	34750	16735	20860	845	38440
May	18080	20010	3694	41780	20410	18550	370	39330
June	16560	20350	1787	38700	17600	18450	670	36720
July	16110	19015	984	36110	15650	18350	4250	38250
August	14535	16220	422	31180	16710	19780	3184	39670
September	16635	13185	5820	35640	24820	20040	5187	50050
October	21760	15140	2010	38910	30570	18960	4279	53800
November	25380	15475	860	41720	33050	19310	4279	56640
December	27230	18210	479	45920	36400	20200	4004	60600
January	26150	20030	578	46750	37485	20630	3993	62100
February	17300	20570	2614	40480	26570	21100	3993	51660
March	14200	23500	2005	39700	22075	19380	1950	43400

TABLE - 15

STOCK OF NATURAL RUBBER WITH GROWERS, DEALERS AND MANUFACTURERS
AT THE END OF EACH MONTH
(Metric Tonnes)

MONTHS (1)	1979-80			1980-81				
	G & D (2)	M (3)	STC (4)	T (5)	G & D (6)	M (7)	STC (8)	T (9)
April	15570	12470	8572	36610	17490	16365	10117	43970
May	15117	10360	5243	30720	19910	17330	9004	46240
June	13050	18235	4467	35750	16310	16405	9340	40055
July	10960	17040	6300	34300	12530	13345	6945	32820
August	12430	14970	6960	34360	10370	11900	4439	26700
September	13800	15600	10470	39870	14090	12250	2373	28700
October	17360	18570	11193	47120	18270	12940	1278	32500
November	19380	18860	10245	48485	20630	13850	822	35300
December	26530	16475	11608	54610	23935	15055	1115	40100
January	28310	18500	11192	58000	24333	16820	62	41215
February	22410	17200	10860	50470	17810	20350	184	38340
March	15720	18210	10980	44910	13660	17980	2065	33700

Note: G - Growers, D - Dealers, M - Manufacturers, T - Total (Rounded)
Stock with manufacturers includes stock in transit
as well as imported rubber.

Table - 15 (Contd.)

MONTHS (10)	1981-82				1982-83			
	G & D (11)	M (12)	STC (13)	T (14)	G & D (15)	M (16)	STC (17)	T (18)
April	14910	16880	2962	34750	16735	20860	845	38440
May	18080	20010	3694	41780	20410	18550	370	39330
June	18560	20350	1787	38700	17600	18450	670	36720
July	16110	19015	984	36110	15650	18350	4250	38250
August	14535	16220	422	31180	16710	19780	3184	39670
September	16635	13185	5820	35640	24820	20040	5187	50050
October	21760	15140	2010	38910	30570	18960	4279	53800
November	25380	15475	860	41720	33050	19310	4279	56640
December	27230	18210	479	45920	36400	20200	4004	60600
January	26150	20030	578	46750	37485	20630	3993	62100
February	17300	20570	2614	40480	26570	21100	3993	51660
March	14200	23500	2005	39700	22075	19380	1950	43400

Table - 15 (contd.)

MONTHS (19)	1983-84				1984-85			
	G & D (20)	M (21)	STC (22)	T (23)	G & D (24)	M (25)	STC (26)	T (27)
April	14830	17070	610	32500	24810	15100	7270	47180
May	13565	17570	145	31280	26870	15905	8510	51285
June	13870	17725	704	32300	20860	18420	3953	43230
July	13537	15025	223	28785	16415	15345	3892	35650
August	15320	15350	9920	40590	18735	14380	1261	34380
September	17810	18450	588	36850	23280	17650	2375	43300
October	23670	17410	102	41180	27245	16990	2375	46610
November	27110	17630	15	44750	32885	17525	2375	52785
December	28490	18850	15	47360	37160	18420	2375	57950
January	31520	17520	9850	58890	38380	18280	2542	59200
February	28860	17545	5436	51840	31840	16530	6942	55310
March	21015	18310	5828	45150	28200	16280	7070	51550

Table - 15 (Contd.)

MONTHS (28)	1985-86				1986-87					
	B & D (29)	M (30)	STC (31)	T (32)	B & D (33)	M (34)	STC (35)	T (36)		
April	28430	17565	3217	49210	31530	20870	330	52730		
May	28760	19330	3705	51795	35470	22660	6468	64600		
June	23855	16123	8621	48600	36950	23340	7472	67760		
July	21535	17850	4456	43840	36405	21935	14838	73180		
August	22495	16845	4863	44200	39975	20735	8990	69700		
September	28745	15595	229	44570	42340	22175	5204	69720		
October	30645	16330	229	47200	47470	21935	5815	78220		
November	34450	16980	1029	52460	52290	20250	7166	79700		
December	37025	19110	2029	58160	51180	22185	9648	83010		
January	36585	22420	7329	66330	49105	21795	11910	82810		
February	31890	22750	5543	60180	38785	21650	11773	72200		
March	28680	23960	2717	55360	31740	19340	11626	62700		

Table - 15 (Contd.)

MONTHS (37)	1987-88				1988-89			
	G & D (38)	M (39)	STC (40)	T (41)	G & D (42)	M (43)	STC (44)	T (45)
April	31005	19810	7140	57955	32290	27070	5336	64700
May	38015	22670	4450	65135	34630	29262	15648	79540
June	33130	22920	6272	62320	32015	30960	12488	75460
July	33285	23585	5800	62450	25180	25920	20005	71105
August	32170	26905	4407	63480	23065	24950	15025	63040
September	36950	24700	4607	66260	20310	22470	8100	50860
October	50660	17890	3840	72390	33195	25550	1428	60170
November	50430	20865	3840	75135	38620	29200	1072	68890
December	50015	23740	3840	77595	41375	33515	6055	80945
January	48430	25955	5754	80140	43325	32480	11247	87050
February	34930	20340	7012	70280	33130	28995	13132	75260
March	29590	28950	5561	64100	26095	26165	17019	69280

Table - 15 (Contd.)

MONTHS (46)	1989-90				1990-91			
	G & D (47)	M (48)	STC (49)	T (50)	G & D (51)	M (52)	STC (53)	T (54)
April	24055	22025	28969	75050	25550	25185	24251	74990
May	27305	22450	26379	76130	26860	26600	21108	74570
June	21325	22660	22266	66250	23730	28790	19632	72150
July	20835	20670	20199	61705	23475	26965	13923	64365
August	25325	21670	14209	61200	26165	25760	13281	65205
September	29075	24365	8533	61970	35100	23750	16891	75740
October	32840	23250	8078	64170	40410	27940	16891	85240
November	36775	25185	8078	70040	50015	25965	16891	92870
December	41550	28720	8078	78350	55720	30720	16891	103330
January	42280	31975	8078	82330	59295	33580	16891	109765
February	34120	30515	10631	75265	42225	35795	18341	96360
March	25460	27360	16796	69610	30230	34045	22155	86430

Table - 16
MONTHWISE PRODUCTION OF SYNTHETIC RUBBER
(Metric Tonnes)

MONTHS	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
April	2393	3056	1621	3164	3818	2829	3932	2846	2482	3883	3405	3354	3598
May	2346	2989	2522	3492	2491	1286	3844	2312	3354	2952	4366	3787	4182
June	1288	2335	2861	2577	3583	1857	3689	4222	3389	2756	3445	4685	4269
July	1626	3628	1872	1194	3277	2837	3891	2934	2993	3662	4576	4688	4998
August	2968	2388	2297	1678	1491	3338	3968	3578	1932	4538	3516	4841	3423
September	2791	2368	3925	2138	1441	2736	2968	3528	3586	4144	4131	2668	3845
October	2846	3388	1881	2831	852	2832	2544	2332	3848	3829	4926	4751	4467
November	2231	3186	995	1613	2472	2457	2648	3447	3357	4278	4771	4388	4568
December	3845	2224	1298	3156	3383	4282	1511	2751	3266	4281	4355	5829	5721
January	964	1474	1398	1468	3264	3327	3541	2834	3779	2418	4923	4716	5297
February	3191	1265	2891	1761	2923	2785	3717	3445	3824	4888	4491	3546	4835
March	2461	1279	3348	3435	2183	3464	2384	2137	3974	4615	4853	4956	5194
Total	28854	29524	25293	28499	38298	32278	37669	34758	38816	44468	54389*	53482*	57293*

* : including breakup not available

TABLE - 17

GRADEWISE PRODUCTION OF SYNTHETIC RUBBER
(Metric Tonnes)

GRADE (1)	1979-80 (2)	1980-81 (3)	1981-82 (4)	1982-83 (5)	1983-84 (6)	1984-85 (7)	1985-86 (8)	1986-87 (9)	1987-88 (10)	1988-89 (11)	1989-90 (12)	1990-91 (13)
56R-1502	5925	5722	4317	4731	6214	5548	5483	5124	8098	12075	9988	11962
56R-1712	7110	5823	6274	2647	4669	5611	5223	6280	6753	8325	8228	8745
56R-1958	7359	6825	5756	5962	8848	9471	9088	10361	13395	17131	18835	19808p
Latex(drc)	275	272	214	281	216	196	175	308	1088	1141	1326	1581
Nitrile	908	283	522	576	719	366	137	421	708	67	--	--
Polybutadiene	8347	6448	11416	16045	11470	16457	14732	15411	14488	15658	15105	15277
Others	--	--	--	108	134	--	--	911	18	--	--	--
Total	29524	25293	28499	30290	32270	37669	34758	36816	44468	54389	53482	57293

p : Provisional

Source: Synthetics & Chemicals Ltd., Indian Petrochemicals Corporation Ltd.,
Apar(P) Ltd., & Asian Paints(P) Ltd.

TABLE - 18

GRADEWISE CONSUMPTION OF SYNTHETIC RUBBER
(Metric Tonnes)

GRADE (1)	1978-79 (2)	1979-80 (3)	1980-81 (4)	1981-82 (5)	1982-83 (6)	1983-84 (7)	1984-85 (8)	1985-86 (9)	1986-87 (10)	1987-88 (11)	1988-89 (12)	1989-90p (13)
Styrene Buta- diene rubber	24725	22778	25125	24305	24365	26290	26290	31585	31925	33420	39895	38945
Butyl	5715	6586	8410	8588	8843	10935	11136	11198	11243	12392	13790	17765
Polychloroprene	564	690	950	915	970	1210	1249	1360	1375	1987	2880	2568
Nitrile	749	1170	1105	1610	1647	1655	1750	1820	1866	2915	2960	3031
Polybutadiene	5258	8515	7150	12470	14510	16920	17360	18520	19735	20925	22920	24630
Latex	1686	1754	2035	2153	2282	2310	2520	2395	2516	2345	2400	2455
Others*	1774	1825	2275	2617	2633	2980	3095	3165	3125	2426	985	4156
Total	40470	43238	47850	52650	55250	62300	65400	70035	71785	76410	84150	93550

* : Include unclassified rubber also

p : Provisional

Table - 19

STOCK OF SYNTHETIC RUBBER AT THE END OF EACH MONTH
(Metric Tonnes)

MONTHS	1980-81 (1)	1981-82 (2)	1982-83 (3)	1983-84 (4)	1984-85 (5)	1985-86 (6)	1986-87 (7)	1987-88 (8)	1987-88 (9)	1988-89 (10)	1989-90 (11)	1990-91 (12)
April	14100	12300	16220	15300	9590	11000	14920	14340	12040	14350	13335	
May	13800	15550	16230	13950	9770	10740	16345	14615	12545	15255	12800	
June	13800	15930	17620	13000	11350	12400	17305	14120	12350	15020	12500	
July	12990	14590	18120	11765	11115	13100	18100	13500	12950	16140	12140	
August	11960	14300	16900	12140	11650	13800	17500	14540	12360	15365	11000	
September	12600	15215	15600	11115	11200	14165	17050	15125	12550	13300	9825	
October	11530	15700	14065	10005	11425	15990	16000	14135	13690	13700	9950	
November	10470	15670	14940	9815	12260	15050	17300	13020	13730	13245	10305	
December	10005	16440	15905	10300	11285	13450	16330	13340	13010	13500	11310	
January	9000	16070	16650	10300	12070	14500	16165	11000	13700	13905	12300	
February	9030	15390	16350	9640	11070	15200	16440	13170	14100	12300	13270	
March	10900	16200	15700	8900	11650	14470	15100	13245	14510	13500	17300	

TABLE - 20

PRODUCTION, IMPORT, CONSUMPTION AND EXPORT OF RECLAIMED RUBBER
(METRIC TONNES)

YEAR (1)	PRODUCTION (2)	IMPORT (3)	CONSUMPTION (4)	EXPORT (5)
1960-61	2000*	3024	5453	--
1961-62	2500*	3847	6046	--
1962-63	3000*	3858	6850	--
1963-64	4500*	3777	7982	--
1964-65	7500*	2078	9369	--
1965-66	9500	179	9774	--
1966-67	11500	126	10913	--
1967-68	12000	19	11862	10
1968-69	13500	--	14169	50
1969-70	14652	--	14255	183
1970-71	15507	--	14348	259
1971-72	16710	--	15772	692
1972-73	17186	--	14666	1076
1973-74	18644	--	17784	1268
1974-75	19360	--	18096	1050
1975-76	19581	--	19342	141
1976-77	20256	--	20957	973
1977-78	21817	--	21681	1282
1978-79	27618	--	26330	1045
1979-80	26786	--	25660	953
1980-81	29336	--	26850	1127
1981-82	28787	--	28160	896
1982-83	28242	--	29190	520
1983-84	32964	--	30690	524
1984-85	34155	--	34625	446
1985-86	39195	--	38215	201
1986-87	38995	--	38635	188
1987-88	40535	--	41140	278
1988-89	40960p	--	42450	699p
1989-90	44500p	--	43935	752p
1990-91	45785p	--	45660	985p

* : Approximately

p : Provisional

SOURCE: For Import and export data "Monthly statistics of Foreign Trade of India" Published by Govt. of India and Chemicals and Allied Products Export Promotion Council

TABLE - 21

PRODUCTION, IMPORT, EXPORT AND CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER
(Metric Tonnes)

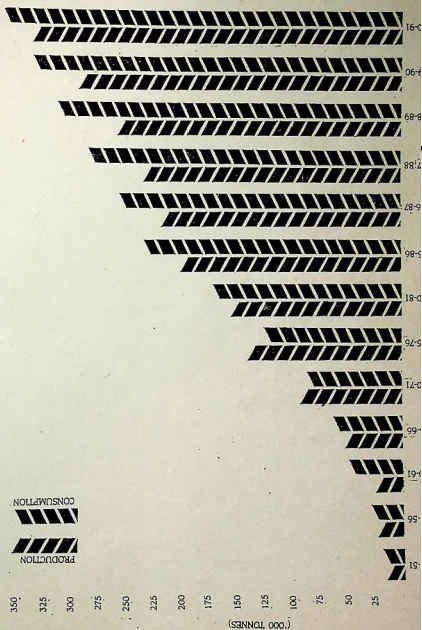
YEAR	PRODUCTION			IMPORT			EXPORT			CONSUMPTION		
	Natural (2)	Synthetic (3)	Total (4)	Natural (5)	Synthetic (6)	Total (7)	Natural (8)	Synthetic (9)	Total (10)	Natural (11)	Synthetic (12)	
1955-56	23730	--	23730	4428	1201	5629	12	28445	461	28906		
1956-57	24060	--	24060	7341	3134	10475	81	29998	2866	32864		
1957-58	24534	--	24534	11357	3014	14371	--	33074	3161	36235		
1958-59	24169	--	24169	12538	4229	16767	--	35767	3477	39244		
1959-60	24173	--	24173	15287	5718	21005	--	40491	4964	45455		
1960-61	25697	--	25697	23125	8097	31222	--	48148	7397	55545		
1961-62	27446	--	27446	22528	10121	32649	--	48410	10186	58596		
1962-63	32239	--	32239	23360	10297	33657	--	53553	10723	64276		
1963-64	37487	8075	45562	26275	8812	35087	--	61155	11959	73114		
1964-65	45616	11533	57249	15003	3315	18318	--	61057	15285	76342		
1965-66	50530	14741	65271	16357	2735	19092	--	63765	21553	85318		
1966-67	54818	22358	77176	23544	5606	29150	--	68685	23592	92277		
1967-68	64468	19942	84410	9551	3127	12678	--	74518	23324	97842		
1968-69	71054	25868	96922	8548	2909	11457	--	86615	27328	113853		
1969-70	81953	28689	110642	17821	4736	22557	--	86213	30636	116849		

TABLE - 21 (Contd..)

YEAR	PRODUCTION			IMPORT			EXPORT			CONSUMPTION		
	Natural (1)	Synthetic (2)	Total (3)	Natural (4)	Synthetic (5)	Total (6)	Natural (7)	Synthetic (8)	Total (9)	Natural (10)	Synthetic (11)	Total (12)
1970-71	92171	29791	121962	2469	5014	7483	7483	--	87237	33160	120397	
1971-72	101210	32911	134121	437	5627	6064	6064	--	96454	37209	133663	
1972-73	112364	21832	134196	380	6044	6424	6424	--	104028	33913	137941	
1973-74	125133	23542	148675	52	5689	5661	5661	2700	130302	23921	154223	
1974-75	130143	17712	147855	--	6939	6939	6939	350	132004	24376	156380	
1975-76	137750	25119	162869	--	6391	6391	6391	--	125692	32452	158144	
1976-77	149632	23212	172844	--	7812	7812	7812	12296	137623	34955	172578	
1977-78	146987	27288	174275	--	9935	9935	9935	11078	144967	36150	181117	
1978-79	135297	28054	163351	14750	13309	28059	28059	--	164524	40470	204994	
1979-80	148470	29524	177994	32200	17314	49514	49514	--	165245	43238	208483	
1980-81	153100	25293	178393	9250	17492	26742	26742	--	173630	47050	220680	
1981-82	152870	28499	181369	42750	29659	72409	72409	--	188420	52650	241070	
1982-83	165850	30290	196140	33401	24394	57795	57795	--	195545	55250	250795	
1983-84	175280	32270	207550	35940	23287	59227	59227	--	209480	62300	271780	
1984-85	186450	37669	224119	37461	30248	67709	67709	--	217510	65400	282910	
1985-86	200465	34758	235223	41431	39086	80517	80517	--	237440	70035	307475	
1986-87	219520	38816	258336	45356	32600	77956	77956	--	257305	71785	329090	
1987-88	235197	44468	279665	53685	30100	83785	83785	--	287480	76410	363890	
1988-89	259172	53489	312661	59835	33950	93785	93785	--	313830	84150	397980	
1989-90	273300	53482	326782	44445	39000p	83445p	83445p	--	341840	93550	435390	
1990-91	329615	57293	386908	51942	46000p	97942p	97942p	--	364310	99500	463810	

Note: Exported 660 Tonnes of Synthetic Rubber in 1974-75. P: Provisional

CHART No. 5
 PRODUCTION AND CONSUMPTION
 OF NATURAL RUBBER



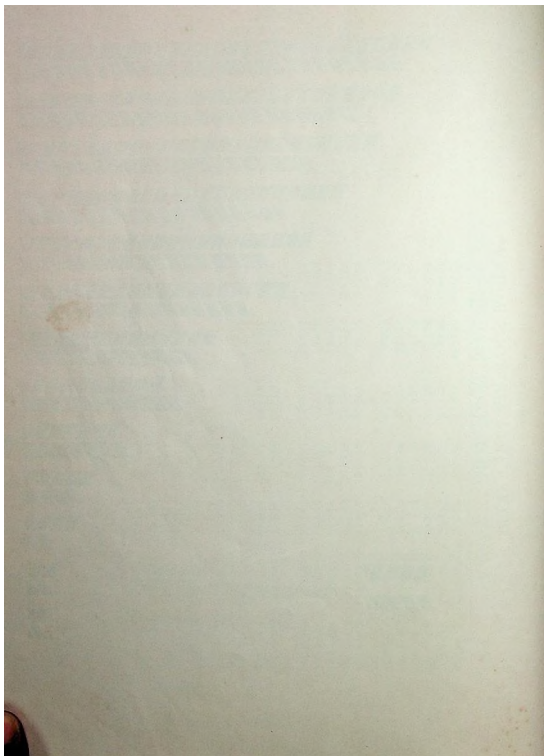


TABLE - 22

TOTAL STOCK OF NATURAL AND SYNTHETIC RUBBER WITH PRODUCERS,
DEALERS AND MANUFACTURERS AT THE END OF EACH MONTH
(Metric Tonnes)

MONTHS	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
April	49170	50870	47050	54680	47600	56770	60210	67650	72290	76740	89400	88325
May	52350	60040	57330	58560	45230	61065	62635	80945	79950	92885	91385	87450
June	50140	51935	54530	54540	45390	54500	61000	85065	76440	87810	82070	84730
July	49590	45710	50690	56730	40350	46765	56940	91200	75950	84055	77045	76505
August	49550	30660	45700	58570	52730	46030	58000	87200	78020	75400	76565	76205
September	54810	41300	50055	66630	47965	54580	50735	86770	81305	63430	75350	85565
October	63600	44030	54680	67065	51905	50035	63190	92020	86325	73860	77950	95190
November	66120	45770	57370	71500	55050	65045	66310	97000	88155	82620	83205	103175
December	72010	50105	62340	76505	57660	69235	73610	99340	90935	94755	91830	114640
January	74750	51015	62020	70960	60270	71270	74410	90975	92000	100750	96315	122065
February	66070	40170	55070	60010	61400	67100	73720	80640	83500	89440	87645	106630
March	60110	44600	55000	59100	54130	63200	69030	77600	77345	83700	83110	103730

TABLE - 23

PRODUCTION, IMPORT, CONSUMPTION AND STOCK OF NATURAL RUBBER AND SYNTHETIC RUBBER
(Metric Tonnes)

YEAR	NATURAL RUBBER						SYNTHETIC RUBBER					
	production (2)	import (3)	Total (4)	Consumption (5)	Excess(+) or deficiency(-) compared with consumption (6)	Stock at the end of the period (7)	production (8)	import (9)	Total (10)	Consumption (11)	Excess(+) or deficiency(-) compared with consumption (12)	Stock at the end of the period (13)
1965-66	58538	16357	66897	63765	+ 3122	16573	14741	2735	17476	21553	- 4077	4875
1966-67	54818	23544	78362	68685	+ 9677	25978	22358	5686	27964	23592	+ 4372	8619
1967-68	64468	9551	74019	74518	- 499	25348	19542	3127	23869	23324	- 255	8358
1968-69	71854	8548	79602	86615	- 7013	18222	25869	2989	28777	27238	+ 1539	7751
1969-70	81953	17821	99774	86213	+13561	31778	28689	4736	33425	38636	+ 2789	12548
1970-71	92171	2469	94640	87237	+ 7403	39189	29791	5814	34885	33168	+ 1645	13994
1971-72	101218	437	101647	96454	+ 5193	44277	32911	5627	38538	37289	+ 1329	15323
1972-73	112364	388	112744	104828	+ 8716	52957	21832	6044	27876	33913	- 6037	9286
1973-74	125153	52	125205	138382	- 50977	45168	23542	5689	29151	23921	+ 5230	14588
1974-75	138143	—	138143	132684	- 24614	42349	17712	6939	24651	24376	+ 275	13878
1975-76	137758	—	137758	125692	+12086	53759	25119	6391	31518	32452	- 942	12445
1976-77	149632	—	149632	137623	+12009	55885	23212	7812	31824	34955	- 3931	9898
1977-78	145987	—	145987	144967	+ 2020	44827	27288	9935	37223	36158	+ 1873	18443
1978-79	135297	14758	150047	164524	-14477	29515	28854	13389	41363	40478	+ 893	18788
1979-80	148478	32288	186678	165245	+15425	44918	29524	17314	46838	43238	+ 3608	15288
1980-81	153188	9258	162558	173638	-11288	33788	25293	17492	42785	47858	- 4265	18988
1981-82	152878	42758	195628	188428	+ 7208	39788	28499	29659	58158	52658	+ 5588	16288
1982-83	165858	33481	199251	195545	+ 3786	43488	38298	24394	54684	55258	- 566	15788
1983-84	175288	35948	211228	289488	- 1748	45158	32278	23287	55557	62388	- 6743	8958
1984-85	186458	37461	223911	217518	+ 6401	51558	37689	38248	67917	65488	+ 2517	11658
1985-86	288465	41431	241896	237448	+ 4458	55348	34758	39886	73844	78835	+ 3889	14478
1986-87	219528	45356	264876	257385	+ 7571	62788	38816	32688	71416	71785	- 369	15188
1987-88	235197	53685	288882	287488	+ 1402	64188	44468	38188	74568	76418	- 1842	13245
1988-89	259172	59835	319007	313838	+ 5177	69288	54389	33958	88339	84158	+ 4189	14518
1989-90	297388	44445	341745	341848	- 95	69618	53482	39888	92482	92558	- 1868	13588
1990-91	329415	51942	381357	364318	+17247	86438	57293	46888	183293	99588	+ 3793	17388

+ Exported 2788 tonnes in 1973-74, 358 tonnes in 1974-75, 12256 tonnes in 1976-77 and 11878 tonnes in 1977-78

TABLE - 24

STATEWISE CONSUMPTION OF ALL KINDS OF RUBBER
(Metric Tonnes)

STATE/ TERRITORY (1)	1965-66				1970-71			
	NATURAL (2)	SYNTHETIC (3)	RECLAIMED (4)	TOTAL (5)	NATURAL (6)	SYNTHETIC (7)	RECLAIMED (8)	TOTAL (9)
West Bengal	27091	10234	6290	43615	30988	11634	7015	49637
Maharashtra	16018	5886	1809	23713	19696	9897	3231	32824
Tamilnadu	9889	2768	1188	13845	17348	5966	2628	26142
Punjab)	--	--	--	--	2277	206	269	2752
Haryana)	4555	1921	95	6551	4475	2439	193	7107
Kerala	3353	517	293	4163	6739	1798	380	8917
Delhi	1076	66	25	1167	1956	199	96	2251
Gujarat	882	70	5	957	1192	161	45	1398
Uttar Pradesh	444	32	17	493	1160	153	59	1372
Karnataka	242	72	52	366	631	609	358	1598
Others	215	7	--	222	575	98	74	747
Total	63765	21553	9774	95092	87237	33160	14348	134745

TABLE - 2A (Contd.)

STATE/ TERRITORY (18)	1975-76			1980-81		
	NATURAL (11)	SYNTHETIC (12)	RECLAIMED (13)	NATURAL (15)	SYNTHETIC (16)	RECLAIMED (17)
West Bengal	27300	9090	7482	43872	27414	7771
Maharashtra	28400	10668	4612	43680	33119	11678
Tamilnadu	28908	4140	3526	28366	17050	4961
Punjab	5743	227	206	6176	13232	1565
Haryana	11110	3189	698	14917	14974	4421
Kerala	9268	1062	1069	11399	19203	4673
Delhi	4168	591	196	4955	6311	1372
Gujarat	2138	447	230	2815	3034	560
Uttar Pradesh	9672	1363	501	11536	22578	4601
Karnataka	1920	953	644	3517	5770	1944
Goa & Daman	3483	268	78	3829	2489	358
Rajasthan	--	--	--	--	5482	2448
Andhra Pradesh	--	--	--	--	2223	250
Others	1590	534	100	2224	751	456
Total :	125692	32452	19342	177486	173630	47050

NOTE: In 1975-76 consumption of rubber by Madras Rubber Factory at their Kottayam unit was included in Tamil Nadu, but from 1980-81 onwards it is included in Kerala

TABLE -24(contd..)

STATE/ TERRITORY (19)	1981-82			1982-83		
	NATURAL (20)	SYNTHETIC (21)	RECLAIMED (22)	NATURAL (24)	SYNTHETIC (25)	RECLAIMED (26)
			TOTAL (23)			TOTAL (27)
West Bengal	30140	7698	7451	30138	7795	7417
Maharashtra	30278	12721	5762	35093	13088	6156
Tamilnadu	18796	5295	2492	16809	5730	2916
Punjab	14134	2913	2826	16010	3311	3845
Har yana	15740	4985	1697	15773	5045	1251
Kerala	20819	5093	2451	23129	5132	2640
Delhi	8546	1570	1279	8113	1646	653
Gujarat	3184	803	605	3341	820	224
Uttar Pradesh	24480	5062	2086	26110	5136	2371
Karnataka	8580	2684	899	6995	3241	1174
Goa & Daman	2603	491	63	4262	748	85
Rajasthan	7323	2334	218	6177	2239	158
Andhra Pradesh	2744	425	254	2452	630	241
Others	1037	576	77	1143	689	59
Total	188420	52650	28168	195545	55290	29190
			269230			279985

TABLE -24 (contd..)

STATE/ TERRITORY (28)	1983-84			1984-85		
	NATURAL (29)	SYNTHETIC (30)	RECLAIMED (31)	TOTAL (32)	NATURAL SYNTHETIC (33) (34)	RECLAIMED (35) (36)
West Bengal	29628	7815	6816	43459	27667	8351
Maharashtra	36984	14822	6613	58419	35083	13868
Tamilnadu	17275	6041	2833	26149	16040	6496
Punjab	18275	4204	6040	28519	20812	3467
Haryana	15959	5579	761	22299	16994	6589
Kerala	25811	6422	2660	34893	27420	6197
Delhi	9327	1794	662	11783	9740	1621
Gujarat	3383	627	175	4185	4094	774
Uttar Pradesh	30802	6274	3363	40439	31152	7141
Karnataka	8450	4042	1026	13518	9000	4130
Goa & Daman	1611	808	63	2482	2285	1409
Rajasthan	8545	2665	190	11400	12755	3676
Andhra Pradesh	2128	364	207	2699	2838	574
Others	1302	843	81	2226	1650	1107
Total	209480	62300	30690	302470	217510	65400
					34625	317535

TABLE - 24 (Contd.)

STATE/ TERRITORY (37)	1985-86			1986-87		
	NATURAL (38)	SYNTHETIC (39)	RECLAIMED (40)	TOTAL (41)	NATURAL SYNTHETIC (42) (43)	RECLAIMED. TOTAL (44) (45)
West Bengal	27538	9991	5445	42074	32484	8625 5788 46889
Maharashtra	37351	14966	6550	58867	34462	14312 6265 55039
Tamilnadu	19897	7340	3150	29587	19965	8295 3245 31585
Punjab	27172	3845	10637	41654	30868	2438 10620 43926
Haryana	18788	7025	925	26738	19783	6006 1370 27159
Kerala	28341	5896	3375	37612	31445	6872 3423 41740
Delhi	10289	1654	552	12415	18743	2290 584 13617
Gujarat	4962	780	293	6035	5634	767 412 6813
Uttar Pradesh	29458	6889	4523	40870	34447	8383 3827 46637
Karnataka	11670	5119	1912	18701	12856	5765 2281 20822
Goa & Daman	4180	1683	162	6025	1971	707 165 2843
Rajasthan	12259	3423	207	16089	13780	4883 128 16791
Andhra Pradesh	4538	981	439	5878	5368	1249 463 7892
Madhya Pradesh	920	297	24	1241	2043	309 125 2477
Others	965	926	21	1912	1444	884 27 2355
Total	237410	70035	38215	345680	257305	71785 36635 367725

STATE/ TERRITORY (46)	1987-88			1988-89			1989-90					
	NATURAL (47)	SYNTHETIC (48)	RECLAIMED (49)	TOTAL (50)	NATURAL (51)	SYNTHETIC (52)	RECLAIMED (53)	TOTAL (54)	NATURAL (55)	SYNTHETIC (56)	RECLAIMED (57)	TOTAL (58)
West Bengal	37618	9187	5828	52553	35787	8162	4186	48135	39494	9428	3983	52825 ✓
Maharashtra	33781	14631	6393	54805	43821	17818	7257	6796	47331	28181	7327	74839 ✓
Tamilnadu	23278	8311	3444	35025	28953	9187	3917	33877	21343	8822	3735	33188
Punjab	34336	2562	18366	47264	36816	2483	11287	49786	43563	2885	11787	58235 ✓
Madhya Pradesh	28196	6419	1478	29885	28185	6183	1221	27589	21821	6866	1286	29873
Kerala	39337	8391	3477	51205	43225	18868	3832	57925	45884	13352	3945	63847 ✓
Delhi	12436	3221	743	16480	12448	2827	775	15242	14764	2764	1847	18375
Gujarat	6118	1817	581	7628	6276	1856	758	8878	6786	1254	843	8393
Uttar Pradesh	39288	9685	4689	52494	42443	18275	4792	57518	45886	18732	5817	68335 ✓
Karnataka	12252	5846	2138	19428	15798	6418	2268	24468	15965	5867	2887	23819
Goa & Daman	4866	1537	311	7914	7843	1884	368	9295	6312	1624	552	8488
Rajasthan	12899	3791	284	16894	16515	4854	288	22777	18198	7852	394	25444
Andhra Pradesh	6972	1691	882	9545	7346	1557	919	9822	8292	2282	1397	11891
Madhya Pradesh	2668	373	652	3685	2746	457	654	3857	3625	488	684	4189
Others	2147	788	88	2935	4124	681	136	4941	4558	841	171	5562
Total	287488	76418	41148	405038	313838	84158	42458	448438	341848	93558	43935	479925

TABLE - 25

VALUE OF RUBBER IMPORTED FROM VARIOUS COUNTRIES
('000 Rs)

COUNTRY (1)	1965-66 (2)	1970-71 (3)	1975-76 (4)	1976-77 (5)	1978-79 (6)	1980-81 (7)	1982-83 (8)	1984-85 (9)	1986-87 (10)	1987-88 (11)	1988-89 (12)	1989-90 (13)
Natural Rubber												
Malaysia	28386	5431	--	--	56	112816	35437	137357	271982	345150	584553	822277
Singapore	--	573	39	27	--	61252	52337	1993	10730	13376	30174	70087
Sri Lanka	8187	1879	--	--	--	27764	--	19189	4014	3418	1357	11753
U. S. A	202	683	12	430	--	--	587	55	237	264	927	10942
Canada	326	1294	408	--	--	--	117	--	--	--	--	--
U. K.	377	39	78	122	1	96	186	9	26	2174	4499	241
Germany(FR)	46	433	--	23	12	38	164	31	1472	889	2360	7
France	120	60	546	1310	110	318	968	2237	8476	11779	221	--
Belgium	--	--	1039	--	--	--	76	--	--	--	208	--
Others	13	213	582	893	8	2409	49946	48643	78163	52129	49394	78896
Total	37657	10605	2776	2771	140481	100046	258728	330077	441468	663891	943386	656418

TABLE - 25(Contd.)

COUNTRY	1965-66	1970-71	1975-76	1976-77	1978-79	1980-81	1982-83	1984-85	1986-87	1987-88	1988-89	1989-90**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Synthetic Rubber and Substitutes												
U.S.A	4182	9917	8564	9848	20834	53923	68864	58422	35621	84169	98341	99865
Canada	3702	9390	6324	5177	8449	10582	92	17438	44866	17092	3318	26
Germany(FR)	1274	3046	6184	7775	17431	15050	13482	58265	40573	42406	44333	73340
U. K.	788	1619	1259	1733	2417	2459	6242	8985	18423	17555	47939	46762
France	316	592	4981	3123	9785	12116	29244	58292	58328	42734	37831	59826
Netherlands	3	40	728	97	174	997	9792	2401	2982	4286	7284	14931
Belgium	56	1126	26272	25632	31830	38268	79912	78462	68287	92255	143936	283476
Japan	--	883	18744	25871	49542	42232	123514	282354	270249	188833	300382	388658
Others	588	1267	166	1089	1660	13680	49664	81247	100528	58583	186548	181639
Total	10893	27880	65162	79545	141322	189227	388806	541786	631777	539833	783832	1859715
Reclaimed Rubber												
Germany (FR)	87	8	--	--	--	--	--	--	61	240	714	
U. K.	141	--	--	--	--	--	--	--	--	79	71	
U. S. A.	28	--	--	1300	73	--	--	18	--	156	446	
Others	164	--	--	--	128	187	584	482	1344	372	656	
Total	412	8		1300	201	187	584	412	1485	847	1887	

* including waste and scrap of unhardened rubber ** Including reclaimed rubber.

Source: 'Monthly Statistics of Foreign Trade of India' published by the Government of India.

TABLE - 26

PRICE OF UNGRADED NATURAL RUBBER
(AVERAGE PRICE IN RS. PER 100 KG. FOR UNGRADED RUBBER IN KOTIRAH MARKET)

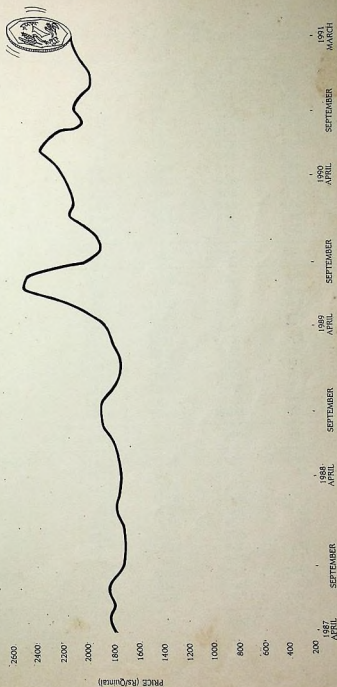
MONTH (1)	1968-69 (2)	1969-70 (3)	1970-71 (4)	1971-72 (5)	1972-73 (6)	1973-74 (7)	1974-75 (8)	1975-76 (9)	1976-77 (10)	1977-78 (11)	1978-79 (12)	1979-80 (13)
April	375.63	584.10	471.60	433.82	482.84	468.21	689.40	831.72	654.78	688.80	780.18	1874.17
May	386.50	519.39	466.70	444.76	489.29	473.48	836.40	793.78	591.73	622.60	858.27	1149.42
June	376.29	520.41	454.21	435.84	466.83	476.29	899.40	807.12	585.19	612.30	940.50	1871.40
July	418.63	519.79	437.70	435.89	464.90	482.96	986.67	795.77	628.89	630.18	1080.33	1869.85
August	423.00	512.68	439.70	413.38	435.30	496.83	1083.00	764.78	599.71	656.00	970.00	1087.20
September	420.65	484.28	468.00	394.47	429.18	495.40	957.30	763.02	545.90	638.75	1182.00	945.22
October	430.13	476.90	470.00	480.64	436.93	498.20	777.30	781.39	536.30	649.48	930.20	969.58
November	515.00	479.48	481.83	394.86	430.30	494.71	716.85	721.75	595.10	627.60	896.92	942.80
December	545.14	492.30	473.35	377.45	442.34	495.41	718.35	715.00	572.50	610.90	974.00	987.80
January	564.00	485.89	476.95	423.13	472.40	509.50	984.40	896.31	686.30	637.30	956.54	1006.00
February	536.87	469.28	467.97	429.09	470.10	647.92	874.37	676.67	615.03	637.50	942.40	977.71
March	578.64	448.68	462.63	497.50	475.56	650.39	826.40	656.20	599.73	653.94	973.09	1003.65
Average	465.81	500.87	463.59	420.79	450.71	515.39	844.24	743.62	595.96	632.11	951.43	1016.31

MONTH	1980-81 (14)	1981-82 (15)	1982-83 (16)	1983-84 (17)	1984-85 (18)	1985-86 (19)	1986-87 (20)	1987-88 (21)	1988-89 (22)	1989-90 (23)	1990-91 (24)
April	1023.33	1438.96	1568.68	1586.96	1666.74	1588.40	1786.00	1802.00	1714.00	1839.00	2170.00
May	1026.48	1477.00	1524.00	1766.35	1632.96	1650.58	1786.30	1797.00	1721.00	1978.00	2195.00
June	1048.00	1463.85	1526.15	1763.08	1708.40	1654.60	1620.40	1725.00	1693.00	2233.00	2349.00
July	1199.63	1358.93	1564.81	1721.80	1728.07	1891.67	1566.11	1799.00	1726.00	2410.00	2133.00
August	1248.91	1423.60	1544.00	1881.46	1698.40	1706.25	1551.00	1738.00	1776.00	2389.00	1880.00
September	1296.73	1389.05	1360.22	1777.80	1579.00	1677.60	1508.95	1705.00	1838.00	1942.00	2011.00
October	1269.40	1372.73	1218.88	1639.38	1565.42	1671.92	1495.58	1697.00	1825.00	1844.00	1894.00
November	1178.20	1359.00	1272.30	1702.40	1493.75	1624.65	1505.00	1643.00	1899.00	1823.00	1868.00
December	1240.38	1414.81	1228.00	1749.07	1503.62	1615.83	1507.69	1636.00	1674.00	1943.00	1885.00
January	1307.88	1463.04	1303.33	1707.80	1457.75	1669.84	1504.62	1735.00	1699.00	2115.00	1947.00
February	1330.48	1497.29	1404.58	1628.54	1500.20	1672.32	1648.54	1714.00	1764.00	2183.00	1968.00
March	1369.03	1517.41	1399.23	1645.77	1521.15	1713.54	1709.00	1731.00	1889.00	2146.00	1954.00
Average	1212.20	1430.65	1408.85	1707.53	1587.29	1640.70	1591.83	1726.17	1744.83	2057.88	2023.00

CHART No. 7

PRICE TREND OF RUBBER

(SMA-4/KOTTAYAM)



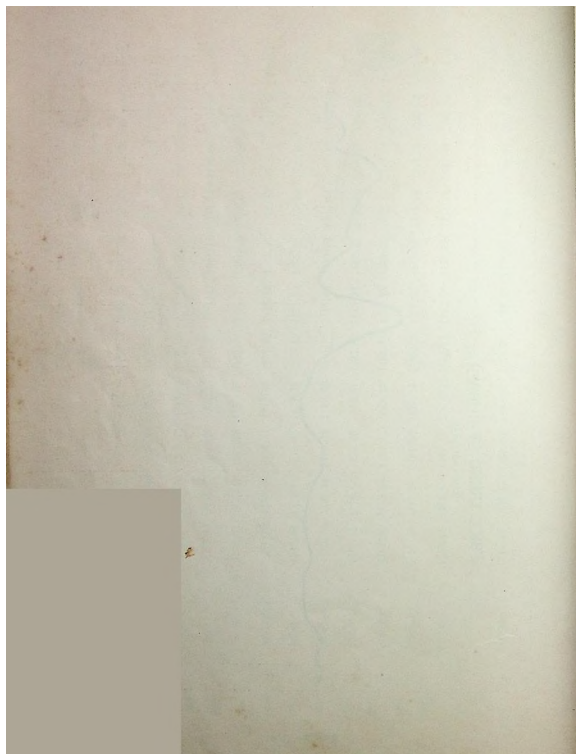


TABLE - 27

PRICE OF RMA GRADE SHEETS
(AVERAGE PRICE IN RS PER 100 KG IN KOTTAYAM MARKET)

MONTH		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5
April	1977	648	635	621	606	598
May	"	671	654	635	624	609
June	"	666	642	635	628	612
July	"	691	662	655	636	620
August	"	715	706	672	668	649
September	"	684	675	661	649	638
October	"	694	690	671	657	652
November	"	675	662	656	643	632
December	"	672	666	653	--	--
January	1978	688	670	657	646	636
February	"	678	658	655	646	638
March	"	688	674	670	662	651
Average		681	666	653	642	630
April	1978	735	720	708	703	695
May	"	897	895	862	855	848
June	"	1026	1010	988	965	950
July	"	1155	1125	1117	1107	1077
August	"	1070	1053	1000	970	948
September	"	1246	1221	1196	1184	1161
October	"	1047	1036	984	976	938
November	"	942	935	928	915	894
December	"	1031	1021	1010	990	969
January	1979	1016	998	980	967	955
February	"	1012	984	973	962	950
March	"	1029	1020	1000	984	971
Average		1017	1002	979	965	946
April	1979	1132	1121	1101	1085	1072
May	"	1235	1209	1189	1165	1156
June	"	1155	1140	1123	1106	1080
July	"	1128	1116	1099	1077	1062
August	"	1141	1129	1110	1100	1078
September	"	1005	975	967	950	946
October	"	1020	1013	998	983	967
November	"	1001	994	985	964	940
December	"	978	967	957	939	921
January	1980	1065	1058	1047	1027	1006
February	"	1044	1033	1020	1005	981
March	"	1060	1050	1037	1018	1000
Average		1080	1067	1053	1035	1017

TABLE -27(Contd..)

MONTH		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5
April	1980	1100	1090	1075	1049	1026
May	"	1100	1089	1076	1058	1036
June	"	1128	1110	1090	1068	1043
July	"	1279	1264	1251	1222	1192
August	"	1378	1357	1312	1288	1270
September	"	1384	1359	1331	1323	1306
October	"	1374	1348	1335	1311	1283
November	"	1283	1252	1242	1218	1185
December	"	1334	1311	1284	1265	1239
January	1981	1421	1395	1372	1349	1315
February	"	1402	1390	1375	1357	1332
March	"	1447	1430	1415	1395	1365
Average		1302	1283	1263	1242	1216
April	1981	1504	1495	1480	1464	1439
May	"	1574	1562	1545	1515	1481
June	"	1540	1525	1516	1499	1466
July	"	1575	1518	1449	1390	1363
August	"	1517	--	1489	1455	1433
September	"	1435	--	1425	1412	1403
October	"	1493	1463	1427	1404	1386
November	"	1467	1445	1411	1392	1370
December	"	1537	1526	1461	1443	1419
January	1982	1540	1522	1504	1484	1460
February	"	1584	1579	1553	1528	1505
March	"	1620	1578	1546	1533	1517
Average		1532	1521	1484	1460	1437
April	1982	1658	1630	1605	1580	1566
May	"	1630	1630	1580	1560	1546
June	"	1608	1600	1576	1545	1542
July	"	1690	1678	1610	1579	1570
August	"	1659	1640	1594	1594	1556
September	"	1472	1468	1465	1462	1380
October	"	1358	1340	1321	1258	1231
November	"	1446	1428	1320	1302	1285
December	"	1387	1330	1281	1252	1238
January	1983	1418	1398	1347	1311	1294
February	"	1485	1460	1447	1421	1408
March	"	1460	1444	1435	1419	1408
Average		1523	1504	1465	1440	1419

TABLE-27 (Contd..)

MONTH		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5
April	1983	1624	1619	1614	1608	1591
May	"	1720	1910	1848	1826	1794
June	"	1900	1872	1846	1823	1800
July	"	---	1900	1845	1780	1726
August	"	1938	1902	1885	1848	1816
September	"	1885	1858	1844	1819	1794
October	"	1754	1695	1693	1684	1635
November	"	---	1825	1765	1729	1702
December	"	1869	1829	1820	1797	1767
January	1984	1833	1830	1770	1745	1716
February	"	---	---	1689	1688	1640
March	"	1785	1775	1725	1668	1646
Average		1834	1820	1779	1751	1719
April	1984	---	---	1715	1694	1670
May	"	---	1720	1695	1683	1651
June	"	1829	---	1795	1760	1711
July	"	1885	1866	1849	1835	1752
August	"	---	1846	1827	1811	1728
September	"	---	---	1668	1651	1601
October	"	---	1640	1621	1605	1594
November	"	---	---	1572	1548	1511
December	"	1676	1659	1607	1580	1528
January	1985	1672	1649	1617	1562	1501
February	"	1617	1604	1574	1553	1512
March	"	1649	1600	1592	1574	1535
Average		1721	1698	1678	1655	1607
April	1985	1688	1649	1627	1608	1584
May	"	1819	1814	1766	1729	1696
June	"	1846	1784	1748	1723	1674
July	"	1876	1850	1790	1746	1715
August	"	1918	1869	1805	1775	1725
September	"	1935	1890	1839	1781	1701
October	"	1945	1918	1823	1785	1718
November	"	1857	1835	1797	1772	1662
December	"	1886	1850	1745	1716	1660
January	1986	1883	1825	1756	1729	1686
February	"	1847	1810	1736	1694	1682
March	"	1845	1805	1744	1726	1717
Average		1862	1825	1765	1732	1685

TABLE -27(Contd..)

MONTH		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5
April	1986	1815	1795	1771	1734	1723
May	"	1905	1830	1765	1738	1714
June	"	1813	1760	1748	1680	1650
July	"	1790	1730	1705	1669	1584
August	"	1795	1742	1722	1686	1591
September	"	1732	1702	1652	1605	1532
October	"	1713	1684	1645	1584	1517
November	"	1719	1680	1648	1591	1519
December	"	1701	1680	1639	1598	1529
January	1987	1705	1675	1655	1633	1594
February	"	1784	1762	1729	1675	1654
March	"	1833	1810	1768	1729	1710
Average		1775	1738	1704	1660	1610
April	1987	1885	1865	1840	1816	1802
May	"	1930	1910	1885	1847	1797
June	"	1900	1875	1857	1821	1725
July	"	1935	1915	1900	1860	1799
August	"	1910	1890	1870	1816	1730
September	"	1860	1825	1790	1750	1705
October	"	1870	1830	1800	1753	1697
November	"	1910	1850	1795	1746	1643
December	"	1920	1875	1800	1743	1685
January	1988	1960	1905	1845	1788	1754
February	"	1930	1885	1820	1778	1735
March	"	1925	1872	1805	1768	1746
Average		1911	1875	1834	1791	1735
April	1988	1900	1840	1800	1762	1735
May	"	1900	1845	1800	1776	1750
June	"	1895	1842	1800	1786	1725
July	"	1930	1885	1850	1828	1755
August	"	1990	1940	1920	1894	1826
September	"	2006	1972	1939	1904	1862
October	"	1990	1958	1925	1902	1856
November	"	1903	1868	1827	1792	1699
December	"	1885	1845	1791	1757	1674
January	1989	1873	1833	1781	1755	1699
February	"	1868	1834	1809	1789	1764
March	"	1889	1875	1855	1834	1809
Average		1919	1878	1841	1815	1763

TABLE -27(Contd..)

MONTH		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5
April	1989	1920	1904	1884	1858	1839
May	"	2150	2095	2050	2020	1978
June	"	2402	2349	2319	2284	2233
July	"	2658	2620	2575	2538	2410
August	"	2632	2599	2545	2509	2309
September	"	2085	2065	2055	2047	1942
October	"	2050	1975	1920	1902	1844
November	"	2131	2044	1982	1933	1823
December	"	2190	2125	2048	2007	1943
January	1990	2308	2258	2234	2163	2115
February	"	2308	2265	2212	2135	2103
March	"	2334	2297	2246	2175	2146
Average		2264	2216	2173	2131	2057
April	1990	2356	2301	2264	2213	2170
May	"	2375	2328	2300	2266	2195
June	"	2575	2535	2515	2408	2349
July	"	2428	2360	2338	2282	2133
August	"	2200	2150	2078	2027	1880
September	"	2267	2217	2155	2104	2013
October	"	2210	2138	2070	2025	1938
November	"	2103	2057	2030	1980	1920
December	"	2119	2066	2031	1981	1916
January	1991	2190	2142	2108	2047	1988
February	"	2242	2207	2146	2096	2024
March	"	2245	2204	2143	2114	2027
Average		2276	2225	2182	2129	2046

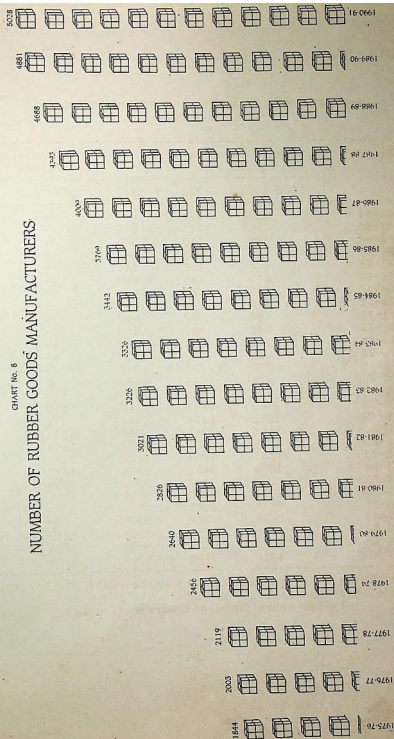
TABLE - 28

AVERAGE PRICE OF INDIGENOUS SYNTHETIC RUBBER
(Rs. per 100 kg)

YEAR	Styrene butadine (Ex-Bareilly price)		Poly butadiene (Ex-Baroda Price)	
	1500/1502	1712	1958	1203/1220
1963-64	417	371	--	--
1964-65	392	343	565	--
1965-66	385	340	565	--
1966-67	424	379	604	--
1967-68	445	400	641	--
1968-69	515	465	680	--
1969-70	493	443	680	--
1970-71	440	390	680	--
1971-72	440	390	680	--
1972-73	440	390	680	--
1973-74	427	377	614	--
1974-75	902	732	1226	--
1975-76	779	720	1370	--
1976-77	813	763	1378	--
1977-78	855	805	1420	--
1978-79	909	858	1440	853
1979-80	1222	1134	1732	976
1980-81	1507	1317	2019	1224
1981-82	1729	1542	2130	1414
1982-83	1833	1634	2210	1477
1983-84	1853	1651	2226	1477
1984-85	2086	1808	2382	1698
1985-86	2350	2110	2736	1928
1986-87	2517	2285	2915	2072
1987-88	2600	2380	3107	2180
1988-89	2886	2654	3368	2246
1989-90	3280	2820	3690	2505
1990-91	4010	3700	4340	2903

Note: The prices are exclusive of excise duty & other taxes.
Source: M/s. Synthetics & Chemicals Ltd &
Indian Petro Chemicals Corporation Ltd.

CHART No. 8 NUMBER OF RUBBER GOODS MANUFACTURERS



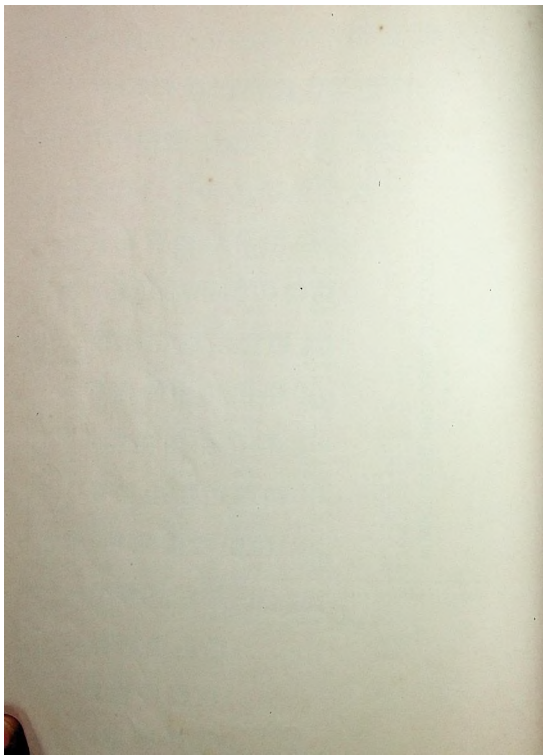


TABLE - 29

DISTRIBUTION OF MANUFACTURERS ACCORDING TO THEIR TOTAL CONSUMPTION OF RUBBER

CONSUMPTION IN METRIC TONNES (1)	1976-77									
	1976-77					1978-79				
	NO. OF MANUFA- CTURES (2)	CONSUMPTION NATURAL (3)	CONSUMPTION SYNTHETIC (4)	RECLAIMED (5)	NO. OF MANUFA- CTURES (6)	CONSUMPTION NATURAL (7)	CONSUMPTION SYNTHETIC (8)	RECLAIMED (9)	TOTAL (10)	TOTAL (11)
10 and below	676	2786	179	57	3822	847	2148	445	173	2786
Above 10 and upto and including 50	187	3977	349	146	4472	288	5862	1218	415	7487
Above 50 and upto and including 100	25	3265	511	233	4089	62	3487	1173	399	4979
Above 100 and upto and including 500	45	8578	1739	559	10618	68	9577	3278	1666	14513
Above 500 and upto and including 1000	18	3648	1245	1358	6263	13	6138	1882	1953	9883
Above 1000	12	44377	17549	8540	74406	11	48885	23268	9742	95887
Total	985	68485	23592	18913	183108	1281	87237	33160	14348	134745

CONSUMPTION IN METRIC TONNES (12)	1975-76									
	1975-76					1980-81				
	NO. OF MANUFA- CTURES (13)	CONSUMPTION NATURAL (14)	CONSUMPTION SYNTHETIC (15)	RECLAIMED (16)	NO. OF MANUFA- CTURES (17)	CONSUMPTION NATURAL (18)	CONSUMPTION SYNTHETIC (19)	RECLAIMED (20)	TOTAL (21)	TOTAL (22)
10 and below	1097	5133	671	486	6298	1676	4282	597	496	3275
Above 10 and upto and including 50	583	12127	1819	1838	14976	817	17816	2831	2116	21963
Above 50 and upto and including 100	135	9178	1597	628	11483	159	9944	2981	2431	15276
Above 100 and upto and including 500	84	13425	3646	2168	17239	112	17783	5814	3839	27447
Above 500 and upto and including 1000	18	4838	824	1458	7104	18	9374	2231	1771	14176
Above 1000	15	80999	23895	13588	118414	24	115811	32156	16206	143373
Total	1844	125492	32452	19342	177486	2826	173630	41858	24858	247538

TABLE - 29(Contd..)

CONSUMPTION IN METRIC TONNES (23)	1981-82						1982-83					
	CONSUMPTION			CONSUMPTION			CONSUMPTION			CONSUMPTION		
	NO. OF MANUFA- CTURES (24)	NATURAL (25)	SYNTHETIC (26)	NO. OF MANUFA- CTURES (24)	NATURAL (25)	SYNTHETIC (26)	NO. OF MANUFA- CTURES (24)	NATURAL (25)	SYNTHETIC (26)	NO. OF MANUFA- CTURES (24)	NATURAL (25)	SYNTHETIC (26)
18 and below	1788	3083	797	673	5353	1874	4845	928	683	6418		
Above 18 and upto and including 50	963	18387	3889	2463	23919	986	18815	3917	2683	25415		
Above 50 and upto and including 100	175	18385	4084	2673	17842	173	9652	4688	2551	16883		
Above 100 and upto and including 300	133	28974	7755	3923	32652	149	22378	8384	3792	34474		
Above 300 and upto and including 1000	19	10856	2928	2623	15359	19	18371	3178	2124	15873		
Above 1000	23	124395	34085	15865	174645	25	129284	34251	17357	180892		
Total	3821	188420	52658	28140	269238	3226	195345	55250	29150	277985		

CONSUMPTION IN METRIC TONNES (34)	1983-84						1984-85					
	CONSUMPTION			CONSUMPTION			CONSUMPTION			CONSUMPTION		
	NO. OF MANUFA- CTURES (35)	NATURAL (36)	SYNTHETIC (37)	NO. OF MANUFA- CTURES (35)	NATURAL (36)	SYNTHETIC (37)	NO. OF MANUFA- CTURES (35)	NATURAL (36)	SYNTHETIC (37)	NO. OF MANUFA- CTURES (35)	NATURAL (36)	SYNTHETIC (37)
18 and below	1881	5749	942	593	7384	1782	5492	1267	786	7465		
Above 18 and upto and including 50	1078	19825	3958	2755	26540	1239	22245	4531	3360	30156		
Above 50 and upto and including 100	173	9781	4788	1929	16498	281	11839	4982	2776	18717		
Above 100 and upto and including 300	148	22389	8774	3642	34685	168	27599	9918	4127	41444		
Above 300 and upto and including 1000	17	8615	2334	1528	12477	23	9539	3967	2829	16335		
Above 1000	29	143891	41512	28234	284837	29	141596	48795	28827	283218		
Total	3326	289488	62380	38681	382461	3442	217518	65408	34625	317535		

TABLE - 29 (Contd...)

CONSUMPTION IN METRIC TONNES (45)	1985-86						1987-88					
	CONSUMPTION			NO. OF			CONSUMPTION			NO. OF		
	NATURAL	SYNTHETIC	RECLAIMED	MANUFA- CTURES	TOTAL	MANUFA- CTURES	NATURAL	SYNTHETIC	RECLAIMED	MANUFA- CTURES	TOTAL	MANUFA- CTURES
10 and below	1955	7951	1356	774	10081	2796	9275	2374	1110	12759		
Above 10 and upto and including 50	1318	25085	4108	3792	33785	1519	33854	4534	4387	42875		
Above 50 and upto and including 100	241	14356	4951	3030	22337	309	19519	5659	4098	29726		
Above 100 and upto and including 500	201	32821	13340	5157	51318	282	35322	12956	5817	54395		
Above 500 and upto and including 1000	21	8263	4106	3283	15572	36	17597	4166	3597	25360		
Above 1000	33	140244	42174	22259	212677	31	172413	46621	22131	241165		
Total	3769	237440	70035	30215	345690	4393	287400	76410	41140	495930		

CONSUMPTION IN METRIC TONNES (56)	1989-90						1995-90					
	CONSUMPTION			NO. OF			CONSUMPTION			NO. OF		
	NATURAL	SYNTHETIC	RECLAIMED	MANUFA- CTURES	TOTAL	MANUFA- CTURES	NATURAL	SYNTHETIC	RECLAIMED	MANUFA- CTURES	TOTAL	MANUFA- CTURES
10 and below	2410	5957	2430	1129	9516	2558	8107	2312	1118	11529		
Above 10 and upto and including 50	1613	33368	4478	4183	42829	1614	35104	4587	3078	43569		
Above 50 and upto and including 100	316	18560	5331	3671	22562	349	20542	4953	3409	28914		
Above 100 and upto and including 500	252	40700	12957	5084	50821	269	44196	14495	4595	63286		
Above 500 and upto and including 1000	35	17499	4341	3131	25171	36	18313	4634	3108	26329		
Above 1000	42	197466	54613	25252	277331	45	210576	62359	27763	385598		
Total	4688	313830	84150	42450	440430	4081	341840	93550	43935	479725		

TABLE - 38

NUMBER OF LICENSED MANUFACTURERS IN DIFFERENT STATES AT THE END OF EACH YEAR

STATE/TERRITORY	1965-66	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Assam	--	4	5	4	3	3	2	2	3	2	4
Andhra Pradesh	8	15	21	30	34	35	42	40	47	55	64
Bihar	6	7	10	10	10	20	25	18	19	30	31
Delhi	110	153	161	165	169	156	178	205	216	265	272
Gujarat	40	78	88	95	104	126	134	136	149	168	173
Goa	--	1	1	2	2	3	5	6	4	7	5
Kerala	54	119	120	144	152	191	221	248	273	311	331
Haryana	--	65	60	70	82	91	114	129	141	157	171
Himachal Pradesh	--	--	--	--	--	--	--	1	1	4	3
Madhya Pradesh	5	15	14	15	13	15	15	17	19	23	22
Tamil Nadu	34	64	59	67	72	88	111	118	139	160	189
Maharashtra	162	230	227	239	267	272	280	279	296	337	367
Karnataka	7	17	10	26	35	43	51	58	56	68	79
Orissa	--	2	2	6	5	6	2	5	3	5	7
Punjab	172	201	184	173	180	192	183	221	245	207	317
Rajasthan	7	9	9	12	11	13	16	14	16	21	16
Uttar Pradesh	58	103	111	127	128	146	163	182	186	215	242
West Bengal	175	198	228	212	238	247	301	314	303	338	345
Others	--	--	--	--	1	1	1	2	3	3	2
Total	838	1281	1310	1397	1506	1648	1844	2003	2119	2456	2640

TABLE - 38(Contd..)

STATE/TERRITORY	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Assam	2	3	1	2	3	3	2	3	4	4	3
Andhra Pradesh	86	63	87	92	187	187	121	132	146	148	158
Bihar	29	29	29	30	28	30	34	37	39	45	47
Delhi	274	288	388	384	319	326	343	373	391	393	377
Gujarat	191	194	222	228	247	262	274	285	300	385	384
Goa	6	9	11	9	11	12	15	13	14	16	24
Kerala	391	458	498	531	533	599	630	711	742	767	816
Madhya Pradesh	181	283	284	216	281	213	213	222	244	235	252
Mizoram	3	3	7	6	9	9	11	16	18	15	12
Nagaland	24	27	36	33	41	46	54	59	78	81	85
Odisha	212	228	242	253	287	326	358	395	433	476	491
Punjab	373	386	416	413	427	488	492	524	551	571	569
Rajasthan	98	100	106	117	132	162	169	199	287	216	221
Tamil Nadu	18	11	12	10	11	17	15	16	20	18	19
Uttar Pradesh	339	349	355	341	331	371	397	452	496	529	538
West Bengal	19	24	31	39	42	44	47	57	64	85	86
Others	249	264	278	297	385	352	379	419	442	482	584
	351	383	402	408	481	413	445	468	482	482	494
Total	2826	3021	3226	3326	3442	3769	4089	4393	4688	4881	5078

TABLE - 31

PRODUCTION OF RUBBER GOODS

AUTOMOBILE TYRE ('000 Nos.)								
YEAR	Giant	Motor car	Motor Cycle & scooter	Tractor	Aero	A.D.V.	Off-the road	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1960	919	343	99	49	3	49	3	1465
1961	979	473	110	49	3	72	6	1692
1962	1070	518	121	57	8	91	7	1872
1963	1244	549	133	43	16	85	8	2078
1964	1238	689	165	75	14	94	9	2284
1965	1364	762	227	94	11	117	8	2583
1966	1404	723	224	90	12	119	8	2580
1967	1507	755	214	93	10	120	7	2706
1968	1851	861	414	149	9	145	9	3438
1969	2077	969	581	178	8	193	9	4015
1970	2093	966	603	186	7	176	10	4041
1971	2364	1148	678	228	14	212	15	4659
1972	2392	1296	708	280	17	269	16	4978
1973	2487	1280	709	286	13	250	18	5043
1974	2713	1262	802	309	10	281	18	5395
1975	2880	950	1065	367	12	273	17	5564
1976	2724	913	1484	422	15	277	18	5853
1977	3069	998	1270	470	16	344	13	6180
1978	3411	1047	1520	582	16	406	10	6992
1979	3451	1057	1820	603	13	322	9	7275
1980	3707	1073	1967	654	16	420	11	7848
1981	3825	969	2405	695	16	400	11	8321
1982	4340	982	2425	690	21	467	12	8937
1983	4449	1090	2609	780	17	496	15	9456
1984	4612	1331	3275	919	14	455	15	10621
1985	4680	1546	3969	950	12	451	16	11624
1986	4933	1442	4522	853	14	319	13	12096
1987	4170	1446	3855	869	12	304	18	10674
1988	5569	1969	5704	1025	14	489	16	14785
1989	5809	2247	6383	1112	22	548	19	16140

Source: Directorate General of Technical Development

TABLE -31(contd..)

AUTOMOBILE TUBES ('000 Nos.)								
YEAR	Giant	Motor	Motor	Tractor	Aero	A.D.V.	Off-the	Total
(10)	(11)	car	cycle& scooter	(14)	(15)	(16)	road	(18)
		(12)	(13)				(17)	
1960	817	360	104	51	1	65	3	1401
1961	870	477	137	54	2	77	5	1622
1962	952	541	150	53	3	99	6	1804
1963	1162	686	182	63	4	131	8	2236
1964	1254	718	237	75	5	163	9	2461
1965	1289	785	292	97	2	157	10	2632
1966	1227	703	277	81	1	134	8	2431
1967	1494	947	313	107	2	141	10	3014
1968	1569	965	454	148	1	151	10	3298
1969	1523	842	514	160	1	217	9	3266
1970	1707	1019	522	181	1	190	9	3629
1971	2123	1303	608	221	4	239	11	4509
1972	2361	1266	624	255	3	255	12	4776
1973	2465	1168	588	258	3	228	14	4724
1974	2525	1099	607	244	2	223	11	4711
1975	2674	983	862	308	3	295	8	5133
1976	2276	1116	1211	396	5	359	15	5378
1977	2500	1070	1136	364	3	341	11	5425
1978	2899	1136	1289	446	4	387	8	6169
1979	2728	1159	1054	444	3	310	6	5704
1980	3197	1167	1319	519	4	388	8	6602
1981	3549	1150	1741	590	2	344	9	7385
1982	3618	1202	1823	502	2	385	9	7541
1983	3548	1353	1862	559	1	337	6	7666
1984	3996	1646	2063	671	1	383	8	8768
1985	3823	1724	2723	676	2	314	10	9272
1986	3270	1555	2718	613	3	269	10	8438
1987	3752	1734	3000	911c	NA	--	NA	9397
1988	4896	2461	4211	874c	NA	--	NA	11568
1989	5197	2815	4206	1210c	NA	--	NA	13428

Source: Directorate General of Technical Development

C : Includes A.D.V. tubes also.

NA : Not Available

TABLE - 32

PRODUCTION OF VEHICLES
(in Numbers)

TYPE OF VEHICLE	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Commercial Vehicles	57811	70847	91115	86811	88445	96794	100452	99190	110100	116447	125069
Agricultural Tractors	62502	71120	84156	62888	75793	84913	73456	78292	70729	102414*	117212
Cars	32650	31344	42610	43616	46751	74156	102804	125866	151875	165798	179066
Jeeps	14196	17881	20721	21789	23240	25153	27961	28784	32036	35754	40893
Motor Cycles	91567	104169	116136	134905	160386	181928	267107	302320	335679	429017	417401
Scooters	158094	213068	199640	264919	280381	322183	461860	642724	589734	725305	871978
Three Wheelers	17781	26919	25773	31912	38422	43461	49947	54566	61112	79361	84250
Mopeds	71701	129894	207700	233553	338118	413928	461950	449688	511699	482001	439293
Total :	506302	665242	787851	879593	1051336	1242516	1545537	1781630	1862964	2136097	2275162

Source: Ministry of Industry, Association of Indian Automobile Manufacturers.

* : Relates to calendar year.

TABLE - 33

CONSUMPTION OF ALL KINDS OF RUBBER ACCORDING TO END PRODUCTS
(Tonnes)

PRODUCTS	1975-76				1980-81				1981-82			
	NR (2)	SR (3)	Total (4)	NR (5)	SR (6)	Total (7)	RR (8)	Total (9)	NR (10)	SR (11)	RR (12)	Total (13)
1. Automobile tyres & tubes	62115	17451	4887	84453	87255	26598	6861	119954	97027	28668	6668	132147
2. Cycle tyres and tubes	15979	3856	5414	24449	28664	5346	7808	33870	22252	6335	8832	36619
3. Camel back	5545	2383	682	8538	9138	2484	2805	13619	9359	2999	2818	14376
4. Footwears	12387	4535	2155	19077	17888	6851	3214	27865	19286	6621	3294	29281
5. Belts and hoses	8943	1194	1342	11479	11812	2834	1885	15731	12651	2984	1936	17491
6. Latex foam	2833	--	--	2833	5753	--	--	5753	6815	--	--	6815
7. Cables and wires	598	388	18	988	779	435	136	1350	831	485	196	1512
8. Battery boxes	288	561	2275	3116	485	778	3228	4483	575	819	3544	4938
9. Dipped goods	3478	--	--	3478	4945	--	--	4945	5454	--	--	5454
10. Others	14342	3852	2569	19963	14987	3324	2489	28788	14178	4827	2488	28677
Total	125692	32452	19342	177486	173638	47808	26850	247538	188420	52658	28168	269248

* Includes Tractor, Aero, MV and Off-the-road.

TABLE - 33 (Contd..)

PRODUCTS	1982-83				1983-84				1984-85			
	NR (14)	SR (15)	RR (16)	Total (17)	NR (18)	SR (19)	RR (20)	Total (21)	NR (22)	SR (23)	RR (24)	Total (25)
1. Automobile tyres & tubes*	100379	28801	6982	136162	188149	33222	7129	148500	111657	34981	7648	154286
2. Cycle tyres and tubes	23075	7850	8300	38425	24761	7820	8800	41381	25518	8120	9279	42917
3. Camel back	9440	3237	2100	14785	18359	3547	2242	16148	11320	3654	2732	17706
4. Footwears	19869	7170	3267	30306	28748	7990	3424	32162	21750	8292	4197	34239
5. Belts and hoses	13176	3179	2140	18495	13654	3625	2240	19519	14260	4078	2457	20795
6. Latex foam	7645	--	--	7645	8572	--	--	8572	9197	--	--	9197
7. Cables and wires	769	473	190	1432	848	554	182	1584	805	689	318	1732
8. Battery boxes	615	970	3690	5275	792	1022	3990	5804	827	1093	4530	6450
9. Dipped goods	6004	--	--	6004	6725	--	--	6725	7094	--	--	7094
10. Others	14465	4370	2521	21376	14872	4520	2663	22075	15082	4573	3444	23119
Total	195545	55250	29190	279985	289468	62300	30650	302470	217510	65400	36625	317535

* Includes Tractor, Aero, ADV and Off-the-road.

TABLE - 33 (Contd..)

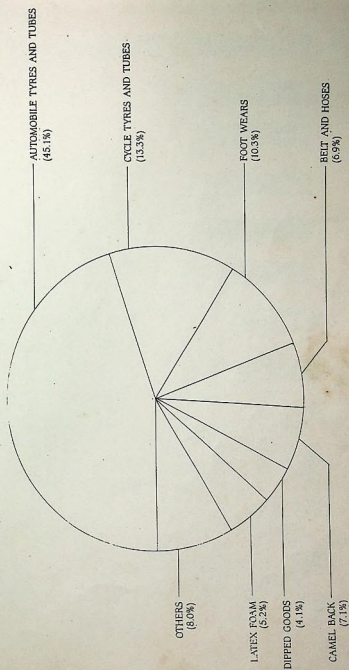
PRODUCTS	1985-86				1986-87				1987-88			
	NR (26)	SR (27)	RR (28)	Total (29)	NR (30)	SR (31)	RR (32)	Total (33)	NR (34)	SR (35)	RR (36)	Total (37)
1. Automobile tyres & tubes*	114031	36007	7381	157419	110251	37261	6948	152460	129428	40225	7425	177078
2. Cycle tyres and tubes	29915	9220	9972	49107	33588	9470	9958	53048	38250	9281	10337	58068
3. Camel back	15047	4142	2943	22132	16578	3888	3052	23460	20025	4227	3218	27470
4. Footwears	24194	9645	5245	39084	27994	9790	5355	43139	31170	10698	5719	47587
5. Belts and hoses	15870	4372	2856	23098	18120	4800	2988	25908	20316	5424	3822	28762
6. Latex foam	11396	--	--	11396	13100	--	--	13100	14400	--	--	14400
7. Cables and wires	1004	700	259	1971	1100	845	400	2345	1130	940	479	2568
8. Battery boxes	890	1128	5720	7738	900	1250	6025	8175	956	1325	6776	9057
9. Dipped goods	9850	--	--	9850	10150	--	--	10150	11570	--	--	11570
10. Others	16043	4813	3839	24695	17582	4489	3877	25948	20195	4290	3765	28450
TOTAL	237440	70035	38215	345490	257303	71785	38435	367725	287498	76410	41148	405030

* Includes Tractor, Aero, Army and Off-the-road.

TABLE - 33 (Contd..)

PRODUCTS	1988-89			1989-90		
	NR (38)	SR (39)	RR (40)	Total (41)	NR (42)	SR (43)
1. Automobile tyres & tubes*	140088	44407	7365	199860	154225	51129
2. Cycle tyres and tubes	40410	8712	12410	61532	45406	9411
3. Camel back	21311	4153	3342	28806	24138	4224
4. Footwears	32291	14263	5342	51896	35426	15640
5. Belts and hoses	21724	5812	2949	30485	23720	6047
6. Latex foam	15230	--	--	15230	17783	--
7. Cables and wires	1178	988	509	2675	1208	1024
8. Battery boxes	1012	1487	6815	9314	1197	1527
9. Dipped goods	12236	--	--	12236	14052	--
10. Others	20350	4328	3718	28396	24685	4548
TOTAL	313830	84150	42450	440430	341040	93550
* Includes Tractor, Aero, ADV and Off-the-road.					43935	47932

CHART No. 4
 CONSUMPTION OF NATURAL RUBBER
 ACCORDING TO END PRODUCTS
 (1989-90)



FIGURES IN BRACKETS INDICATE PERCENTAGE TO TOTAL CONSUMPTION

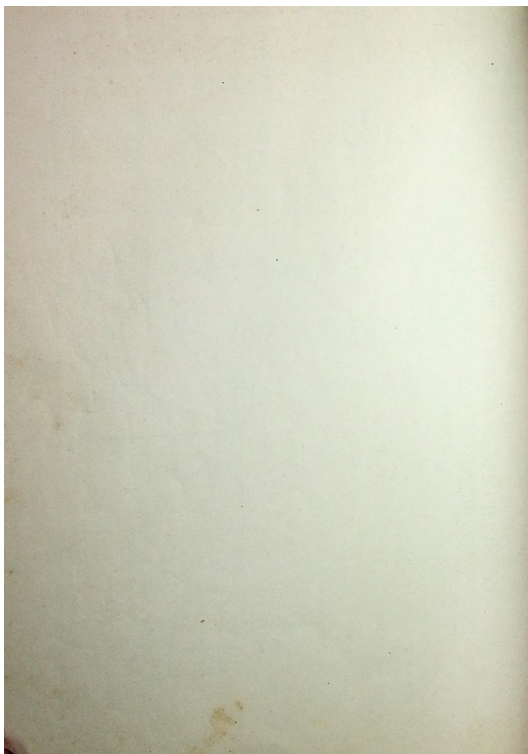
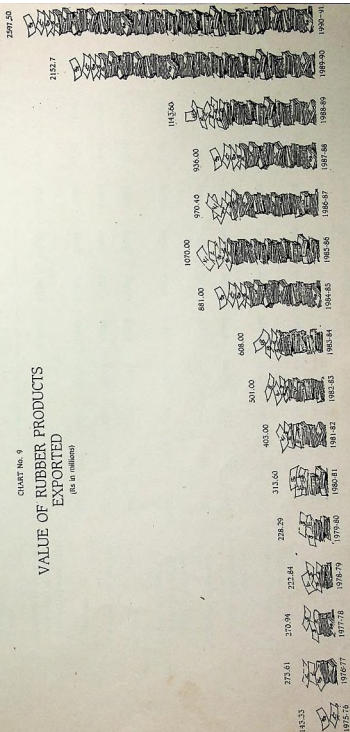


CHART No. 9
**VALUE OF RUBBER PRODUCTS
 EXPORTED**
 (in millions)



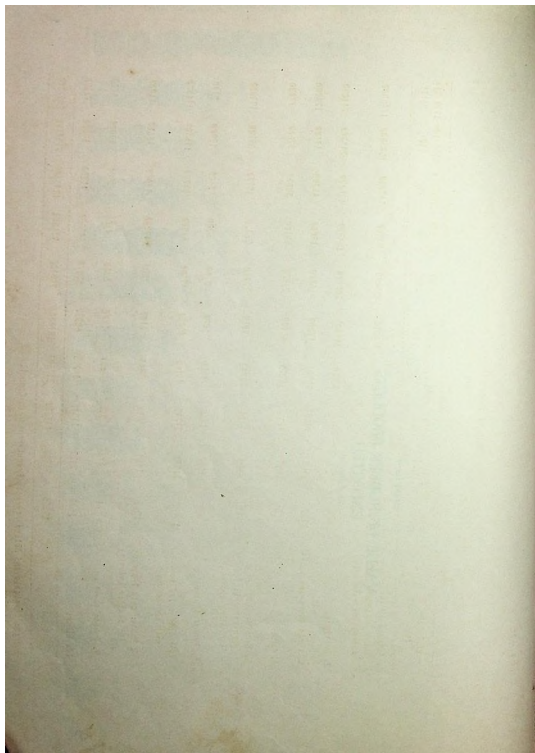


TABLE - 3A

VALUE OF RUBBER PRODUCTS EXPORTED
(Value in '000 Rs.)

PRODUCTS (1)	1965-66 (2)	1976-71 (3)	1975-76 (4)	1980-81 (5)	1985-86 (6)	1986-87 (7)	1987-88* (8)	1988-89* (9)	1989-90* (10)	1990-91* (11)
1. Automobile tyres and tubes including tyre retreading materials	27482	35375	85145	131529	478008	395300	585000	763000	1305000	1795000
2. Beltings	122	1837	8877	42000	395300	200000	154000	130000	243200	241000
3. Cycle tyres and tubes	2389	4354	9888	25083	10000	6300	15000	46300	67400	120000
4. Hoses	788	1003	2735	6275	65000	27000	20100	30000	52000	77000
5. Hygienic, medical & surgical articles including gloves	211	6183	2801	28942	7868	20010	26320	45200	59200	130000
6. Rubber footwear	879	1587	1358	3458	5000	5700	6700	3600	12000	5700
7. Rubber-soled footwear with canvas upper	13977	21573	21745	41768	45000	47300	61800	65000	116300	111000
8. Rubber coats & aprons for textile industry	1572	1463	846	3944	7100	7000	12000	13400	16600	11000
9. Rubber sheetings	66	471	798	629	5000	5000	4700	5000	20000	5700
10. Others	2579	2422	11535	34225	60032	55000	40800	41300	60000	91300
Total	49985	96996	145328	313485	1070000	970400	936000	1145500	2152700	2597500

Source: Chemicals and Allied Products Export Promotion Council

* - Estimated

TABLE - 33

QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED
(Value in '000 Rs.)

PRODUCTS (1)	Unit (2)	1967-68		1969-70		1971-72		1973-74	
		Quantity (3)	Value (4)	Quantity (5)	Value (6)	Quantity (7)	Value (8)	Quantity (9)	Value (10)
1. TYRES									
Aircraft	Nos.	2198	1172	158	887	2188	2448	1813	2222
Cycle	"	13866	149	--	--	4127	15	45	81
Motor car, Truck & Bus	"	594	187	3213	812	4786	1362	3928	1872
Tractor and other OTR	"	458	2451	8893	2945	15382	6388	18588	5859
Motor cycle	"	182	13	21657	473	4638	161	5888	198
Solid Rubber Tying	"	36	59	48	19	298	124	2524	1662
Solid Rubber tying(NES)	MT	153	1469	54	2121	478	4718	788	8332
Others	Nos.	523	188	1164	291	2338	758	--	--
Total			5528		7548		15886		28218
2. TUBES									
Aircraft	Nos.	1495	289	2832	159	2275	368	298	38
Cycle	"	624	3	--	--	3288	11	--	--
Motor car, Truck and Bus	"	319	16	3913	185	4895	228	3765	194
Tractor and other OTR	"	127	66	2887	588	2194	366	2747	496
Motor cycle	"	6268	44	11	6	1618	68	7	6
Others	"	398	16	5538	485	1375	246	1796	216
Total			354		1257		1271		944
3. FLAPS									
	Nos.	58	2	3578	78	728	45	3291	1015
4. HYGIENIC & PHARMACEUTICALS									
Contraceptives	million nos	48	3489	123	18947	7	826	124	16385
Others	Kg.	2789	88	5582	165	567	18	17564	494
5. BELTING									
Conveyor	Kg.	87978	1136	39142	364	176566	1584	135684	2634
Others	"	98362	2885	98132	2582	29772	875	287319	8888
6. FOOTWEAR									
	Pairs	837	2	32138	65	89	1	--	--
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.									
	Kg.	28668	828	19688	927	54888	2937	27571	1561
8. RUBBERISED AND OTHER IMPREGNATED ARTICLES									
	"	7784	221	18746	545	4981	114	4773	215
9. LATEX FOAM SPONGE									
	"	33143	242	49583	248	25326	73	--	--
10. HOSES									
	"	88896	2585	128628	2835	95453	2681	121399	3259
11. EBONITE									
	"	16543	376	969	36	28897	252	38977	985
12. OTHER VULCANISED SHEETS									
	MT.	255	1818	143	1444	263	2161	38	954
13. OTHER ARTICLES OF RUBBER									
	"	--	3685	--	2597	--	4961	--	6837
Grand Total			22271		39564		33685		63581

source: Monthly Statistics of Foreign Trade of India
less than Rs. 500

TABLE - 35 (Contd..)

PRODUCTS	Unit	1975-76		1977-78		1978-79		1979-80	
		Quantity (11)	Value (12)	Quantity (13)	Value (14)	Quantity (15)	Value (16)	Quantity (17)	Value (18)
1. TYRES									
Aircraft	Nos.	2252	3856	13681	11126	1426	3496	2225	7679
Cycle	"	--	--	--	--	1388	28	--	--
Motor car, Truck & Bus	"	1589	812	354	282	2375	5117	12339	18718
Tractor and other OTR	"	9184	5537	438	329	1546	3464	--	--
Motor cycle	"	81	4	35	4	1564	163	281	235
Solid Rubber Tyreing	"	31	15	991	431	335	1857	583	375
Solid Rubber Tyreing (NES)	MT	422	7183	--	--	--	--	--	--
Others	Nos.	2849	782	28748	7658	73848	2996	--	--
Total			17389		19858		16313		18999
2. TUBES									
Aircraft	Nos.	4538	489	763	152	52	9	265	34
Cycle	"	--	--	--	--	--	--	--	--
Motor car, Truck and Bus	"	444	23	77	23	--	--	3568	487
Tractor and other OTR	"	2239	385	71	17	818	341	3821	374
Motor cycle	"	--	--	25	2	--	--	--	--
Others	"	2428	245	1297	132	13389	1868	42718	11587
Total			1142		326		1418		12482
3. FLAPS									
	Nos.	17	8	--	--	--	--	26	11
4. HYGIENIC & PHARMACEUTICALS									
Contraceptives	million nos.	8.63	78	8.1	27	--	--	8.87	19
Others	Kg.	188	4	119	16	281593	2151	161	49
5. BELTING									
Conveyor	Kg.	1876828	28588	134941	7634	179588	5881	995573	22775
Others	"	52645	2268	281376	26834	262779	12728	144658	18911
6. FOOTWEAR									
	Pairs	--	--	--	--	--	--	--	--
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.									
	Kg.	--	--	588	268	119163	8926	1554	379
8. RUBBERISED AND OTHER IMPREGNATED ARTICLES									
	"	--	--	--	--	--	--	--	--
9. LATEX FOAM SPONGE									
	"	27888	738	31616	298	--	--	84899	1217
10. HOSES									
	"	238633	6851	556272	18789	218468	11878	175631	13336
11. EBONITE									
	"	1824	59	2288	179	28277	1273	9511	1885
12. OTHER VULCANISED SHEETS									
	MT.	37	1829	--	--	4547	435	287215	5765
13. OTHER ARTICLES OF RUBBER									
	"	--	13875	--	41993	--	46863	--	84361
Grand Total			71125		115318		186252		171389

Source: Monthly Statistics of Foreign Trade of India

TABLE - 33 (Contd.)

PRODUCTS	Unit	1980-81		1981-82		1982-83		1983-84	
		Quantity (19)	Value (20)	Quantity (21)	Value (22)	Quantity (23)	Value (24)	Quantity (25)	Value (26)
1. TYRES									
Aircraft	Nos.	1167	4149	1915	8934	686	2190	1544	6271
Cycle	"	--	--	--	--	6710	610	--	--
Motor car, Truck & Bus	"	1864	2370	569	971	5795	7366	2497	2730
Tractor and other OTR	"	2318	6350	661	3898	1656	19655	940	10540
Motor cycle	"	1	1	10	11	--	--	42	15
Solid Rubber Tying	"	612	1359	319	366	149	349	75	295
Solid Rubber Tying (NES)	MT	--	--	--	--	21	1301	21	1816
Others	Nos.	16854	5583	7515	19029	2754	4633	3674	3884
Total			19612		33229		36104		24759
2. TUBES									
Aircraft	Nos.	4	16	29	19	--	--	--	--
Cycle	"	30	3	850	4	--	--	--	--
Motor car, Truck and Bus	"	5	3	39	11	17	5	525	126
Tractor and other OTR	"	365	107	500	122	52	17	4	3
Motor cycle	"	--	--	4	--	--	--	707	54
Others	"	995	339	12	5	1522	274	179	159
Total			468		161		296		342
3. FLAPS									
	Nos.	5	2	14	67	309	305	59	30
4. HYGIENIC & PHARMACEUTICALS									
Contraceptives	million nos.	0.5	636	2	2564	27	5515	10	2864
Others	Kg.	5521	507	14199	2444	50400	1305	31895	1219
5. BELTING									
Conveyor	Kg.	212429	10573	379	10139	503049	20040	372265	35746
Others	"	170150	19268	14243	2553	120139	35090	155304	19303
Total	Pairs	--	--	--	--	--	--	22779	513
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.									
	Kg.	62329	8000	500	19	170161	12232	379444	19310
8. RUBBERISED AND OTHER IMPREGNATED ARTICLES									
	"	--	--	--	--	--	--	--	--
9. LATEX FOAM SPONGE									
	"	22603	206	303	59	3499	122	1400	530
10. HOSES									
	"	124066	10438	299	21709	515660	43003	454794	41260
11. EBONITE									
	"	26128	933	--	--	30244	1400	11732	737
12. OTHER VULCANISED SHEETS									
	MT.	56017	2212	--	--	9	1137	57	1522
13. OTHER ARTICLES OF RUBBER									
	"	--	96473	--	161707	--	101756	--	162715
Grand Total			169536		242671		250309		310066

Source : Monthly Statistics of Foreign Trade of India

TABLE - 35 (Contd..)

PRODUCTS	Unit	1984-85		1986-87		1987-88		1988-89	
		Quantity (27)	Value (28)	Quantity (29)	Value (30)	Quantity (31)	Value (32)	Quantity (33)	Value (34)
1. TYRES									
Aircraft	Nos.	153	470	182	837	82	3184	738	9472
Cycle	"	--	--	--	--	--	--	--	--
Motor car, Truck & Bus	"	2287	4552	2618	16657	274	1627	3717	15619
Tractor and other OTR	"	135	1831	387	6465	1548	31116	257	7868
Motor cycle	"	1	1	--	--	--	--	--	--
Solid Rubber Tyreing	"	--	--	25	375	898	1885	344	5816
Solid Rubber Tyreing (NES)	MT	19	668	230	8568	--	--	--	--
Others	Nos.	3386	4397	2917	8675	3778	58528	9573	25854
Total			12111		41569		88532		63621.040
2. TUBES									
Aircraft	Nos.	--	--	--	--	4	28	--	--
Cycle	"	--	--	--	--	--	--	--	--
Motor car, Truck and Bus	"	--	--	115	262	44	46	758	35
Tractor and other OTR	"	--	--	--	--	1	3	--	--
Motor cycle	"	--	--	--	--	--	--	--	--
Others	"	417	95	--	--	91	184	347	247
Total			95		262		173		282
3. FLAPS									
	Nos.	69	152	7	44	--	--	--	--
4. HYGIENIC & PHARMACEUTICALS									
Contraceptives	million nos.	3	985	5	2988	65	24935	185	61848
Others	Kg.	108812	8648	71845	9659	183	19798	68639	7743
5. BELTING									
Conveyor	Kg.	162177	70729	365238	26743	478825	41987	228985	36926
Others	"	91188	23444	970867	78941	132138	23845	168923	34212
6. FOOTWEAR									
	Pairs	--	--	--	--	--	--	--	--
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.									
	Kg.	273778	24148	538316	43188	6631	3917	4971	1766
8. RUBBERISED AND OTHER IMPREGNATED ARTICLES									
	"	--	--	--	--	--	--	--	--
9. LATEX FOAM SPONGE									
	"	11577	879	35216	1845	186317	28556	66	13
10. ROSES									
	"	771843	74851	658151	69515	341875	51711	131880	46277
11. EBONITE									
	"	25663	1965	49618	1242	51888	2869	13839	2688
12. OTHER VULCANISED SHEETS									
	MT.	--	--	112	4525	774	188885	186156	17195
13. OTHER ARTICLES OF RUBBER									
	"	--	195347	--	343789	--	115898	--	248438
Grand Total			413346		623494		494258		519593

Source: Monthly Statistics of Foreign Trade of India

TABLE-36

NUMBER OF LICENSED DEALERS IN KERALA STATE AT THE END OF EACH YEAR

DISTRICT (1)	1965-66 (2)	1970-71 (3)	1975-76 (4)	1980-81 (5)	1985-86 (6)	1986-87 (7)	1987-88 (8)	1988-89 (9)	1989-90 (10)	1990-91 (11)
Trivandrum	7	40	60	155	197	263	326	370	416	477
Duilion	77	272	344	532	329	468	579	657	722	771
Pathanamthitta	--	--	--	--	323	399	540	664	746	857
Alleppey	17	38	38	47	9	13	24	25	31	37
Kottayam	238	686	787	1306	1431	1706	1849	1984	1994	2033
Idikkil	--	--	86	155	239	264	295	314	328	324
Ernakulam	106	313	212	392	510	628	775	873	947	1005
Trichur	5	17	19	26	30	37	55	72	79	84
Palghat	8	11	17	38	47	57	73	94	106	113
Malappuram	--	16	42	64	88	119	153	184	222	226
Kozhikode	26	71	73	137	98	127	140	151	161	164
Wynad	--	--	--	--	25	34	36	37	39	35
Cannanore	21	102	78	189	156	181	213	225	243	262
Kasarqode	--	--	--	--	17	17	22	31	43	51
Total	505	1566	1756	3041	3499	4305	5000	5681	6077	6439

NUMBER OF LICENSED DEALERS IN DIFFERENT STATES AT THE END OF EACH YEAR

STATE/TERRITORY (1)	1965-66 (2)	1970-71 (3)	1975-76 (4)	1980-81 (5)	1985-86 (6)	1986-87 (7)	1987-88 (8)	1988-89 (9)	1989-90 (10)	1990-91 (11)
Kerala	585	1566	1756	3841	3499	4325	5888	5681	6877	6439
Delhi	29	61	63	112	115	134	135	135	140	161
West Bengal	22	53	45	58	67	78	85	92	98	91
Punjab*	16	25	39	63	68	79	98	187	119	123
Haryana	--	--	--	--	17	28	23	22	29	34
Maharashtra	19	39	38	66	62	66	73	81	76	77
Tamil Nadu	14	31	75	238	148	149	173	183	197	192
Uttar Pradesh	3	7	18	35	46	44	52	52	55	59
Karnataka	--	1	8	15	22	27	45	52	54	51
Andhra Pradesh	--	1	1	4	2	2	1	--	--	--
Gujarat	--	3	7	8	6	11	15	19	19	21
Himachal Pradesh	--	3	1	1	--	--	--	--	--	--
Madhya Pradesh	--	--	1	1	--	3	5	3	4	3
Tripora	--	--	--	5	2	5	8	9	8	12
Andamans	--	--	--	--	2	4	6	6	6	5
Bihar	--	--	--	1	1	2	2	2	2	3
Rajasthan	--	--	--	1	--	--	1	1	2	2
Orissa	--	--	--	--	1	1	1	1	1	1
Assam	--	--	--	--	--	2	1	2	3	3
Mizoram	--	--	--	--	--	--	1	1	1	--
Meghalaya	--	--	--	--	--	--	3	1	2	2
Grand Total	688	1798	2836	3641	4844	4924	5888	6458	6886 ^a	7288 ^a

* Including Chandigarh also

^a: include one for J & K

TABLE - 38

DISTRIBUTION OF LICENSED DEALERS ACCORDING TO THEIR PURCHASE

PURCHASE IN METRIC TONNES		1965-66	1970-71	1975-76	1976-77	1977-78	1978-79	1981-82	1983-84	1985-86	1987-88
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
10 and below		217	1022	756	753	874	1352	1603	1425	1724	3134
Above 10 & upto & including	25	102	227	324	345	371	402	519	536	507	618
" 25	50	79	148	287	329	377	376	433	492	517	599
" 50	100	56	115	203	287	288	317	371	416	435	511
" 100	250	71	124	214	283	277	352	371	404	451	519
" 250	500	35	77	186	141	160	155	185	195	177	212
" 500	1000	27	47	94	98	99	94	109	110	117	128
Above 1000		21	30	52	80	79	87	79	90	116	96
Total		408	1790	2036	2316	2525	3135	3678	3668	4044	5008

TABLE - 39

AVERAGE DAILY EMPLOYMENT IN RUBBER PLANTATIONS

YEAR	NUMBER
1961	101776
1962	106363
1963	113528
1964	115595
1965	122481
1966	126958
1967	135104
1968	139795
1969	144423
1970	146591
1971	147902
1972	148040
1973	150909
1974	154214
1975	157754
1976	162661
1977	168475
1978	176925
1979	184320
1980	192578
1981	199775
1982	206790
1983	212613
1984	220000
1985	225000
1986	229000
1987	234000
1988	240000p
1989	247000p

Source: Ministry of Food and Agriculture (Govt. of India),
Govt. of Kerala and Rubber Board
p : Provisional

TABLE - 48

RECEIPTS OF THE RUBBER BOARD
(In '000 Rs.)

YEAR	Excise Duty on Rubber	Price difference on imported rubber	Repayment of new- planting/ main- tenance loan	Sales of rubber from experiment stations	Sales of planting materials from nurseries	Recovery of half cost of ferti- lisers	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1961-62	3366	63	--	--	38	22	63	3552
1962-63	7534	2185	--	--	149	38	78	9888
1963-64	5154	583	--	4	189	77	132	6141
1964-65	11356	23	--	13	318	141	496	12347
1965-66	13568	484	--	22	452	261	589	15368
1966-67	17428	6	--	46	657	269	812	19210
1967-68	16275	219	--	48	877	272	536	18219
1968-69	20528	--	--	78	482	376	643	22891
1969-70	21358	--	--	72	608	431	811	23272
1970-71	22799	--	--	88	567	432	755	24641
1971-72	27835	194	--	85	554	314	795	28977
1972-73	38448	Neg	--	186	672	585	756	32487
1973-74	31512	31	--	34	544	415	818	33354
1974-75	38141	--	--	179	488	598	958	40276
1975-76	36129	--	--	256	810	675	1331	39281
1976-77	48879	--	--	483	779	877	1584	52522
1977-78	53981	--	768	541	681	974	1747	58612
1978-79	57865	--	1832	818	957	1734	992	63398
1979-80	68586	--	1158	1381	1868	1578	1433	67196
1980-81	62463	--	862	1566	1489	1618	1974	69912
1981-82	68286	--	899	2184	1581	2897	2461	69588
1982-83	64128	--	978	2897	1991	2798	2621	75389
1983-84	69173	--	928	4135	2214	1841	2713	88996
1984-85	75691	--	688	4575	2247	1295	3469	87965
1985-86	96268	--	361	3988	2183	1837	6286	109955
1986-87	94191	--	326	3937	1898	262	8588	109186
1987-88	111682	--	271	4379	1453	63	9534	127382
1988-89	126676	--	121	5561	1261	24	12177	145828
1989-90	141599	--	188	5386	2535	73	14688	164313
1990-91p	147342	--	89	4623	2827	1	18955	165837

p : Provisional

EXPENDITURE OF THE RUBBER BOARD
('000 Rs)

DEVELOPMENT AND EXTENSION									
YEAR	Re-plant- ing subsidy (a)	New plant- ing subsidy (1979 scheme) (b)	New planting/ Replanting Subsidy (Rubber Plantation Devt. Scheme) (4)	New planting & main- tenance loan(b) (5)	Additional assistance to rubber small holders owning up to 6 hectares who participated in schemes under col (2) & (5)				Maintenance of Nurseries & distri- bution of planting materials (9)
					Free supply of planting materials (6)	Subsidy for fer- tilisers (c) (7)	Subsidy for soil conser- vation (8) (8)		
1961-62	2638	--	--	--	--	88	2	154	
1962-63	3287	--	--	--	--	116	2	455	
1963-64	3368	--	--	52	1	58	1	382	
1964-65	5246	--	--	116	2	448	1	363	
1965-66	6277	--	--	188	5	685	3	649	
1966-67	5159	--	--	178	3	611	3	758	
1967-68	6773	--	--	552	6	614	3	797	
1968-69	6292	--	--	851	13	682	1	353	
1969-70	5783	--	--	1251	96	888	2	787	
1970-71	5519	--	--	1858	47	1879	2	453	
1971-72	4561	--	--	859	22	791	1	521	
1972-73	4359	--	--	997	42	931	2	513	
1973-74	3484	--	--	745	56	886	5	394	
1974-75	4896	--	--	482	213	1225	6	598	
1975-76	6882	--	--	278	124	1686	5	761	
1976-77	10889	--	--	226	165	1885	7	742	
1977-78	11171	--	--	184	187	2364	11	721	
1978-79	14497	--	--	89	175	2975	21	1849	
1979-80	15948	383	--	89	254	3474	13	1213	
1980-81	12817	4987	128	38	482	5255	52	1522	
1981-82	12989	9994	9811	47	224	4743	6	1947	
1982-83	12176	7865	38868	25	81	4321	4	2333	
1983-84	7568	5748	42825	16	28	3188	--	2711	
1984-85	5688	4541	55328	12	18	1952	--	3292	
1985-86	5864	6256	82523	3	--	1882	4	2425	
1986-87	2124	3366	113448	--	5	22	--	3818	
1987-88	888	1863	188584	--	1	--	--	4868	
1988-89	361	1199	182657	--	--	--	--	5464	
1989-90	774	1435	85342	--	--	16	--	5566	
1990-91a	--	--	126850	--	--	--	--	7925	

Note: (a) discontinued-expenditure from 1980-81 refers to spill over
(b) discontinued-expenditure from 1979-80 refers to spill over.
(c) 50% of the amount recoverable. p : Provisional

TABLE - 41 (Contd..)

DEVELOPMENT AND EXTENSION (Contd...)

YEAR	Irrigation & boundary protection of small holdings (10)	Extension, Training and Supplies** (11)	Schemes for accelerating developments in non-traditional areas				Special Component Plan & Tribal Sub plan (16)	Admini- stration (17)	Total (18)
			North-East Region (12)	A & N Islands (13)	Eastern Region (14)	Western Region (15)			
1961-62	--	47	--	--	--	--	--	248	3161
1962-63	--	64	--	--	--	--	--	273	4117
1963-64	--	130	--	--	--	--	--	447	6351
1964-65	--	161	--	--	--	--	--	498	8835
1965-66	--	357	--	--	--	--	--	562*	8646
1966-67	--	615	--	--	--	--	--	732*	9859
1967-68	--	2893	--	--	--	--	--	1335	12883
1968-69	--	5368	--	--	--	--	--	1153	14633
1969-70	--	1588	--	--	--	--	--	1562	11781
1970-71	--	1098	--	--	--	--	--	1798	11846
1971-72	--	1208	--	--	--	--	--	1734	9697
1972-73	--	1397	--	--	--	--	--	2816	18257
1973-74	--	1422	--	--	--	--	--	2166	8998
1974-75	--	1378	--	--	--	--	--	2692	11482
1975-76	--	3987	--	449	--	--	--	3211	16495
1976-77	--	4721	--	461	--	--	--	3363	21579
1977-78	--	3241	--	432	--	--	--	3447	21758
1978-79	--	3434	--	487	--	--	--	3744	26473
1979-80	--	1949	--	452	--	--	--	4878	28565
1980-81	--	1641	--	534	--	--	--	6351	32839
1981-82	--	689	--	827	--	--	--	7619	48816
1982-83	--	885	--	1021	--	--	--	18353	69332
1983-84	--	1886	--	1134	--	--	--	12692	76910
1984-85	--	1135	1253	1573	--	--	--	14558	89326
1985-86	--	1498	6923	1328	--	--	115	18243	125456
1986-87	--	5436	18198	4438	274	--	3736	22862	169183
1987-88	1832	4982	8285	1712	676	--	8669	25689	167881
1988-89	1931	18446	13685	6489	1837	1829	13379	25811	183328
1989-90	1679	11828	18986	7839	791	1818	11147	28236	173849
1990-91p	898	18738	24374	8825	854	1365	6847	34363	222239

** Include cash subsidy granted to small holders - Rs. 1010730 in 1967-68, Rs. 4709276 in 1968-69 and Rs. 583963 in 1969-70.

* Excludes expenditure for extension activities.

p Provisional

TABLE - 41 (Contd...)

YEAR	Distribution of Rollers under hire- purchase scheme (19)	Subsidy to Co-ope- tives/small holders for con- struction of smoke houses (20)	PROCESSING AND MARKETING					Admini- stration ^e (25)	Total (26)
			share capital to co-ope- tives for establishing processing units & undertaking marketing of rubber (21)	Loan to Co-ope- tives for establish- ing test- ing labora- tories/ purchasing trucks (22)	Working Capital to co- operatives for under- taking marketing of rubber (23)	Other schemes and distri- bution of inputs (24)			
1961-62	--	--	--	--	--	--	--	--	--
1962-63	--	1	--	--	--	--	--	--	1
1963-64	--	22	--	--	--	--	--	--	22
1964-65	--	33	--	--	--	188	--	--	213
1965-66	12	7	75	--	--	387	--	--	481
1966-67	98	9	338	--	--	278	--	--	699
1967-68	72	2	58	--	--	258	--	--	374
1968-69	44	--	--	--	--	--	--	--	44
1969-70	52	--	135	--	--	158	--	--	337
1970-71	66	--	48	--	--	75	--	--	181
1971-72	26	--	25	--	--	58	--	--	181
1972-73	2	7	478	--	--	25	--	--	584
1973-74	43	--	388	--	--	388	--	--	643
1974-75	77	38	388	--	--	999	--	--	1486
1975-76	84	28	218	158	--	244	--	--	716
1976-77	65	28	418	258	--	97	--	--	858
1977-78	7	21	38	--	--	58	--	817	925
1978-79	225	56	198	--	--	122	--	1439	2848
1979-80	87	42	238	--	--	112	--	1382	1781
1980-81	122	55	269	158	--	525	--	1823	2144
1981-82	--	13	798	--	--	178	--	994	1975
1982-83	--	2	1824	158	--	1326	--	2984	5486
1983-84	--	--	548	--	--	499	--	1152	2191
1984-85	--	--	1285	388	--	153	--	948	2678
1985-86	--	--	758	--	--	388	835	2154	4839
1986-87	183c	862e	1976	--	--	138	862	3533	7554
1987-88	999c	1468e	--	--	--	--	1612	4131	8218
1988-89	994c	1773e	--	--	--	--	3685	3884	18256
1989-90	978c	1691e	1458	--	--	--	6387	3123	13541
1990-91p	995c	831e	1858	--	--	--	3423	4837	11136

c : Subsidy granted under new scheme
e : New scheme

* : Including pilot block rubber factory
p : Provisional

TABLE - 41 (Contd..)

YEAR	Research ^a (27)	Labour Welfare (28)	General Administration (29)	Plan (30)	Non-plan (31)	TOTAL (32)
1961-62	102	124	280	--	--	3959
1962-63	145	99	314	--	--	4690
1963-64	190	119	457	--	--	7269
1964-65	283	168	499	--	--	8499
1965-66	1014*	175	517	--	--	11732
1966-67	1102*	175	622	--	--	18717
1967-68	887	175	753	--	--	15046
1968-69	1153	208	864	--	--	16786
1969-70	941	186	1064	--	--	14266
1970-71	939	150	1294	--	--	13636
1971-72	970	203	1124	--	--	12526
1972-73	1213	212	1261	--	--	13725
1973-74	1320	221	1344	--	--	12835
1974-75	1951	174	1978	10133	7313	17446
1975-76	2628	299	2193	14836	9088	23124
1976-77	3199	301	2301	19056	10196	29252
1977-78	2926	358	2508	18505	11438	29943
1978-79	3847	317	2696	24688	12728	37416
1979-80	5372	408	2852	29338	11881	41219
1980-81	7660	489	3145	33686	15768	49446
1981-82	7718	499	3897	48835	17935	65970
1982-83	8986	605	4453	72035	20137	92172
1983-84	13060	660	5531	78072	25880	103952
1984-85	11509	631	6488	89160	25158	114318
1985-86	14588	805	7627	110864	49570	159634
1986-87	19524	1332	10950	155196	64116	219312
1987-88	20370	1506	11215	147470	71652	219122
1988-89	21132	1985	12429	166551	71569	238120
1989-90	28024	2305	14358	161482	83796	245258
1990-91 ^p	26001	2281	14813	218232*	83226	293458

^a : Excluding Research Component of col.12 . p : Provisional

* : Includes expenditure for extension activities

Including Administration and residential buildings (Rs 5,447,000)

Note: Col. (32) include expenditure for purchasing land and construction of buildings. Figures for 1971-72 onwards include CPF/Pension/Leave Salary Contribution and Advance to Employees.

TABLE - 42

PROGRESS IN DISTRIBUTION OF PLANTING MATERIALS
(DISTRIBUTED DIRECTLY BY RUBBER BOARD)

Year	Tjir 1 Clonal Seeds (Nos.) (1)	Tjir 1 Clonal Seedlings (Nos.) (2)	Indigenous Poly Clonal Seedlings (Nos.) (3)	PB16 GG1 & GG2 Seedling (Nos.) (4)	Budded Stumps (Nos.) (5)	Green budded Stumps (Nos.) (6)	Budwood (Matres) (Nos.) (7)	Poly bag Plants (Nos.) (8)
Upto 1960	23356671	98588	--	--	3289	--	4783	--
1961	688912	22825	--	--	25	--	2638	--
1962	4445344	68180	--	--	326	--	919	--
1963	2788850	356835	--	5320	31812	--	568	--
1964	2641345	253777	--	93990	82964	--	3784	--
1965	4195000	282270	--	172403	63215	--	2890	--
1966	3743745	289285	--	168409	62478	--	--	--
1967	8244751	54500	--	155002	73533	--	1787	--
1968	3087131	289328	14195	92377	181887	--	3067	--
1969	6393246	408528	18008	7099	198233	--	3178	--
1970	3142000	210500	88900	74800	398900	--	2525	--
1971	--	--	149868	250	446729	--	5519	--
1972	--	--	13130	180565	388657	--	4849	--
1973	--	--	25935	52898	349778	--	8999	--
1974	--	--	41285	--	498867	--	11346	--
1975	--	--	2600	--	612975	--	15190	--
1976	--	--	31055	--	744933	--	4442	--
1977	--	--	44963	--	622628	--	9348	--
1978	--	--	6090	--	578361	--	3899	--
1979	--	--	68565	--	868844	--	2482	--
1980	--	--	28980	--	871532	--	12014	4987
1981	--	--	81110	--	903668	77794	14916	551
1982	--	--	35060	--	788383	170733	11433	1870
1983	--	--	49405	--	743763	189681	18148	2852
1984	--	--	--	--	1812372	137887	12510	12459
1985	--	--	--	--	848443	171680	14291	12981
1986	--	--	--	--	1003694	276664	12725	53651
1987	--	--	--	--	833430	259439	31731	--
1988	--	--	--	--	513822	282287	22276	3509
1989	--	--	--	--	962035	7500	10394	3490
1990p	--	--	--	--	750515	105810	18000	2808

p : Provisional

- Note: 1. During 1967, the Board had also distributed 53,464 germinated PB16/68 Seeds.
 2. The approval for planting Tjir 1 clonal seeds and seedlings has been withdrawn by the Board since 1971.
 3. During 1978, 172851, and during 1982, 1825 stumped buddings were distributed.

TABLE - 43

PROGRESS OF CO-OPERATIVE SOCIETIES DEALING IN RUBBER

YEAR	No. of Societies	Rubber Marketed (in tonnes)
(1)	(2)	(3)
1963-64	6	275
1964-65	11	660
1965-66	16	1778
1966-67	18	3027
1967-68	23	5990
1968-69	23	3978
1969-70	25	4284
1970-71	37	10651
1971-72	58	14510
1972-73	58	18513
1973-74	60	7045
1974-75	62	4350
1975-76	62	5545
1976-77	64	9866
1977-78	54	7878
1978-79	52	6875
1979-80	50	10200
1980-81	53	9336
1981-82	54	11067
1982-83	58	11077
1983-84	59	11984
1984-85	60	12960
1985-86	62	21036
1986-87	116	24651
1987-88	116	25405
1988-89	118	29152
1989-90	118	29511
1990-91	118	28846

TABLE - 44

INDEX NUMBERS OF AGRICULTURAL PRODUCTION
(Base: Triennium ending 1981-82=100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1965-66	33.3	85.4	45.8	56.2	61.4	29.5	68.6	68.9	63.7
1966-67	36.1	67.1	56.3	59.7	61.1	32.4	68.8	66.6	63.8
1967-68	42.5	68.6	41.2	58.9	75.5	47.8	78.3	75.2	77.1
1968-69	46.9	71.9	52.7	63.9	79.5	49.7	76.3	73.7	75.3
1969-70	54.1	78.2	45.6	62.8	88.8	57.1	81.6	78.3	80.4
1970-71	60.8	74.7	79.1	73.2	84.4	67.7	87.9	82.6	85.9
1971-72	66.7	77.8	49.5	78.4	86.6	75.1	86.1	83.7	85.2
1972-73	74.2	81.4	65.4	77.1	78.9	78.3	79.1	76.4	78.2
1973-74	82.6	84.3	62.0	79.7	88.6	61.9	85.3	88.6	86.5
1974-75	85.8	87.4	66.4	83.1	79.6	68.5	81.8	89.2	84.8
1975-76	90.9	86.9	60.3	82.5	98.8	82.8	98.8	91.9	96.2
1976-77	98.7	91.3	73.4	89.1	84.3	82.5	89.6	88.8	89.3
1977-78	97.0	99.3	89.7	97.8	105.9	90.3	103.8	99.4	101.6
1978-79	89.3	100.6	79.2	94.6	108.1	100.9	107.8	101.6	105.0
1979-80	98.0	98.5	107.4	100.1	85.1	90.5	87.5	90.8	88.7
1980-81	101.1	101.6	85.1	98.4	107.8	103.2	104.9	97.4	102.1
1981-82	100.9	99.9	107.6	101.5	107.8	106.4	107.6	111.8	109.2
1982-83	109.5	108.8	93.2	100.3	94.7	121.5	103.7	106.6	104.8
1983-84	115.7	103.7	75.3	100.3	128.8	129.2	122.8	111.5	118.6
1984-85	123.1	114.1	140.4	128.7	117.3	125.2	117.5	118.6	117.9
1985-86	132.3	117.8	87.7	114.8	128.7	133.6	123.4	113.8	119.6
1986-87	144.9	118.7	137.8	121.7	122.1	125.9	116.9	112.4	115.2
1987-88	155.2	118.6	88.1	119.8	114.6	131.1	113.5	118.1	115.2
1988-89	171.1	125.8p	154.1p	138.4p	142.4	153.4	138.4	141.2p	139.4p

p : Provisional
Source: Directorate of Economics & Statistics, Ministry of Agriculture

TABLE - 45

INDEX NUMBERS OF PRODUCTIVITY
(Base: Triennium ending 1969-70 = 100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1965-66	77.2	95.1	99.2	94.1	81.5	72.6	81.3	89.5	84.2
1966-67	83.1	96.8	122.8	98.4	81.7	78.1	82.5	98.9	85.3
1967-68	94.6	100.2	89.5	98.7	97.7	97.0	99.9	101.3	100.4
1968-69	95.1	101.4	112.9	102.3	101.3	96.5	98.1	98.3	98.2
1969-70	106.2	98.4	97.6	99.0	101.0	106.5	102.0	100.4	101.4
1970-71	112.2	104.5	162.0	111.3	105.8	115.0	109.4	104.8	107.9
1971-72	116.5	108.0	99.2	108.0	108.0	121.4	107.7	106.7	107.5
1972-73	124.8	112.4	123.6	114.9	101.2	111.8	101.2	100.4	108.9
1973-74	130.0	115.9	110.0	116.7	100.9	103.2	104.9	109.2	106.3
1974-75	130.9	119.6	118.0	120.5	98.9	117.8	102.2	100.9	104.4
1975-76	132.8	118.5	97.4	117.4	116.9	124.1	117.1	112.4	115.6
1976-77	138.7	124.2	108.0	123.5	103.0	122.1	108.9	108.9	109.0
1977-78	132.4	134.2	129.4	133.3	123.7	130.3	122.1	114.8	119.5
1978-79	122.6	135.0	112.0	131.7	125.7	138.0	125.5	115.7	122.2
1979-80	132.8	130.5	149.2	133.7	101.6	126.4	106.2	110.1	107.6
1980-81	135.8	131.0	112.3	129.4	126.3	143.4	125.7	116.5	122.7
1981-82	134.2	128.7	137.5	130.6	123.7	148.8	126.3	121.1	125.7
1982-83	143.0	125.6	114.1	125.7	116.4	159.7	125.6	118.9	123.3
1983-84	147.0	129.7	89.8	125.6	137.7	162.1	141.1	124.3	135.6
1984-85	152.6	141.9	166.1	146.7	133.9	164.5	138.5	133.5	136.8
1985-86	154.6	144.9	101.1	139.3	147.1	180.0	144.8	128.8	139.5
1986-87	159.5	133.1	157.6	139.9	139.4	168.6	138.2	129.4	135.3
1987-88	162.6	141.8	101.0	138.4	138.9	176.1	141.5	131.6	138.1
1988-89	167.8	149.5p	176.5p	155.9p	160.1	197.1	161.4	144.8p	155.7p

Source : Directorate of Economics & Statistics, Ministry of Agriculture.
p : Provisional

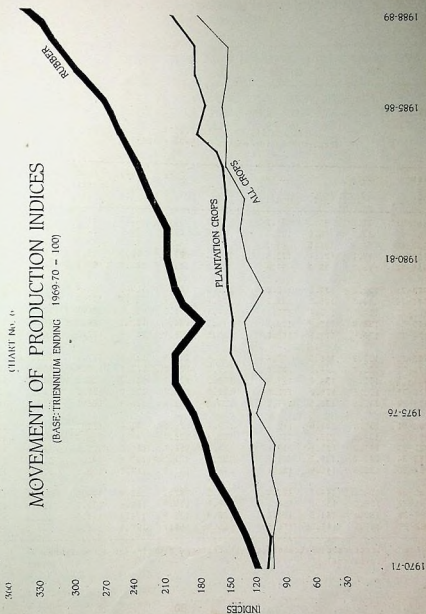


TABLE - 46

INDEX NUMBERS OF WHOLESALE PRICES OF SELECTED COMMODITIES
(Base : 1970-71=100)

COMMODITIES (1)	1981-82 (2)	1982-83 (3)	1983-84 (4)	1984-85 (5)	1985-86 (6)	1986-87 (7)	1987-88 (8)	1988-89 (9)
Rice	226.1	256.9	292.0	273.3	284.4	302.1	325.9	363.7
Wheat	191.6	214.1	218.0	289.6	225.9	238.6	258.8	282.0
Tapioca	239.5	351.0	392.3	285.8	409.9	492.1	441.4	433.7
Bananas	263.4	258.7	296.3	358.1	362.8	432.3	449.0	472.7
Cashewnuts	493.6	397.3	442.7	542.2	625.7	803.9	833.5	829.6
Black pepper	209.3	193.1	241.4	374.6	605.1	785.0	782.5	589.5
Tea	242.9	287.6	441.0	494.3	412.9	423.0	420.5	438.7
Coffee	139.0	142.1	175.0	216.0	221.9	228.1	249.8	263.2
Raw Cotton	227.3	199.4	221.6	261.0	215.5	184.7	299.1	386.3
Raw jute	137.3	163.2	234.6	519.5	273.2	174.7	283.5	259.4
Sugarcane	189.9	198.6	200.0	208.1	229.6	251.4	265.0	282.2
Tobacco Raw	138.0	188.1	238.9	198.0	200.0	238.0	297.0	285.9
Petrol	505.5	517.5	522.7	531.3	612.2	642.6	668.6	734.0
Rubber	301.2	296.6	359.4	333.6	349.2	336.5	358.8	379.9
Synthetic rubber	190.1	199.6	201.5	224.1	252.6	275.5	291.1	300.9
Rubber Products	204.1	306.1	316.6	335.3	360.6	381.6	398.6	414.0
Tyres & Tubes	291.0	315.5	325.2	344.7	372.3	389.2	409.0	424.0
Camel back	263.8	284.4	291.6	294.4	294.8	300.9	312.6	335.9
Rubber & Plastic Shoes	158.4	161.5	162.6	164.1	164.1	201.7	208.6	220.0
Rubber belting	291.0	301.4	323.8	363.0	396.1	435.3	448.0	454.6
Moses	399.5	426.2	461.6	473.7	502.0	562.9	565.5	624.7
Sponge Rubber	259.3	282.4	282.4	282.4	282.4	282.4	282.4	282.4
Fertilisers	273.6	277.7	267.5	262.5	266.9	288.8	288.5	288.4
Insecticides	351.0	396.2	425.9	430.6	441.0	469.3	493.2	525.4
Rubber Chemicals	418.3	462.0	486.3	498.0	507.2	651.5	686.3	747.0
Carbon black	664.0	685.7	678.6	689.3	826.4	826.4	851.4	920.5
Transport Equipments	298.0	308.7	307.4	323.6	372.2	389.7	413.7	469.9
Cars	363.1	375.5	383.2	405.4	427.0	492.0	517.3	573.1
Trucks	312.6	316.3	305.1	322.9	367.4	398.5	428.0	476.0
Buses	300.3	308.8	298.2	286.4	310.6	310.6	310.8	332.8
Scooters	244.7	260.9	263.0	279.3	310.5	327.4	330.7	348.0
Cycles	198.4	206.6	216.5	234.2	264.6	267.1	279.8	463.2
Manufactured Products	278.6	272.1	295.0	319.5	342.6	359.4	384.4	414.4
All Commodities	281.3	288.6	316.0	338.4	357.8	376.8	405.4	435.3

Note: The base year has been changed to 1981-82=100 from 1971-72=100 from July 89 onwards
Source : Office of the Economic Adviser, Ministry of Industry

TABLE - 47

AREA, PRODUCTION, CONSUMPTION, IMPORT AND EXPORT OF
NATURAL RUBBER FROM 1902 TO 1950

YEAR	Area (Ha)	Production (Tonnes)	Consumption (Tonnes)	Import (Tonnes)	Export (Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)
1902	200	--	--	--	--
1910	11900	80	--	--	--
1925	30900	6400	--	--	--
1930	32323	6528	--	--	--
1935	49633	12498	--	458	15723*
1936	50426	13811	--	311	15296*
1937	50856	14649	7287	3250	9719
1938	52642	14091	5740	2357	9065
1939	54348	14238	7124	3395	10581
1940	55970	16117	11224	3380	9056
1941	55982	15602	13461	5915	6647
1942	56027	16218	14628	548	567
1943	57955	16671	10801	847	1231
1944	58681	17629	12304	32	3048
1945	61612	16690	15477	62	2298
1946	62521	15967	14262	172	304
1947	62987	14681	17272	1745	--
1948	65376	15669	20035	6240	6
1949	67913	15836	19499	1404	836
1950	69001	15849	18019	4170	964

* Including Burma also - : Not available
 Note: Figures under Col. (5) and (6) relate to financial year.
 Source: (i) For figures up to 1947 - Indian Rubber Statistics
 published by the Govt. of India
 (ii) For figures 1948, 49 & 50 - Rubber Board

WORLD RUBBER STATISTICS

TABLE - 48

AREA UNDER RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Hectares)

TERRITORY (1)	End of (2)	Holdings (3)	Estates (4)	Total (5)
Indonesia	1989	2589	522	3111
Malaysia	1989	1488	369	1857
Thailand	1989	1678	69	1747
China*	1989	NA	NA	587
India	1989	367	74	441
Sri Lanka	1989	112	87	199
Brazil*	1989	138	59	197
Nigeria	1982	NA	NA	185
Liberia	1973	43	77	120
Viet-Nam	1983	NA	NA	115
Zaire	1959	25	68	93
Myanmar	1989	NA	NA	83
Philippines	1983	--	58	58
Cote d'Ivoire	1989	18	41	59
Cameroon	1987	1	41	42

Note : Estate areas refer to holding of 40 ha. and over
in most cases.

* Estimated figures NA Not available

Source : International Rubber Study Group

TABLE - 49

PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Metric Tonnes)

COUNTRY (1)	1970 (2)	1975 (3)	1980 (4)	1981 (5)	1982 (6)	1983 (7)	1984 (8)	1985 (9)	1986 (10)	1987 (11)	1988 (12)	1989 ^a (13)	1990 ^a (14)
Malaysia	1269.2	1459.3	1530.1	1510.2	1494.2	1563.7	1530.6	1465.5	1538.6	1578.7	1661.6	1415.3	1291.5
Indonesia	815.2	822.5	1020.0	867.5	880.0	997.2	1115.6	1130.2	1049.2	1203.3	1235.0	1256.0	1175.0
Thailand	289.7	355.0	501.1	584.8	552.0	587.2	628.6	723.8	788.2	925.6	978.9	1178.9	1222.0
Sri Lanka	159.2	148.8	133.2	123.9	126.2	140.0	141.9	137.5	137.8	121.8	122.4	110.7	113.1
Vietnam ^a	28.5	22.0	45.8	45.3	44.9	84.0	47.0	52.5	54.0	68.8	66.0	67.0	70.0
Comodia	12.8	10.0	NA	5.0	9.0	12.0	13.4	22.0	24.0	25.0	26.5 ^a	28.0 ^a	40.0 ^a
India	89.9	136.0	155.4	150.7	165.9	168.0	183.9	198.3	219.0	227.4	254.8	288.6	323.5
China ^a	--	68.6	113.0	127.7	152.6	172.4	188.8	187.9	209.7	237.6	248.0	248.0	268.0
Brazil	25.0	19.3	27.8	30.3	32.8	35.2	36.0	40.4	32.6	26.6	32.9	33.0	34.0 ^a
Liberia	81.4	82.8	77.5	72.2	68.0	76.5	86.4	84.4	88.7	93.8 ^a	100.4 ^a	115.0 ^a	50.0 ^a
Nigeria ^a	65.3	67.8	47.0	48.5	47.0	50.0	51.0	51.6	36.0	35.3	88.5	118.4	140.9
Total ^a	3103	3315	3650	3700	3750	4030	4255	4400	4490	4650	5110	5250	5100

^a : Estimated NA : Not available separately p : Provisional

^a : Including other countries not reported separately

Source : Rubber Statistical Bulletin^a of International Rubber Study Group

TABLE - 5B

CONSUMPTION OF NATURAL RUBBER IN MAIN CONSUMING COUNTRIES
(In Thousand Metric Tonnes)

COUNTRY (1)	1970 (2)	1975 (3)	1980 (4)	1981 (5)	1982 (6)	1983 (7)	1984 (8)	1985 (9)	1986 (10)	1987 (11)	1988 (12)	1989 (13)	1990 ^a (14)
U.S.A.	566.3	665.9	585.0	635.0	585.0	665.0	750.7	764.0	743.0	789.0	850.3	866.9	827.5
U.S.S.R.*	NA	NA	NA	NA	NA	NA	NA	210.0	170.0	165.0	100.0	140.0	155.0
Japan	283.0	285.2	427.0	436.0	439.0	504.0	525.0	539.5	535.0	560.0	623.0	657.0	677.0
China*	207.5	225.0	340.0	275.0	305.0	365.0	402.0	415.0	440.0	545.0	600.0	645.0	600.0
F.R.Germany*	200.7	197.1	179.7	169.1	171.2	179.5	190.0	202.2	190.7	190.5	203.6	221.1	210.6
U.K.	195.2	170.5	130.0	120.0	110.0	120.0	110.0	126.0	130.0	134.0	140.0	132.5*	136.0*
France	150.2	156.2	107.7	169.0	150.0	163.0	162.0	156.0	150.7	170.0	191.0	194.0	177.7
India	06.5	129.1	170.0	181.9	197.0	205.4	212.5	232.7	251.7	277.6	311.1	333.2	350.4
Italy	113.0	110.0	132.0	123.0	123.0	111.0	117.0	127.0	133.0	136.0	140.0	143.0	130.0
Canada	50.6	72.3	00.0	02.0	76.0	07.0	102.0*	95.0	06.0	90.0	02.5*	04.9	04.0*
Korea Republic*	NA	NA	NA	NA	NA	NA	NA	155.0	100.0	200.0	235.0	230.0	246.0
Taiwan*	NA	NA	NA	NA	NA	NA	NA	04.0	105.0	105.0	150.0	100.0	90.0
Brazil	36.7	50.7	01.1	74.4	67.0	70.2	00.7	97.6	105.6	115.4	125.3	124.2	114.0*
Total**	2990	3360	3760	3695	3655	3990	4230	4460	4470	4000	5140	5310	5260

* : Estimated; P : Provisional; NA : Not available separately @ : Former Federal Republic

** : Including other countries not reported separately

Source : "Rubber Statistical Bulletin" of the International Rubber Study Group.

PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Metric Tonnes)

COUNTRY (1)	1970 (2)	1975 (3)	1980 (4)	1981 (5)	1982 (6)	1983 (7)	1984 (8)	1985 (9)	1986 (10)	1987 (11)	1988 (12)	1989 (13)	1990 ^a (14)
U. S. A.	2232.3	1989.5	2214.8	2225.1	1817.2	1987.4	2218.6	2026.8	2119.1	2182.1	2334.7	2261.4	2114.5
U. S. S. R.*	808.8	1608.8	2048.8	2808.8	1958.8	1978.8	2085.8	2125.8	2328.8	2366.8	2435.8	2288.8	2365.8
Japan	697.5	788.7	1094.1	1818.3	938.7	1082.5	1168.8	1158.8	1158.1	1191.9	1298.8	1351.9	1426.1
F.R. Germany ^b	381.9	315.9	389.9	396.8	383.8	418.8	437.6	447.6	452.5	468.4	492.8	505.2	542.3
France	315.9	358.4	518.8	487.3	479.4	514.1	551.2	544.2	542.1	538.4	568.1	587.8	521.9
U.K.	315.6	268.8	211.8	226.2	246.3	262.3	237.2	232.6	249.2	257.8	312.8	311.4	298.8
Italy*	155.8	288.8	258.8	235.8	218.8	228.8	215.8	225.8	235.8	245.8	268.8	295.8	388.8
Netherlands	288.8	215.9	211.7	218.8	202.7	196.8	287.4	234.7	289.4	284.8	188.8	213.3	236.3
Belgium*	58.8	65.8	115.8	188.8	188.8	188.8	182.8	92.3	94.4	162.9	126.8	128.8	116.8
Canada	285.4	173.3	252.8	263.3	181.7	182.8	217.8	289.2	187.1	179.8	197.8	188.8	189.8
Germany D.R. ^b	118.8	143.9	163.8	155.8	148.8	161.8	163.8	157.8	119.8	98.7	149.2	146.8	88.8
China*	35.8	56.7	123.8	124.9	136.8	167.8	173.4	171.3	186.6	218.1	258.7	289.1	315.5
Brazil	75.5	128.8	249.1	222.9	228.1	228.9	258.4	265.9	278.8	258.8	283.8	256.7	252.8
India	38.3	23.8	22.5	28.7	31.6	31.1	37.6	36.8	34.8	43.6	49.4	54.5	55.2
Mexico	43.7	68.8	98.8	184.3	188.3	123.6	139.4	145.7	139.8	157.8	148.8	134.2	128.5
Korea Republic ^a	NA	NA	NA	NA	NA	NA	NA	188.8	128.5	141.8	169.8	168.5	227.2
Poland	61.7	187.9	117.9	111.1	99.9	119.7	119.4	126.8	116.1	116.7	127.6	125.2	183.8
Taiwan*	NA	NA	NA	NA	NA	NA	NA	185.8	124.1	125.8	136.2	138.6	141.8
Romania	61.2	98.9	158.4	145.7	137.5	147.2	159.3	153.9	172.6	152.1	161.8	149.8	182.8
Total +	5893	6855	8698	8525	7825	8275	9848	8968	9268	9468	18168	18838	9978

* : Estimated, NA : Not Available separately, + : Including other countries not reported separately

° : Former Federal Republic and Democratic Republic respectively

Source: "Rubber Statistical Bulletin" of International Rubber Study Group

TABLE - 52

CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES
(In Thousand Metric Tonnes)

COUNTRY (1)	1970 (2)	1975 (3)	1980 (4)	1981 (5)	1982 (6)	1983 (7)	1984 (8)	1985 (9)	1986 (10)	1987 (11)	1988 (12)	1989 (13)	1990 ^p (14)
U. S. A	1948.6	1963.7	1980.8	2022.0	1765.0	1882.5	2062.3	1962.8	2019.6	2017.3	2016.0	2051.0	1820.8
U.S.S.R.*	NA	NA	NA	NA	NA	NA	NA	2115.0	2235.0	2380.0	2375.0	2280.0	2348.0
Japan	496.0	504.8	885.0	851.0	797.0	851.0	915.0	947.5	910.8	946.0	1042.0	1103.0	1133.0
F.R. Germany ^q	358.1	359.9	421.3	396.2	386.9	395.8	403.0	411.3	426.0	453.4	471.0	476.0	501.6
France	260.9	277.7	341.9	303.4	263.2	276.6	287.0	311.0	315.0	316.4	315.0	358.0	351.5
U.K	277.5	266.3	298.2	247.0	232.0	228.0	195.0	201.0	195.0	216.0	226.5	240.0	251.0
Italy	197.0	220.0	280.0	265.0	258.0	245.0	263.0	276.5	285.0	299.0	312.0	325.0	309.5
China ^q	47.5	53.0	155.0	155.0	170.0	180.0	211.0	243.0	270.0	285.0	290.0	330.0	347.0
Brazil	85.4	176.3	243.0	201.3	194.7	199.2	223.0	234.9	254.6	273.6	282.9	284.5	280.0
Korea Republic ^q	NA	NA	NA	NA	NA	NA	NA	145.0	170.0	215.0	255.0	235.0	252.0
Canada ^q	135.5	179.3	200.0	210.0	182.0	195.0	200.0	173.0	190.2	210.0	202.0	191.1	180.0
Taiwan ^q	NA	NA	NA	NA	NA	NA	NA	95.0	130.0	145.0	155.0	145.0	160.0
India	31.0	32.0	46.2	43.6	50.0	53.0	57.3	70.4	69.4	75.0	82.9	91.0	96.9
Total +	5635	7020	8700	8545	7905	8300	8953	9000	9200	9590	10000	10250	9050

* Estimated, NA : Not Available separately, p : Provisional, q : former Federal Republic

+ Including allowances for discrepancies in officially

reported statistics and those countries not reported separately

Source: "Rubber Statistical Bulletin" of International Rubber Study Group

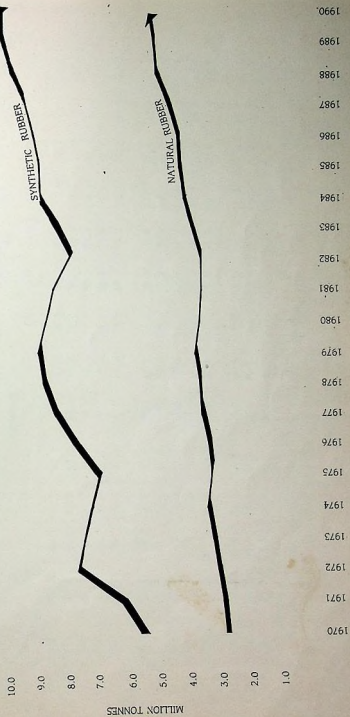
TABLE - 53

PRODUCTION, CONSUMPTION AND STOCK OF NATURAL AND SYNTHETIC RUBBER
(In Thousand Metric Tonnes)

Year	NATURAL RUBBER			SYNTHETIC RUBBER				
	Production	Consumption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year	Production	Consumption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1976	3585	3505	+ 80	1635	8025	7915	+ 110	1765
1977	3615	3715	- 100	1535	8615	8615	Nil	1765
1978	3745	3725	+ 20	1555	8910	8770	+ 140	1905
1979	3860	3870	- 10	1565	9330	9125	+ 205	2110
1980	3850	3760	+ 90	1635	8690	8780	- 90	1910
1981	3700	3695	+ 5	1635	8525	8545	- 40	1890
1982	3750	3655	+ 95	1725	7825	8035	- 160	1730
1983	4030	3950	+ 40	1760	8275	8360	- 25	1705
1984	4255	4230	+ 25	1785	9040	8925	+ 90	1790
1985	4480	4460	- 60	1730	8960	9000	- 40	1750
1986	4490	4470	+ 20	1750	9260	9280	- 20	1730
1987	4850	4800	+ 50	1800	9460	9590	- 130	1600
1988	5130	5140	- 10	1790	10160	10000	+ 160	1760
1989	5250	5310	- 60	1730	10030	10050	+ 20	1740
1990	5100	5260	- 160	1570	9970	9850	+ 120	1860

CHART No. 10

WORLD CONSUMPTION OF NATURAL RUBBER AND SYNTHETIC RUBBER



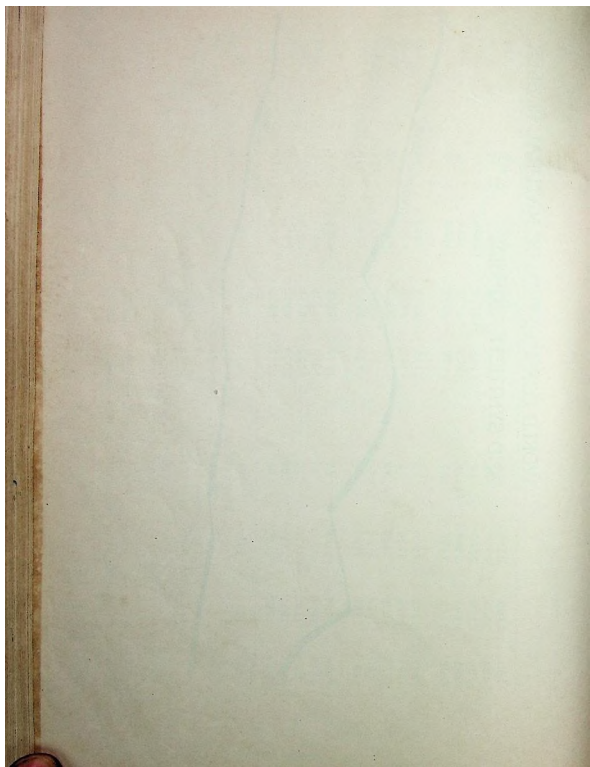


TABLE - 5A

CONSUMPTION OF SYNTHETIC RUBBER AS PERCENTAGE TO TOTAL CONSUMPTION
OF NATURAL & SYNTHETIC RUBBER IN MAJOR CONSUMING COUNTRIES

YEAR	U.S.A.	U.S.S.R.	U.K.	France	F.R. Germany	Italy	China(p)	Aus- tralia	Brazil	Canada	India	Japan	World
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1970	77.4	NA	58.7	62.3	64.1	63.6	18.6	57.3	69.9	72.0	26.9	63.7	65.3
1975	74.7	NA	61.0	64.0	64.6	65.1	19.6	58.1	75.0	71.3	19.9	67.2	67.6
1980	77.2	NA	65.5	64.6	70.1	69.6	31.3	59.2	75.0	71.4	21.3	67.4	70.0
1981	76.1	NA	66.4	64.2	70.1	68.3	36.0	58.0	73.0	71.9	19.4	66.1	69.8
1982	75.1	NA	66.3	62.8	69.3	67.0	35.8	60.7	74.2	70.5	20.2	64.5	68.7
1983	73.9	NA	68.7	62.9	68.8	68.9	33.0	58.2	73.9	69.2	20.4	62.8	67.5
1984	73.3	NA	62.3	63.9	68.0	69.1	34.4	57.0	71.5	67.1	21.2	63.5	67.9
1985	72.0	91.0	61.5	66.7	67.0	68.5	37.1	56.4	70.6	64.6	23.2	63.7	66.9
1986	73.1	92.9	60.0	66.5	68.2	68.2	38.0	61.2	70.7	68.9	21.6	63.0	67.5
1987	71.9	93.3	61.7	65.0	69.6	68.7	32.7	58.0	78.3	68.2	21.4	62.5	66.6
1988	70.1	96.0	61.8	63.5	69.8	69.0	32.6	58.5	69.3	71.0	21.0	62.6	63.1
1989	70.3	94.2	64.4	66.1	68.3	69.4	33.8	57.1	69.6	69.2	21.6	62.7	65.4
1990	69.3	93.8	64.9	66.4	69.6	71.1	36.6	59.4	71.6	68.2	21.3	62.6	65.2

P: Provisional, N.A: Not Available, &: Former Federal Republic

Source: "Rubber Statistical Bulletin" of International Rubber Study Group

TABLE - 55

ESTIMATED PERCAPITA CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER
(KG.)

Country (1)	1954 (2)	1960 (3)	1965 (4)	1970 (5)	1975 (6)	1981 (7)	1985 (8)	1986 (9)	1987 (10)	1988 (11)	1989 (12)
U S A	7.71	8.76	10.75	12.28	12.31	11.56	11.55	11.67	11.51	11.67	11.84
Canada	4.76	5.16	7.17	8.73	11.07	12.05	10.56	10.78	12.01	10.94	10.52
F.R.Germany	3.04	4.77	6.21	9.20	9.01	9.17	10.05	10.23	10.66	11.03	11.25
France	3.36	4.85	5.68	8.26	8.22	8.54	8.48	8.31	8.81	8.88	10.12
U.K.	5.08	5.74	6.81	8.33	7.82	6.09	6.43	6.43	6.15	6.41	6.51
Japan	1.07	2.47	3.81	7.47	7.80	10.94	12.32	11.89	12.40	13.58	14.29
Australia	5.17	6.17	6.53	7.50	7.26	6.69	5.21	4.94	5.17	5.87	6.04
Netherlands	2.00	2.84	3.37	5.20	5.82	6.02	4.90	4.76	5.05	5.35	5.09
Italy	1.41	2.68	3.85	5.78	6.05	6.78	7.07	7.31	7.58	7.87	8.14
Brazil	0.68	0.68	0.80	1.32	2.21	2.27	2.46	2.60	2.75	2.82	2.77
China	0.08	0.16	NA	0.34	0.31	0.38	0.62	0.63	0.74	0.81	0.85
India	0.07	0.12	0.18	0.22	0.27	0.33	0.40	0.42	0.45	0.49	0.52
NA : Not Available											

TABLE - 56

WORLD PRICE OF NATURAL RUBBER
(Average price for RSS 3 per 100 Kq.)

YEAR (1)	LONDON [C.I.F.]		NEW YORK		KUALALUMPUR		INDIA	
	Pound Sterling (2)	Equivalent Rate in Rs. (3)	US Dollars (4)	Equivalent Rate in Rs. (5)	Malaysian Ringgit (6)	Equivalent Rate in Rs. (7)	Rs. (8)	
1976	46.02	750	83.76	754	189.70	574	620	
1977	49.34	756	88.03	768	194.00	562	630	
1978	54.84	850	107.26	882	222.50	789	885	
1979	62.53	1072	138.61	1126	271.10	1011	1024	
1980	63.76	1170	156.47	1247	298.70	1083	1154	
1981	53.38	938	115.97	1012	230.80	872	1423	
1982	49.37	819	95.15	903	181.30	759	1473	
1983	73.00	1120	120.43	1220	238.80	1042	1672	
1984	73.26	1110	107.20	1219	214.70	1040	1689	
1985	61.15	980	84.68	1112	179.80	890	1694	
1986	57.09	1057	92.59	1170	202.10	988	1670	
1987	62.23	1321	108.03	1404	235.80	1214	1766	
1988	69.25	1717	117.96	1644	301.20	1680	1811	
1989	61.06	1623	107.29	1740	247.70	1486	2040	
1990	51.24	1604	97.18	1704	220.40	1424	2147	

Note: In the case of India price refers to RNA-4 grade rubber
at Kottayam market.

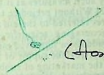


R 120/1
George 9/12

VOLUME 20

1993

INDIAN RUBBER STATISTICS

 (A. Panikkar)

Compiled by
THE STATISTICS AND PLANNING DIVISION
Rubber Board

THE RUBBER BOARD
(MINISTRY OF COMMERCE, GOVT. OF INDIA)
KOTTAYAM 686 001 INDIA

ABOUT THE RUBBER BOARD

The Rubber Board is a statutory body constituted under the Rubber Act, 1947.

The functions of the Board as defined under the Act are :—[1] to promote by such measures as it thinks fit the development of the rubber industry [2] Without prejudice to the generality of the foregoing provision the measures referred to therein may provide for:— [a] undertaking, assisting or encouraging scientific, technological or economic research : [b] training students in improved methods of planting, cultivation, manuring and spraying; [c] the supply of technical advice to rubber growers; [d] improving the marketing of rubber; [e] the collection of statistics from owners of estates, dealers and manufacturers, [f] securing better working conditions and [g] carrying out any other duties which may be vested in the Board under rules made under this Act.

It shall also be the duty of the Board— [a] to advise the Central Government on all matters relating to the development of the rubber industry, including the import and export of rubber [b] to advise the Central Government with regard to participation in any international conference or scheme relating to rubber; [c] to submit to the Central Government and such other authorities as may be prescribed, half-yearly reports on its activities and the working of this Act; and [d] to prepare and furnish such other reports relating to the rubber industry as may be required by the Central Government from time to time.

FROM THE CHAIRMAN

Collection of rubber statistics is one of the basic objectives of the Rubber Board. This publication, which is the 20th in the series, has been compiled from the statistics thus collected.

The statistics published in the volume is compiled not only from the Board's records but also from various other sources as indicated in the tables.

Suggestions for improving this publication will be appreciated.

Readers interested in the latest statistics of production, consumption, import, price etc. of rubber may refer to the 'Rubber Statistical News' (Monthly) issued by the Board.

The co-operation extended by producers of natural, synthetic and reclaimed rubber, dealers and processors of natural rubber and manufacturers of rubber goods and various organisations connected with the industry for making available the data is gratefully acknowledged.

I wish to record my appreciation of the valuable service rendered by Sri. R. G. Unny, Deputy Director and his team of officers in Statistics & Planning Division in compiling the publication. In-house computer facilities have been used to update the various statistical tables which would facilitate timely release of the brochure annually in future.

Kottayam-1,
30th Sept.1993.

J. LALITHAMBIKA
Chairman

ON INDIAN RUBBER STATISTICS BY OTHERS

Dr L. BATEMAN D. Sc FRs
SECRETARY GENERAL
INTERNATIONAL RUBBER STUDY GROUP

LONDON
7th July, 1980

"My colleagues and I are most impressed by the 'Indian Rubber Statistics [1980]'. It is certainly one of the most comprehensive and detailed statistical records of the rubber industry in a natural rubber producing country [and indeed in almost any country] that we know of, and its value is correspondingly high. It reflects immense hard work and application by those responsible for the compilation, and we are happy to express our unreserved appreciation".

[Sd /-]
L. BATEMAN

[Note: 'International Rubber Study Group' is an intergovernmental organisation comprising 26 member Governments. The object of the Group is to provide a forum for the discussion of problems affecting the production and consumption of, and trade in, natural and synthetic rubbers, and to collect and disseminate comprehensive statistical information thereon.]

Dr. MOELJONO PARTOSOEDARSO
REGIONAL ADVISER ON RAW MATERIALS
AND COMMODITIES
ESCAP, UNITED NATIONS

BANGKOK
14th July, 1980

'Indian Rubber Statistics [1980]' has been very well and comprehensively prepared. It is certainly a useful publication both for the rubber industry in India as well as to all other rubber producing countries and Members of the ANRPC.

Sd /-
MOELJONO PARTOSOEDARSO

"Reliable and dependable statistics is a crying need in this Country. This want is acutely felt in regard to agricultural commodities.....Fortunately this is not the case with rubber production.It is a publication which is very expertly brought out".

COMMERCE
October 2, 1976.

IN RETROSPECT

Area, production and productivity

The progress of the rubber plantation industry continued to be impressive. Production of natural rubber(NR), which was 329,615 tonnes during 1990-91, improved to 366,745 tonnes during 1991-92 and again to 393,490 tonnes during 1992-93. The growth during 1991-92 was 11.3% and during 1992-93 7.3%. The continuous and heavy rains affected the production during 1992-93. Usually rainy season will be over by mid August, but in 1992 it continued up to the middle of October. This resulted in heavy loss in tappable days. Both the increase in harvested area and yield per hectare have contributed to the appreciable increase in production. The yield per hectare, which was 1076 kg during 1990-91, rose to 1130 kg during 1991-92 and again to 1154 kg during 1992-93. High yielding planting materials, particularly the variety RRII 105 developed and released by the Rubber Research Institute of India towards the close of 1970s, have contributed to this commendable achievement. Plantation industry is poised for giving further spectacular results in the 1990s.

Synthetic Rubber Production

Production of synthetic rubber (SR) which in 1991-92, was 57,703 tonnes, recorded only a marginal improvement in 1992-93. The production during the year was 58,136 tonnes, made up of 37,230 tonnes of Styrene Butadiene Rubber, 17,377 tonnes of Polybutadiene Rubber and 3,529 tonnes of other grades.

Consumption

The growth in consumption of rubber was as follows:-
(Tonnes)

	Production			Consumption		
	Natural	Synthetic	Total	Natural	Synthetic	Total
1986-87	219,520	38,816	258,336	257,305	71,785	329,090
1987-88	235,197	44,468	279,665	287,480	76,410	363,890
1988-89	259,172	54,389	313,561	313,830	84,150	397,980
1989-90	297,300	53,482	350,782	341,840	93,550	435,390
1990-91	329,615	57,293	386,908	364,310	104,735	469,045
1991-92	366,745	57,703	424,448	380,150	105,650	485,800
1992-93	393,490	58,136	451,626	414,105	107,440	521,545

The growth in consumption during 1991-92 was only 3.6% as against the average growth of 8.8% during the five year period from 1986-87 to 1990-91. The poor performance was due to the sluggish growth in the industrial sector. However, during 1992-93 the growth improved to 7.4%. Analysis of consumption during 1992-93 showed that the tyre industry during the year recorded a growth rate of 12.0% over the previous year. The appreciable increase was due to the excellent export performance of the sector. The export of auto tyres and tubes during the year touched an all-time record of Rs.481.57 crores as against Rs.202.10 crores in the previous year. The total export of all types of rubber products during 1992-93 rose to Rs.671.85 crores from Rs.313.39 crores in the previous year.

Import

There was no import of NR during 1991-92 and 1992-93 except against export entitlement of rubber products. The quantity imported under export entitlement during 1991-92 was 14,500 tonnes and during 1992-93 16,500 tonnes. Import of SR continued during the period.

Price of rubber

On 5th January 1993, Government revised the benchmark price for RMA-IV grade rubber to Rs.2345 per quintal. The price prior to the revision was Rs.2145 which was introduced on 15th January 1991. The slow down in demand and steady increase in production of NR necessitated price support operations during the period from February 1991 to April 1991 and again from October 1991 to March 1992. State Trading Corporation (STC) of India Ltd procured 7,700 tonnes of RMA-IV grade rubber during the first period and 7,165 tonnes of RMA-V grade and 8,816 tonnes of RMA-IV grade during the second period. The continued sluggish demand and heavy accumulation of stocks necessitated Government to allow export of rubber. From the surplus stock from 1991-92, STC exported 5,834 tonnes in March 1992 and 5,988 tonnes during April to June 1992. The entire export was RMA-V grade sheets, which the industry was not able to absorb. In addition, a small quantity of centrifuged latex of 11 tonnes (dry rubber content) was exported by one rubber growing company.

The trend in price of RMA-IV grade rubber in Kottayam market was as follows:-

	Rs./quintal	Increase(%)
1988-89	1815	1.3
1989-90	2131	17.4
1990-91	2129	(-)0.1
1991-92	2141	0.6
1992-93	2550	19.1
Average annual growth		7.7

The average price of SR (SBR-1500 grade) during 1992-93 was Rs. 5184 per quintal. All the above prices are excluding duties and taxes.

WORLD POSITION

World production of NR rose steadily from 5.21 million tonnes during 1990 to 5.35 million tonnes during 1991 and again to 5.63 million tonnes during 1992. The increase in production was contributed mainly by Thailand, Indonesia, India and China. Thailand for the first time replaced Malaysia as the number-one producer of NR. Indonesia became the second producer. Malaysian output of NR declined steadily from 1.66 million tonnes in 1988 to 1.22 million tonnes in 1992. The fall in production was reported to be mainly due to the continued diversification from rubber owing to the increase in labour cost and consequent unattractive returns from rubber cultivation. World consumption of NR during the last two years was less than that of production. Estimates of the International Rubber Study Group also indicate that the same trend will be repeated during 1993.

World Rubber Position

('000 Tonnes)

	Production			Consumption		
	Natural	Synthetic	Total	Natural	Synthetic	Total
1988	5120	10150	15270	5190	10040	15230
1989	5210	10030	15240	5300	10060	15360
1990	5210	9960	15170	5280	9830	15110
1991	5350	9100	14450	5220	9150	14370
1992	5630	9160	14790	5530	9110	14640

The imbalance between supply and demand resulted in accumulation of stocks and steady fall in prices in the international market as shown below:-

Average price of RSS-3 grade rubber
in Kuala Lumpur Market

	M \$	Rs.
1988	301.2	1600
1989	247.0	1482
1990	220.6	1425
1991	216.9	1796
1992	212.6	2457

The International Natural Rubber Agreement (INRA) 1979, concluded within the framework of the UNCTAD Integrated Programme for Commodities was replaced by a second Agreement known as INRA 1987. The Agreement, which came into force provisionally on 29th December 1988, mainly aims at stabilising the conditions in the international rubber trade by avoiding excessive fluctuations. The International Natural Rubber Organisation (INRO) which is administering the Agreement is operating a buffer stock with this objective. During 1991 and 1992 on several occasions INRO entered the market and purchased rubber with a view to stabilise the prices. There was no release of rubber from the stock during the last two years. The INRA is due to expire on 28th December 1993. Its future still remains undecided as the negotiations for a new agreement have not been able to reach any definitive conclusion.

Kottayam
30-09-1993

R.G.Unny,
Dy. Director

CONNOTATIONS

Holding	:	Unless the contrary is stated, the word means a rubber area contiguous or non-contiguous aggregating 20.23 hectares (50 acres) or less under a single ownership.
Estate	:	Land contiguous, or non-contiguous aggregating more than 20.23 hectares (50 acres) planted with rubber under a single ownership is treated as 'estate'. However, estates / holdings situated in different taluks even if they are under a single ownership are considered separately. In this context, the word owner includes any agent of an owner and a mortgagee in possession and a lessee of the area.
Newplanted area	:	Land planted with rubber for the first time.
Replanted area	:	Land planted with rubber by removing the rubber trees planted earlier.
High yielding area	:	Area planted with clonal seedlings and clones (budgrafts) approved by the Rubber Board. It may be stated that till 1970 Tjir-1 clonal planting material was also included under high yielding varieties. From 1971 onwards this variety is not recommended for planting. So the area under high yielding varieties in this publication includes area planted with Tjir-1 variety upto 1970.
Tappable area	:	Area which is estimated to be tappable.
Yield per hectare	:	Average yield per hectare of tappable area.
Manufacturer	:	A manufacturer of rubber goods who has taken out a licence from the Board for acquiring natural rubber.
Dealer	:	One who has taken out a licence from the Board for dealing in natural rubber/holding natural rubber stock. Under the Rubber Act all dealers of natural rubber and all consumers of natural rubber (manufacturers of rubber goods) should take out licence from the Rubber Board.
Natural rubber	:	Includes the dry rubber content (drc) of all grades and qualities of natural rubber. Quantity under latex also refers to weight of dry rubber content.
Ungraded rubber	:	Small holders, particularly those in the lower area group generally sell their smoked sheet rubber to dealers without grading and packing. This rubber consists of mostly RMA 3,4 & 5 and off-grades. Grading and packing is done usually at the medium/big dealers' level.
Synthetic rubber	:	Includes oil content of oil extended rubber and total solid content of latices.
Reclaimed rubber	:	Comprises of both natural and synthetic reclaimed rubber.
p	:	provisional

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TABLE - 1

AREA NEWPLANTED AND REPLANTED WITH RUBBER SINCE 1955-56.
(Area in hectares)

Year	Newplanted	Replanted	Total	Year	Newplanted	Replanted	Total
1955-56	9342	719	10061	1974-75	4310	2200	6510
1956-57	12030	737	12767	1975-76	4561	3099	7660
1957-58	14278	1394	15672	1976-77	4882	3172	8054
1958-59	12605	1874	14479	1977-78	4770	3645	8415
1959-60	9963	1841	11804	1978-79	8450	4050	12500
1960-61	12104	1385	13489	1979-80	12300	4065	16365
1961-62	14485	2448	16931	1980-81	19308	5476	24784
1962-63	13222	2499	15721	1981-82	18100	4188	22288
1963-64	6551	2309	8860	1982-83	19884	4963	24847
1964-65	5800	2682	8482	1983-84	18905	5641	24446
1965-66	4749	4163	8912	1984-85	22365	5217	27582
1966-67	5886	4039	9925	1985-86	21222	5759	26981
1967-68	6614	2905	9519	1986-87	19856	5563	25419
1968-69	6079	1905	7984	1987-88	19535	6517	26052
1969-70	6709	1920	8629	1988-89	19471	6998	26469
1970-71	6655	2089	8744	1989-90	20175	6854	27029
1971-72	3044	1473	4517	1990-91P	15143	7154	22297
1972-73	3775	1704	5479	1991-92P	13951	7400	21351
1973-74	3975	1576	5551	1992-93P	11000	7400	18400

TABLE - 2 (Contn.)

Year	1972-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83
	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)
Kerala	202761	205595	208430	211808	215797	219506	226239	236324	253784	269621	287334
Tamilnadu	12677	13108	13439	13776	14049	14345	14585	15280	15513	15740	160220
Karnataka	7059	7470	8090	8585	8738	8790	8815	8861	9004	9227	9502
Tripura	103	223	307	417	574	878	1306	1989	2746	3590	4578
Assam	*	*	102	118	134	152	283	419	568	789	840
Meghalaya	*	*	106	141	191	291	628	778	923	1033	1108
Mizoram									*	170	276
Manipur							100	216	216	291	331
A&N	740	768	787	810	850	900	900	900	900	900	902
Goa	125	153	191	223	262	338	423	464	512	563	604
Total	223465	227317	231452	235876	240593	245200	253279	265211	264166	301924	321495

- - - Refer to less than 100 hectares omitted.

TABLE - 2 (Contn.)

Year	1983-84 (35)	84-85 (36)	85-86 (37)	86-87 (38)	87-88 (39)	88-89 (40)	89-90 (41)	90-91P (42)	91-92P (43)	92-93P (44)
Kerala	303774	323303	341506	356421	370079	383552	396467	407821	419174	428864
Tamilnadu	16240	16450	16567	16765	16917	17037	17100	17150	17210	17260
Karnataka	9973	10710	11392	11913	12353	12809	13200	13995	14386	14650
Tripura	5338	6545	7742	12085	12670	14326	16620	17320	17860	18250
Assam	929	1053	1242	1968	3178	5144	8350	9380	9740	9885
Meghalaya	1190	1266	1410	1831	2509	3229	3350	3466	4058	4350
Nagaland	105	205	355	525	675	910	1110	1300	1371	1370
Mizoram	420	470	570	620	690	810	900	950	960	960
Manipur	331	335	355	440	515	665	895	1203	1215	1215
A&N	908	912	919	930	943	948	950	960	964	970
Goa	640	711	773	831	851	861	923	970	978	998
Maharashtra	*	*	*	*	132	137	143	145	150	154
Orissa	*	*	*	*	*	146	191	245	270	270
AP							142	178	178	178
Total	339848	361960	392831	402329	421512	440584	460341	475083	488514	499374

AP: Andhra Pradesh

TABLE - 3

DISTRICT/STATE/UNION TERRITORY WISE AREA OF RUBBER UNDER HOLDINGS & ESTATES
(Area in hectares)

District/State/ Union Territory	1960-61				1965-66				1970-71			
(1)	Holdings (2)	Estates (3)	Total (4)	Holdings (5)	Estates (6)	Total (7)	Holdings (8)	Estates (9)	Total (10)			
1. Thiruvananthapuram	3657	1097	4754	4974	1310	6284	6223	1414	7637			
2. Kollam	13335	9868	23223	17347	12152	29499	21116	12338	33454			
3. Alappuzha	2195	115	2310	3082	60	3142	3802	60	3862			
4. Kottayam	35676	9818	45494	43566	10490	54056	49313	9874	59187			
5. Ernakulam	13495	4568	18063	18648	6255	24903	21807	6260	28067			
6. Thrissur	1537	5389	6926	2842	5886	8728	3236	5847	9083			
7. Palakkad	2471	3640	6111	4441	4810	9251	3237	1906	5143			
8. Malappuram	-	-	-	-	-	-	9930	7573	17503			
9. Kozhikode	8417	10325	18742	12292	11820	23912	9283	7113	16396			
10. Kannur	7583	2603	10186	11483	3303	14786	14684	3428	18092			
KERALA	83368	47443	135809	118675	55886	174561	142611	55813	198424			
11. Kanyakumari	1736	3678	5614	4036	4605	8641	5117	5922	11039			
12. Madurai	11	142	153	10	143	153	10	143	153			
13. Nilgiris	84	161	245	84	161	245	86	161	247			
14. Coimbatore	-	221	221	-	221	221	-	221	221			
15. Salem	23	-	23	23	-	23	23	-	23			
16. Tirunelveli	-	-	-	-	-	-	29	-	29			
TAMIL NADU	1854	4402	6256	4153	5130	9283	5265	6447	11712			
KARNATAKA	155	1504	1659	182	2451	2633	1924	4601	6525			
A & N ISLANDS	-	181	181	-	236	236	-	537	537			
Grand Total	90375	53530	143905	123010	63703	186713	149800	67398	217198			

TABLE - 3 (Contn.)

District/State/ Union Territory	1975-76				1980-81				1985-86			
	Holdings (11)	Estates (12)	Total (13)	Holdings (14)	Estates (15)	Total (16)	Holdings (17)	Estates (18)	Total (19)	Holdings (17)	Estates (18)	Total (19)
1. Thiruvananthapuram	8934	1116	8050	9208	971	10179	17089	964	18053			
2. Kollam	21873	12439	34312	28533	12548	41081	18295	9596	27891			
3. Pathanamthitta							30343	6480	36823			
4. Alappuzha	3854	60	3914	4222	51	4273	3236	-	3236			
5. Kottayam	50174	5956	56130	61880	5046	66926	79663	4846	84509			
6. Idukki	10691	5194	15885	15084	4813	19897	28346	4737	31083			
7. Ernakulam	17316	3753	21069	23543	3312	28855	35604	3175	38779			
8. Thrissur	3719	5401	9120	4392	5390	9782	5482	4911	10393			
9. Palakkad	6345	2339	8684	9941	2038	11979	14497	1922	16419			
10. Malappuram	11416	5952	17368	14491	4833	19324	17631	3770	21401			
11. Kozhikode	10851	6305	17156	13508	5663	19171	10460	4504	14964			
12. Wynad							4613	169	4782			
13. Kannur	16632	3488	20120	21254	3063	24317	17170	1511	18681			
14. Kasargod							13418	1074	14492			
KERALA												
15. Kanyakumari	159805	52003	211808	206056	47728	253784	293847	47659	341506			
Others	6671	6428	13099	6858	8232	15090	8867	7265	16132			
	153	524	677	120	303	423	132	303	435			
TAMIL NADU												
	6824	6952	13776	6978	8535	15513	8999	7568	16567			
KARNATAKA												
A & N ISLANDS	2021	6564	8585	2188	6816	9004	4774	6618	11392			
TRIPURA		810	810	22	878	900	24	895	919			
ASSAM	28	389	417	159	2587	2746	1955	5787	7742			
MEGHALAYA		116	116		568	568	200	1042	1242			
NAGALAND		141	141		923	923	25	1385	1410			
MIZORAM							60	295	355			
MANIPUR							100	470	570			
GOA	9	214	223	40	216	216	225	355	355			
					472	512		548	773			
Grand Total	168687	67169	235856	216443	68723	284166	310509	72622	362831			

CHART No. 1

AREA UNDER HOLDINGS AND ESTATES

HECTARES



420

390

360

330

300

270

240

210

180

150

120

90

60

30

(000 HECTARES)

1991-92

1990-91

1989-90

1988-89

1987-88

1986-87

1985-86

1984-85

1983-84

1982-83

1981-82

1980-81

1979-80

1978-79

1977-78

1976-77

1975-76

1974-75

1973-74

1972-73

1971-72

1970-71

[illegible]

District/State/ Union Territory	1990-91P			1991-92P		
	Holdings (20)	Estates (21)	Total (22)	Holdings (23)	Estates (24)	Total (25)
1. Thiruvananthapuram	21213	943	22156	23763	903	24666
2. Kollam	22957	9481	32438	23742	9436	33178
3. Pathanamthitta	36611	6261	42872	37736	6116	43854
4. Alappuzha	3350	--	3350	3420	--	3420
5. Kottayam	99205	4683	103888	100027	4676	104703
6. Idukki	31166	4379	35545	31663	4309	35972
7. Ernakulam	47991	3172	51163	49031	3145	52176
8. Thrissur	6478	4792	11270	6622	4752	11374
9. Palakkad	19420	1384	20804	21509	1306	22815
10. Malappuram	18745	3875	22620	19802	3847	23649
11. Kozhikode	12255	4395	16650	12280	4470	16750
12. Wynad	4987	48	5035	5102	48	5150
13. Kannur	21371	1509	22880	22432	1484	23918
14. Kasargod	16164	986	17150	16565	986	17551
KERALA	361913	45908	407821	373696	45478	419174
15. Kanyakumari	9444	7276	16720	9693	7084	16777
Others	300	130	430	303	130	433
TAMIL NADU	9744	7406	17150	9986	7214	17210
KARNATAKA	7270	6725	13995	7531	6855	14386
A & N ISLANDS	64	896	960	68	896	964
TRIPURA	8162	9158	17320	8518	9342	17860
ASSAM	6935	2445	9380	7288	2452	9740
MEGHALAYA	1097	2369	3466	1193	2875	4068
NAGALAND	520	780	1300	564	780	1371
MIZORAM	113	837	950	123	837	960
MANIPUR	425	778	1203	437	778	1215
GOA	422	546	970	405	573	978
MAHARASHTRA	38	107	145	18	132	150
ORISSA	165	80	245	217	80	270
ANDHRA PRADESH	178	--	178	178	--	178
Grand Total	397046	78037	475083	410222	78292	488514

TABLE - 4

CLASSIFICATION OF HOLDINGS AND ESTATES ACCORDING TO SIZE AT THE END OF EACH YEAR
(Area in hectares)

Year (1)	HOLDINGS									
	2 ha. & below			Above 2 ha. & Upto & including 4 ha.			Above 4 ha.			Total
	Units (2)	Area (3)	Units (4)	Area (5)	Units (6)	Area (7)	Units (8)	Area (9)		
1955-56	26164	20489	1948	5699	1475	12300	29587	38488		
1960-61	67836	52340	4680	13981	2878	24054	75374	90375		
1965-66	96477	72433	6175	18051	3852	32526	106504	123010		
1970-71	114924	82570	9922	25853	5593	41377	130439	149800		
1975-76	132957	92386	11386	29235	6406	47066	150749	168887		
1980-81	218155	139809	11924	30140	6389	45494	236468	215443		
1985-86	394984	238158	11152	28071	6075	43980	412211	310209		
1990-91p	763022	331982	13100	33149	4465	31915	780537	397046		
1991-92p	797429	341609	13556	35569	4562	33044	815547	410222		

TABLE - 4 (Contn.)

ESTATES														
Year	Upto 40 ha.		Above 40ha& upto 200ha.		Above 200ha& upto 400ha.		Above 400ha& upto 600 ha.		Above 600ha& upto 800 ha.		Above 800ha.		Total	
	Units (10)	Area (11)	Units (12)	Area (13)	Units (14)	Area (15)	Units (16)	Area (17)	Units (18)	Area (19)	Units (20)	Area (21)		
1955-56	209	6781	179	15047	33	9578	15	7513	4	2762	6	5898	446	47579
1960-61	271	7590	216	17812	29	8082	18	8768	5	3437	8	7841	547	53530
1965-66	325	9556	248	20476	30	8551	19	9400	4	2696	10	13024	636	63703
1970-71	309	8771	273	21318	29	8219	20	9966	6	4036	12	15068	649	67398
1975-76	289	8235	242	19332	27	7366	17	8100	9	6138	14	18018	598	67189
1980-81	258	7289	228	18659	25	7481	15	8208	10	6885	17	20201	553	68723
1985-86	137	4320	171	14408	24	7305	18	9046	14	9294	20	28249	384	72622
1990-91p	123	3320	143	12150	23	6764	20	9838	15	10150	22	35815	346	78037
1991-92p	125	3405	135	11673	26	7288	20	9980	15	10165	22	35781	343	78292

TABLE - 5

AREA UNDER HIGH YIELDING AND UNSELECTED MATERIALS
(Area in hectares)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
HOLDINGS									
High Yielding	2844	26912	53048	83030	107326	169699	270835	364896	378635
Unselected	35844	63463	69862	68770	61361	45744	39374	32150	31587
Total	38488	90375	123010	149800	168687	215443	310209	397046	410222
ESTATES									
High Yielding	14874	23811	39534	55397	64978	68110	72072	77647	77820
Unselected	32705	29719	24169	12001	2211	613	550	390	372
Total	47579	53530	63703	67398	67189	68723	72622	78037	78292
TOTAL									
High Yielding	17718	50723	92582	138427	172304	237809	342907	442543	456555
Unselected	68349	93182	94131	78771	63572	46357	39924	32540	31959
Grand Total	86067	143905	186713	217198	235876	284166	382831	475083	488514

TABLE - 6

TAPPABLE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE IN DIFFERENT STATES
(Tappable area in hectares, production in metric tonnes and yield in kg)

Year	KERALA			TAMILNADU			KARNATAKA			OTHERS			TOTAL			
	Tap- ped area (1)	Pro- duc- tion (2)	Yi- eld (3)	Tap- ped area (4)	Pro- duc- tion (5)	Yi- eld (6)	Tap- ped area (7)	Pro- duc- tion (8)	Yi- eld (9)	Tap- ped area (10)	Pro- duc- tion (11)	Yi- eld (12)	Tap- ped area (13)	Pro- duc- tion (14)	Yi- eld (15)	Pro- duc- tion (16)
1955-56	62399	21680	347	3204	1606	501	1444	406	281	134	38	284	67181	23730	353	353
1956-57	67394	21853	324	3259	1806	554	1449	385	252	134	36	269	72236	24060	333	333
1957-58	66198	22196	335	3265	1890	578	1449	425	293	110	23	209	71022	24534	345	345
1958-59	65415	22062	337	3222	1665	517	1506	425	282	110	17	154	70253	24169	344	344
1959-60	65007	21890	336	3185	1814	570	1506	437	290	110	32	291	69808	24173	346	346
1960-61	65355	23175	354	3305	2040	617	1483	452	305	110	30	272	70253	25697	365	365
1961-62	69269	24954	360	3421	2060	602	1501	402	268	110	30	272	74301	27446	370	370
1962-63	78516	29057	370	3901	2695	691	1527	447	293	110	40	363	84054	32239	384	384
1963-64	89529	33792	377	4319	3176	735	1487	468	315	171	51	298	95506	37487	393	393
1964-65	102125	41391	405	4678	3724	796	1407	481	342	171	20	-	108381	45616	420	420
1965-66	106623	46953	440	4721	3195	677	1365	382	280	-	-	-	112709	50530	448	448
1966-67	107298	50495	471	4812	3927	816	1390	396	285	-	-	-	113500	54818	483	483
1967-68	111400	59978	538	4908	4048	825	1395	434	310	24	8	-	117727	64468	548	548
1968-69	116935	66473	568	4958	4100	827	1365	470	344	24	11	-	123282	71054	576	576
1969-70	126358	76897	609	5339	4526	848	1386	516	372	24	14	-	133107	81953	616	616
1970-71	134103	86773	647	5673	4859	857	1374	519	378	26	20	-	141176	92171	653	653
1971-72	142000	95499	673	5943	5140	865	1336	530	412	28	21	-	149307	101210	678	678
1972-73	146957	105934	721	6490	5739	884	1465	659	450	50	32	-	154962	112364	725	725
1973-74	156384	117221	750	7460	7036	943	1710	856	501	50	40	-	165604	125153	756	756
1974-75	160956	121558	755	7982	7523	942	1861	1012	544	80	50	-	170879	130143	762	762

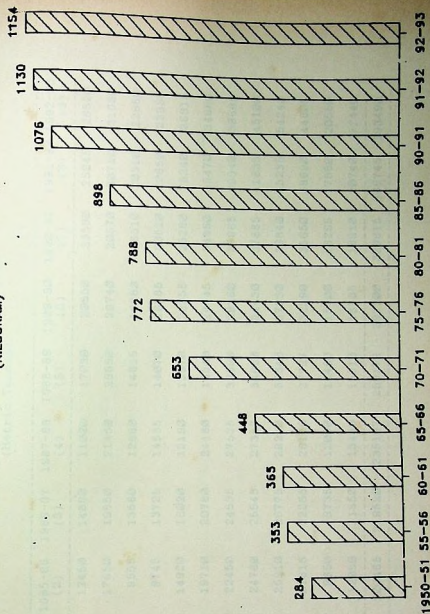
TABLE - 6 (Contn.)

Year	KERALA			TAMILNADU			KARNATAKA			OTHERS			TOTAL		
	Tap- ped area (17)	Pro- duc- tion (18)	Yi- eld (19)	Tap- ped area (20)	Pro- duc- tion (21)	Yi- eld (22)	Tap- ped area (23)	Pro- duc- tion (24)	Yi- eld (25)	Tap- ped area (26)	Pro- duc- tion (27)	Yi- eld (28)	Tap- ped area (29)	Pro- duc- tion (30)	Yi- eld (31)
1975-76	167742	128769	768	8257	7631	924	2392	1282	536	89	68	-	178482	137750	772
1976-77	173737	139349	802	8952	8535	953	2715	1667	614	190	81	-	185594	149632	806
1977-78	177890	135907	764	8990	9015	1003	3910	1959	501	216	106	-	191006	146987	770
1978-79	177085	123677	698	8952	9367	1046	3893	2100	539	400	153	-	190330	135297	711
1979-80	178890	136609	764	9195	9108	990	4012	2537	632	457	216	-	192554	148470	771
1980-81	179980	140320	780	9700	10446	1077	4004	2128	531	561	206	-	194245	153100	788
1981-82	181180	139435	770	9912	10510	1060	4344	2606	600	775	319	-	196211	152870	779
1982-83	184340	152662	828	10035	9700	967	4360	3070	704	977	418	428	199712	165850	830
1983-84	187720	162212	864	10600	9736	918	5200	2785	536	1000	547	547	204520	175280	857
1984-85	193290	172092	890	10700	10603	991	5365	3095	577	1164	660	567	210519	186450	886
1985-86	205780	184563	897	10560	11025	1044	5610	4090	729	1397	787	563	223347	200465	898
1986-87	218750	202129	924	10970	11755	1071	5935	4855	818	1409	781	554	237064	219520	926
1987-88	229940	216562	942	11549	12470	1080	6120	5253	858	1491	912	612	249100	235197	944
1988-89	246660	238414	967	12600	13370	1153	6281	6222	991	1562	1166	746	266103	259172	974
1989-90	268714	275397	1025	11835	14065	1188	6500	6475	996	2011	1363	678	289060	297300	1029
1990-91	284960	307521	1079	11873	13645	1149	6957	6665	958	2623	1784	680	306413	329615	1076
1991-92p	301360	343109	1139	12180	13975	1147	7370	7260	985	3630	2401	661	324540	366745	1130
1992-93p	316760	368648	1164	12310	14250	1158	7872	7910	1005	4038	2682	664	340980	393490	1154

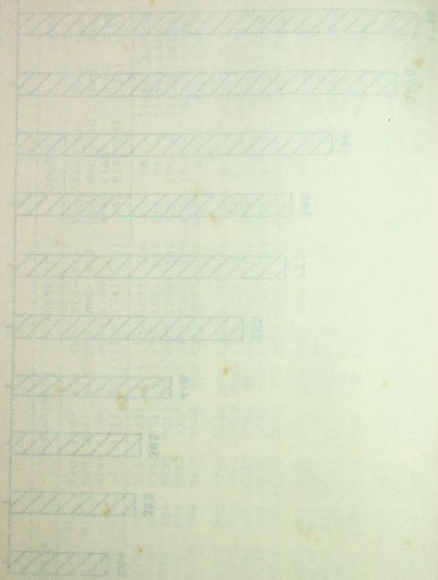
Yield : Yield in tapped area in Kg. per ha.

CHART No. 2

AVERAGE YIELD PER HECTARE OF RUBBER (KILOGRAM)



1920-21 1921-22 1922-23 1923-24 1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1930-31 1931-32



(kg/ha)

YIELD PER HECTARE OF SORGHUM

TABLE - 7

MONTHWISE PRODUCTION OF NATURAL RUBBER
(Metric Tonnes)

Months (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
April	12450	14880	11020	17030	20550	23590	25245	26520
May	17650	19850	21450	25850	28740	20570	30710	31630
June	9555	13580	12880	14815	16280	18310	20310	22880
July	9745	13725	14585	14070	16685	20520	20650	23835
August	14920	16020	15190	13970	22955	25280	28240	28815
September	19710	20780	24480	13540	28445	34850	39470	34980
October	22450	24535	27535	32890	29160	37865	39940	39695
November	24760	25545	27387	34650	34430	37885	41835	45100
December	25910	26775	29240	36340	37330	39840	43235	54240
January	21615	22265	26120	27727	32290	35650	38690	44805
February	9650	9735	12050	12480	15700	16285	17880	20550
March	12050	11850	13480	15810	16735	18910	20740	22440
Total	200465	219520	235197	259172	297300	329615	366745	393490

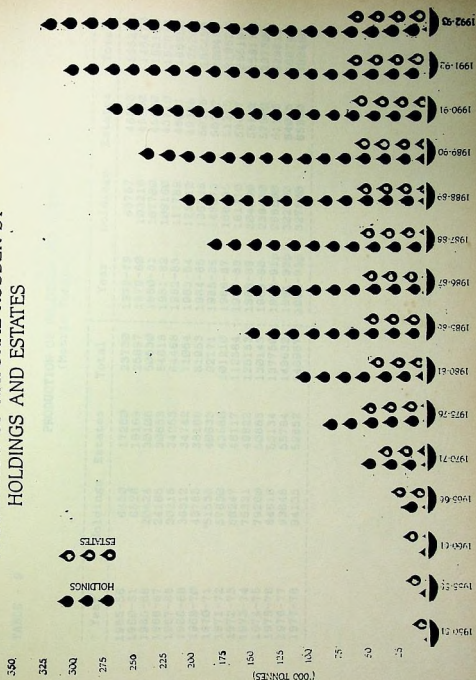
TABLE - 8

GRADEWISE PRODUCTION OF NATURAL RUBBER
(Metric Tonnes)

Grade (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
RMA Sheets	135430	148640	162815	177625	207180	236530	263220	281335
Latex Concentrates(drc)	22665	26245	27688	32478	36910	39440	43425	46245
Solid Block Rubber	7385	8500	11246	15354	17160	16980	25870	27107
Pale Latex Crepes	2410	2950	2112	2440	2409	2725	2900	2608
Others	32575	33185	31336	31275	33641	33940	31330	36195
Total	200465	219520	235197	259172	297300	329615	366745	393490

CHART No. 3

PRODUCTION OF NATURAL RUBBER BY HOLDINGS AND ESTATES



[illegible]

TABLE - 9

PRODUCTION OF HOLDINGS AND ESTATES
(Metric Tonnes)

Year	Holdings		Estates		Total	Year	Holdings		Estates		Total
	Holdings	Estates	Holdings	Estates			Holdings	Estates	Holdings	Estates	
1955-56	6450	17280	23730			1978-79	88787		46530		135297
1960-61	6528	19169	25697			1979-80	103210		45260		148470
1965-66	20424	30106	50530			1980-81	107760		45400		153100
1966-67	24165	30653	54818			1981-82	109160		43710		152870
1967-68	30215	34253	64468			1982-83	117789		48061		165850
1968-69	36312	34742	71054			1983-84	125912		49368		175280
1969-70	43785	38168	81953			1984-85	136335		50115		186450
1970-71	51538	40633	92171			1985-86	149673		50792		200465
1971-72	57630	43550	101210			1986-87	168195		51325		219520
1972-73	66247	46117	112364			1987-88	181710		53487		235197
1973-74	75331	49822	125153			1988-89	204200		58172		259172
1974-75	79260	50893	130143			1989-90	239400		57900		297300
1975-76	84618	53134	137750			1990-91P	268500		61115		329615
1976-77	93848	55784	149632			1991-92P	302700		64045		366745
1977-78	94135	52652	146987			1992-93P	327500		65990		393490

TABLE - 10

DISTRICTWISE PRODUCTION OF NATURAL RUBBER
(Metric Tonnes)

District/State (1)	1985-86 (2)	1970-71 (3)	1975-76 (4)	1980-81 (5)	1985-86 (6)	1990-91P (7)	1991-92P (8)	1992-93P (9)
Thiruvananthapuram	1293	3581	5223	5933	8475	15513	19782	21485
Kollam	9274	16141	24185	25561	19807	26951	29623	31348
Pathanamthitta	445	1713	2409	2771	16245	34264	38691	41902
Alappuzha	15226	26907	34021	36132	2722	2140	2470	2538
Kottayam			10187	11140	50134	82852	89895	96850
Idukki			12292	13929	15611	26638	29248	31721
Ernakulam	5193	11907	7190	6739	19419	37586	43308	47324
Thrissur	3935	5700	3816	4516	6079	9108	10152	10592
Palakkad	1923	1468	9132	10571	7150	12531	15312	15786
Malappuram	7850	6451	10076	10730	11419	14855	16266	18248
Kozhikode					8602	12769	14031	14413
Wynad					1635	2357	2426	2575
Kannur	1814	5251	10238	12298	9841	16808	18304	19482
Kasaragod					7424	13149	13601	14606
Kerala Total	48953	86773	128769	140320	184563	307521	343109	368646
Outside Kerala	3577	5398	8981	12780	15902	22094	23638	24844
Grand Total	50530	92171	137750	153100	200465	329615	366745	393490

Note: Wynad District was formed in November 1980 from Kozhikode and Kannur Districts.
 Pathanamthitta District was formed in November 1982 from Kollam and Alappuzha Districts.
 Kasargode District was formed in May 1984 from Kannur District.

TABLE - 11

MONTHWISE IMPORT OF NATURAL RUBBER
(Metric Tonnes)

Month (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92p (8)	1992-93p (9)
April	3661	3509	6091	9937	12063	11248	2953	1546
May	3213	13766	8340	14792	2267	8223	1195	1652
June	5788	10594	6921	7380	1550	8580	2153	1942
July	5192	12602	9738	6823	7706	2753	827	2206
August	4056	1724	9553	3440	1498	5000	1543	1985
September	128	27	263	764	1312	6334	1347	2699
October	37	649	456	1384	825	1901	472	2163
November	920	78	2378	625	1858	1211	937	619
December	1298	212	681	4036	433	2133	583	773
January	7989	191	2220	4750	935	1358	604	530
February	4422	1432	3285	1606	5492	1200	780	257
March	4727	572	3759	4298	8486	2001	1106	126
Total	41431	45366	53685	59835	44445	51942	14500	16498

TABLE - 12

GRADEWISE IMPORT OF NATURAL RUBBER
(Metric tonnes)

GRADE (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92P (8)	1992-93P (9)
RSS-1	291	225	38	108	398	304	308	129
RSS-2	--	36	361	377	--	--	--	155
RSS-3	30026	32778	38954	40218	36759	40336	9643	12009
RSS-4	--	131	204	28	351	184	1186	1328
Latex	44	19	--	--	26	718	1397	626
Block } Rubber }	10879	12011	14128	18966	6790	9827	1695	1986
EBC-2X	--	--	--	--	--	294	--	--
Pale Latex } Crepe }	191	156	--	138	121	279	271	265
Total	41431	45356	53685	59835	44445	51942	14500	16498

TABLE-13

MONTHWISE CONSUMPTION OF NATURAL RUBBER
(Metric Tonnes)

	1985-86 (1)	1986-87 (2)	1987-88 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
April	18380	20645	21920	22475	25605	27880	29215	29910	32150
May	18290	21730	22475	22360	26270	27795	29350	29820	33115
June	18535	20960	23335	23935	25250	27430	31040	30515	33795
July	19690	20870	21170	22880	25475	27530	29420	31320	33995
August	18615	20685	21965	25565	28765	29140	31850	33450	34280
September	19470	19675	21735	24975	27645	30335	31660	32410	35585
October	20420	21095	25870	28320	29650	31585	34175	35920	36780
November	21250	23615	27815	28370	29180	31530	32410	32960	35565
December	21440	22685	25190	25885	27030	30470	31380	33735	36220
January	20215	22270	25450	27030	30470	31380	33735	36220	41405
February	21415	23740	257305	287480	313830	341840	364310	380150	41405
March	237440	257305	287480	313830	341840	364310	380150	41405	
Total									

TABLE - 14

GRADEWISE CONSUMPTION OF NATURAL RUBBER
(Metric Tonnes)

Grade (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
RMA Sheets	164465	176605	200420	216550	240895	261780	272605	298090
Estate Brown Crepes	29625	28268	30991	29796	36365	30367	32515	32205
Latex Concentrates (drc)	22445	25875	28190	30420	36790	39665	42370	48600
Pale Latex Crepe & Sole Crepe	2830	3192	2877	2325	2710	3307	3240	3075
Solid Block Rubber	17105	22145	24080	33730	23750	27700	27855	30730
Others	970	1220	922	1009	1330	1291	1565	1405
Total	237440	257305	287480	313830	341840	364310	380150	414105

TABLE - 15

STOCK OF NATURAL RUBBER WITH GROWERS, DEALERS AND MANUFACTURERS
AT THE END OF EACH MONTH
(Metric Tonnes)

Months	1985-86				1986-87			
	G & D (2)	M (3)	STC (4)	T (5)	G & D (6)	M (7)	STC (8)	T (9)
April	28430	17565	3217	49212	31530	20870	330	52730
May	28760	19330	3705	51795	35470	22660	6468	84598
June	23855	16123	8621	48599	36950	23340	7472	67782
July	21535	17950	4456	43841	36405	21935	14838	73178
August	22495	16845	4863	44203	39975	20735	8990	69700
September	28745	15595	229	44569	42340	22175	5204	69719
October	30645	16330	229	47204	47470	21935	5815	75220
November	34450	16980	1029	52459	52290	20250	7166	79706
December	37025	19110	2029	56164	51180	22185	9648	83013
January	36585	22420	7329	66334	49105	21795	11910	82810
February	31890	22750	5543	60183	38785	21650	11773	72208
March	28690	23960	2717	55357	31740	19340	11626	62706

Note: G - Growers, D - Dealers, M - Manufacturers,
STC - State Trading Corporation of India, T- Total
Stock with manufacturers includes stock in transit
as well as imported rubber.

Table - 15 (Contn.)

Months	1987-88				1988-89			
	G & D (10)	M (11)	STC (12)	T (13)	G & D (14)	M (15)	STC (16)	T (17)
April	31005	19810	7140	57955	32290	27070	5336	64696
May	38015	22670	4450	65135	34630	29282	15648	79540
June	33130	22920	6272	62322	32015	30960	12488	75463
July	33285	23565	5600	62450	25180	25920	20005	71105
August	32170	26905	4407	63482	23065	24950	15025	63040
September	36950	24700	4607	66257	20310	22470	8100	50880
October	50660	17890	3840	72390	33195	25550	1428	60173
November	50430	20865	3840	75135	38620	29200	1072	68892
December	50015	23740	3840	77595	41375	33515	6055	80945
January	48430	25955	5754	80139	43325	32480	11247	87052
February	34930	28340	7012	70282	33130	28995	13132	75257
March	29590	28950	5561	64101	26095	26165	17019	69279

Table - 15 (Contn..)

Months	1989-90				1990-91			
	G & D (18)	M (19)	STC (20)	T (21)	G & D (22)	M (23)	STC (24)	T (25)
April	24055	22025	28969	75049	25550	25185	24251	74986
May	27305	22450	26379	76134	26860	26600	21108	74568
June	21325	22680	22266	66251	23730	28790	19632	72152
July	20635	20670	20199	61704	23475	26965	13923	64363
August	25325	21670	14209	61204	26165	25760	13281	65206
September	29075	24365	8533	61973	35100	23750	16891	75741
October	32840	23250	8078	64168	40410	27940	16891	85241
November	36775	25185	8078	70038	50015	25965	16891	92871
December	41550	28720	8078	78348	55720	30720	16891	103331
January	42280	31975	8078	82333	59295	30580	16891	109766
February	34120	30515	10631	75266	42225	35795	18341	98361
March	25460	27360	16796	69616	30230	34045	22155	86430

Table - 15 (Contn.)

Months	1991-92				1992-93			
	G & D (26)	M (27)	STC (28)	T (29)	G & D (30)	M (31)	STC (32)	T (33)
April	28245	32240	24591	85076	24140	22785	24919	71844
May	31045	31370	24591	87006	27990	23780	21199	72969
June	25980	28555	24591	79126	26695	26550	9605	62850
July	23165	22275	24591	70031	26340	25340	3414	55094
August	25725	23690	18968	68383	27490	20710	1699	49899
September	33200	25200	18935	77335	34430	19040	659	54129
October	43315	23360	19378	86053	41885	19340	486	61711
November	49640	26175	20215	96030	48990	22370	486	71846
December	58245	26565	23200	106010	66160	24290	486	90938
January	57800	26430	28461	112891	74205	24735	486	99426
February	38510	25325	34140	97975	58695	25575	486	84666
March	28185	25980	29083	81248	42930	27725	486	71141

Table - 16

MONTHWISE PRODUCTION OF SYNTHETIC RUBBER
(Metric Tonnes)

Months (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91p (7)	1991-92p (8)	1992-93p (9)
April	2046	2402	3003	3405	3354	3590	3832	4139
May	2312	3354	2952	4366	3787	4102	3796	4637
June	4222	3309	2756	3445	4605	4269	4369	3939
July	2934	2993	3662	4576	4680	4990	4219	3184
August	3578	1932	4530	3516	4041	3423	5162	4847
September	3520	3586	4144	4131	2860	3845	4723	5067
October	2332	3040	3029	4926	4751	4467	5016	5223
November	3447	3357	4270	4771	4300	4560	4222	1724
December	2751	3266	4201	4355	5029	5721	4814	4057
January	2034	3779	2418	4923	4716	5297	5305	4679
February	3445	3824	4888	4491	3546	4835	4966	5169
March	2137	3974	4615	4853	4956	5194	4279	5126
Total	34758	38616	44468	54389	53482	57293*	57703*	58136*

* : Including breakup not available

TABLE - 17

GRADEWISE PRODUCTION OF SYNTHETIC RUBBER
(Metric Tonnes)

Grade (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
SR-1502	5483	5124	8098	12075	9988	11962	8982	8099
SR-1712	5223	6280	6753	8325	8228	8745	8458	5406
SR-1958	9008	10361	13395	17131	18835	19808p	21004p	18481p
Latex(drc)	175	308	1008	1141	1326	1501	1902	1908
Nitrile	137	421	708	67	--	--	--	2728p
Polybutadiene	14732	15411	14488	15850	15105	15277	17365	17377
Others	--	911	18	--	--	--	--	--
Total	34758	38816	44468	54389	53482	57293	57703	58136p

Source: Synthetics & Chemicals Ltd., Indian Petrochemicals Corporation Ltd., Apar(P) Ltd., & Apootex Lattices Ltd. (Asian Paints (P) Ltd.)

TABLE - 18

GRADEWISE CONSUMPTION OF SYNTHETIC RUBBER
(Metric Tonnes)

Grade (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91p (7)	1991-92p (8)	1992-93p (9)
Styrene buta- diene rubber	31585	31925	33420	39095	40945	45225	44035	45985
Butyl	11190	11243	12392	13790	18765	20884	21793	20051
Polychloroprene	1360	1375	1987	2080	2568	2941	3065	3173
Nitrile	1820	1866	2915	2960	3031	3580	3573	3848
Polybutadiene	18520	19735	20925	22920	24630	27115	27430	29875
Latex	2395	2516	2345	2400	2455	3442	3570	3485
EPDM }								
Others* }	3165	3125	2426	905	1156	600	680	815
						948	1504	208
Total	70035	71785	76410	84150	93550	104735	105650	107440

* : Include unclassified rubber also.

TABLE-19

STOCK OF SYNTHETIC RUBBER AT THE END OF EACH MONTH
(Metric Tonnes)

Months (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91p (7)	1991-92p (8)	1992-93p (9)
April	11000	14920	14340	12625	15700	15150	18560	11155
May	10740	16345	14815	12900	16920	16280	15385	11515
June	12400	17305	14120	12950	17750	15800	14750	11070
July	13100	18100	13500	14175	17600	15900	13125	11490
August	13880	17500	14540	13525	17010	15500	13600	11350
September	14165	17050	15125	13920	15930	14200	12770	11340
October	15990	16800	14135	15250	16800	14000	12270	13160
November	15850	17300	13020	15550	16650	17010	11690	12450
December	15450	16330	13340	16075	17150	18780	11620	13200
January	14580	16165	11860	16045	17800	19650	12380	12960
February	15200	16440	13170	17010	16900	19100	12485	14480
March	14470	15100	13245	17000	15500	19500	11470	12390

TABLE - 20

PRODUCTION, IMPORT, CONSUMPTION AND EXPORT
OF RECLAIMED RUBBER
(Metric Tonnes)

Year (1)	Production (2)	Import (3)	Consumption (4)	Export (5)
1960-61	2000*	3024	5453	--
1961-62	2500*	3847	6046	--
1962-63	3000*	3858	6850	--
1963-64	4500*	3777	7982	--
1964-65	7500*	2078	9369	--
1965-66	9500	179	9774	--
1966-67	11500	126	10913	--
1967-68	12000	19	11862	10
1968-69	13500	--	14169	50
1969-70	14652	--	14255	183
1970-71	15507	--	14348	259
1971-72	16710	--	15772	692
1972-73	17186	--	14666	1076
1973-74	18644	--	17784	1268
1974-75	19360	--	18096	1050
1975-76	19581	--	19342	141
1976-77	20256	--	20957	973
1977-78	21617	--	21681	1282
1978-79	27618	--	26330	1045
1979-80	26786	--	25660	953
1980-81	29336	--	26850	1127
1981-82	28787	--	28160	896
1982-83	28242	--	29190	520
1983-84	32964	--	30690	524
1984-85	34155	--	34625	446
1985-86	39195	--	38215	201
1986-87	38995	--	38635	188
1987-88	40535	--	41140	278
1988-89	40960	--	42450	699
1989-90	47615	--	46300	752
1990-91	53629	--	52500	985
1991-92p	54185	--	54015	573
1992-93p	61490	--	62470	379

* : Approximately

Source: For Import and export data "Monthly Statistics of Foreign Trade of India" Published by Govt. of India & Chemicals and Allied Products Export Promotion Council.

TABLE - 21

PRODUCTION, IMPORT, EXPORT AND CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER
(Metric Tonnes)

Year (1)	PRODUCTION			IMPORT		EXPORT		CONSUMPTION		
	Natural (2)	Synthetic (3)	Total (4)	Natural (5)	Synthetic (6)	Total (7)	Natural (8)	Synthetic (9)	Total (10)	Synthetic (11)
1955-56	23730	--	23730	4428	1201	5629	12	28445	461	28906
1956-57	24060	--	24060	7341	3134	10475	81	29998	2866	32864
1957-58	24534	--	24534	11357	3014	14371	--	33074	3161	36235
1958-59	24169	--	24169	12538	4229	16767	--	35767	39244	39244
1959-60	24173	--	24173	15287	5718	21005	--	40491	4964	45455
1960-61	25697	--	25697	23125	8097	31222	--	48148	7397	55545
1961-62	27446	--	27446	22528	10121	32649	--	48410	10186	58596
1962-63	32239	--	32239	23360	10297	33657	--	53553	10723	64276
1963-64	37487	8075	45562	26275	8812	35087	--	61155	11959	73114
1964-65	45616	11633	57249	15003	3315	18318	--	61057	15285	76342
1965-66	50530	14741	65271	16357	2735	19092	--	63765	21553	85318
1966-67	54818	22358	77176	23544	5606	29150	--	68685	23592	92277
1967-68	64468	19942	84410	9551	3127	12678	--	74518	23324	97842
1968-69	71054	25868	96922	8548	2909	11457	--	86615	27238	113853
1969-70	81953	28689	110642	17821	4736	22557	--	86213	30636	116849
1970-71	92171	29791	121962	2469	5014	7483	--	87237	33160	120397
1971-72	102120	32911	134121	437	5627	6064	--	96454	37209	133663
1972-73	112364	21832	134196	380	6044	6424	--	104028	33913	137941
1973-74	125153	23542	148695	52	5609	5661	2700	130302	23921	154223
1974-75	130143	17712	147855	--	6939	6939	350	132604	24376	156980

425

400

375

350

325

300

275

250

225

200

175

150

125

100

75

50

25

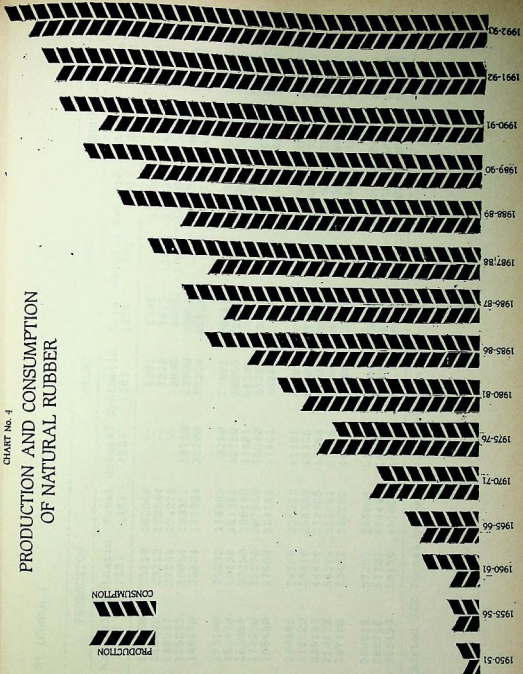
('000 TONNES)

31 (a)

CHART No. 4

PRODUCTION AND CONSUMPTION OF NATURAL RUBBER

CONSUMPTION
PRODUCTION



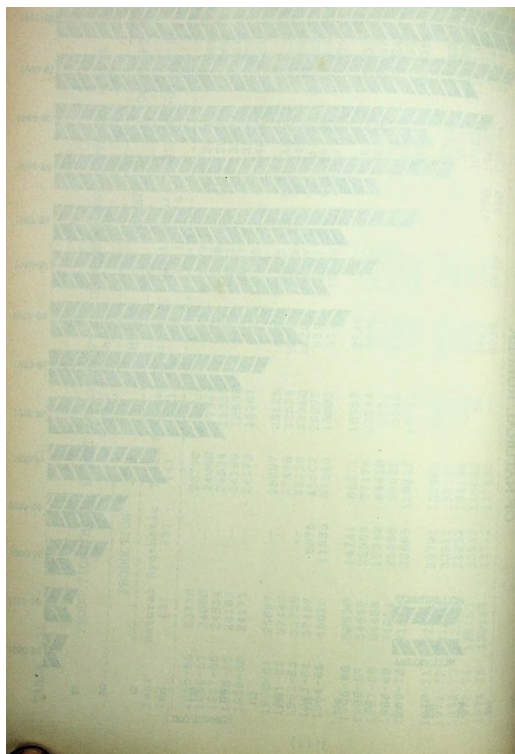


TABLE - 21 (Contn.)

Year	PRODUCTION			IMPORT		EXPORT		CONSUMPTION		
	Natural Synthetic (12)	Total Synthetic (13)	Total (14)	Natural (15)	Synthetic (16)	Total (17)	Natural (18)	Natural Synthetic (19)	Synthetic (20)	Total (21)
1975-76	137750	25119	162869	--	6391	6391	--	125692	32452	158144
1976-77	149632	23212	172844	--	7812	7812	12296	137623	34955	172578
1977-78	146867	27288	174275	--	8935	8935	11078	144967	36150	181117
1978-79	135287	28054	163351	14750	13309	28059	--	164524	40470	204994
1979-80	148470	29524	177994	32200	17314	49514	--	165245	43238	208483
1980-81	153100	25293	178393	9250	17492	26742	--	173630	47050	220680
1981-82	152870	28499	181369	42750	29659	72409	--	183420	52650	236070
1982-83	165850	30290	196140	33401	24394	57795	--	195545	55250	250795
1983-84	175280	32270	207550	35940	23287	59227	--	209480	62300	271780
1984-85	186450	37669	224119	37461	30248	67709	--	217510	65400	282910
1985-86	200465	34758	235223	41431	39086	80517	--	237440	70035	307475
1986-87	219520	38316	258336	45356	32600	77956	--	257305	71785	329090
1987-88	235197	44668	279865	53685	30100	83785	--	287480	76410	363890
1988-89	259172	54389	313561	59635	33950	93785	--	313830	84150	397980
1989-90	297300	53482	350782	44445	39000	83445	--	341840	93550	435390
1990-91	329615	57293	386908	51942	51880	103822	--	364310	104735	469045
1991-92	366745	57703	424448	14500	39800p	54300	5834	380150	105650	485800
1992-93	393490	58136	451626	16498	50118	66616	5999	414105	107440	521545

Note: Exported 660 Tonnes of Synthetic Rubber in 1974-75.

TABLE - 22

TOTAL STOCK OF NATURAL AND SYNTHETIC RUBBER WITH PRODUCERS
DEALERS AND MANUFACTURERS AT THE END OF EACH MONTH
(Metric Tonnes)

Months	1985-86 (1)	1986-87 (2)	1987-88 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
April	60210	67650	72290	77925	90750	90140	101655	83000	
May	62535	80945	79950	92440	93050	90850	102390	84485	
June	61000	85065	76440	88410	83980	87950	93875	73920	
July	56940	91280	75950	85280	79305	80265	83155	68585	
August	58080	87200	78020	76565	78200	80705	81985	61250	
September	58735	86770	81385	64800	77900	89940	90105	65470	
October	63190	92020	86525	75420	80970	99240	98320	74870	
November	68310	97000	88155	84440	86690	109880	107720	84275	
December	73610	99340	90935	97020	95500	122110	117630	104135	
January	74410	98975	92000	103095	94130	129415	125070	112385	
February	73720	88640	83450	92270	92165	115460	110460	99145	
March	69830	77800	77345	86280	85110	105930	92720	83430	

TABLE - 23

PRODUCTION, IMPORT, CONSUMPTION AND STOCK OF
NATURAL RUBBER AND SYNTHETIC RUBBER
(Metric Tonnes)

NATURAL RUBBER						
Year (1)	production (2)	Import (3)	Total (4)	Consumption (5)	Excess(+) or deficiency(-) compared with consumption (6)	Stock at the end of the period (7)
1965-66	50530	16357	66887	63765	+ 3122	16573
1966-67	54818	23544	78362	68685	+ 9677	25978
1967-68	64468	9551	74019	74518	- 499	25348
1968-69	71054	8548	79602	86615	- 7013	18222
1969-70	81953	17821	99774	86213	+13561	31778
1970-71	92171	2469	94640	87237	+ 7403	39109
1971-72	101210	437	101647	96454	+ 5193	44277
1972-73	112364	380	112744	104028	+ 8716	52957
1973-74	125153	52	125205	130302	- 5097*	45160
1974-75	130143	--	130143	132604	- 2461*	42349
1975-76	137750	--	137750	125692	+12058	53759
1976-77	149632	--	149632	137623	+12009*	53085
1977-78	146987	--	146987	144967	+ 2020*	44027
1978-79	135297	14750	150047	164524	-14477	29515
1979-80	148470	32200	180670	165245	+15425	44910
1980-81	153100	9250	162350	173630	-11280	33700
1981-82	152870	42750	195620	188420	+ 7200	39700
1982-83	165850	33401	199251	195545	+ 3706	43400
1983-84	175280	35940	211220	209480	+ 1740	45150
1984-85	186450	37461	223911	217510	+ 6401	51550
1985-86	200465	41431	241896	237440	+ 4456	55360
1986-87	219520	45356	264876	257305	+ 7571	62700
1987-88	235197	53685	288882	287480	+ 1402	64100
1988-89	259172	59835	319007	313830	+ 5177	69280
1989-90	297300	44445	341745	341840	- 95	69610
1990-91	329615	51942	381557	364310	+17247	86430
1991-92	366745	14500p	381245	380150	+ 1095*	81250
1992-93	393490	16498p	409988	414105	- 4117*	71140

* Exported 2700 tonnes in 1973-74, 350 tonnes in 1974-75,
12296 tonnes in 1976-77, 11078 tonnes in 1977-78,
5834 tonnes in 1991-92 and 5999 tonnes in 1992-93.

TABLE - 23 (Contn.)

SYNTHETIC RUBBER						
Year	production (8)	Import (9)	Total (10)	Consumption (11)	Excess(+) or deficiency(-) compared with consumption (12)	Stock at the end of the period (13)
1965-66	14741	2735	17476	21553	- 4077	4875
1966-67	22358	5606	27964	23592	+ 4372	8819
1967-68	19942	3127	23069	23324	- 255	8358
1968-69	25868	2909	28777	27238	+ 1539	9751
1969-70	28689	4736	33425	30636	+ 2789	12548
1970-71	29791	5014	34805	33160	+ 1645	13994
1971-72	32911	5627	38538	37209	+ 1329	15323
1972-73	21832	6044	27876	33913	- 6037	9286
1973-74	23542	5609	29151	23921	+ 5230	14500
1974-75	17712	6939	24651	24376	+ 275	13878
1975-76	25119	6391	31510	32452	- 942	12445
1976-77	23212	7812	31024	34955	- 3931	9090
1977-78	27288	9935	37223	36150	+ 1073	10443
1978-79	28054	13309	41363	40470	+ 893	10700
1979-80	29524	17314	46838	43238	+ 3600	15200
1980-81	25293	17492	42785	47050	- 4265	10900
1981-82	28499	29659	58158	52650	+ 5508	16200
1982-83	30290	24394	54684	55250	- 566	15700
1983-84	32270	23287	55557	62300	- 6743	8980
1984-85	37669	30248	67917	65400	+ 2517	11650
1985-86	34758	39086	73844	70035	+ 3809	14470
1986-87	36816	32600	71416	71785	- 369	15100
1987-88	44468	30100	74568	76410	- 1842	13245
1988-89	54389	33950	88339	84150	+ 4189	17000
1989-90	53482	39000	92482	93550	- 1068	15500
1990-91	57293	51880	109173	104735	+ 4438	19500
1991-92	57703	39800	97503	105650	- 8147	11470
1992-93	58136	50118	108254	107440	+ 814	12390

TABLE - 24

STATEWISE CONSUMPTION OF ALL KINDS OF RUBBER
(Metric Tonnes)

State/ Territory (1)	1965-66				1970-71			
	Natural (2)	Synthetic (3)	Reclaimed (4)	Total (5)	Natural (6)	Synthetic (7)	Reclaimed (8)	Total (9)
Delhi	1076	66	25	1167	1956	199	96	2251
Gujarat	882	70	5	957	1192	161	45	1398
Haryana	--	--	--	--	4475	2439	193	7107
Karnataka	242	72	52	366	631	609	358	1598
Kerala	3353	517	293	4163	6739	1798	380	8917
Maharashtra	16018	5886	1809	23713	19696	9897	3231	32824
Punjab	4555*	1901*	95*	6551*	2277	206	269	2752
Tamilnadu	9889	2768	1188	13845	17546	5966	2628	26142
Uttar Pradesh	444	32	17	493	1160	153	59	1372
West Bengal	27091	10234	6290	43615	30988	11634	7015	49637
Others	215	7	--	222	575	98	74	747
Total	63765	21553	9774	95092	87237	33160	14348	134745

* : Including Haryana

State/ Territory	1975-76			1980-81		
	Natural (10)	Synthetic (11)	Reclaimed Total (12)	Natural (14)	Synthetic (15)	Reclaimed Total (17)
Andhra Pradesh				2223	250	186 2859
Delhi	4188	591	196 4955	6311	1372	1071 8754
Goa & Daman	3483	268	78 3829	2409	350	55 2814
Gujarat	2138	447	230 2815	3034	560	583 4177
Haryana	11110	3109	698 14917	14974	4421	1548 20943
Karnataka	1920	953	644 3517	5770	1944	699 8413
Kerala	9288	1062	1069 11399	19283	4673	2293 26249
Maharashtra	28400	10662	4612 43680	33119	11678	5748 50545
Punjab	5743	227	206 6176	13232	1565	2463 17260
Tamilnadu	20900	4140	3526 28566	17050	4861	2472 24483
Uttar Pradesh	9672	1363	501 11536	22578	4601	2057 29236
West Bengal	27300	5090	7482 43972	27414	7771	7571 42756
Rajasthan				5482	2448	59 7989
Others	1590*	534*	100* 2224*	751	456	45 1252
Total :	125692	32452	19342 177486	173630	47050	26850 247930

NOTE: In 1975-76 consumption of rubber by M/S MRF Ltd. at their Kottayam unit was included in Tamil Nadu, but from 1980-81 onwards it is included in Kerala.

* Including Rajasthan and Andhra Pradesh.

TABLE - 24 (Contn.)

State/ Territory	1985-86			1990-91		
	Natural (18)	Synthetic (19)	Reclaimed (20)	Total (21)	Natural (22)	Synthetic (23)
					Reclaimed (24)	Total (25)
Andhra Pradesh	4538	901	439	5878	8907	2594
Delhi	10209	1654	552	12415	15613	3747
Goa & Daman	4180	1683	162	6025	6214	1501
Gujarat	4982	780	293	6035	6889	1402
Haryana	18780	7025	925	26730	22728	7106
Karnataka	11670	5119	1912	18701	16978	6602
Kerala	28341	5896	3375	37612	55365	15232
Madhya Pradesh	920	297	24	1241	4120	1040
Maharashtra	37351	14966	6550	58867	47219	21370
Punjab	27172	3845	10637	41654	48158	3735
Rajasthan	12259	3623	207	16089	17936	6932
Tamilnadu	19097	7340	3150	29587	21213	11254
Uttar Pradesh	29458	6889	4523	40870	46795	11396
West Bengal	27538	9091	5445	42074	42292	9635
Others	965	926	21	1912	5883	1189
Total	237440	70035	38215	345690	364310	104735
						52500
						521545

State/ Territory	1991-92			1992-93				
	Natural (26)	Synthetic (27)	Reclaimed Total (28)	Natural (30)	Synthetic (31)	Reclaimed Total (32)		
Andhra Pradesh	13992	3866	2282	20139	15003	5124	2692	22819
Bihar	1037	229	73	1339	985	242	181	1408
Delhi	16322	3696	1875	21893	17201	3271	2200	22672
Goa & Daman	7914	1235	549	9698	10533	1375	609	12517
Gujarat	8386	1339	1051	10776	15618	2851	1650	20119
Haryana	24641	6593	1679	32913	27198	6354	2885	35637
Karnataka	18486	6459	2466	27411	19598	6689	3222	29509
Kerala	51197	14893	4853	70943	52462	15646	5365	73473
Madhya Pradesh	5290	1246	1754	8290	9579	1954	1839	13372
Maharashtra	49321	20904	9360	79585	49174	20423	9707	79304
Orissa	3599	1607	57	5263	9308	3500	225	13033
Pondicherry	3692	1021	91	4804	3720	1022	36	4778
Punjab	51571	5025	13295	69891	53763	4609	15808	74180
Rajasthan	17968	6265	473	24706	22395	6385	517	29297
Tamilnadu	20402	9294	4195	33891	22003	7786	4566	34355
Uttar Pradesh	47448	11934	5389	64771	44962	10218	6486	61666
West Bengal	38338	10030	4558	52926	38485	9942	5261	53678
Others	620	35	15	670	2114	522	52	522

TABLE - 25

VALUE OF RUBBER IMPORTED FROM VARIOUS COUNTRIES
('000 Rs)

Country (1)	1965-66 (2)	1970-71 (3)	1975-76 (4)	1976-77 (5)	1978-79 (6)	1980-81 (7)	1982-83 (8)
	Natural Rubber						
Malaysia	28386	5431	--	56	112816	35437	137357
Singapore	--	573	39	27	--	61252	52337
Sri Lanka	8187	1879	--	--	27764	--	19189
U. S. A	202	883	12	430	--	587	55
Canada	326	1294	488	--	--	117	--
U. K.	377	39	70	122	1	96	186
Germany(FR)	46	433	--	23	12	38	164
France	120	60	546	1310	--	110	318
Belgium	--	--	1039	--	--	--	76
Others	13	213	582	803	8	2409	49046
Total	37657	10605	2776	2771	140401	100046	258728

TABLE - 25 (Contn.)

Country	1984-85 (9)	1986-87 (10)	1987-88 (11)	1988-89 (12)	1989-90 (13)	1990-91 (14)	1991-92 (15)
	Natural Rubber						
Malaysia	271982	345150	584553	822277	502492	472748	120892
Singapore	1993	10730	13376	30174	70007	164155	21929
Sri Lanka	6014	3418	1357	11753	4525	8867	32107
U. S. A	237	264	927	10942	29	3409	1090
Canada	--	--	--	--	--	--	--
U. K.	9	26	2174	4499	241	1153	1
Germany(FR)	31	1472	899	2360	7	--	--
France	968	2237	8476	11779	221	--	567
Belgium	--	--	--	208	--	3235	--
Others	48843	78163	52129	49394	78896	108724	119603
Total	330077	441460	663881	943386	656418	762291	296189

TABLE - 25(Contn..)

Country	1965-66 (16)	1970-71 (17)	1975-76 (18)	1976-77 (19)	1978-79 (20)	1980-81 (21)	1982-83 (22)
Synthetic Rubber and Substitutes							
U.S.A	4182	9917	8584	9048	20834	53923	68064
Canada	3702	9390	6324	5177	8449	10502	92
Germany(FR)	1274	3046	6184	7775	17431	15050	13482
U. K.	780	1619	1259	1733	2417	2459	8242
France	316	592	4901	3123	9785	12116	29244
Netherlands	3	40	728	97	174	997	9792
Belgium	56	1126	26272	25632	31030	38268	79912
Japan	--	883	10744	25871	49542	42232	123514
Others	580	1267	166	1089	1660	13880	49684
Total	10893	27880	65162	79545	141322	189227	380006
Reclaimed Rubber*							
Germany (FR)	87	8	--	--	--	--	--
U. K.	141	--	--	--	--	--	--
U. S. A.	20	--	--	1300	73	--	--
Others	164	--	--	--	128	107	584
Total	412	8	--	1300	201	107	584

Country	1984-85 (23)	1986-87 (24)	1987-88 (25)	1988-89 (26)	1989-90** (27)	1990-91** (28)	1991-92* (29)
Synthetic Rubber and Substitutes							
U.S.A.	58422	35621	84169	90341	99865	169848	123066
Canada	17438	44866	17092	3318	28	14845	14896
Germany(FR)	50265	40573	42406	44333	73340	103365	118965
U. K.	8905	18423	17555	47939	46762	57240	40907
France	50292	50328	42734	37831	59028	147074	152497
Netherlands	2401	2902	4206	7204	14931	21230	26635
Belgium	70462	68287	92255	143936	203476	280916	231361
Japan	202354	270249	188833	300382	380850	443534	580140
Others	81247	100528	50583	108548	181839	258998	230856
Total	541786	631777	539833	783832	1059715	1497050	1519123
Reclaimed Rubber*							
Germany (FR)	--	61	240	714	--	--	--
U. K.	--	--	79	71	--	--	--
U. S. A.	10	--	156	446	--	--	--
Others	402	1344	372	656	--	--	--
Total	412	1405	847	1887	--	--	--

* including waste and scrap of unhardened rubber

** including waste and scrap of unhardened rubber

Source: Annual Report, Directorate of Foreign Trade of India

TABLE-26

PRICE OF UNGRADED NATURAL RUBBER
(Average price in Rs. per 100 kg. for ungraded rubber in Kottayam market)

Month (1)	1985-86 (2)	1986-87 (3)	1987-88 (4)	1988-89 (5)	1989-90 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
April	1580	1706	1802	1714	1839	2170	1994	2327
May	1651	1706	1797	1721	1978	2195	2014	2417
June	1655	1620	1725	1693	2233	2349	2005	2541
July	1692	1566	1799	1726	2410	2193	2009	2428
August	1706	1552	1730	1776	2309	1880	2018	2465
September	1678	1501	1705	1838	1942	2013	1959	2547
October	1672	1498	1697	1825	1844	1894	1918	2589
November	1625	1505	1643	1699	1823	1868	1882	2332
December	1616	1508	1636	1674	1943	1885	1903	2225
January	1669	1585	1735	1699	2115	1947	1898	2256
February	1672	1649	1714	1764	2103	1968	1912	2469
March	1714	1709	1731	1809	2146	1954	2194	2442
Average	1661	1592	1726	1745	2067	2023	1975	2420

TABLE - 27

PRICE OF RMA GRADE SHEETS
(Average price in Rs per 100 kg in Kottayam market)

Month (1)		RMA 1 (2)	RMA 2 (3)	RMA 3 (4)	RMA 4 (5)	RMA 5 (6)
April	1985	1888	1649	1627	1608	1584
May	"	1819	1814	1766	1729	1696
June	"	1846	1784	1748	1723	1674
July	"	1876	1850	1790	1746	1715
August	"	1918	1869	1805	1775	1725
September	"	1935	1890	1839	1781	1701
October	"	1945	1918	1823	1785	1718
November	"	1857	1835	1797	1772	1662
December	"	1886	1850	1745	1716	1660
January 1986		1883	1825	1756	1729	1686
February	"	1847	1810	1736	1694	1682
March	"	1845	1805	1744	1726	1717
Average		1862	1825	1765	1732	1685
April	1986	1815	1795	1771	1734	1723
May	"	1905	1830	1765	1738	1714
June	"	1813	1760	1748	1680	1650
July	"	1790	1730	1705	1669	1584
August	"	1795	1742	1722	1686	1591
September	"	1732	1702	1652	1605	1532
October	"	1713	1684	1645	1584	1517
November	"	1719	1680	1648	1591	1519
December	"	1701	1680	1639	1598	1529
January 1987		1705	1675	1655	1633	1594
February	"	1784	1762	1729	1675	1654
March	"	1833	1810	1768	1729	1710
Average		1775	1738	1704	1660	1610
April	1987	1885	1865	1840	1816	1802
May	"	1930	1910	1885	1847	1797
June	"	1900	1875	1857	1821	1725
July	"	1935	1915	1900	1860	1799
August	"	1910	1890	1870	1816	1730
September	"	1860	1825	1790	1750	1705
October	"	1870	1830	1800	1753	1697
November	"	1910	1850	1795	1746	1643
December	"	1920	1875	1800	1743	1685
January 1988		1960	1905	1845	1788	1754
February	"	1930	1885	1820	1778	1735
March	"	1925	1872	1805	1768	1746
Average		1911	1875	1834	1791	1735

TABLE-27 (Contn.)

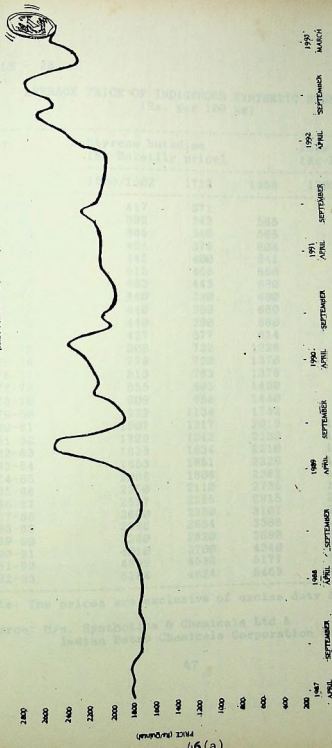
Month		RMA 1 (7)	RMA 2 (8)	RMA 3 (9)	RMA 4 (10)	RMA 5 (11)
April	1988	1900	1840	1800	1762	1735
May	"	1900	1845	1800	1776	1750
June	"	1895	1842	1800	1786	1725
July	"	1930	1885	1850	1828	1755
August	"	1990	1940	1920	1894	1826
September	"	2006	1972	1939	1904	1862
October	"	1990	1958	1925	1902	1856
November	"	1903	1868	1827	1792	1699
December	"	1885	1845	1791	1757	1674
January	1989	1873	1833	1781	1755	1699
February	"	1868	1834	1809	1789	1764
March	"	1889	1875	1855	1834	1809
Average		1919	1878	1841	1815	1763
April	1989	1920	1904	1884	1858	1839
May	"	2150	2095	2050	2020	1978
June	"	2402	2349	2319	2284	2233
July	"	2658	2620	2575	2538	2410
August	"	2632	2599	2545	2509	2309
September	"	2085	2065	2055	2047	1942
October	"	2050	1975	1920	1902	1844
November	"	2131	2044	1982	1933	1823
December	"	2190	2125	2048	2007	1943
January	1990	2308	2258	2234	2163	2115
February	"	2308	2265	2212	2135	2103
March	"	2334	2297	2246	2175	2146
Average		2264	2216	2173	2131	2057
April	1990	2356	2301	2264	2213	2170
May	"	2375	2328	2300	2266	2195
June	"	2575	2535	2515	2408	2349
July	"	2428	2360	2338	2282	2133
August	"	2200	2150	2078	2027	1880
September	"	2267	2217	2155	2104	2013
October	"	2210	2138	2070	2025	1938
November	"	2103	2057	2030	1980	1920
December	"	2119	2066	2031	1981	1916
January	1991	2190	2142	2108	2047	1988
February	"	2242	2207	2146	2096	2024
March	"	2245	2204	2143	2114	2027
Average		2276	2225	2182	2129	2046

TABLE -27(Contn.)

Month		RMA 1 (12)	RMA 2 (13)	RMA 3 (14)	RMA 4 (15)	RMA 5 (16)
April	1991	2247	2203	2154	2113	2042
May	"	2206	2181	2145	2115	2075
June	"	2213	2183	2136	2115	2061
July	"	2318	2273	2227	2166	2079
August	"	2431	2384	2335	2285	2188
September	"	2363	2305	2239	2174	2107
October	"	2310	2250	2173	2115	2015
November	"	2300	2240	2143	2112	2037
December	"	2209	2158	2103	2083	2040
January	1992	2220	2142	2097	2075	2040
February	"	2211	2161	2099	2069	2040
March	"	2394	2341	2300	2268	2245
Average		2285	2235	2179	2141	2081
April	1992	2472	2441	2415	2397	2333
May	"	2642	2595	2525	2470	2453
June	"	2840	2778	2723	2680	--
July	"	2691	2660	2598	2542	2453
August	"	2704	2671	2619	2577	2479
September	"	2927	2849	2813	2764	2589
October	"	2988	2906	2855	2793	2639
November	"	2856	2754	2710	2583	2403
December	"	2635	2585	2451	2332	2263
January	1993	2624	2538	2410	2363	2298
February	"	2735	2666	2613	2562	2508
March	"	2750	2668	2656	2534	2488
Average		2739	2676	2616	2550	2446

CHART No. 5

PRICE TREND OF RUBBER (RMA-415217AYAM)



Note: The prices are exclusive of excise duty & other taxes.
Source: M/s. Synthetics & Chemicals Ltd & Indian Petro Chemicals Corporation.

TABLE 1. (Continued)

Month	1954	1955	1956	1957	1958
April	2043	2082	2154	2113	2042
May	2025	2181	2145	2115	2075
June	2115	2183	2130	2115	2051
July	2205	2273	2027	2108	2079
August	2242	2254	2235	2247	2100
September	2263	2281	2239	2247	2100
October	2262	2270	2173	2247	2215
November	2288	2240	2145	2247	2277
December	2282	2185	2105	2247	2277
January	2282	2147	2007	2247	2277
February	2275	2141	2000	2247	2277
March	2281	2241	2240	2247	2277
Average	2225	2225	2177	2147	2140
April	2472	2441	2415	2447	2447
May	2502	2502	2525	2479	2447
June	2540	2570	2525	2479	2447
July	2545	2560	2500	2542	2447
August	2545	2571	2519	2577	2447
September	2545	2549	2513	2584	2447
October	2545	2505	2535	2587	2447
November	2545	2513	2540	2583	2447
December	2545	2521	2481	2582	2447
January	2545	2526	2410	2583	2447
February	2545	2526	2515	2582	2447
March	2545	2540	2545	2584	2447
Average	2532	2470	2510	2570	2440

TABLE - 28

AVERAGE PRICE OF INDIGENOUS SYNTHETIC RUBBER
(Rs. per 100 kg)

Year	Styrene butadine (Ex-Bareilly price)		Poly butadiene (Ex-Baroda Price)	
	1500/1502	1712	1958	1203/1220
1963-64	417	371		--
1964-65	392	343	565	--
1965-66	385	340	565	--
1966-67	424	379	604	--
1967-68	445	400	641	--
1968-69	515	465	680	--
1969-70	493	443	680	--
1970-71	440	390	680	--
1971-72	440	390	680	--
1972-73	440	390	680	--
1973-74	427	377	614	--
1974-75	902	732	1226	--
1975-76	779	720	1370	--
1976-77	813	763	1378	--
1977-78	855	805	1420	--
1978-79	909	858	1440	853
1979-80	1222	1134	1732	976
1980-81	1507	1317	2019	1224
1981-82	1729	1542	2130	1414
1982-83	1833	1634	2210	1477
1983-84	1853	1651	2226	1477
1984-85	2086	1808	2382	1698
1985-86	2350	2110	2736	1928
1986-87	2517	2285	2915	2072
1987-88	2600	2380	3107	2180
1988-89	2886	2654	3368	2246
1989-90	3280	2820	3690	2505
1990-91	4010	3700	4340	2903
1991-92	4899	4536	5177	3632
1992-93	5184	4824	5463	4000p

Note: The prices are exclusive of excise duty & other taxes.

Source: M/s. Synthetics & Chemicals Ltd &
Indian Petro Chemicals Corporation Ltd.

TABLE - 29

DISTRIBUTION OF MANUFACTURERS ACCORDING TO THEIR TOTAL CONSUMPTION OF RUBBER

1975-76										
1970-71					1980-81					
Consumption Group	No. of Manufacturers	CONSUMPTION			No. of Manufacturers	CONSUMPTION			Total	
		Natural	Synthetic	Reclaimed		Natural	Synthetic	Reclaimed		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
A	847	2168	445	173	2786	1097	5133	671	486	6290
B	280	5662	1210	415	7487	503	12127	1819	1030	14976
C	62	3407	1173	399	4979	135	9178	1597	628	11403
D	68	9577	3270	1866	14513	84	13425	3646	2168	19239
E	13	8138	1802	1953	9893	10	4830	824	1450	7104
F	11	60085	25260	9742	95087	15	80899	23895	13580	118474
Total	1281	87237	33160	14348	134745	1844	125692	32452	19342	177486

1985-86										
1980-81					1985-86					
Consumption Group	No. of Manufacturers	CONSUMPTION			No. of Manufacturers	CONSUMPTION			Total	
		Natural	Synthetic	Reclaimed		Natural	Synthetic	Reclaimed		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
A	1696	4202	597	496	5295	1955	7951	1356	774	10081
B	817	17016	2831	2116	21963	1318	25805	4108	3792	33705
C	159	9944	2901	2431	15276	241	13556	4951	3030	22337
D	112	17783	5834	3830	27447	201	32821	13340	5157	51318
E	18	9674	2731	1771	14176	21	8263	4106	3203	15572
F	24	115011	32156	16206	163373	33	148244	42174	22259	212677
Total	2826	173630	47050	26850	247530	3769	237440	70035	38215	345690

Note: Regarding Consumption Group, see Page 58

Note: - Rounding Consumption Group. See page 56.

TABLE - 29(Contn.)

1986-87										1987-88										
Consumption Group	No. of Manuf-cturers (22)	CONSUMPTION				No. of Manuf-cturers (27)	CONSUMPTION				No. of Manuf-cturers (28)	CONSUMPTION				No. of Manuf-cturers (29)	CONSUMPTION			
		Nat-ural	Synt-hetic	Recla-ined	Total		Nat-ural	Synt-hetic	Recla-ined	Total		Nat-ural	Synt-hetic	Recla-ined	Total					
A	2073	8607	1325	888	10820	2296	9275	2374	1110	12759										
B	1395	27930	4238	4237	36405	1519	33054	4634	4387	42075										
C	301	17874	5128	3641	26643	309	19519	5659	4098	29276										
D	182	35467	12053	5793	53313	202	35822	12956	5817	54385										
E	30	15526	3856	3936	22718	36	17597	4166	3597	25360										
F	28	151901	45185	20740	217826	31	172413	46621	22131	241165										
Total	4009	257305	71785	38635	367725	4393	287480	76410	41140	405030										

1988-89										1989-90										
Consumption Group	No. of Manuf-cturers (32)	CONSUMPTION				No. of Manuf-cturers (37)	CONSUMPTION				No. of Manuf-cturers (38)	CONSUMPTION				No. of Manuf-cturers (39)	CONSUMPTION			
		Nat-ural	Synt-hetic	Recla-ined	Total		Nat-ural	Synt-hetic	Recla-ined	Total		Nat-ural	Synt-hetic	Recla-ined	Total					
A	2410	5957	2430	1129	9516	2568	8107	2312	1110	11529										
B	1633	33368	4478	4183	42029	1614	35104	4587	3878	43569										
C	316	18560	5331	3671	27562	349	20542	4963	3409	28914										
D	252	40780	12957	5084	58821	269	44196	14485	4595	63286										
E	35	17689	4341	3131	25171	36	18315	4834	3180	26329										
F	42	197466	54613	25252	277331	45	215576	62359	27763	305698										
Total	4688	313830	84150	42450	440430	4881	341840	93550	43935	479325										

TABLE - 29(Contn.)

Consumption Group	No. of Manuf- cturers (42)	1990-91				1991-92			
		CONSUMPTION				CONSUMPTION			
		Nat- ural (43)	Synt- hetic (44)	Recla- imed (45)	Total (46)	Nat- ural (46)	Synt- hetic (48)	Recla- imed (50)	Total (51)
A	2686	11023	3199	1625	15847	11206	2601	2039	15846
B	1639	38447	11043	5724	55214	42177	9694	6897	58568
C	335	19062	5810	3503	28375	23313	6959	4682	34954
D	291	56490	18640	10570	85700	48163	20993	13326	82482
E	34	18892	4731	1840	25463	22428	5365	2758	30551
F	43	220396	61312	29238	310946	232863	60038	24513	317414
Total	5028	364310	104735	52500	521545	380150	105650	54015	539815

Note: -A 10 tonnes and below, B above 10 tonnes and upto and including 50, C above 50 tonnes and upto and including 100, D above 100 tonnes and upto and including 500, E above 500 tonnes and upto and including 1000, F above 1000 tonnes.

TABLE - 30

NUMBER OF LICENSED MANUFACTURERS IN DIFFERENT STATES AT THE END OF EACH YEAR

State/Territory (1)	1965-66 (2)	1970-71 (3)	1975-76 (4)	1980-81 (5)	1985-86 (6)	1990-91 (7)	1991-92 (8)	1992-93 (9)
Assam	--	4	2	2	3	3	5	5
Andhra Pradesh	8	15	42	80	107	158	192	177
Bihar	6	7	25	29	30	47	45	41
Delhi	110	153	178	274	326	377	366	370
Gujarat	40	78	134	191	262	304	337	344
Goa	--	1	5	6	12	24	23	24
Kerala	54	119	221	391	599	816	893	909
Haryana	--	65	114	181	213	252	262	247
Himachal Pradesh	--	--	--	3	9	12	9	12
Madhya Pradesh	5	15	15	24	46	85	81	94
Tamil Nadu	34	64	111	212	328	491	524	549
Maharashtra	162	230	280	373	468	569	581	585
Karnataka	7	17	51	90	162	221	237	241
Orissa	1	2	2	10	17	19	18	16
Punjab*	172@	201	183	339	371	538	543	583
Rajasthan	7	9	16	19	44	66	73	82
Uttar Pradesh	58	103	163	249	352	504	502	492
West Bengal	175	198	301	351	413	494	501	495
Others	--	--	1	2	9	46	57	33
Total	839	1281	1844	2826	3769	5028	5249	5302

* includes Chandigarh also.

@ includes Haryana also.

TABLE-31

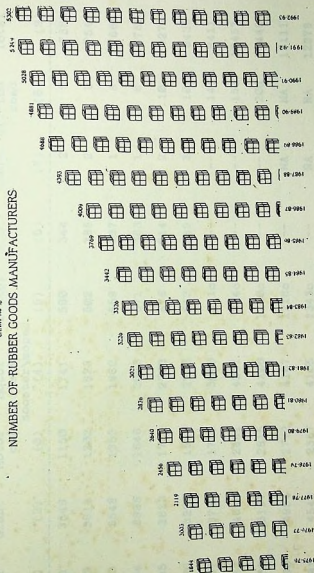
PRODUCTION OF TYRES
('000 nos)

Year	CATEGORY												Total
	Truck & Bus	Tractor	Cars	Jeeps & Lcv	Motor Cycles	Scooter	Moped	A.D.V	OTR	Aero	Indus-		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
1981	3120	685	979	699	680	1720	3	402	12	16	--	8316	
1982	3530	688	988	802	668	1668	232	464	12	21	--	9073	
1983	3630	778	1073	823	703	1752	293	490	16	17	--	9575	
1984	3582	906	1334	1019	822	2018	371	429	15	14	8	10518	
1985	3607	894	1536	986	1039	2203	679	411	15	12	12	11394	
1986	3889	951	1479	962	1405	3117	757	472	13	15	22	13082	
1987	4004	1101	1637	1007	1743	3685	934	522	13	15	19	14680	
1988	4875	1314	1952	1295	2086	4187	1210	620	20	18	18	17595	
1989	5087	1443	2260	1406	2080	4560	1372	916	29	11	14	19178	
1990	5160	1523	2477	1517	2328	4994	1410	883	30	15	8	20345	
1991p	5379	1398	2193	1244	1786	4475	622*	589	31	8	15	17740	

*: Include only two companies

Source : Automotive Tyre Manufacturers Association, New Delhi.

CHART No. 4
NUMBER OF RUBBER GOODS MANUFACTURERS



1902-1903

Production of rubber
(in tons)

Year	Trunk	Branch	Leaf	Splice	Other	Total
1902	1,100	1,100	1,100	1,100	1,100	5,500
1903	1,200	1,200	1,200	1,200	1,200	6,000
1904	1,300	1,300	1,300	1,300	1,300	6,500
1905	1,400	1,400	1,400	1,400	1,400	7,000
1906	1,500	1,500	1,500	1,500	1,500	7,500
1907	1,600	1,600	1,600	1,600	1,600	8,000
1908	1,700	1,700	1,700	1,700	1,700	8,500
1909	1,800	1,800	1,800	1,800	1,800	9,000
1910	1,900	1,900	1,900	1,900	1,900	9,500
1911	2,000	2,000	2,000	2,000	2,000	10,000
1912	2,100	2,100	2,100	2,100	2,100	10,500
1913	2,200	2,200	2,200	2,200	2,200	11,000
1914	2,300	2,300	2,300	2,300	2,300	11,500
1915	2,400	2,400	2,400	2,400	2,400	12,000
1916	2,500	2,500	2,500	2,500	2,500	12,500
1917	2,600	2,600	2,600	2,600	2,600	13,000
1918	2,700	2,700	2,700	2,700	2,700	13,500
1919	2,800	2,800	2,800	2,800	2,800	14,000
1920	2,900	2,900	2,900	2,900	2,900	14,500
1921	3,000	3,000	3,000	3,000	3,000	15,000

* Include only two companies

Source: American Tyre Manufacturers Association, New York

TABLE-32

PRODUCTION OF TUBES

Year	Giant	Motor car cycle & scooter/moped	Automobile tubes('000 nos)					Off-the road	Total
			(1)	(2)	(3)	(4)	(5)		
1981	3549	1150	1741	590	344	2	9	7385	
1982	3618	1202	1823	502	385	2	9	7541	
1983	3548	1353	1862	559	337	1	6	7666	
1984	3996	1646	2063	671	383	1	8	8768	
1985	3823	1724	2723	676	314	2	10	9272	
1986	3270	1555	2718	613	269	3	10	8438	
1987	3752	1734	3000	911c	--	--	--	14d	9411
1988	4896	2461	4211	874c	--	--	--	15d	12457
1989	5197	2815	4206	1210c	--	--	--	20d	13448
1990	4954	2772	4167	1218c	--	NA	NA	NA	13111
1991	4543	2387	4105	1343c	--	NA	NA	NA	12378

Source: Directorate General of Technical Development upto 1988 and Rubber India for 89 onwards

Source: Directorate General of Technical Development upto 1988 and Rubber India for 89 onwards

c: Includes A.D.V. tubes also.

d: Includes Aero tubes also.

NA: Not Available

TABLE-33

PRODUCTION OF VEHICLES
(In numbers)

Year (1)	Commercial Vehicles (2)	Tractors (3)	Cars (4)	Jeeps (5)	Motor Cycles (6)	Scooters (7)	Three Wheelers (8)	Mopeds (9)	Total (10)
1980-81	74174	70306	31275	15667	104223	212039	26930	124048	858662
1981-82	93365	82360	42475	17867	115304	223550	25801	207222	807944
1982-83	87758	62597	43558	20234	135810	264540	31831	232115	878493
1983-84	90069	74216	46901	21681	163290	276433	38575	339881	1051046
1984-85	96004	81821	76090	23208	187147	314748	43508	398053	1218579
1985-86	100452	73456	102804	27961	267107	461860	49947	461950	1545537
1986-87	99153	79073	125866	28784	302520	642038	54566	448688	1781688
1987-88	110100	86597	151875	32036	335879	589734	61112	511699	1890832
1988-89	116447	107183	165798	35754	429017	725305	79361	482001	2140866
1989-90	125051	117690	179278	44309	417401	874992	83752	438293	2281768
1990-91	144594	138538	181818	37369	470369	910315	89182	440092	2412247
1991-92p	144248	148123	185309	31530	430366	768568	76750	406804	2189696

Source: Automotive Component Manufacturer's Association of India, New Delhi.

TABLE-34

REGISTERED MOTOR VEHICLES IN INDIA
(Qty.in'000 nos.)

Year	Two wheelers	Cars, Jeeps & taxis	Buses	Trucks	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1975	946	766	114	335	311	2472
1976	1057	779	115	351	398	2700
1977	1415	878	119	383	465	3260
1978	1618	919	124	403	550	3614
1979	1888	996	133	444	598	4059
1980	2117	1059	140	478	732	4526
1981	2599	1147	159	542	889	5336
1982	3043	1230	170	601	953	5997
1983	3626	1370	181	662	1066	6905
1984	4327	1430	196	728	1193	7874
1985	5149	1589	219	808	1332	9097
1986	6207	1758	223	848	1454	10490
1987	7703	1990	241	971	1634	12539
1988	9257	2279	266	1101	1830	14733
1989	10965	2486	278	1180	2011	16920
1990p	12531	2736	313	1290	2306	19176
1991p	14047	3013	333	1411	2506	21310
1992*	15026	3130	341	1425	2661	22583

* : Estimated

Source: Motor Transport Statistics of India

TABLE-35

IMPORT OF VEHICLES
(Figures in nos.)

Year	Car	Jeep	Truck	Tractor	Motor Cycle	Scooter	Moped	Trailers	Bus	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(12)
1975	30	22	44	17	2	2	0	7	4	128
1976	26	4	97	22	7	0	0	27	2	185
1977	67	9	39	33	42	5	3	0	2	200
1978	55	7	62	20	15	0	0	15	3	177
1979	53	0	94	35	16	0	3	7	8	216
1980	286	0	66	70	7	4	3	3	6	445
1981	81	0	60	28	7	7	5	2	8	198
1982	115	0	70	15	4	8	3	4	5	224
1983	151	0	113	19	8	11	17	19	4	342
1984	194	28	34	9	7	15	3	13	3	306
1985	175	7	27	4	26	36	0	5	0	280
1986	862	7	35	13	16	7	5	4	0	949
1987	535	164	49	21	18	0	2	11	2	802
1988	315	60	45	10	0	0	0	2	5	437

Source: Monthly Statistics of Foreign Trade in India Vol.2 Imports.

TABLE-36

CONSUMPTION OF ALL KINDS OF RUBBER ACCORDING TO END PRODUCTS
(Tonnes)

Products (1)	1975-76				1980-81			
	NR (2)	SR (3)	RR (4)	Total (5)	NR (6)	SR (7)	RR (8)	Total (9)
1. Automobile tyres & tubes*	62115	17451	4887	84453	87295	26598	6061	119954
2. Cycle tyres & tubes	15979	3056	5414	24449	20664	5346	7860	33870
3. Camel back	5545	2303	682	8530	9130	2484	2005	13619
4. Footwears	12387	4535	2155	19077	17800	6051	3214	27065
5. Belts and hoses	8943	1194	1342	11479	11812	2034	1885	15731
6. Latex foam	2033	--	--	2033	5753	--	--	5753
7. Cables and wires	590	300	18	908	779	435	138	1350
8. Battery boxes	280	561	2275	3116	485	778	3220	4483
9. Dipped goods	3478	--	--	3478	4945	--	--	4945
10. Others	14342	3052	2569	19963	14967	3324	2469	20760
Total	125692	32452	19342	177486	173630	47050	26850	247530

* Includes Tractor, Aero, ADV and Off-the-road.

TABLE - 36(Contn.)

Products	1985-86				1989-90			
	NR (10)	SR (11)	RR (12)	Total (13)	NR (14)	SR (15)	RR (16)	Total (17)
1. Automobile tyres & tubes*	114031	36007	7381	157419	154225	51129	7284	212638
2. Cycle tyres & tubes	28915	9220	9972	48107	45406	9411	14367	69184
3. Camel back	15047	4142	2943	22132	24138	4224	3367	31729
4. Footwears	24194	9645	5245	39084	35426	15640	5882	56848
5. Belts and hoses	15870	4372	2856	23098	23720	8047	3140	32907
6. Latex foam	11396	--	--	11396	17783	--	--	17783
7. Cables and wires	1004	708	259	1971	1208	1024	538	2770
8. Battery boxes	890	1128	5720	7738	1197	1527	7098	9822
9. Dipped goods	9050	--	--	9050	14052	--	--	14052
10. Others	16043	4813	3839	24695	24685	4548	4624	33857
Total	237440	70035	38215	345690	341840	93550	48300	481690

TABLE - 36(Contn.)

Products	1990-91				1991-92			
	NR (18)	SR (19)	RR (20)	Total (21)	NR (22)	SR (23)	RR (24)	Total (25)
1. Automobile tyres & tubes*	161578	52935	7607	222120	165790	52679	7738	226207
2. Cycle tyres & tubes	50180	10929	16344	77453	52639	10875	17545	81059
3. Camel back	25440	5414	3498	34352	26747	5320	3450	35517
4. Footwears	37574	19251	6819	63644	39904	20550	6750	67204
5. Belts and hoses	25583	7194	3610	36387	27119	7250	3660	38029
6. Latex foam	19598	--	--	19598	20750	--	--	20750
7. Cables and wires	1252	1154	590	2996	1120	1055	570	2745
8. Battery boxes	1265	2038	8235	11538	1260	2010	8452	11722
9. Dipped goods	15578	--	--	15578	17067	--	--	17067
10. Others	26262	5820	5797	37879	27754	5911	5850	39515
Total	364310	104735	52500	521545	380150	105650	54015	539815

TABLE-37

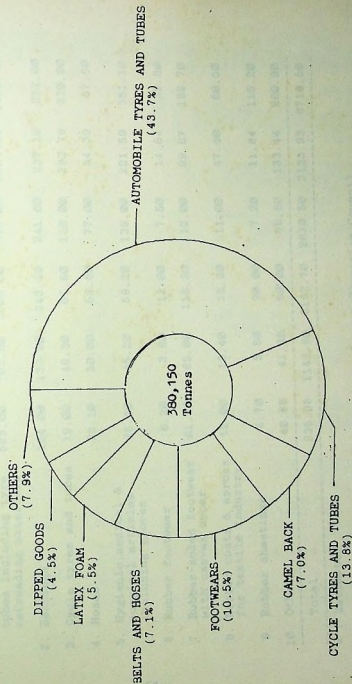
VALUE OF RUBBER PRODUCTS EXPORTED
(Value in million Rs.)

Products (1)	1965-66 (2)	70-71 (3)	75-76 (4)	80-81 (5)	85-86 (6)	86-87 (7)
1. Automobile tyres and tubes including tyre retreading materials	27.48	55.38	85.15	131.53	470.00	595.00
2. Beltings	0.12	1.64	8.88	42.80	395.00	200.00
3. Cycle tyres and tubes	2.31	4.36	9.89	25.88	10.00	6.30
4. Hoses	0.79	1.88	2.74	8.23	65.00	27.00
5. Hygienic, medical & surgical articles including gloves	0.21	6.18	2.40	20.94	7.07	20.01
6. Rubber footwear	0.88	1.59	1.36	3.66	5.00	5.70
7. Rubber-soled footwear with canvas upper	13.98	21.57	21.75	41.77	45.00	49.30
8. Rubber coats & aprons for textile industry	1.57	1.46	0.85	3.94	7.10	7.00
9. Rubber sheetings	0.07	0.47	0.80	0.63	5.00	5.00
10. Others	2.58	2.42	11.54	34.23	60.83	55.09
Total	49.89	96.96	145.33	313.60	1070.00	970.40

CHART NO. 7

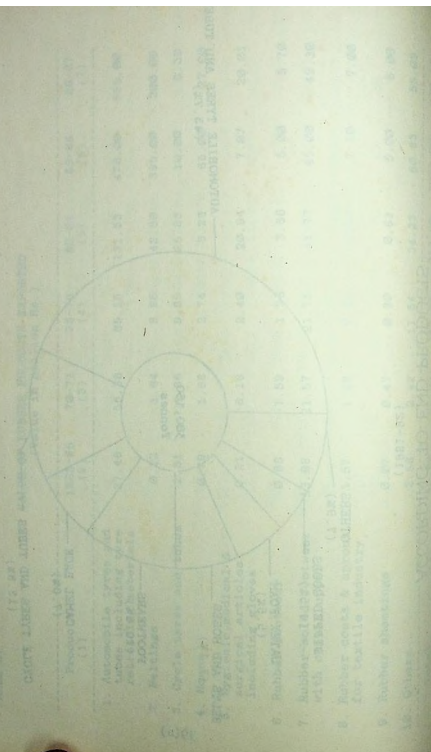
CONSUMPTION OF NATURAL RUBBER ACCORDING TO END PRODUCTS

(1991-92)



FIGURES IN BRACKETS INDICATE PERCENTAGE TO TOTAL CONSUMPTION

TABLE 37
(73-88)
COSTS LATER AND LATER EARLY IN THE PERIOD 1910-1914



1910-1914

TABLE - 37(Contn..)

Products	1987-88* (8)	88-89* (9)	89-90* (10)	90-91* (11)	91-92* (12)	92-93* (13)
1. Automobile tyres and tubes including tyre retreading materials	583.00	763.00	1505.00	1826.00	2021.00	4815.70
2. Beltings	154.00	130.00	243.20	241.00	237.10	252.00
3. Cycle tyres and tubes	19.00	46.30	67.60	120.00	292.76	620.00
4. Hoses	28.10	30.00	52.80	77.00	54.39	57.60
5. Hygienic, medical & surgical articles including gloves	26.30	45.20	59.20	139.00	221.59	351.10
6. Rubber footwear	6.20	3.60	12.00	7.50	14.64	32.80
7. Rubber-soled footwear with canvas upper	61.80	65.00	116.30	112.00	99.57	152.70
8. Rubber coats & aprons for textile industry	12.00	13.40	16.60	11.00	47.60	60.50
9. Rubber sheetings	4.70	5.80	20.00	7.20	11.84	115.20
10. Others	40.88	41.30	60.00	89.80	133.44	260.90
Total	935.98	1143.60	2152.70	2630.50	3133.33	6718.50

* : Estimated

Source : Chemicals and Allied Products Export Promotion Council

TABLE-38

QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED
(Value in '000 Rs)

Products (1)	Unit (2)	1970-71		1975-76	
		Quantity (3)	Value (4)	Quantity (5)	Value (6)
1. TYRES					
Aircraft	Nos.	2519	2297	2252	3056
Cycle	"	8542	43	--	--
Motor car, Truck & Bus	"	885	271	1589	812
Tractor and other OTR	"	10059	3084	9184	5597
Motor cycle	"	5014	103	81	4
Solid Rubber Tying	"	262	51	31	15
Solid Rubber tying(NES)	MT	291	3739	422	7181
Others	Nos.	4594	974	2849	702
Total			10562		17309
2. TUBES					
Aircraft	Nos.	1348	175	4538	489
Cycle	"	145	3	--	--
Motor car, Truck and Bus	"	3813	136	444	23
Tractor and other OTR	"	803	908	2239	385
Motor cycle	"	500	2	--	--
Others	"	3447	332	2420	245
Total			1556		1142
3. FLAPS	Nos.	758	12	17	8
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	19	2002	0.6	70
Others	Kg.	723	16	108	4
5. BELTING					
Conveyor	Tonnes	35	373	1077	28580
Others	"	117	3493	53	2260
6. FOOTWEAR	Pairs	--	--	--	--
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	28335	1409	--	--
8. RUBBERISED AND OTHER IMPREGNATED ARTICLES	"	1597	40	--	--
9. LATEX FOAM SPONGE	"	119080	339	27000	738
10. HOSES	"	146561	3256	230633	6851
11. EBONITE	"	33123	330	1024	59
12. OTHER VULCANISED SHEETS	MT.	407	3646	37	1029
13. OTHER ARTICLES OF RUBBER	"	--	2881	--	13075
Grand Total			29915		71125

CLANT No. 8

VALUE OF RUBBER PRODUCTS EXPORTED (In Million Rupees)

1. RUBBER	6719	92-93
2. RUBBER PLATES, SHEETS, ETC.		
3. RUBBER TUBES, HOSES, ETC.		
4. RUBBER BELTS, ETC.		
5. RUBBER LAMINATES, ETC.		
6. RUBBER COATED FABRICS		
7. RUBBER COATED LEATHER, ETC.		
8. RUBBER COATED ARTICLES		
9. RUBBER COATED SPONGES		
10. RUBBER COATED CLOTHING		
11. RUBBER COATED SHOES		
12. RUBBER COATED BAGS, ETC.		
13. RUBBER COATED CARPETS, ETC.		
14. RUBBER COATED FLOORING, ETC.		
15. RUBBER COATED WALLPAPER, ETC.		
16. RUBBER COATED CEILING, ETC.		
17. RUBBER COATED FURNITURE, ETC.		
18. RUBBER COATED ELECTRICAL INSULATION, ETC.		
19. RUBBER COATED AERONAUTICAL PARTS, ETC.		
20. RUBBER COATED MARINE PARTS, ETC.		
21. RUBBER COATED AGRICULTURAL MACHINERY, ETC.		
22. RUBBER COATED INDUSTRIAL MACHINERY, ETC.		
23. RUBBER COATED TRANSPORTATION VEHICLES, ETC.		
24. RUBBER COATED CONSTRUCTION MATERIALS, ETC.		
25. RUBBER COATED OTHER ARTICLES		
26. RUBBER COATED TOTAL	3134	91-92
27. RUBBER COATED TOTAL	2631	90-91
28. RUBBER COATED TOTAL	2153	89-90
29. RUBBER COATED TOTAL	1144	88-89
30. RUBBER COATED TOTAL	936	87-88
31. RUBBER COATED TOTAL	970	86-87
32. RUBBER COATED TOTAL	1070	85-86
33. RUBBER COATED TOTAL	314	84-85
34. RUBBER COATED TOTAL	145	1975/6
Grand Total		

		1970-71		1979
		Quantity (3)	Value (4)	Quantity (5)
1	Raw	2513	2297	2251
2	8542	43		
3	685	271	1455	
4	10059	5055	9154	
5	1014	153	91	
6	282	51	21	
7	291	573	152	
8	4594	972	2416	
		10572		
9	Raw	1345	17	
10	345	3		
11	3813	136		
12	553	502		
13	300	2		
14	3447	332		
		1556		
15	Raw	788	12	
16	18	2002		
17	783	16		
18	Tonnes	75	273	1895
19	Value	317	5493	
20	Kg	5635	1400	
21	1597	40		
22	1597	329	27400	
23	23121	3258	230000	
24	409	830	1001	
25	3640	25		
26	2351			
Grand Total		59415		

TABLE-38(Contn.)

Products	Unit	1980-81		1984-85	
		Quantity (7)	Value (8)	Quantity (9)	Value (10)
1. TYRES					
Aircraft	Nos.	1167	4149	153	670
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	1864	2370	2207	4552
Tractor and other OTR	"	2318	6350	135	1831
Motor cycle	"	1	1	1	1
Solid Rubber Tyring	"	612	1359	--	--
Solid Rubber tyreing(NES)	MT	--	--	19	660
Others	Nos.	16854	5583	3386	4397
Total			19812		12111
2. TUBES					
Aircraft	Nos.	4	16	--	--
Cycle	"	30	3	--	--
Motor car, Truck and Bus	"	5	3	--	--
Tractor and other OTR	"	365	107	--	--
Motor cycle	"	--	--	--	--
Others	"	995	339	417	95
Total			468		95
3. FLAPS	Nos.	5	2	89	152
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	0.5	636	3	985
Others	Kg.	5521	507	108012	8648
5. BELTING					
Conveyor	Tonnes	212	10573	162	70729
Others	"	178	19268	91	23444
6. FOOTWEAR	Pairs	--	--	--	--
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	62329	8008	273778	24140
8. RUBBERISED AND OTHER IMPREGNATED ARTICLES	"	--	--	--	--
9. LATEX FOAM SPONGE	"	22683	206	11577	879
10. HOSES	"	124086	10438	771843	74851
11. EBONITE	"	26128	933	25663	1965
12. OTHER VULCANISED SHEETS	MT.	56817	2212	--	--
13. OTHER ARTICLES OF RUBBER	"	--	96473	--	195347
Grand Total			169536		413346

TABLE-38(Contn.)

Products	Unit	1986-87		1988-89	
		Quantity (11)	Value (12)	Quantity (13)	Value (14)
1. TYRES	Nos.	102	837	730	94
Aircraft	"	--	--	--	--
Cycle	"	2610	16657	3717	15
Motor car, Truck & Bus	"	307	6465	257	7
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	25	375	344	5
Solid Rubber Tyring	MT	230	8560	--	--
Solid Rubber tyreing(NES)	Nos.	2917	8675	9573	25
Others					
Total			41569		63
2. TUBES	Nos.	--	--	--	--
Aircraft	"	--	--	--	--
Cycle	"	115	262	750	2
Motor car, Truck and Bus	"	--	--	--	--
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	347	2
Others					
Total			262		2
3. FLAPS	Nos.	7	44	--	--
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	5	2980	105	61
Others	Kg.	71045	9659	68639	71
5. BELTING					
Conveyor	Tonnes	365	26743	229	36
Others		970	78941	189	34
6. FOOTWEAR	Pairs	--	--	--	--
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	530316	43180	4971	1
8. RUBBERISED AND OTHER IMPREGNATED ARTICLES	"	--	--	--	--
9. LATEX FOAM SPONGE	"	35216	1045	66	46
10. HOSES	"	650151	69515	131080	2
11. EBONITE	"	49618	1242	13039	2
12. OTHER VULCANISED SHEETS	MT.	112	4525	186156	17
13. OTHER ARTICLES OF RUBBER	Kg.	--	343789	--	248
Grand Total			623494		519

TABLE-38(Contn.)

Products	Unit	1990-91		1991-92	
		Quantity (15)	Value (16)	Quantity (17)	Value (18)
1. TYRES					
Aircraft	Nos.	646	18766	168	3086
Cycle	"	--	--	77324	3499
Motor car, Truck & Bus	"	6879	24522	17004	22126
Tractor and other OTR	"	524	28941	795	42792
Motor cycle	"	--	--	855	614
Solid Rubber Tyring	"	--	--	11	389
Solid Rubber tyring(NES)	MT	--	--	--	--
Others	Nos.	3865	57248	3059	79205
Total			129477		151711
2. TUBES					
Aircraft	Nos.	7	14	--	--
Cycle	"	--	--	2850	433
Motor car, Truck and Bus	"	8	11	--	--
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	696	364	12011	646
Total			389		1079
3. FLAPS	Nos.	85	11	503	162
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	74	53463	89	73564
Others	Kg.	14547	4606	1420	1264
5. BELTING					
Conveyor	Tonnes	36	7566	1042	88129
Others	"	235	71283	236	85947
6. FOOTWEAR	Pairs	--	--	--	--
7. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	6903	1344	11443	4248
8. RUBBERISED AND OTHER IMPERGATED ARTICLES	"	--	--	--	--
9. LATEX FOAM SPONGE	"	3820	472	321	66
10. HOSES	"	368069	66115	396927	78993
11. EBONITE	"	300	158	8657	2444
12. OTHER VULCANISED SHEETS	MT.	--	--	1040	75491
13. OTHER ARTICLES OF RUBBER	"	--	129866	--	645637
Grand Total			992240		1208735

source: Monthly Statistics of Foreign Trade of India

TABLE-39

NUMBER OF LICENSED DEALERS IN KERALA STATE
AT THE END OF EACH YEAR

District (1)	1965-66 (2)	1970-71 (3)	1975-76 (4)	1980-81 (5)	1985-86 (6)
Thiruvananthapuram	7	40	60	155	197
Kollam	77	272	344	532	329
Pathanamthitta	--	--	--	--	323
Alappuzha	17	38	38	47	9
Kottayam	238	686	787	1306	1431
Idukki	--	--	86	155	239
Ernakulam	106	313	212	392	510
Thrissur	5	17	19	26	30
Palakkad	8	11	17	38	47
Malappuram	--	16	42	64	88
Kozhikode	26	71	73	137	98
Wynad	--	--	--	--	25
Kannur	21	102	78	189	156
Kasargode	--	--	--	--	17
Total	505	1566	1756	3041	3499

TABLE-39(Contn.)

District	1987-88 (8)	1988-89 (9)	1989-90 (10)	1990-91 (11)	1991-92 (12)	1992-93 (13)
Thiruvananthapuram	326	370	416	477	483	
Kollam	579	657	722	771	789	
Pathanamthitta	540	664	746	857	888	
Alappuzha	24	25	31	37	38	
Kottayam	1849	1984	1994	2033	2012	
Idukki	295	314	328	324	323	
Ernakulam	775	873	947	1005	975	
Thrissur	55	72	79	84	85	
Palakkad	73	94	106	113	135	
Malappuram	153	184	222	226	243	
Kozhikode	140	151	161	164	164	
Wynad	36	37	39	35	39	
Kannur	213	225	243	262	275	
Kasargode	22	31	43	51	48	
Total	5080	5681	6077	6439	6497	

TABLE-40

NUMBER OF LICENSED DEALERS IN DIFFERENT STATES
AT THE END OF EACH YEAR

State/Territory (1)	1965-66 (2)	70-71 (3)	75-76 (4)	80-81 (5)	85-86 (6)	86-87 (7)
Kerala	505	1566	1756	3041	3499	4305
Delhi	29	61	63	112	115	134
West Bengal	22	53	45	58	67	70
Punjab*	16	25	39	63	68	79
Haryana	--	--	--	--	17	20
Maharashtra	19	39	30	66	62	66
Tamil Nadu	14	31	75	230	140	149
Uttar Pradesh	3	7	10	35	40	44
Karnataka	--	1	8	15	22	27
Andhra Pradesh	--	1	1	4	2	2
Gujarat	--	3	7	8	6	11
Himachal Pradesh	--	3	1	1	--	--
Madhya Pradesh	--	--	1	1	--	3
Tripura	--	--	--	5	2	5
Andamans	--	--	--	--	2	4
Bihar	--	--	--	1	1	2
Rajasthan	--	--	--	1	--	--
Orissa	--	--	--	--	1	1
Assam	--	--	--	--	--	2
Grand Total	608	1780	2036	3641	4044	4924

TABLE-40(Contn.)

State/Territory	87-88 (8)	88-89 (9)	89-90 (10)	90-91 (11)	91-92 (12)	92-93 (13)
Kerala	5080	5681	6077	6439	6497	6215
Delhi	135	135	140	161	165	164
West Bengal	85	92	90	91	92	95
Punjab*	98	107	119	123	136	144
Haryana	23	22	29	34	37	40
Maharashtra	73	81	76	77	74	65
Tamil Nadu	173	183	197	192	177	192
Uttar Pradesh	52	52	55	59	63	71
Karnataka	45	52	54	51	56	61
Andhra Pradesh	1	--	--	--	2	2
Gujarat	15	19	19	21	21	25
Himachal Pradesh	--	--	--	--	--	1
Madhya Pradesh	5	3	4	3	8	8
Tripura	8	9	8	12	13	24
Andamans	6	6	6	5	5	6
Bihar	2	2	2	3	3	3
Rajasthan	1	1	2	2	5	8
Orissa	1	1	1	1	1	1
Assam	1	2	3	3	6	5
Mizoram	1	1	1	--	--	--
Meghalaya	3	1	2	2	--	4
Manipur	--	--	--	--	3	--
Jammu & Kashmir	--	--	1	1	1	1
Grand Total	5808	6450	6886	7280	7365	7135

* Including Chandigarh also

TABLE-41

DISTRIBUTION OF LICENSED DEALERS ACCORDING TO THEIR PURCHASE

Purchase in tonnes (1)	1965-86 (2)	70-71 (3)	75-76 (4)	76-77 (5)	77-78 (6)	78-79 (7)	81-82 (8)	83-84 (9)	85-86 (10)	87-88 (11)	91-92 (12)
0 - 10	217	1022	756	753	874	1352	1603	1425	1724	3134	3384
11 - 25	102	227	324	345	371	402	519	536	507	618	915
26 - 50	79	148	287	329	377	376	433	492	517	599	962
51 - 100	56	115	203	287	288	317	371	416	435	511	778
101 - 250	71	124	214	283	277	352	371	404	451	510	794
251 - 500	35	77	106	141	180	155	185	195	177	212	243
501 - 1000	27	47	94	98	99	94	109	110	117	128	145
Above 1000	21	30	52	80	79	87	79	90	116	96	146
Total	608	1790	2036	2316	2525	3135	3670	3688	4044	5808	7365

TABLE-42

AVERAGE DAILY EMPLOYMENT IN RUBBER PLANTATIONS

Year	Numbers	Year	Numbers
1961	101776	1977	168475
1962	106363	1978	176925
1963	113528	1979	184320
1964	115595	1980	192578
1965	122481	1981	199775
1966	126958	1982	206790
1967	135104	1983	212613
1968	139795	1984	220434
1969	144423	1985	227780
1970	146591	1986	235351
1971	147902	1987	244477
1972	148040	1988	257742
1973	150909	1989	271601
1974	154214	1990	282674
1975	157754	1991	293108
1976	162661	1992	304618

Source: Ministry of Food and Agriculture (Govt. of India),
Govt. of Kerala and Rubber Board

TABLE-43

RECEIPTS OF THE RUBBER BOARD

(In '000 Rs.)

Year	Excise Duty on Rubber	Price diffe- rence on imported rubber	Repayment of new- planting/ mainten- ance loan	Sales of rubber from experiment stations	Sales of planting materials from nurseries	Recovery of half cost of ferti- lizers	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1970-71	22799	--	--	89	567	432	755	24641
1971-72	27035	194	--	85	554	314	795	28977
1972-73	30448	Neg	--	106	672	505	756	32487
1973-74	31512	31	--	34	544	415	818	33354
1974-75	38141	--	--	179	408	590	958	40276
1975-76	36129	--	--	256	810	675	1331	39201
1976-77	48879	--	--	403	779	877	1584	52522
1977-78	53901	--	768	541	681	974	1747	58612
1978-79	57865	--	1032	810	957	1734	982	63380
1979-80	60586	--	1158	1381	1080	1578	1433	67196
1980-81	62483	--	862	1566	1409	1618	1974	69912
1981-82	60286	--	899	2184	1581	2097	2461	69508
1982-83	64120	--	970	2897	1991	2790	2621	75389
1983-84	69173	--	920	4135	2214	1841	2713	80396
1984-85	75691	--	688	4575	2247	1295	3469	87965
1985-86	96260	--	361	3908	2183	1037	6206	109955
1986-87	94191	--	326	3937	2897	262	7573	109186
1987-88	111602	--	271	4379	3008	63	7979	127302
1988-89	126676	--	121	5561	2746	24	10692	145820
1989-90	141599	--	99	5386	3824	73	13332	164313
1990-91	147342	--	98	4623	3993	1	12665	168722
1991-92	168128	--	55	5731	3646	--	15363	192923
1992-93P	180476	--	142	5817	5008	--	15215	206658

TABLE-44

EXPENDITURE OF THE RUBBER BOARD
(In '000 Rs)

DEVELOPMENT AND EXTENSION									
Year (1)	Replanting subsidy(a) (1979 scheme) (2)	(3)	New- planting/ Replanting Subsidy (Rubber planting Plantation & main- Dev't. tenance Scheme) loan(b) (4)	(5)	(6)	(7)	(8)	(9)	Additional assistance to rubber small holders owning up to 6 hectares who participated in schemes under col(2) & (5) Subsidy for soil conservation planting materials
1971-72	4561	--	--	859	22	791	1	521	
1972-73	4359	--	--	997	42	931	2	513	
1973-74	3404	--	--	745	56	806	5	394	
1974-75	4896	--	--	482	213	1225	6	590	
1975-76	6002	--	--	270	124	1686	5	781	
1976-77	10009	--	--	226	165	1885	7	742	
1977-78	11171	--	--	184	187	2364	11	721	
1978-79	14497	--	--	89	175	2975	21	1049	
1979-80	15940	303	--	89	254	3474	13	1213	
1980-81	12017	4907	120	38	402	5255	52	1522	
1981-82	12909	9894	9011	47	224	4743	6	1947	
1982-83	12176	7865	30668	25	81	4321	4	2333	
1983-84	7568	5740	42825	16	28	3108	--	2711	
1984-85	5680	4541	55328	12	10	1952	--	3292	
1985-86	5064	6256	82523	3	--	1082	4	2425	
1986-87	2124	3366	113448	--	5	22	--	3910	
1987-88	808	1863	108504	--	--	--	--	4860	
1988-89	361	1198	102857	--	1	--	--	5464	
1989-90	774	1435	85342	--	--	16	--	5866	
1990-91	--	--	128650	--	--	--	--	7387	
1991-92	--	--	115198	--	--	--	--	4589	
1992-93p	--	--	111784	--	--	--	--	5319	

Note: (a) discontinued-expenditure from 1980-81 refers to spill over.
 (b) discontinued-expenditure from 1979-80 refers to spill over.
 (c) 50% of the amount recoverable.

TABLE-44(Contn.)

DEVELOPMENT AND EXTENSION(Contn.)

Year	Irrigation & boundary Extension, protection Training of small holdings	Supplies** (10)	and Eastern Region (11)	North- Islands (12)	Schemes for accelerating development in non-traditional areas (13)	A & N Eastern Region (14)	Western Region (15)	Tribal Admini- Sub plan station (16)	Total (18)
1971-72	--	1208	--	--	--	--	--	1734	9897
1972-73	--	1397	--	--	--	--	--	2016	10257
1973-74	--	1422	--	--	--	--	--	2168	8998
1974-75	--	1378	--	--	--	--	--	2692	11482
1975-76	--	3987	--	449	--	--	--	3211	18495
1976-77	--	4721	--	461	--	--	--	3363	21579
1977-78	--	3241	--	432	--	--	--	3447	21758
1978-79	--	3436	--	487	--	--	--	3744	28473
1979-80	--	1949	--	452	--	--	--	4678	28565
1980-81	--	1641	--	534	--	--	--	6351	32839
1981-82	--	889	--	827	--	--	--	7619	48018
1982-83	--	885	--	1021	--	--	--	10553	69332
1983-84	--	1086	--	1136	--	--	--	12892	76910
1984-85	--	1135	--	1573	--	--	--	14550	89328
1985-86	--	1498	--	1253	--	--	--	115	125458
1986-87	--	5636	--	6923	--	--	--	3736	22062
1987-88	1032	4982	--	10192	--	274	--	8669	169105
1988-89	1931	10675	--	8285	--	1712	--	25609	167001
1989-90	1679	11721	--	13605	--	6409	--	25811	183557
1990-91	898	14685	--	18986	--	7039	--	28040	173546
1991-92	1795	19625	--	24374	--	8025	--	29228	221213
1992-93p	768	16483	--	30568	--	7908	--	32476	234748+
				25222	--	4102	--	11277	47317
						1034	--	10758	227367+

** Include cash subsidy granted to small holders - Rs. 1010730 in 1967-68, Rs. 4709276 in 1968-69 and Rs. 505963 in 1969-70.

* Excludes expenditure for extension activities.

+ Including District Development Centres & block planting

PROCESSING AND MARKETING

Year	Distri- bution of Rollers under hire- purchase scheme (19)	Subsidy to Co-opera- tives/hold- ers for con- struction of smoke houses (20)	Loan to Co-opera- tives/estab- lishing pro- cessing un- derstand- ing mark- eting of rubber (21)	Working Capital to co- operatives for und- ertaking marketing of rubber (23)	Other schemes and distri- bution of inputs (24)	Admini- stration* (25)	Total (26)
1971-72	26	--	25	50	--	--	101
1972-73	2	7	470	25	--	--	504
1973-74	43	--	300	300	--	--	643
1974-75	77	30	300	999	--	--	1406
1975-76	84	28	210	244	--	--	716
1976-77	65	20	418	97	--	--	850
1977-78	7	21	30	50	--	817	925
1978-79	225	58	198	122	--	1439	2040
1979-80	87	42	238	112	--	1302	1781
1980-81	122	55	289	525	--	1023	2144
1981-82	--	13	798	170	--	994	1975
1982-83	--	2	1024	1328	--	2984	5486
1983-84	--	--	540	499	--	1152	2191
1984-85	--	--	1285	300	--	940	2878
1985-86	--	--	750	300	--	2154	4039
1986-87	183c	862c	1976	138	835	9533	7554
1987-88	999c	1468c	--	--	1612	4131	8210
1988-89	894c	1739c	--	--	3841	3394	10102
1989-90	970c	2950+	--	--	4478	3911	14000
1990-91	895c	1036c	3086+	--	3018	4323	12438
1991-92	1912c	1210c	3600+	--	4440	5139	16301
1992-93p	2277c	1619c	880+	--	2399	6516	13691

c : Subsidy granted under new scheme * : Including pilot block rubber factory

● : New scheme

+ : Including Rubber Producers' Societies.

TABLE-44(Contn.)

Year	Research@	Labour Welfare	General Administ- ration	Total		Total
	(27)	(28)	(29)	Plan (30)	Non-plan (31)	(32)
1971-72	970	203	1124	--	--	12528
1972-73	1213	212	1261	--	--	13725
1973-74	1320	221	1344	--	--	12835
1974-75	1951	174	1978	10133	7313	17446
1975-76	2628	299	2193	14036	9088	23124
1976-77	3199	301	2381	19056	10196	29252
1977-78	2926	350	2508	18505	11438	29943
1978-79	3847	317	2696	24688	12728	37416
1979-80	5372	400	2852	29338	11881	41219
1980-81	7660	489	3145	33686	15760	49446
1981-82	7718	499	3897	48035	17935	65970
1982-83	8986	605	4453	72035	20137	92172
1983-84	13060	660	5531	78072	25880	103952
1984-85	11509	631	6488	89160	25158	114318
1985-86	14388	805	7627	110064	49570	159634
1986-87	19524	1332	10950	155196	64116	219312
1987-88	20370	1506	11215	147470	71652	219122
1988-89	21133	1985	12744	166551	71569	238120
1989-90	28024	2305	14358	161482	83796	245278
1990-91	26001	2281	14813	210232	83226	293458
1991-92	30717	4134	16821	233412	88192	321604
1992-93p	42279	4082	20070	228040	102211	330251

@ : Excluding Research Component of col.12 .

* : Includes expenditure for extension activities

Note: Col. (32) include expenditure for purchasing land and construction of buildings. Figures for 1971-72 onwards include CPF/Pension/Leave Salary Contribution and Advance to Employees.

TABLE-45

PROGRESS IN DISTRIBUTION OF PLANTING MATERIALS
(Distributed directly by Rubber Board)

Year	Tjir 1 Clonal Seeds (Nos.) (1) (2)	Tjir 1 Seedlings (Nos.) (3) (3)	Indigenous Poly Clonal Seedlings (Nos.) (4) (4)	PBIG GG1 & GG2 Seedling (Nos.) (5) (5)	Budded Stumps (Nos.) (6) (6)	Green budded Stumps (Nos.) (7) (7)	Budwood Poly bag (Metres) Plants (Nos.) (8) (9)
Upto 1960	23356671	98508	--	--	3209	--	4783
1961	688912	22025	--	--	25	--	2638
1962	4445344	68180	--	--	326	--	919
1963	2788850	356835	--	5320	31012	--	560
1964	2641345	253777	--	93990	82964	--	3704
1965	4195000	202270	--	172403	63215	--	2890
1966	3743745	289285	--	168409	62478	--	--
1967	8244751	54500	--	155002	73533	--	1707
1968	3087131	289328	14195	92377	101887	--	3067
1969	6393246	408528	10000	7099	198233	--	3178
1970	3142000	210500	88900	74800	390900	--	2525
1971	--	--	149080	250	446729	--	5519
1972	--	--	13130	100565	380657	--	4849
1973	--	--	25935	52898	349778	--	8989
1974	--	--	41285	--	498867	--	11346
1975	--	--	2800	--	612975	--	15190

TABLE-45(Contra.)

Year	Tjir 1 Clonal Seeds (Nos.) (10)	Tjir 1 Clonal Seedlings (Nos.) (11)	Tjir 1 Indigenous Poly Clonal Seedlings (Nos.) (12)	PBIG GG1 & GG2 Seedling (Nos.) (13)	Budded Stumps (Nos.) (14)	Green budded Stumps (Nos.) (15)	Budwood Poly bag (Metres) (Nos.) (16)	Poly bag Plants (Nos.) (17)
1976	--	--	31055	--	744933	--	4442	--
1977	--	--	44963	--	622620	--	8340	--
1978	--	--	6090	--	570361	--	3099	--
1979	--	--	60565	--	868844	--	2482	--
1980	--	--	28980	--	871532	--	12014	4987
1981	--	--	81110	--	903668	77794	14916	551
1982	--	--	35060	--	788383	170733	11433	1870
1983	--	--	49405	--	743763	109681	10148	2852
1984	--	--	--	--	1012372	137887	12510	12459
1985	--	--	--	--	848443	171680	14291	12901
1986	--	--	--	--	1003694	276684	12725	53651
1987	--	--	--	--	833430	259439	31731	--
1988	--	--	--	--	513822	282287	22276	3509
1989	--	--	--	--	962035	7500	10394	3490
1990	--	--	--	--	114918	107764	28100	7242
1991	--	--	--	--	629485	12000	22283	--
1992P	--	--	--	--	463659	--	7265	--

Note: 1. During 1967, the Board had also distributed 53,464 germinated PBIG/GG Seeds.
 2. The approval for planting Tjir 1 clonal seeds and seedlings has been withdrawn by the Board since 1971.
 3. During 1978, 172851, and during 1982, 1025 stumped buddings were distributed.

TABLE-46

PROGRESS OF CO-OPERATIVE SOCIETIES DEALING IN RUBBER

Year	No. of Societies	Rubber Marketed (In Tonnes)	Year	No. of Societies	Rubber Marketed (In Tonnes)
1963-64	6	275	1978-79	52	6875
1964-65	11	660	1979-80	50	10200
1965-66	16	1778	1980-81	53	9336
1966-67	18	3027	1981-82	54	11067
1967-68	23	5990	1982-83	58	11077
1968-69	23	3978	1983-84	59	11984
1969-70	25	4284	1984-85	60	12960
1970-71	37	10651	1985-86	62	21036
1971-72	58	14510	1986-87	116	24651
1972-73	58	18513	1987-88	116	25781
1973-74	60	7045	1988-89	118	31246
1974-75	62	4350	1989-90	116	30413
1975-76	62	5545	1990-91	125	29285
1976-77	64	9666	1991-92	146	48665
1977-78	54	7678	1992-93p	146	34260

Note: From 1986-87 onwards, include RPS's dealing in rubber.

RPS : Rubber Producers' Society.

TABLE-47

INDEX NUMBERS OF AGRICULTURAL PRODUCTION
(Base: Triennium ending 1981-82=100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1965-66	33.3	65.4	45.8	56.2	61.4	29.5	60.6	68.9	63.7
1966-67	36.1	67.1	56.3	59.7	61.1	32.4	60.8	66.6	63.0
1967-68	42.5	68.6	41.2	58.9	75.5	47.0	78.3	75.2	77.1
1968-69	46.9	71.9	52.7	63.9	79.5	49.7	76.3	73.7	75.3
1969-70	54.1	70.2	45.6	62.8	80.8	57.1	81.6	78.3	80.4
1970-71	60.8	74.7	79.1	73.2	84.4	67.7	87.9	82.6	85.9
1971-72	66.7	77.8	49.5	70.4	86.6	75.1	86.1	83.7	85.2
1972-73	74.2	81.4	65.4	77.1	78.9	70.3	79.1	76.6	78.2
1973-74	82.6	84.3	62.0	79.7	88.6	61.9	85.3	86.5	86.5
1974-75	85.8	87.4	66.4	83.1	79.6	68.5	81.0	89.2	84.0
1975-76	90.9	86.9	60.3	82.5	98.0	82.0	98.8	91.9	96.2
1976-77	98.7	91.3	73.4	89.1	84.3	82.5	89.6	88.8	89.3
1977-78	97.0	99.3	89.7	97.0	105.9	90.3	103.0	99.4	101.6
1978-79	89.3	100.6	79.2	94.6	108.1	100.9	107.0	101.6	105.0
1979-80	98.0	98.5	107.4	100.1	85.1	90.5	87.5	90.8	88.7
1980-81	101.1	101.6	85.1	98.4	107.8	103.2	104.9	97.4	102.1
1981-82	100.9	99.9	107.6	101.5	107.0	106.4	107.6	111.8	109.2
1982-83	109.5	100.0	93.2	100.3	94.7	121.5	103.7	106.6	104.8
1983-84	115.7	103.7	75.3	100.3	120.8	129.2	122.8	111.5	118.6
1984-85	123.1	114.1	140.4	120.7	117.3	125.2	117.5	118.6	117.9
1985-86	132.3	117.0	87.7	114.0	128.7	133.6	123.4	113.0	119.6
1986-87	144.9	110.7	137.8	121.7	122.1	125.9	116.9	112.4	115.2
1987-88	155.2	118.6	88.1	119.0	114.6	131.1	113.5	118.1	115.2
1988-89	171.0	125.0p	154.0p	138.4p	142.1	153.6	138.9	142.8	140.0
1989-90	196.2	127.4p	154.0p	144.2p	148.3	141.5	139.7	150.9	143.9
1990-91	217.5	127.4p	154.0p	147.9p	150.7	154.8	144.3	154.8	148.2

Source: Directorate of Economics & Statistics, Ministry of Agriculture

CHART No. 9

MOVEMENT OF PRODUCTION INDICES

(BASE : TRIENNIUM ENDING 1981-82 = 100)

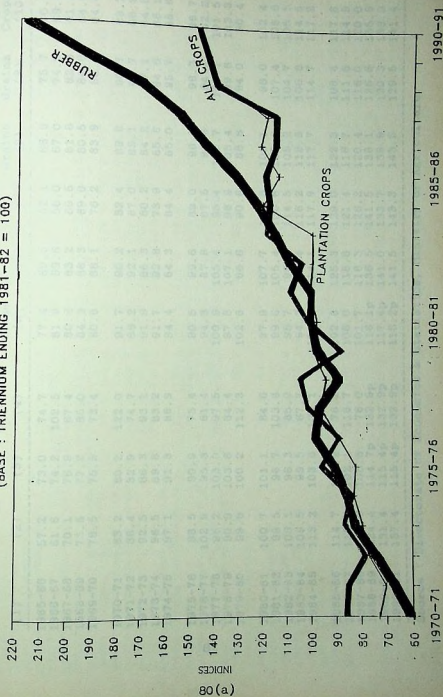


TABLE-48

INDEX NUMBERS OF PRODUCTIVITY
(Base: Triennium ending 1981-82 = 100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat Grains	Food Grains	Non-food Grains	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1985-86	57.2	73.0	74.7	77.4	69.5	52.1	66.9	75.7	70.2
1986-87	61.6	74.2	102.5	81.9	69.6	56.0	67.0	74.0	69.5
1987-88	70.1	76.9	87.4	80.6	83.2	69.5	81.8	82.5	81.5
1988-89	73.5	77.8	85.0	84.3	86.3	68.0	80.5	84.6	84.0
1989-90	78.5	75.5	73.4	80.8	86.1	76.2	83.9	86.7	84.4
1990-91	83.2	80.2	122.0	91.7	90.2	82.4	89.8	90.7	89.2
1971-72	86.4	82.9	74.7	86.2	92.1	87.0	89.1	89.7	88.9
1972-73	92.5	86.3	93.1	91.9	86.3	80.2	84.2	87.1	84.5
1973-74	96.5	89.8	83.2	91.7	92.8	73.9	85.6	94.6	88.1
1974-75	97.1	91.8	88.9	94.4	84.3	84.4	85.0	95.7	88.8
1975-76	98.5	90.9	73.4	90.5	99.6	89.0	98.0	96.3	96.7
1976-77	102.9	95.3	81.4	94.3	87.8	87.5	91.6	94.4	92.2
1977-78	98.2	103.0	97.5	100.9	105.4	93.4	102.7	100.1	101.5
1978-79	90.9	103.6	84.4	97.8	107.1	98.9	105.4	99.6	103.3
1979-80	99.8	100.2	112.3	102.6	86.6	90.6	88.8	94.0	90.4
1980-81	100.7	101.1	84.6	97.9	107.7	102.8	105.1	98.0	102.4
1981-82	99.5	98.7	103.6	98.6	105.4	106.8	105.8	107.4	106.8
1982-83	106.1	96.3	85.9	95.7	99.2	114.5	105.2	104.7	105.5
1983-84	109.5	99.5	67.7	111.9	117.4	116.2	116.8	106.6	114.5
1984-85	113.2	103.8	125.1	111.90	117.1	117.9	117.7	114.7	117.2
1985-86	114.7	111.2	76.2	102.8	125.3	129.0	122.3	108.4	117.6
1986-87	118.3	102.1	118.7	106.0	118.8	121.4	118.7	111.6	114.9
1987-88	120.6	108.8	76.0	101.7	118.3	126.2	120.4	116.0	120.0
1988-89	124.4	114.7p	132.9p	116.1p	136.5	141.5	138.1	128.8	135.8
1989-90	131.4	115.4p	132.9p	117.4p	141.0	133.7	139.9	130.3	139.0
1990-91	137.4	115.4p	132.9p	118.2p	141.5	143.3	143.6	129.6	141.4

Source : Directorate of Economics & Statistics, Ministry of Agriculture.

TABLE-49

INDEX NUMBERS OF INDUSTRIAL PRODUCTION

(Base : 1980-81=100)

Industry	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1981-82	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92p	
(1)									
Manufacturing	117.7	160.8	167.5	177.9	184.6	199.1	211.6	221.2	221.8
Food Products	107.9	124.8	136.9	149.7	161.5	175.6	190.7	207.8	204.4
Beverages, tobacco & tobacco products	113.5	120.0	125.6	133.1	139.0	148.5	150.9	169.8	176.8
Cotton Textiles	104.3	111.7	112.1	98.5	84.9	92.1	103.0	104.8	119.1
Jute, hemp & mesta products	98.7	102.2	110.4	112.5	111.2	107.8	112.3	126.8	128.2
Textile products & apparel	95.7	99.4	97.2	101.1	91.0	101.9	97.4	101.6	90.4
Wood and wood products, furniture & fixtures	96.7	95.6	112.8	87.1	91.7	134.2	151.7	103.2	97.2
Paper, Paper Products & Printing	153.2	216.5	223.2	246.1	161.7	171.7	175.0	197.2	185.0
Leather and fur products + Rubber, Plastic, Petroleum & Coal Products	108.3	131.9	148.5	163.2	166.3	171.3	181.5	198.0	205.1
Chemicals	128.1	139.7	169.2	177.7	185.5	177.4	188.3	194.3	181.5
Non-metallic mineral products	119.2	147.2	153.0	149.6	155.1	168.3	173.5	174.0	172.2
Basic Metal & Alloy products	116.9	142.8	154.3	175.5	200.9	233.4	247.6	254.1	261.3
Metal products ++	106.7	138.4	157.3	160.3	158.1	184.6	189.9	193.1	205.2
Non-electrical machinery & machine tools ++	100.0	107.3	117.0	126.8	135.6	145.0	143.7	158.8	168.0
Electrical Machinery & appliances ++	94.6	105.0	114.7	124.5	129.6	133.5	142.6	143.1	133.1
Transport Equipment ++	111.1	127.6	130.2	141.8	139.2	161.2	171.9	186.9	181.4
Other manufacturing	103.9	148.8	200.6	254.7	335.2	346.0	459.2	563.6	492.9
Electricity	108.1	131.6	135.8	144.9	151.9	171.3	181.1	192.5	189.3
GENERAL INDEX	149.2	122.8	152.7	235.4	272.1	306.3	333.2	321.8	289.8
	110.2	140.4	152.4	168.1	181.0	198.2	219.7	236.8	257.0
	109.3	130.7	142.1	155.1	166.4	180.9	196.4	212.6	212.4

e: Excludes footwear

+: Excludes repairs

++: Includes parts

Industrial Statistics Wing

TABLE-50

GROSS DOMESTIC PRODUCT AND CONSUMER PRICE INDEX

	Gross Domestic Product All India Consumer at factor cost (At 80-81 prices) (Rs. crores)	Price Index (Base 1960-61=100)
1965-66	72122	152
1966-67	72856	181
1967-68	78785	208
1968-69	80841	187
1969-70	86109	190
1970-71	90426	193
1971-72	91339	196
1972-73	91048	217
1973-74	95192	263
1974-75	96297	354
1975-76	104988	340
1976-77	106280	293
1977-78	114219	324
1978-79	120504	317
1979-80	114236	346
1980-81	122427	395
1981-82	121889	444
1982-83	133915	467
1983-84	144865	520
1984-85	150433	521
1985-86	156566	546
1986-87	163271	572
1987-88	170322	629
1988-89	188943	708
1989-90	199503	746
1990-91	209791	803
1991-92@	212316	958

@ : Quick estimate

Source: Central Statistical Organisation &
Indian Labour Journal.

TABLE-51

INDEX NUMBERS OF WHOLESALE PRICES OF SELECTED COMMODITIES
(Base 1981-82=100)

Commodities (1)	1982-83 (2)	85-86 (3)	86-87 (4)	87-88 (5)	88-89 (6)	89-90 (7)	90-91 (8)	91-92 (9)	92-93 (10)
Rice	115.0	126.9	134.2	145.8	161.2	168.8	178.3	217.1	248.8
Wheat	111.2	119.0	127.1	134.5	154.2	148.2	172.1	203.7	226.6
Maize	158.7	197.6	242.7	156.2	157.1	282.3	339.7	322.6	426.7
Tea	107.8	121.7	153.8	155.7	166.6	175.1	183.6	227.0	263.4
Bananas	80.8	126.6	160.5	166.3	164.5	174.3	193.4	286.8	287.0
Cashewnuts	93.9	299.4	391.6	389.7	288.4	316.9	248.9	254.8	212.9
Black pepper	120.2	155.4	168.6	172.8	182.7	283.1	300.2	270.4	305.9
Tea	102.9	167.0	168.2	176.5	182.7	191.8	307.6	291.8	278.0
Coffee	86.9	95.2	86.6	133.4	140.9	146.9	145.5	238.0	218.2
Raw Cotton	119.8	198.5	124.8	147.0	198.1	271.1	359.9	256.1	203.5
Raw Jute	102.4	120.6	127.0	130.6	145.2	146.0	187.3	238.8	263.9
Petrol	98.7	117.0	113.1	121.3	121.4	140.9	143.0	144.4	177.1
Rubber	104.1	149.7	158.2	160.7	164.9	167.9	184.6	199.5	206.3
Synthetic rubber	108.4	125.6	132.8	143.5	155.3	159.4	164.9	170.6	186.2
Rubber & Plastic*	111.9	127.9	126.3	131.2	135.9	145.8	153.3	162.3	175.8
Tyres & Tubes	115.4	121.0	125.8	135.7	136.3	138.4	141.7	147.3	155.5
Camel back	103.0	133.6	149.0	149.3	152.6	152.7	152.7	153.5	209.5
Rubber Belting	106.7	125.7	140.8	141.4	156.2	156.2	156.2	156.2	156.2
Hoses	105.0	100.7	107.5	107.6	98.9	99.1	99.1	123.9	160.8
Fertilisers	109.3	123.7	126.7	132.8	139.2	148.2	158.2	198.1	202.5
Pesticides	108.3	136.4	147.6	152.5	165.6	173.6	209.5	226.1	242.7
Rubber Chemicals	102.6	122.2	122.4	126.7	138.6	144.5	155.9	176.9	193.7
Carbon black	103.4	117.8	135.9	143.7	157.9	172.9	201.6	252.0	269.8
Cars	101.2	102.6	108.5	112.5	119.8	127.4	136.9	144.2	150.4
Trucks	103.0	117.4	128.3	126.6	137.6	169.8	190.7	223.8	247.2
Buses	105.9	127.9	132.7	133.3	137.2	156.5	165.6	181.0	191.2
Scooters	101.9	132.0	132.2	136.3	154.0	164.8	175.7	198.8	209.9
Cycles									
Manufactured									
Products	103.5	124.5	129.2	138.5	151.5	168.6	182.8	203.4	225.5
All Commodities	104.9	125.4	132.7	143.5	154.2	165.7	182.7	207.8	228.5

* Source: "Index number of wholesale prices in India", Published by the Ministry of Industry, Govt. of India.

WORLD RUBBER STATISTICS

TABLE-52

AREA UNDER RUBBER IN MAIN PRODUCING COUNTRIES (In Thousand Hectares)

Territory (1)	End of (2)	Holdings (3)	Estates (4)	Total (5)
Indonesia	1990	2541	499	3040 23.8
Thailand	1990	1750	94	1844 20.5
Malaysia	1990	1479	352	1831 20.4
China*	1990	NA	NA	603 6.7
India	1991	414	75	489 5.4
Sri Lanka	1989	112	87	199 2.2
Brazil*	1989	138	59	197 2.2
Nigeria	1990	145	55	200 2.2
Liberia	1973	43	77	120 1.3
Viet-Nam	1983	NA	NA	115 1.3
Zaire	1959	25	68	93 1.0
Philippines	1989	--	86	86 0.9
Myanmar	1990	NA	NA	76 0.8
Cote d'Ivoire	1989	18	41	59 0.6
Cameroon	1990	2	39	41 0.5 2993

Note : Estate areas refer to holding of 40 ha. and over.
* Estimated figures NA Not available

Source : Rubber Statistical Bulletin of the International
Rubber Study Group.

TABLE-53

PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Metric Tonnes)

Country (1)	1970 (2)	1975 (3)	1980 (4)	1985 (5)	1987 (6)	1988 (7)	1989 (8)	1990 (9)	1991P (10)	1992P (11)
Thailand	290	355	501	724	926	979	1179	1271	1341	1531
Indonesia*	815	823	1020	1130	1203	1235	1256	1262	1284	1387
Malaysia	1269	1459	1530	1470	1579	1662	1418	1291	1256	1217
India	90	136	155	198	227	255	289	324	360	383
China	--	89	113	188	238	240	243	264	296	310
Philippines*	20	51	70	150	147	156	172	185	201	205
Nigeria	65	68	47	52	55	81	118	152	155	129
Sri Lanka	159	149	133	138	122	122	111	113	104	106
Vietnam*	29	20	46	52	55	56	51	52	66	77
Combdia*	13	10	NA	22	25	26	28	32	33	39
Liberia	83	83	77	84	93	108	106	40	19	32
Brazil	25	19	28	40	27	33	31	30	30	30
Total**	3103	3315	3850	4400	4840	5120	5210	5210	5350	5630

* : Estimated. NA: Not available separately.

** : Including other countries not reported separately.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-54

CONSUMPTION OF NATURAL RUBBER IN MAIN CONSUMING COUNTRIES
(In Thousand Metric Tonnes)

Country (1)	1970 (2)	1975 (3)	1980 (4)	1985 (5)	1987 (6)	1988 (7)	1989 (8)	1990 (9)	1991p (10)	1992p (11)
U.S.A.	568	666	585	764	789	858	867	808	756	911
Japan	283	285	427	540	568	623	657	677	690	685
China*	208	225	340	415	555	660	675	600	620	610
India	87	129	171	233	278	311	333	358	375	405
Korea Rep*	NA	NA	NA	155	200	235	230	252	259	273
Malaysia	20	31	45	69	82	103	122	184	216	249
Germany	201	197	180	202	199	204	221	209	211	213
France	158	156	188	156	170	181	184	179	183	174
Brazil	37	59	81	98	115	125	124	121	116	134
U.K.	195	171	131	126	134	140	133*	136*	119	125
Italy	113	118	132	127	136	140	143	130	120	115
Taiwan*	NA	NA	NA	84	105	150	100	105	120	111
C.I.S.*	NA	NA	NA	210	165	100	140	150	80	100
Total**	2990	3368	3760	4430	4800	5190	5300	5280	5220	5530

* : Estimated; NA : Not available separately.

† : Up to 1990 Federal Republic of Germany.

‡ : For C.I.S., data before 1992 refer to the former U.S.S.R.

** : Including allowances for officially reported statistics

and those countries not reported separately.

Source : "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-65

PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Metric Tonnes)

Country (1)	1970 (2)	1975 (3)	1980 (4)	1985 (5)	1987 (6)	1988 (7)	1989 (8)	1990 (9)	1991P (10)	1992P (11)
U. S. A.	2332	1890	2215	2026	2182	2335	2281	2115	2050	2340
C.I.S.*	300	1800	2040	2125	2366	2435	2280	2385	1950	1700
Japan	698	789	1094	1158	1192	1299	1353	1426	1377	1388
France	316	350	511	544	538	588	587	522	471	500
Germany	302	316	390	448	468	493	505	532	537	455
China	35	57	123	171	218	251	289	316	335	371
Italy	155	200	250	225	245	260	295	300	305	310
Brazil	76	129	249	266	250	284	257	255*	253	256
U.K.	316	261	212	233	257	313	311	274	251	253
Netherlands	200	216	212	235	205	189	213*	236	230	233
Canada	205	173	253	209	180	197	188	213	190	211
Korea Rep*	--	24	75	106	141	169	169	227	225	203
Taiwan*	NA	NA	77	105	125	136	139	154	176	181
Mexico	44	60	91	146	158	149	141	133	118	124
Belgium*	50	65	115	92	103	126	120	125	114	117
Germany D.R.	118	144	163	158	99	149	146	88	--	--
Poland	62	108	118	126	117	128	125	103	80	89
India	30	23	23	37	44	49	54	55	58	61
Total +	5893	6855	8695	8960	9450	10150	10030	9860	9100	9160

* : Estimated, NA : Not Available separately, + : Including other countries not reported separately.

@ : Up to 1990 Federal Republic of Germany.

For C.I.S. , data before 1992 refer to the former U.S.S.R.
Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-56

CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES
(In Thousand Metric Tonnes)

COUNTRY (1)	1970 (2)	1975 (3)	1980 (4)	1985 (5)	1987 (6)	1988 (7)	1989 (8)	1990 (9)	1991p (10)	1992p (11)
U. S. A	1949	1964	1980	1982	2017	2017	2051	1821	1768	1977
C.I.S.*	NA	NA	NA	2115	2300	2375	2280	2340	1970	1730
Japan	496	585	885	948	948	1042	1103	1133	1119	1081
China*	48	55	155	245	265	290	330	361	410	500
Germany *	358	360	421	411	453	471	476	511	502	416
France	261	278	342	312	316	315	358	352	342	365
Italy	197	220	288	277	299	312	325	310	305	295
Korea Rep*	NA	NA	NA	145	215	255	235	279	271	280
Brazil	85	176	244	235	274	283	285	278	266	267
U.K	278	266	248	201	216	227	240	223	201	210
Canada*	136	179	200	173	210	202	191	185	184	198
Taiwan*	NA	NA	NA	95	145	155	145	183	206	196
Spain	NA	NA	NA	144	166	165	157	160	147	155
Mexico	NA	NA	NA	140	106	105	107	114	115	117
India	32	32	46	70	76	83	90	102	104	109
Total +	5635	7028	8785	9000	9650	10040	10060	9830	9150	9110

* Estimated, NA : Not Available separately

@ Upto 1990 Federal Republic of Germany

For C.I.S., data before 1992 refer to the former U.S.S.R.

+ Including allowances for discrepancies in officially

reported statistics and those countries not reported separately.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-57

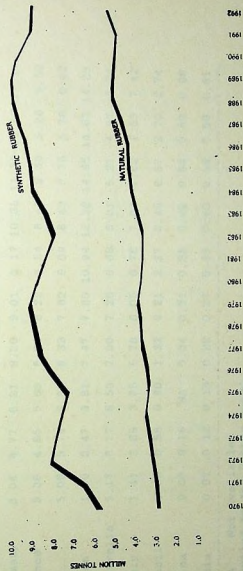
PRODUCTION, CONSUMPTION AND STOCK OF NATURAL AND SYNTHETIC RUBBER
(In Thousand Metric Tonnes)

Year	N A T U R A L R U B B E R				S Y N T H E T I C R U B B E R			
	Pro- duction	Consu- mption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year	Pro- duction	Consu- mption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1985	4400	4430	- 30	1570	8960	9000	-40	1730
1986	4490	4460	+ 30	1600	9270	9280	-10	1720
1987	4840	4800	+ 40	1640	9450	9850	-200	1520
1988	5120	5190	- 70	1570	10150	10040	+110	1630
1989	5210	5300	- 90	1480	10030	10060	-30	1600
1990	5210	5280	- 70	1410	9960	9830	+130	1730
1991	5350	5220	+ 130	1540	9100	9150	-50	1680
1992	5630	5530	+ 100	1640	9160	9110	+50	1730

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

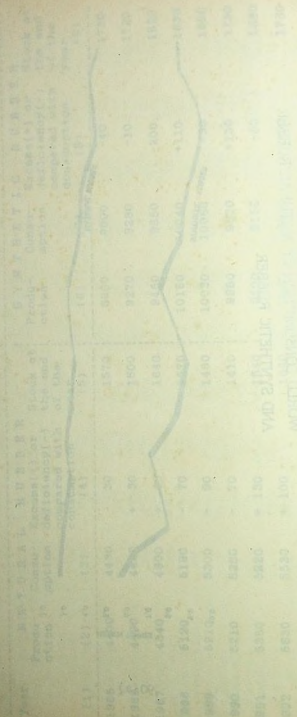
CLARKE No. 10

WORLD CONSUMPTION OF NATURAL RUBBER AND SYNTHETIC RUBBER



90(a)

PRODUCTION, CONSUMPTION AND STOCK OF RUBBER IN THE UNITED STATES
1905-1927



Source: "Rubber Statistical Bulletin" of the United States Rubber Company, 1928.

TABLE-58

ESTIMATED PERCAPITA CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER
(Kilograms)

Country (1)	1954 (2)	1960 (3)	1965 (4)	1970 (5)	1975 (6)	1981 (7)	1985 (8)	1990 (9)	1991 (10)	1992 (11)
U S A	7.71	8.76	10.75	12.28	12.31	11.56	11.55	10.51	10.11	11.63
Canada	4.76	5.16	7.17	8.73	11.07	12.05	10.56	10.16	10.33	10.42
Germany	3.04	4.77	6.21	9.20	9.01	9.17	10.05	11.38	11.57	11.17
France	3.36	4.85	5.68	8.26	8.22	8.54	8.48	9.39	9.28	9.52
U K	5.08	5.74	6.81	8.33	7.82	6.09	6.43	6.76	5.76	6.02
Japan	1.09	2.47	3.81	7.47	7.80	10.94	12.32	14.65	14.63	14.29
Australia	5.17	6.17	6.53	7.50	7.26	6.89	5.21	5.21	4.87	5.74
Italy	1.41	2.68	3.85	5.78	6.05	6.78	7.07	7.62	7.53	7.42
Brazil	0.68	0.88	0.80	1.32	2.21	2.27	2.46	2.67	2.70	2.74
China	0.08	0.16	NA	0.34	0.31	0.38	0.62	0.84	0.89	0.96
India	0.07	0.12	0.18	0.22	0.27	0.33	0.40	0.55	0.56	0.61

NA : Not Available
Compiled by the Rubber Board.

TABLE-59

WORLD PRICE OF NATURAL RUBBER
(Average price for RSS 3 per 100 Kg.)

Year	LONDON [C.I.F.]		KUALALUMPUR		INDIA
	Pound Sterling	Equivalent Rate in Rs.	Malaysian Ringgit	Equivalent Rate in Rs.	Rs.
(1)	(2)	(3)	(4)	(5)	(6)
1976	46.02	750	189.70	674	620
1977	49.34	756	194.00	692	630
1978	54.04	850	222.50	789	885
1979	62.53	1072	271.10	1011	1024
1980	63.76	1170	298.70	1083	1154
1981	53.38	938	230.80	872	1423
1982	49.37	819	181.30	739	1473
1983	73.00	1120	238.80	1042	1672
1984	73.26	1110	214.70	1040	1689
1985	61.15	980	179.80	890	1694
1986	57.09	1057	202.10	988	1670
1987	62.23	1321	236.40	1217	1766
1988	69.25	1717	301.20	1600	1811
1989	61.06	1623	247.00	1482	2040
1990	51.24	1604	220.60	1425	2147
1991	50.00	2000	216.90	1796	2128
1992	52.72	2655	212.60	2457	2463

Note: In the case of India price refers to RMA-4 grade rubber at Kottayam market.

Source : Rubber Statistical Bulletin of the International Rubber Study Group.

VOLUME 21

1996

INDIAN RUBBER STATISTICS

Compiled by
THE STATISTICS & PLANNING DEPARTMENT
Rubber Board

THE RUBBER BOARD
(MINISTRY OF COMMERCE, GOVT. OF INDIA)
KOTTAYAM 686 002, INDIA.

ABOUT THE RUBBER BOARD

The Rubber Board is a statutory body constituted under the Rubber Act, 1947.

The functions of the Board as defined under the Act are:-(1) To promote by such measures as it thinks fit the development of the rubber industry, (2) without prejudice to the generality of the foregoing provision the measures referred to therein may provide for:-(a) undertaking, assisting or encouraging scientific, technological or economic research; (b) training students in improved methods of planting, cultivation, manuring and spraying; (c) the supply of technical advice to rubber growers; (d) improving the marketing of rubber; (e) the collection of statistics from owners of estates, dealers and manufacturers; (f) securing better working conditions and (g) carrying out any other duties which may be vested in the Board under rules made under this Act.

It shall also be the duty of the Board-(a) to advise the Central Government on all matters relating to the development of the rubber industry, including the import and export of rubber; (b) to advise the Central Government with regard to participation in any international conference scheme relating to rubber; (c) to submit to the Central Government and such other authorities as may be prescribed half-yearly reports on its activities and the working of this Act; and (d) to prepare and furnish such other reports relating to the rubber industry as may be required by the Central Government from time to time.

FROM THE CHAIRMAN

Collection of rubber statistics is one of the basic objectives of the Rubber Board. This publication, which is the 21st in the series, has been compiled from the statistics thus collected.

The statistics published in the volume have been compiled not only from the Board's records but also from various other sources as indicated in the tables.

Suggestions for improving this publication will be appreciated.

Readers interested in the latest statistics of production, consumption, import, price etc of rubber may refer to the 'Rubber Statistical News' (monthly) issued by the Board.

The co-operation extended by producers of natural, synthetic and reclaimed rubber, dealers and processors of natural rubber and manufacturers of rubber goods and various organisations connected with the industry for making available the data is gratefully acknowledged.

I wish to record my appreciation for the valuable service rendered by the officers of the Statistics & Planning Department for compiling the publication. In-house computer facilities have been used to update the various statistical tables.

Kottayam-686 002,
29th March 1996.

K.J.MATHEW
Chairman

ON INDIAN RUBBER STATISTICS BY OTHERS

Dr L.BATEMAN D.Sc FRS
SECRETARY GENERAL
INTERNATIONAL RUBBER STUDY GROUP

LONDON
7th July, 1980

"My colleagues and I are most impressed by the 'Indian Rubber Statistics (1980)'. It is certainly one of the most comprehensive and detailed statistical records of the rubber industry in a natural rubber producing country (and indeed in almost any country) that we know of, and its value is correspondingly high. It reflects immense hard work and application by those responsible for the compilation, and we are happy to express our unreserved appreciation".

(Sd/-)
L.BATEMAN

(Note: 'International Rubber Study Group' is an intergovernmental organization comprising 23 member Governments. The object of the Group is to provide a forum for the discussion of problems affecting the production and consumption of, and trade in, natural and synthetic rubbers, and to collect and disseminate comprehensive statistical information thereon.)

Dr MOELJONO PARTOSOEDARSO
REGIONAL ADVISER ON RAW MATERIALS
AND COMMODITIES
ESCAP, UNITED NATIONS

BANGKOK
14th July, 1980

'Indian Rubber Statistics (1980)' has been very well and comprehensively prepared. It is certainly a useful publication both for the rubber industry in India as well as to all other rubber producing countries and Members of the ANRPC.

(Sd/-)
MOELJONO PARTOSOEDARSO

"Reliable and dependable statistics is a crying need in this Country. This want is acutely felt in regard to agricultural commodities Fortunately this is not the case with rubber production..... It is a publication which is very expertly brought out".

COMMERCE
October 2, 1976

IN RETROSPECT

Area, Production & Productivity

The overall performance of the rubber plantation industry continued to be impressive. Production of natural rubber(NR) which was 435,160 tonnes during 1993-94 improved to 471,815 tonnes during 1994-95, recording a growth of 8.4%. The estimate for 1995-96 is 507,000 tonnes. Both, increase in area and yield per hectare have contributed to the appreciable increase in production. High yielding planting materials, particularly the variety RRII-105, developed and released by the Rubber Research Institute of India towards the close of 1970s, have contributed to this significant achievement. Currently, more than 90% of the planting is with this variety. The total area under rubber at the end of March 1995 was 5.16 lakh hectares.

2. Synthetic Rubber Production

Production of synthetic rubber(SR), which in 1993-94 was 49,633 tonnes, increased to 63,681 tonnes in 1994-95 made up of 38,301 tonnes of Styrene Butadiene Rubber, 19,320 tonnes of Polybutadiene Rubber and 6,060 tonnes of other varieties. The estimated production for 1995-96 is 67,000 tonnes.

3. Consumption

Consumption of NR & SR increased by 8.6% to 608,560 tonnes during 1994-95. Analysis of the consumption pattern during 1994-95 showed that the auto tyre sector during the year recorded a growth of 14.1% over the previous year. The appreciable increase was due to the excellent export performance of the sector. Export of auto tyres and tubes during the year touched an all-time peak of Rs.6,802 million as against Rs.6,062 million in 1993-94. The total export of all types of rubber products during 1994-95 rose to Rs.9,429.5 million from Rs.8,862 million in the previous year. The growth in consumption vis-a-vis production of rubber was as follows:-

Year	PRODUCTION			CONSUMPTION		
	Natural	Synthetic	Total	Natural	Synthetic	Total
1990-91	329615	57293	386908	364310	104735	469045
1991-92	366745	57726	424471	380150	105650	485800
1992-93	393490	57892	451382	414105	108690	522795
1993-94	435160	49633	484793	450480	113395	563875
1994-95	471815	63681	535496	485850	122710	608560

4. Export and Import

According to the current Export-Import Policy, NR is included in the 'Negative List' of 'Restricted Items'. It can be imported against a licence issued by the Govt or in accordance with a Public Notice issued in this behalf. NR is also included in the list of items permissible for import against Special Import Licences (SIL). Import of rubber is also allowed under the Advance Licence as an incentive for export of rubber products. Export of rubber is freely allowed. The import of NR under Advance Licence during 1994-95 was 8,531 tonnes as against 17,253 tonnes during 1993-94. The fall in import during 1994-95 was due to the increase in price of rubber in the international market. For the lean season of 1995, Govt of India had issued licences for import of 38,450 tonnes. The estimated import during the year 1995-96 is 53,000 tonnes comprising import under Advance Licences and import against the Notification issued by the Govt. During 1994-95 1,960 tonnes of NR was exported as against 186 tonnes in the previous year. During 1995-96 export was around 800 tonnes only.

5. Price of Rubber

On the basis of the recommendation of the Cost Accounts Branch of the Ministry of Finance, Govt of India revised the benchmark price for rubber on 22nd February 1994 to Rs.2490 per 100 kg for RMA-4 grade and Rs.2440 for RMA-5 grade. The prices prior to the revision were Rs.2345 and Rs.2295 respectively.

The Kottayam market price, recorded a steady improvement from May 1994. On 9th September when the upward trend came to a halt, the price was Rs.4250. Thereafter, it recorded a downward trend and on 15th November 1994 it fell to Rs.3100. The price again moved upward and on 13th June 1995 it touched an all time peak of Rs.6550 and since then it returned to Rs.4150 on 15th September 1995. Again it improved to Rs.5900 on 22nd December 1995. Thereafter it showed a downward trend and at the end of March 1996 the price was Rs.4950. The increase in price was mainly due to the high cost of imports owing to the increase in the international price.

The international price rose sharply during 1994 and 1995. In Kuala Lumpur Market (Malaysia), the price for RSS-3 grade, which is considered as a substitute for local RSS-IV grade, at the beginning of January 1994 was MR 204.50 (Rs.2391) per quintal, improved steadily and touched MR 468.50 (Rs.5847) on 4th April 1995 when the upward trend came to a halt. The price thereafter showed a downward trend and fell to MR 304.50 (Rs.3895) at the beginning of August 1995. The price returned to a rising trend again and on 28th November it was MR 423.50 (Rs.5793). Thereafter, it moved downward and at the end of December it was only MR 384 (Rs.5307). Again it recorded an improvement and on 5th January 1996 it was MR 402.50 (Rs.5571). By the end of March 1996, the price fell to MR 374 (Rs.5004).

The annual/monthly trend in Indian and International price were as follows:-

	Indian price (Kottayam) (Rs/100 kg)	International price (Kuala Lumpur) (Rs/100 kg)
	RSS-4	RSS-3
1992	2463	2457
1993	2546	2538
1994	3107	3455
1995	5059	5030
January 1995	4273	5079
February	4637	5480
March	5195	5658
April	5441	5735
May	6047	5324
June	6171	4759
July	5231	4154
August	4295	4005
September	4197	4370
October	4694	4798
November	4925	5498
December	5598	5503
January 1996	5588	5379
February	5249	5500
March	5006	5162

The average price of SR(SBR 1502 grade) during 1994-95 was Rs.4764 per quintal and during 1995-96 it increased to Rs.6212 per quintal. The above price exclude duties and taxes.

WORLD POSITION

World production of NR improved to 5.68 million tonnes during 1994 from 5.34 million tonnes during 1993. The estimate for 1995 is 6.05 million tonnes. The increase in production was contributed mainly by Thailand, Indonesia, India and China. Thailand became the largest natural rubber producer in the world followed by Indonesia, Malaysia and India. World consumption of NR during 1994 improved to 5.64 million tonnes from 5.39 million tonnes in 1993. Estimate for 1995 is 5.97 million tonnes. Table below gives the annual trend in world production and consumption.

World Rubber Position ('000 tonnes)

Year	PRODUCTION			CONSUMPTION		
	Natural	Synthetic	Total	Natural	Synthetic	Total
1990	5120	9910	15030	5200	9710	14910
1991	5240	9270	14510	5100	9290	14390
1992	5460	9240	14700	5390	9300	14690
1993	5340	8580	13920	5390	8690	14080
1994	5680	8810	14490	5640	8770	14410

The International Natural Rubber Agreement (INRA) 1994, which is to succeed INRA 1987, is awaiting ratification by the member countries. The main objective of the Agreement is to stabilise the international price of rubber at remunerative level through the operation of a buffer stock. Improving the competitiveness of NR by encouraging research and development, encouraging the efficient development of NR economy through promotion of processing, marketing etc. also form part of the objectives.

The new Agreement may come into force provisionally at any date upto 1st January 1997, if it is ratified, accepted or approved by countries party to the Agreement, representing 75% of both total exports and imports of the negotiating countries. If countries representing 80% of the total exports and imports ratify, accept or approve the Agreement within 12 months of its provisional application, it will come fully into force. If, however, provisional deadline 1st January 1997 is not fully met, a further negotiating conference would be necessary.

The International Natural Rubber Council, which is administering the Agreement has raised its buffer stock reference price by 5% to 206.68 Malaysian/Singapore cents per kg from 2nd August 1995. The 'may sell' and 'must sell' levels are 238 cents and 248 cents respectively and 'may buy' and 'must buy' are 176 cents and 165 cents respectively. The Council agreed to extend the operation of 1987 Agreement for an interim period of one year to allow the ratification of the new Agreement.

Kottayam
29-3-96

R.G.UNNY
Joint Director
(Statistics & Planning)

CONNOTATIONS

- Holding** : Unless the contrary is stated, the word means a rubber area contiguous or non-contiguous aggregating 20.23 hectares (50 acres) or less under a single ownership.
- Estate** : Land contiguous or non-contiguous aggregating more than 20.23 hectares(50 acres) planted with rubber under a single ownership is treated as 'estate'. However, estates/holdings situated in different taluks even if they are under a single ownership are considered separately. In this context, the word owner includes any agent of an owner and a mortgage in possession and a lessee of the area.
- Newplanted area** : Land planted with rubber for the first time.
- Replanted** : Land planted with rubber by removing the rubber trees planted earlier.
- High yield-
ing area** : Area planted with clonal seedlings and clones(budgrafts) approved by the Rubber Board. It may be stated that till 1970 Tjir-1 clonal planting material was also included under high yielding varieties. From 1971 onwards this variety is not recommended for planting. So the area under high yielding varieties in this publication includes area planted with Tjir-1 variety upto 1970.
- Tappable area** : Area which is estimated to be tappable.
- Yield per
hectare** : Average yield per hectare of tappable area.
- Manufacturer** : A manufacturer of rubber goods who has taken out a licence from the Board for acquiring natural rubber.
- Dealer** : One who has taken out a licence from the Board for dealing in natural rubber, holding natural rubber stock.

Under the Rubber Act all dealers of natural rubber and all consumers of natural rubber(manufacturers of rubber goods) should take out licence from the Rubber Board.
- Natural rubber** : Includes the dry rubber content(drc) of all grades and qualities of natural rubber. Quantity under latex also refers to weight of dry rubber content.
- Ungraded rubber** : Small holders, particularly those in the lower area group generally sell their smoked sheet rubber to dealers without grading and packing. This rubber consists of mostly RSS - 3, 4 & 5 and off-grades. Grading and packing is done usually at the medium/big dealers' level.
- Synthetic rubber** : Includes oil content of oil extended rubber and total solid contents of latices.
- Reclaimed** : Comprises of both natural and synthetic reclaimed rubber.

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TABLE - 1

AREA, NEWPLANTED AND REPLANTED WITH RUBBER SINCE 1955-56
(Area in hectares)

Year	Newplanted	Replanted	Total	Year	Newplanted	Replanted	Total
1955-56	9342	719	10061	1975-76	4561	3099	7660
1956-57	12030	737	12767	1976-77	4882	3172	8054
1957-58	14278	1394	15672	1977-78	4770	3645	8415
1958-59	12605	1874	14479	1978-79	8450	4050	12500
1959-60	9983	1641	11604	1979-80	12300	4065	16365
1960-61	12104	1385	13489	1980-81	19308	5476	24784
1961-62	14465	2446	16931	1981-82	18100	4188	22288
1962-63	13222	2489	15721	1982-83	19884	4963	24847
1963-64	6551	2309	8860	1983-84	18805	5641	24446
1964-65	5800	2692	8492	1984-85	22365	5217	27582
1965-66	4749	4163	8912	1985-86	21222	5759	26981
1966-67	5886	4039	9925	1986-87	19856	5533	25419
1967-68	6614	2805	9519	1987-88	18635	6517	26052
1968-69	6079	1905	7984	1988-89	19471	6998	26469
1969-70	6709	1820	8629	1989-90	20175	6854	27029
1970-71	6655	2089	8744	1990-91	15143	7154	22297
1971-72	3044	1473	4517	1991-92	13851	7100	20951
1972-73	3775	1704	5479	1992-93P	11000	7200	18200
1973-74	3975	1576	5551	1993-94P	9500	7100	16600
1974-75	4310	2200	6510	1994-95P	8400	7000	15400

TABLE - 2 (Contn.)

Year	1972-73 (24)	73-74 (25)	74-75 (26)	75-76 (27)	76-77 (28)	77-78 (29)	78-79 (30)	79-80 (31)	80-81 (32)	81-82 (33)	82-83 (34)
Kerala	202761	205595	208430	211808	215797	219506	226239	236324	253784	269621	287334
Tamilnadu	12677	13108	13439	13776	14049	14345	14585	15260	15513	15740	16020
Karnataka	7059	7470	8090	8585	8736	8790	8815	8861	9004	9227	9502
Tripura	103	223	307	417	574	878	1306	1989	2746	3590	4578
Assam	*	*	102	116	134	152	283	419	568	789	840
Meghalaya	*	*	106	141	191	291	628	778	923	1033	1108
Mizoram									*	170	276
Manipur							100	216	216	291	331
A&N	740	766	787	810	850	900	900	900	900	900	902
Goa	125	153	191	223	262	338	423	464	512	563	604
Total	223465	227317	231452	235876	240593	245200	253279	265211	284168	301924	321495

* - Refer to less than 100 hectares omitted.

TABLE - 2 (Contn.)

Year	1983-84 (35)	84-85 (36)	85-86 (37)	86-87 (38)	87-88 (39)	88-89 (40)
Kerala	30374	32303	341508	356421	370079	383582
Tamilnadu	16240	16450	16567	16765	16917	17037
Karnataka	9973	10710	11392	11913	12353	12809
Tripura	5338	6545	7742	10085	12670	14326
Assam	929	1053	1242	1968	3178	5144
Meghalaya	1190	1286	1410	1831	2509	3229
Nagaland	105	205	355	525	675	910
Mizoram	420	470	570	620	690	810
Manipur	331	335	355	440	515	665
A&N	908	912	919	930	943	948
Goa	640	711	773	831	851	861
Maharashtra	*	*	*	*	132	137
Orissa	*	*	*	*	146	*
Arunachal Pradesh	*	*	*	*	*	*
Total	339848	361960	382831	402329	421512	440584

* : Refer to less than 100 hectares omitted.

TABLE - 2 (Contn.)

Year	89-90 (41)	90-91 (42)	91-92 (43)	92-93 (44)	93-94P (45)	94-95P (46)
Kerala	396487	407821	419174	428864	437138	443300
Tamilnadu	17100	17150	17210	17260	17300	17430
Karnataka	13200	13995	14386	14850	14850	14955
Tripura	16620	17320	17860	18250	18670	19252
Assam	8350	9380	9740	9885	10008	10122
Meghalaya	3350	3468	4058	4350	4521	4550
Nagaland	1110	1300	1371	1370	1400	1450
Mizoram	800	950	960	960	972	879
Manipur	895	1203	1215	1215	1220	1253
A&N	950	960	964	970	969	960
Goa	923	970	978	998	935	936
Maharashtra	143	145	150	154	150	91
Orissa	191	245	270	270	289	219
AP	142	178	178	178	*	**
Arunachal Pradesh	*	*	*	*	*	75
Total	480341	475083	488514	499374	508420	515572

AP : Andhra Pradesh

** - Refer to less than 50 hectares omitted.

TABLE - 3

DISTRICT/STATE/UNION TERRITORY WISE AREA OF RUBBER UNDER HOLDINGS & ESTATES
(Area in hectares)

District/State/ Union Territory	1960-61			1965-66			1970-71		
(1)	Holdings (2)	Estates (3)	Total (4)	Holdings (5)	Estates (6)	Total (7)	Holdings (8)	Estates (9)	Total (10)
1. Thiruvananthapuram	3657	1097	4754	4974	1310	6284	6223	1414	7637
2. Kollam	19335	9888	29223	17947	12152	29499	21116	12338	33454
3. Alappuzha	2195	115	2310	3082	60	3142	3802	60	3862
4. Kottayam	35676	9818	45494	43566	10490	54056	49313	9874	59187
5. Ernakulam	13495	4568	18063	18648	6255	24903	21807	6260	28067
6. Thrissur	1537	5389	6926	2842	5886	8728	3236	5847	9083
7. Palakkad	2471	3640	6111	4441	4810	9251	9237	1906	5143
8. Malappuram	-	-	-	-	-	-	9930	7573	17503
9. Kozhikode	8417	10325	18742	12292	11620	23912	9283	7113	16396
10. Kannur	7593	2803	10186	11483	3903	14786	14664	3428	18092
KERALA	88366	47443	135809	118675	55866	174561	142811	55813	198424
11. Kanyakumari	1738	3878	5614	4038	4605	8641	5117	5922	11039
12. Madurai	11	142	153	10	143	153	10	143	153
13. Nilgiris	84	161	245	84	161	245	86	161	247
14. Coimbatore	-	221	221	-	221	221	-	221	221
15. Salem	23	-	23	23	-	23	23	-	23
16. Tirunelveli	-	-	-	-	-	-	-	-	-
TAMIL NADU	1854	4402	6256	4153	5130	9283	5265	6447	11712
KARNATAKA	155	1504	1659	182	2451	2633	1824	4601	6525
A & N ISLANDS	-	181	181	-	236	236	-	537	537
Grand Total	90375	53530	143905	123010	63703	186713	149800	67398	217198

* : Upto 1993-94 statewide total area less than 100 ha. omitted.

** : Statewise total area less than 50 ha. omitted.

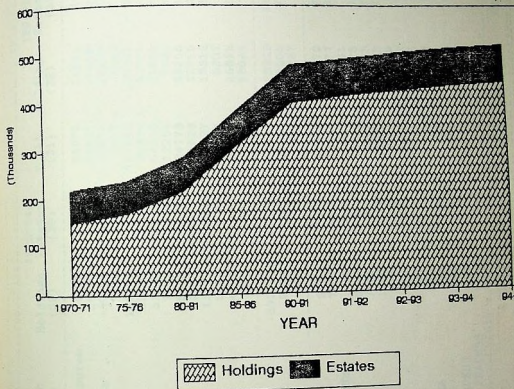
TABLE - 3 (Contn.)

District/State/ Union Territory	1975-76			1980-81			1985-86		
	Holdings (11)	Estates (12)	Total (13)	Total Holdings (14)	Estates (15)	Total Holdings (16)	Total Holdings (17)	Estates (18)	Total (19)
1. Thiruvananthapuram	8934	1116	8050	9208	971	10179	17089	964	18053
2. Kollam	21873	12439	34312	28533	12548	41081	18295	9596	27891
3. Pathanamthitta	-	-	-	-	-	-	30343	6480	36823
4. Alappuzha	3854	60	3914	4222	51	4273	3236	-	3236
5. Kottayam	50174	5956	56130	61880	5046	66926	79663	4846	84509
6. Idukki	10691	5194	15885	15084	4813	19897	26346	4737	31083
7. Ernakulam	17316	3753	21069	23543	3312	26855	35604	3175	38779
8. Thrissur	3719	5401	9120	4392	5390	9782	5482	4911	10393
9. Palakkad	6345	2339	8684	9841	2038	11979	14497	1922	16419
10. Malappuram	11416	5952	17368	14191	4833	19324	17631	3770	21401
11. Kozhikode	10851	6305	17156	13508	5663	19171	10460	4504	14864
12. Wynad	16632	3488	20120	21254	3063	24317	4613	169	4782
13. Kannur	-	-	-	-	-	-	17170	1511	18681
14. Kasargod	-	-	-	-	-	-	13418	1074	14492
KERALA	159805	52003	211808	206056	47728	253784	293847	47659	341508
15. Kanyakumari	6671	6428	13099	6858	8232	15090	8667	7265	16132
Others	153	524	677	120	303	423	132	303	435
TAMIL NADU	6824	8952	13776	6978	8535	15513	8999	7568	16567
KARNATAKA	2021	6564	8585	2188	6816	9004	4774	6818	11392
A & N ISLANDS	-	810	810	22	878	900	24	895	919
TRIPURA	28	389	417	159	2587	2746	1955	5787	7742
ASSAM	-	116	116	-	568	568	200	1042	1242
MEGHALAYA	-	141	141	-	923	923	25	1385	1410
NAGALAND	-	-	-	-	-	-	60	295	355
MIZORAM	-	-	-	-	-	-	100	470	570
MANIPUR	-	-	-	-	216	216	-	355	355
GOA	9	214	223	40	472	512	225	548	773
Grand Total	168687	67189	235876	215443	68723	284166	310209	72622	382831

District/State/ Union Territory	1990-91			1991-92			1992-93		
	Holdings (20)	Estates (21)	Total (22)	Holdings (23)	Estates (24)	Total (25)	Holdings (26)	Estates (27)	Total (28)
1. Thiruvananthapuram	21213	943	22156	23723	943	24666	23930	1009	24939
2. Kollam	22957	9481	32438	23702	9476	33178	24073	9467	33540
3. Pathanamthitta	36811	6261	42872	37738	6116	43854	38885	6045	44930
4. Alappuzha	3350	--	3350	3420	--	3420	3470	--	3470
5. Kottayam	99205	4683	103888	100027	4676	104703	101549	4651	106200
6. Idukki	31166	4379	35545	31683	4309	35972	31851	4388	36239
7. Ernakulam	47891	3172	51063	49031	3145	52176	50154	3139	53293
8. Thrissur	6519	4752	11270	6622	3145	11374	7031	4852	11883
9. Palakkad	19707	1097	20804	21718	1097	22815	22808	1173	23981
10. Malappuram	18745	3875	22620	19865	3784	23649	21232	3513	24745
11. Kozhikode	12255	4395	16650	12450	4300	16750	12812	4279	17091
12. Wynaad	4987	48	5035	5102	48	5150	5131	48	5179
13. Kannur	21371	1509	22880	22432	1484	23916	23646	1389	25035
14. Kasargod	16164	986	17150	16565	986	17551	17295	1044	18339
KERALA	362240	45581	407821	374058	45116	419174	383867	44997	428864
15. Kanyakumari	9444	7276	16720	9445	7332	16777	9334	7486	16820
Others	252	178	430	255	178	433	262	178	440
TAMIL NADU	9696	7454	17150	9700	7510	17210	9598	7664	17260
KARNATAKA	7270	6725	13995	7531	6855	14386	7750	6900	14650
A & N ISLANDS	64	896	960	68	896	964	51	919	970
TRIPURA	8162	9158	17320	8675	9185	17860	8535	9715	18250
ASSAM	7154	2226	9380	7489	2251	9740	7611	2274	9885
MEGHALAYA	1018	2448	3466	1160	2898	4058	1784	2566	4350
NAGALAND	520	780	1300	591	780	1371	590	780	1370
MIZORAM	113	837	950	123	837	960	123	837	960
MANIPUR	425	778	1203	437	778	1215	437	778	1215
GOA	422	548	970	405	573	978	425	573	998
MAHARASHTRA	38	107	145	18	132	150	22	132	154
ORISSA	165	80	245	190	80	270	190	80	270
ANDHRA PRADESH	178	--	178	178	--	178	178	--	178
Grand Total	397465	77618	475083	410623	77891	488514	421159	78215	499374

Chart No.1

AREA UNDER HOLDINGS AND ESTATES
(Area in hectares)



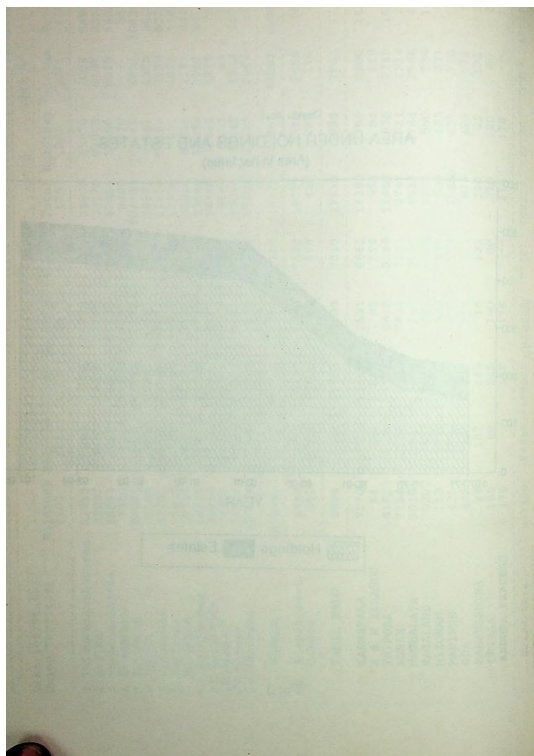


TABLE - 3 (Contn.)

District/State/ Union Territory	1993-94p Holdings (29)	1993-94p Estates (30)	Total (31)	Holdings (32)	1994-95p Estates (33)	Total (34)
1. Thiruvananthapuram	24270	1009	25279	24684	1010	25674
2. Kollam	24707	9360	34067	25385	9386	34771
3. Pathanamthitta	39904	5953	45857	40223	5899	46122
4. Alappuzha	3517	--	3517	3543	--	3543
5. Kottayam	103029	4656	107685	103787	4646	108433
6. Idukki	32305	4323	36628	32721	4320	37041
7. Ernakulam	51105	3165	54270	51680	3143	54803
8. Thrissur	7369	4895	12264	7598	4895	12493
9. Palakkad	23600	1173	24773	24255	1173	25428
10. Malappuram	22201	3327	25528	22715	3328	26043
11. Kozhikode	13177	4250	17427	13312	4182	17494
12. Wynad	5169	48	5217	5207	48	5255
13. Kannur	24590	1358	25948	25815	1358	27173
14. Kasargod	17580	1098	18678	18044	983	19027
KERALA	392523	44615	437138	398929	44371	443300
15. Kanyakumari	9354	7501	16855	9505	7480	16985
Others	267	178	445	267	178	445
TAMIL NADU	9821	7679	17300	9772	7658	17430
KARNATAKA	7997	6853	14850	8177	6778	14955
A & N ISLANDS	50	919	969	31	929	960
TRIPURA	8846	9824	18670	9425	9827	19252
ASSAM	7550	2456	10006	7653	2469	10122
MEGHALAYA	1802	2719	4521	1823	2727	4550
NAGALAND	538	862	1400	559	861	1450
MAIZORAM	135	837	972	142	837	979
HANIPUR	442	778	1220	475	778	1253
GOA	362	935	1297	363	936	1299
MAHARASHTRA	18	132	150	31	60	91
ORISSA	209	80	289	96	125	219
ANDHRA PRADESH	*	--	*	**	--	**
ARUNACHAL PRADESH	*	--	*	38	37	75
Grand Total	430093	78327	508420	437544	78028	515572

TABLE - 4

CLASSIFICATION OF HOLDINGS AND ESTATES ACCORDING TO SIZE AT THE END OF EACH YEAR
(Area in hectares)

Year (1)	HOLDINGS									
	2 ha. & below		Above 2 ha. & upto & including 4 ha.				Above 4 ha.		Total	
	Units (2)	Area (3)	Units (4)	Area (5)	Units (6)	Area (7)	Units (8)	Area (9)		
1955-56	26164	20489	1948	5999	1475	12300	29587	38488		
1960-61	67936	52340	4660	13981	2878	24054	76374	90375		
1965-66	96477	72433	6175	18051	3852	32526	106504	123010		
1970-71	114924	82570	9922	25853	5593	41377	130439	149800		
1975-76	132957	92386	11386	29235	6406	47066	150749	168687		
1980-81	218155	139809	11924	30140	6389	45494	236468	215443		
1985-86	394984	238158	11152	28071	6075	43980	412211	310209		
1990-91	763022	332401	13100	33149	4465	31915	780587	397465		
1991-92	797429	342010	13556	35569	4562	33044	815547	410623		
1992-93	824298	351571	13627	36450	4575	33138	842500	421159		
1993-94p	845402	359451	13714	37205	4584	33437	863700	430093		
1994-95p	862728	365679	13994	37849	4678	34016	881400	437544		

TABLE - 4 (Contn.)

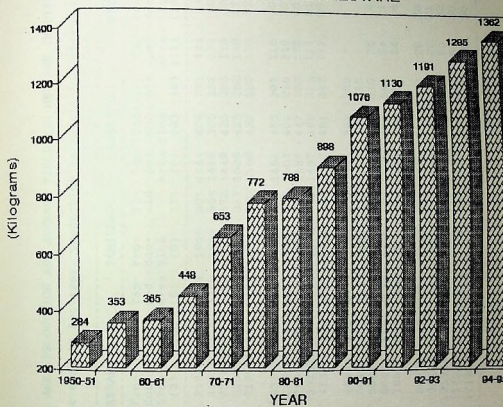
Year	ESTATES													
	Upto 40 ha.		Above 40ha& upto 200ha.		Above 200ha& upto 400ha.		Above 400ha& upto 600 ha.		Above 600ha. upto 800 ha.		Above 800ha. Above 800ha.			
	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Total
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1955-56	209	6781	179	15047	33	9578	15	7513	4	2762	6	5898	446	47579
1960-61	271	7590	216	17812	29	8082	18	8768	5	3437	8	7841	547	53530
1965-66	325	9556	248	20476	30	8551	19	9400	4	2696	10	13024	636	63703
1970-71	309	8771	273	21318	29	8219	20	9966	6	4036	12	15088	649	67398
1975-76	289	8235	242	19332	27	7366	17	8100	9	6138	14	18018	598	67189
1980-81	258	7289	228	18659	25	7481	15	8208	10	6885	17	20201	553	68723
1985-86	137	4320	171	14408	24	7305	18	9046	14	9294	20	28249	384	72622
1990-91	120	3407	130	11348	22	6262	22	11051	17	11415	21	34135	332	77618
1991-92	123	3478	130	11533	22	6217	21	10622	17	11423	21	34618	334	77891
1992-93	126	3543	132	11555	22	6285	21	10649	17	11504	21	34679	339	78215
1993-94p	129	3628	132	11406	22	6280	21	10679	17	11406	21	34928	342	78327
1994-95p	130	3659	132	11377	22	6266	21	10638	17	11230	21	34858	343	78028

TABLE - 5

AREA UNDER HIGH YIELDING AND UNSELECTED MATERIALS
(Area in hectares)

Year	HOLDINGS			ESTATES					TOTAL	
	High yielding (1)	Unselected (2)	Total (3)	Total High yielding (4)	Unselected (5)	Total (6)	Total High yielding (7)	Unselected (8)	Grand total (9)	
1955-56	2844	35644	38488	14874	32705	47579	17718	68349	86067	
1960-61	26912	63463	90375	23811	29719	53530	50723	93182	143905	
1965-66	53048	69962	123010	39534	24169	63703	92562	94131	186713	
1970-71	83030	66770	149800	55397	12001	67398	138427	78771	217198	
1975-76	107326	61361	168687	64978	2211	67189	172304	63572	235876	
1980-81	169699	45744	215443	68110	613	68723	237809	46357	284166	
1985-86	270835	39374	310209	72072	550	72622	342907	39924	382831	
1990-91	365315	32150	397465	77228	390	77618	442543	32540	475083	
1991-92	379036	31587	410623	77519	372	77891	456555	31959	488514	
1992-93	390648	30511	421159	77892	323	78215	468540	30834	499374	
1993-94p	402705	27388	430093	78034	293	78327	480739	27681	508420	
1994-95p	412876	24668	437544	78028	--	78028	490904	24668	515572	

Chart No.2
AVERAGE YIELD PER HECTARE



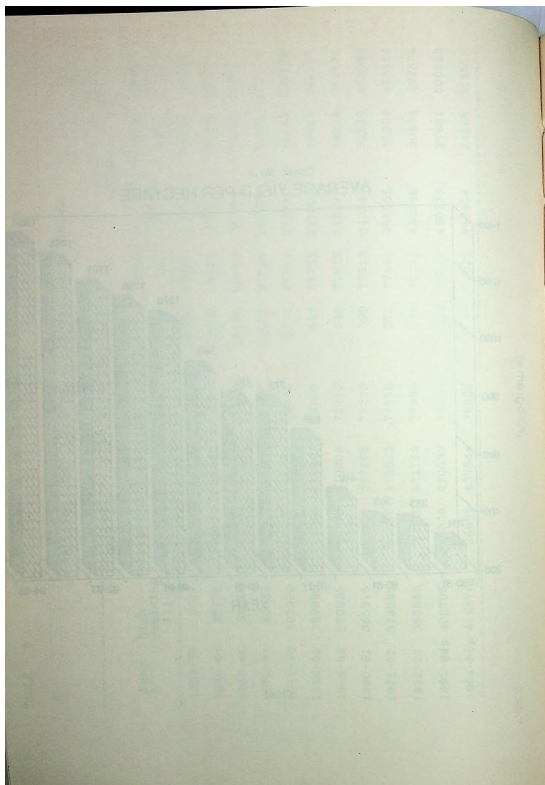


TABLE - 6

TAPPABLE AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE IN DIFFERENT STATES

(Tappable area in hectares, production in metric tonnes and yield in kg)

Year	KERALA				TAMILNADU				KARNATAKA				OTHERS				TOTAL	
	Tap- ped area (2)	Pro- duc- tion (3)	Yi- eld (4)	Tap- ped area (5)	Pro- duc- tion (6)	Yi- eld (7)	Tap- ped area (8)	Pro- duc- tion (9)	Yi- eld (10)	Tap- ped area (11)	Pro- duc- tion (12)	Yi- eld (13)	Tap- ped area (14)	Pro- duc- tion (15)	Yi- eld (16)	Yield (17)		
1955-56	62399	21680	347	3204	1806	501	1444	406	281	134	38	284	67181	23730	351			
1956-57	67394	21853	324	3259	1806	554	1449	385	252	134	36	269	72236	24060	331			
1957-58	66198	22196	335	3265	1890	578	1449	425	293	110	23	209	71022	24534	341			
1958-59	65415	22062	337	3222	1665	517	1506	425	282	110	17	154	70253	24169	344			
1959-60	65007	21890	336	3185	1814	570	1506	437	290	110	32	291	69808	24173	346			
1960-61	65355	23175	354	3305	2040	617	1483	452	305	110	30	272	70253	25697	385			
1961-62	69269	24954	360	3421	2060	602	1501	402	268	110	30	272	74301	27446	370			
1962-63	78516	29057	370	3801	2695	691	1527	447	293	110	40	363	84054	32239	364			
1963-64	89529	33782	377	4319	3176	735	1487	468	315	171	51	298	95506	37487	393			
1964-65	102125	41391	405	4678	3724	796	1407	461	342	171	20	-	108381	45616	420			
1965-66	106623	46953	440	4721	3195	677	1365	362	280	-	-	-	112709	50530	448			
1966-67	107298	50495	471	4812	3927	818	1390	396	285	-	-	-	113500	54818	483			
1967-68	111400	59378	538	4908	4048	825	1395	434	310	24	8	-	117727	64468	548			
1968-69	116935	66473	568	4958	4100	827	1365	470	344	24	11	-	123282	71054	576			
1969-70	126358	76897	609	5339	4526	848	1366	516	372	24	14	-	133107	81953	618			
1970-71	134103	86773	647	5673	4859	857	1374	519	378	26	20	-	141176	92171	653			
1971-72	142000	95499	673	5943	5140	865	1336	550	412	28	21	-	149307	101210	678			
1972-73	146987	105934	721	6490	5739	884	1485	559	450	50	32	-	154962	112364	725			
1973-74	156364	117221	750	7460	7036	943	1710	656	501	50	40	-	165604	125153	756			
1974-75	160956	121558	755	7982	7523	942	1661	1012	544	80	50	-	170879	130143	762			

TABLE - 6 (Contn.)

Year	KERALA			TAMILNADU			KARNATAKA			OTHERS			TOTAL		
	Tap- ped area (17)	Pro- duc- tion (18)	Yi- eld (19)	Tap- ped area (20)	Pro- duc- tion (21)	Yi- eld (22)	Tap- ped area (23)	Pro- duc- tion (24)	Yi- eld (25)	Tap- ped area (26)	Pro- duc- tion (27)	Yi- eld (28)	Tap- ped area (29)	Pro- duc- tion (30)	Yi- eld (31)
1975-76	167742	128769	768	8257	7631	924	2392	1282	536	89	68	-	178482	137750	772
1976-77	173737	139349	802	8952	8535	953	2715	1667	614	190	81	-	185594	149632	806
1977-78	177890	135907	764	8990	9015	1003	3910	1359	501	216	106	-	191006	146987	770
1978-79	177085	123677	698	8952	9367	1046	3893	2100	539	400	153	-	190330	135297	711
1979-80	178690	136609	764	9195	9108	990	4012	2537	632	457	216	-	192554	148470	771
1980-81	179980	140320	780	9700	10446	1077	4004	2128	531	561	206	-	194245	153100	788
1981-82	181180	139435	770	9912	10510	1080	4344	2606	600	775	319	-	196211	152870	779
1982-83	184340	152662	828	10035	9700	967	4360	3070	704	977	418	428	199712	165850	830
1983-84	187720	162212	864	10600	9736	918	5200	2785	536	1000	547	547	204520	175280	857
1984-85	193290	172092	890	10700	10603	991	5365	3095	577	1164	660	567	210519	186450	886
1985-86	205780	184563	897	10560	11025	1044	5610	4090	729	1397	787	563	223347	200465	898
1986-87	218750	202129	924	10970	11755	1071	5935	4855	818	1409	781	554	237064	219520	926
1987-88	229940	216562	942	11549	12470	1080	6120	5253	858	1491	912	612	249100	235197	944
1988-89	246660	238414	967	11600	13370	1153	6281	6222	991	1562	1166	746	266103	259172	974
1989-90	268714	275397	1025	11835	14065	1188	6500	6475	996	2011	1363	678	289060	297300	1029
1990-91	284960	307521	1079	11873	13645	1149	6957	6665	958	2623	1784	680	306413	329615	1076
1991-92	301360	343109	1139	12180	13975	1147	7370	7260	985	3630	2401	661	324540	366745	1130
1992-93	306539	368648	1203	12110	14250	1177	7872	7910	1005	3979	2682	674	330500	393490	1191
1993-94	313416	408311	1304	12215	14720	1205	8410	8626	1026	4509	3503	777	338550	435160	1285
1994-95	318965	442830	1389	12550	15065	1200	9175	9700	1057	5580	4220	756	346265	471915	1362

Yield : Yield in tapped area in Kg. per ha.

TABLE - 7

MONTHWISE PRODUCTION OF NATURAL RUBBER
(Metric Tonnes)

Months (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95 (10)
April	14880	11020	17030	20550	23590	25245	26520	30870	31880
May	19850	21450	25850	26740	20570	30710	31630	34845	39275
June	13560	12680	14815	16280	18310	20310	22880	25300	28580
July	13725	14585	14070	16865	20520	20650	23635	26295	27610
August	16020	15190	13970	22955	25260	28240	26815	35150	36210
September	20780	24480	13540	28445	34850	39470	34980	46450	46930
October	24535	27535	32890	29160	37965	39940	39695	41360	52660
November	25545	27367	34650	34430	37685	41635	45100	47475	53330
December	28775	29240	36340	37330	39840	43235	54240	52490	54650
January	22265	26120	27727	32290	35650	38690	44805	47750	51210
February	9735	12050	12480	15700	18265	17880	20550	22080	23790
March	11850	13480	15810	16735	18910	20740	22440	25085	27710
Total	219520	235197	259172	297300	326615	366745	393490	435160	471815

TABLE - 8

GRADEWISE PRODUCTION OF NATURAL RUBBER
(Metric Tonnes)

	1986-87 (1)	1987-88 (2)	1988-89 (3)	1989-90 (4)	1990-91 (5)	1991-92 (6)	1992-93 (7)	1993-94 (8)	1994-95 (9)	1994-95 (10)
RMA Sheets	148640	162815	177625	207180	236530	263220	281335	315535	342775	
Latex Concen- trates(drc)	26245	27688	32478	36910	39440	43425	46245	48810	52655	
Solid Block Rubber	8500	11246	15354	17160	16880	25870	27107	31240	40390	
Pale Latex Crepes	2950	2112	2440	2409	2725	2900	2608	2985	2790	
Others	33185	31336	31275	33841	33940	31330	36195	36590	33205	
Total	219520	235197	259172	297300	329615	366745	393490	435160	471815	

Chart No.3
PRODUCTION OF HOLDINGS AND ESTATES
 (Metric Tonnes)

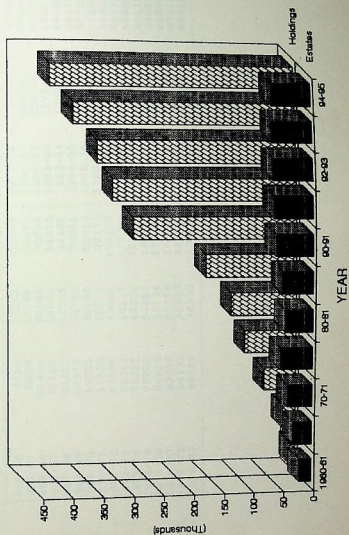


TABLE - 9

PRODUCTION OF HOLDINGS AND ESTATES
(Metric Tonnes)

Year	Holdings	Estates	Total	Year	Holdings	Estates	Total
1955-56	6450	17280	23730	1979-80	103210	45260	148470
1960-61	6528	19169	25697	1980-81	107700	45400	153100
1965-66	20424	30106	50530	1981-82	109160	43710	152870
1966-67	24165	30653	54818	1982-83	117789	48061	155850
1967-68	30215	34253	64468	1983-84	125912	49368	175280
1968-69	36312	34742	71054	1984-85	136335	50115	186450
1969-70	43785	36168	81953	1985-86	149673	50792	200465
1970-71	51538	40633	92171	1986-87	168195	51325	219520
1971-72	57630	43580	101210	1987-88	181710	53487	235197
1972-73	66247	46117	112364	1988-89	204000	55172	259172
1973-74	75231	48822	125153	1989-90	239400	57900	297300
1974-75	79260	50883	130143	1990-91	268500	61115	329615
1975-76	84616	53134	137750	1991-92	302700	64045	366745
1976-77	93848	55784	149632	1992-93	327500	65980	393480
1977-78	94135	52852	146987	1993-94p	367950	67210	435160
1978-79	88767	46530	135297	1994-95p	405900	65915	471815

TABLE-10

DISTRICTWISE PRODUCTION OF NATURAL RUBBER
(Metric Tonnes)

District/State (1)	1970-71 (2)	1975-76 (3)	1980-81 (4)	1985-86 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95 (10)
Thiruvananthapuram	3581	5223	5933	8475	15513	19782	21465	23457	25437
Kollam	16141	24185	25561	19807	26951	29623	31346	34315	36773
Pathanamthitta	--	--	--	16245	34284	36691	41902	45616	49824
Alappuzha	1713	2409	2771	2722	2140	2470	2538	2804	2973
Kottayam	26907	34021	36132	50134	82852	89895	96650	105188	113225
Idukki	--	10187	11140	15811	26838	29248	31721	34286	36540
Ernakulam	11907	12292	13929	19419	37586	43308	47324	53395	58206
Trissur	5700	7190	6739	6079	9108	10152	10592	12639	13780
Palakkad	1466	3816	4516	7150	12531	15312	15788	18389	20414
Malappuram	6451	9132	10571	11419	14855	16286	18246	20269	22330
Kozhikkode	7856	10076	10730	8602	12789	14031	14413	16743	18124
Wynad	5251	10238	12298	1835	2357	2426	2575	2740	2879
Kannur	--	--	--	9841	16808	18304	19482	22196	24506
Kasarode	--	--	--	7424	13149	13601	14806	16284	17709
Kerala State	86773	128769	140320	184563	307521	343109	368648	408311	442830
Outside Kerala	5398	8981	12780	15902	22094	23636	24842	26849	28985
Grand Total	92171	137750	153100	200465	329615	366745	393490	435160	471815

Note: Wynad District was formed in November 1980 from Kozhikkode and Kannur Districts.
Pathanamthitta District was formed in November 1982 from Kollam & Alappuzha Districts.
Kasarode District was formed in May 1984 from Kannur District.

TABLE - 11

MONTHWISE IMPORT OF NATURAL RUBBER
(Metric Tonnes)

	1986-87 (1)	1987-88 (2)	1988-89 (3)	1989-90 (4)	1990-91 (5)	1991-92 (6)	1992-93 (7)	1993-94p (8)	1994-95p (9)	1994-95p (10)
April	3509	6091	9937	12063	11248	2953	1548	2555	793	
May	13766	8340	14792	2287	8223	1195	1652	3638	728	
June	10594	6921	7380	1550	8580	2153	1842	2404	125	
July	12602	9798	6823	7706	2753	827	2206	3231	673	
August	1724	9553	3440	1498	5000	1543	1985	2881	606	
September	27	283	764	1312	6334	1347	2899	2761	1375	
October	649	456	1384	825	1901	472	2163	1180	2039	
November	78	2378	625	1858	1211	937	619	584	55	
December	212	881	4036	433	2133	583	773	725	143	
January	191	2220	4750	935	1358	604	530	430	229	
February	1432	3285	1608	5492	1200	780	257	137	855	
March	572	3759	4298	8466	2001	1106	128	858	910	
Total	45356	53685	59835	44445	51942	14500	16498	21384	8531	

TABLE - 12

GRADEWISE IMPORT OF NATURAL RUBBER
(Metric tonnes)

GRADE (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92p (7)	1992-93p (8)	1993-94p (9)	1994-95p (10)
RSS-1	225	38	108	388	304	308	129	--	144
RSS-2	36	361	377	--	--	--	155	65	--
RSS-3	32778	38954	40218	36759	40336	9643	12009	15991	5886
RSS-4	131	204	28	351	184	1186	1328	382	--
Latex	19	--	--	26	718	1397	626	2274	769
Block }	12011	14128	18966	6790	9827	1695	1986	2383	1932
Rubber }									
EBC-2X	--	--	--	--	284	--	--	--	--
Pale Latex }	156	--	138	121	279	271	285	289	--
Crepe }									
Total	45356	53865	59835	44445	51942	14500	16498	21384	8531

TABLE-13

MONTHWISE CONSUMPTION OF NATURAL RUBBER
(Metric Tonnes)

Months (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95 (10)
April	20845	21920	26365	26780	29040	29385	33250	36025	37745
May	21730	22475	25805	27980	29215	29910	32150	35875	38330
June	20960	22360	26270	27795	29350	29820	33115	37730	39280
July	20870	23935	25250	27430	31040	30515	33795	36270	39720
August	21170	22880	25475	27530	29420	31320	33995	36650	39850
September	20865	21965	25565	28765	29140	31850	33450	34380	36965
October	19675	21735	24975	27645	30395	31680	34280	36820	38705
November	21095	25870	26555	30360	31405	32410	35585	38200	40220
December	23615	27615	28320	29650	31585	34175	35920	41450	43940
January	22685	25685	26370	29180	31530	32410	36780	38635	44070
February	21725	25190	25850	28255	30870	32960	35565	38160	41655
March	22270	25450	27030	30470	31380	33735	36220	38285	42350
Total	257305	287480	313830	341840	364310	360150	414105	450480	485850

TABLE - 14

GRADEWISE CONSUMPTION OF NATURAL RUBBER
(Metric Tonnes)

Grade (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95 (10)
RMA Sheets	176605	200420	216550	240895	261780	272605	298090	332720	353730
Estate Brown } Crepes }	28268	30991	29796	36365	30367	32515	32205	28300	30940
Latex Concen- } trates(drc) }	25875	28190	30420	36790	39665	42370	48600	52185	53985
Pale Latex Crepe & Sole Crepe	3192	2877	2325	2710	3307	3240	3075	3035	3085
Solid Block } Rubber }	22145	24080	33730	23750	27700	27855	30730	32560	42345
Others	1220	922	1009	1330	1291	1565	1405	1680	1765
Total	257305	287480	313830	341840	364310	380150	414105	450480	485850

TABLE - 15

STOCK OF NATURAL RUBBER WITH GROWERS, DEALERS AND MANUFACTURERS
AT THE END OF EACH MONTH
(Metric Tonnes)

Months	1986-87					1987-88				
	G & D (2)	M (3)	STC (4)	T (5)	G & D (6)	M (7)	STC (8)	T (9)		
April	31530	20870	330	52730	31005	19810	7140	57955		
May	35470	22660	6468	64598	38015	22670	4450	65135		
June	36950	23340	7472	67762	33130	22920	6272	62322		
July	38405	21935	14838	73178	33285	23565	5600	62450		
August	39975	20735	8990	69700	32170	26905	4407	63482		
September	42340	22175	5204	69719	36950	24700	4607	68257		
October	47470	21935	5815	75220	50660	17690	3840	72390		
November	52290	20250	7166	79706	50430	20865	3940	75135		
December	51180	22185	9648	83013	50015	23740	3840	77595		
January	49105	21795	11910	82810	48430	25955	5754	80139		
February	38785	21650	11773	72208	34930	28340	7012	70282		
March	31740	19340	11626	62706	29590	28950	5561	64101		

Note: G - Growers, D - Dealers & Processors, M - Manufacturers,
STC - State Trading Corporation of India, T - Total
Stock with manufacturers includes stock in transit
as well as imported rubber.

Table - 15 (Contn.)

Months	1988-89				1989-90			
	G & D (10)	M (11)	STC (12)	T (13)	G & D (14)	M (15)	STC (16)	T (17)
April	32280	27070	5336	64696	24055	22025	28969	75049
May	34630	29262	15648	79540	27305	22450	26379	76134
June	32015	30860	12488	75463	21325	22660	22266	66251
July	25180	25920	20005	71105	20835	20670	20189	61704
August	23065	24950	15025	63040	25325	21670	14209	61204
September	20310	22470	8100	50680	29075	24365	8533	61973
October	33195	25550	1428	60173	32840	23250	8078	64168
November	38620	29200	1072	68892	36775	25185	8078	70038
December	41375	33515	6055	80945	41550	28720	8078	79348
January	43325	32480	11247	87052	42280	31975	8078	82333
February	33130	28995	13132	75257	34120	30515	10631	75266
March	26095	26165	17019	69279	25460	27360	16786	69615

Table - 15 (Contn.)

Months	1990-91					1991-92				
	G & D (18)	M (19)	STC (20)	T (21)	G & D (22)	M (23)	STC (24)	T (25)		
April	25550	25185	24251	74986	28245	32240	24591	85076		
May	26860	26600	21108	74568	31045	31370	24591	87006		
June	23730	28780	19832	72152	25980	28555	24591	79126		
July	23475	26965	13923	64363	23165	22275	24591	70031		
August	26165	25760	13281	65206	25725	23690	16968	68383		
September	35100	23750	16891	75741	33200	25200	16935	77335		
October	40410	27940	16891	85241	43315	23360	19378	86053		
November	50015	25965	16891	92871	49640	26175	20215	96030		
December	55720	30720	16891	103331	56245	26565	23200	106010		
January	59295	33580	16891	109766	57800	26430	28461	112691		
February	42225	35795	18341	96361	38510	25325	34140	97975		
March	30230	34045	22155	86430	26185	25980	29083	81248		

Table - 15 (Contn.)

Months	1992-93				1993-94				1994-95			
	G & D (26)	M (27)	STC (28)	T (29)	G & D (30)	M (31)	T (32)	G & D (33)	M (34)	T (35)		
April	24140	22785	24919	71844	39340	29200	68540	39120	32780	71900		
May	27990	23780	21199	72969	40510	30840	71350	42905	30670	73575		
June	26895	26550	9605	62850	31585	29740	61325	31115	29735	60850		
July	26340	25340	3414	55094	26460	26100	52580	25895	23475	49370		
August	27490	20710	1699	49899	32070	21690	53760	30085	16180	46265		
September	34430	19040	659	54129	48010	20580	68590	35255	19305	54560		
October	41885	19340	486	61711	50805	23500	74305	48990	21505	70495		
November	48990	22370	486	71846	62300	22365	84665	59055	24520	83575		
December	66160	24290	486	90936	71515	24915	96430	62935	31125	94060		
January	74205	24735	486	98426	77370	26540	105910	59770	41205	100975		
February	58605	25575	486	84666	56865	33045	89910	41240	42290	83530		
March	42930	27725	486*	71141	42125	34890	77015	27490	42060	69550		

* Stock disposed in December 93

No procurement/import by STC since then.

Table - 16

MONTHWISE PRODUCTION OF SYNTHETIC RUBBER
(Metric Tonnes)

Months	1986-87 (1)	1987-88 (2)	1988-89 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95 (10)
April	2402	3003	3624	3609	3840	4082	4846	4090	4391	
May	3354	2952	4585	4042	4352	4046	5144	2973	4359	
June	3309	2756	3664	4860	4519	4619	4446	3879	5664	
July	2993	3662	4795	4935	5240	4469	3691	4057	5803	
August	1932	4530	3735	4296	3673	5412	5354	3088	6278	
September	3586	4144	4350	2915	4095	4973	5574	4746	5343	
October	3040	3029	5145	5006	4717	5266	5730	2878	3401	
November	3357	4270	4990	4555	4810	4472	2231	5423	6133	
December	3266	4201	4574	5284	5971	5064	4563	5410	6927	
January	3779	2418	5142	4971	5547	5555	5185	5766	6245	
February	3624	4888	4711	3800	5085	5216	5677	4781	4557	
March	3974	4615	5074	5209	5444	4552	5651	2542	4580	
Total	38816	44468	54369	53462	57293	57726	57892	49633	63681	

TABLE - 17

GRADEWISE PRODUCTION OF SYNTHETIC RUBBER
(Metric Tonnes)

Grade (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95 (10)
SBR-1502	5124	8098	12075	9988	11962	8962	8099	4620	9289
SBR-1712	6280	6753	8325	8228	8745	8458	5406	1646	5425
SBR-1958	10361	13395	17131	18835	19808	21027	21355	22667	21773
Latex(drc)	308	1008	1141	1326	1501	1902	1908	2153	3044
Nitrile	421	708	67	--	--	--	3108	2592	2614
Polybutadiene	15411	14488	15650	15105	15277	17365	17377	14728	19320
Others	911	18	--	--	--	12	639	1227	2216
Total	38816	44468	54389	53482	57293	57726	57892	49633	63881

TABLE - 18

GRADEWISE CONSUMPTION OF SYNTHETIC RUBBER
(Metric Tonnes)

Grade (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95 (10)
Styrene buta- diene rubber *	31925	33420	38095	40945	45225	44035	45985	46310	48850
Butyl	11243	12392	13790	18765	20884	21793	20051	21819	22762
Polychloroprene	1375	1987	2080	2568	2941	3065	3173	3187	3162
Nitrile	1866	2915	2960	3031	3580	3573	3848	3949	4148
Polybutadiene	19735	20925	22920	24630	27115	27430	29875	31580	36195
Latex	2516	2345	2400	2455	3442	3570	3485	3593	3955
EPDM }							680	815	2018
Others* }	3125	2426	905	1156	1548	1504	1458	1500	1600
Total	71785	76410	84150	93550	104735	105650	108690	113395	122710

* : Include unclassified rubber also.

* : Include SBR latex

TABLE-19

STOCK OF SYNTHETIC RUBBER AT THE END OF EACH MONTH
(Metric Tonnes)

Months (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91p (6)	1991-92p (7)	1992-93p (8)	1993-94p (9)	1994-95p (10)
April	14920	14340	12825	15700	15150	16560	11155	14680	14070
May	16345	14815	12900	16920	16280	15385	11515	16850	14495
June	17305	14120	12950	17730	15800	14750	11070	18380	15955
July	18100	13500	14175	17600	15900	13125	11490	17920	16050
August	17500	14540	13525	17010	15500	13600	11350	15675	17420
September	17050	15125	13920	15930	14200	12770	11340	16890	16930
October	16800	14135	15250	16800	14000	12270	13160	14900	15190
November	17300	13020	15550	16650	17010	11690	12430	16790	16120
December	16330	13340	16075	17150	18780	11620	13200	16400	17190
January	16165	11860	16045	17800	19650	12380	12960	16790	18200
February	16440	13170	17010	16900	19100	12485	14480	16825	17235
March	15100	13245	17000	15500	19500	11470	12390	14665	20285

PRODUCTION, IMPORT, CONSUMPTION AND EXPORT
OF RECLAIMED RUBBER
(Metric Tonnes)

Year (1)	Production (2)	Import (3)	Consumption (4)	Export (5)
1960-61	2000*	3024	5453	--
1961-62	2500*	3847	6046	--
1962-63	3000*	3858	6850	--
1963-64	4500*	3777	7982	--
1964-65	7500*	2078	9369	--
1965-66	9500	179	9774	--
1966-67	11500	126	10913	--
1967-68	12000	19	11862	10
1968-69	13500	--	14169	50
1969-70	14652	--	14255	183
1970-71	15507	--	14348	259
1971-72	16710	--	15772	692
1972-73	17186	--	14666	1076
1973-74	18644	--	17784	1268
1974-75	19360	--	18096	1050
1975-76	19581	--	19342	141
1976-77	20256	--	20957	973
1977-78	21817	--	21681	1282
1978-79	27618	--	26330	1045
1979-80	26786	--	25660	953
1980-81	29336	--	26850	1127
1981-82	28787	--	28160	896
1982-83	28242	--	29190	520
1983-84	32964	--	30690	524
1984-85	34155	--	34625	446
1985-86	39195	--	38215	201
1986-87	38995	--	38635	188
1987-88	40535	--	41140	278
1988-89	40960	--	42450	699
1989-90	47615	--	46300	752
1990-91	53629	--	52500	985
1991-92	54185	--	54015	573
1992-93	61490	--	62470	379
1993-94	62780	--	63110	810
1994-95	64425	--	64655	1928

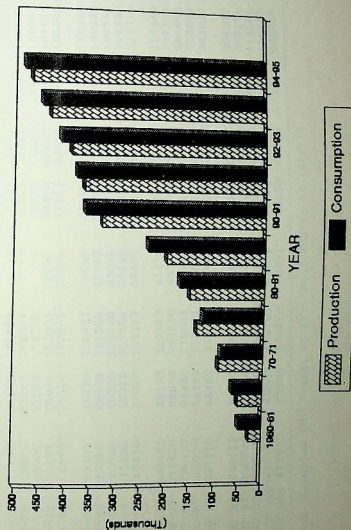
* : Approximately
Source: For Import and export data upto 1990-91,
"Monthly Statistics of Foreign Trade of India"
published by Govt. of India & Chemicals and Allied
Products Export Promotion Council.

TABLE - 21

PRODUCTION, IMPORT, EXPORT AND CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER
(Metric Tonnes)

Year (1)	PRODUCTION			IMPORT			EXPORT			CONSUMPTION		
	Natural (2)	Synthetic (3)	Total (4)	Natural (5)	Synthetic (6)	Total (7)	Natural (8)	Synthetic (9)	Total (10)	Natural (11)	Synthetic (12)	Total (13)
1955-56	23730	--	23730	4428	1201	5629	12	28445	461	28906	--	--
1956-57	24060	--	24060	7341	3134	10475	81	29998	2866	32864	--	--
1957-58	24534	--	24534	11357	3014	14371	--	33074	3161	36235	--	--
1958-59	24169	--	24169	12538	4229	16767	--	35767	3477	39244	--	--
1959-60	24173	--	24173	15287	5718	21005	--	40491	4964	45455	--	--
1960-61	25697	--	25697	23125	8097	31222	--	48148	7397	55545	--	--
1961-62	27446	--	27446	22528	10121	32649	--	48410	10186	58596	--	--
1962-63	32239	--	32239	23360	10297	33657	--	53553	10723	64276	--	--
1963-64	37487	8075	45562	26275	8812	35087	--	61155	11959	73114	--	--
1964-65	45616	11633	57249	15003	3315	18318	--	61057	15285	76342	--	--
1965-66	50530	14741	65271	16357	2735	19092	--	63765	21553	85318	--	--
1966-67	54818	22356	77176	23444	5608	29150	--	68685	23592	92277	--	--
1967-68	64468	19942	84410	9551	3127	12678	--	74518	23324	97842	--	--
1968-69	71054	25868	96922	8548	2909	11457	--	86815	27238	113853	--	--
1969-70	81953	28689	110642	17821	4736	22557	--	86213	30636	116849	--	--
1970-71	92171	29791	121962	2469	5014	7483	--	87237	33160	120397	--	--
1971-72	101210	32911	134121	437	5627	6064	--	96454	37209	133663	--	--
1972-73	112364	21832	134196	380	6044	6424	--	104028	33913	137941	--	--
1973-74	125153	23542	148695	52	5609	5661	2700	130302	23921	154223	--	--
1974-75	130143	17712	147855	--	6939	6939	350	132604	24376	156980	--	--

Chart No.4
PRODUCTION AND CONSUMPTION OF NR
 (Metric Tonnes)



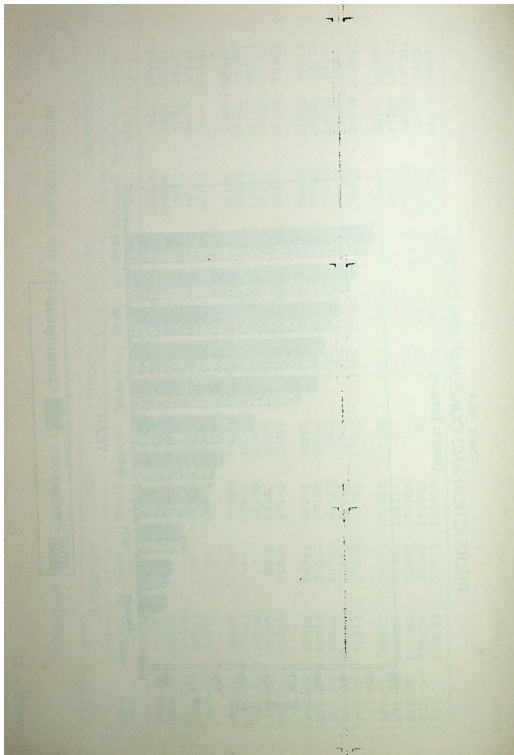


TABLE - 21 (Contn.)

Year	PRODUCTION			IMPORT		EXPORT		CONSUMPTION		
	Natural Synthetic (12)	Total (13)	Natural Synthetic (14)	Natural Synthetic (15)	Total (16)	Natural Synthetic (17)	Total (18)	Natural Synthetic (19)	Total (20)	Total (21)
1975-76	137750	25119	162869	--	6391	6391	--	125692	32452	158144
1976-77	149632	23212	172844	--	7812	7812	12296	137623	34955	172578
1977-78	146987	27286	174275	--	9935	9935	11078	144967	36150	181117
1978-79	135297	28054	163351	14750	13309	28059	--	164524	40470	204994
1979-80	148470	29524	177994	32200	17314	49514	--	165245	43238	208483
1980-81	153100	25293	178393	9250	17492	28742	--	173630	47050	220680
1981-82	152870	28499	181369	42750	29659	72409	--	188420	52850	241070
1982-83	165850	30280	196140	33401	24394	57795	--	195545	55250	250795
1983-84	175280	32270	207550	35940	23287	59227	--	209480	62300	271780
1984-85	186450	37669	224119	37461	30248	67709	--	217510	65400	282910
1985-86	200465	34758	235223	41431	39086	80517	--	237440	70035	307475
1986-87	219520	38816	258336	45356	32600	77956	--	257305	71785	329090
1987-88	235197	4468	279665	53685	30100	83785	--	287480	76410	363890
1988-89	259172	54389	313561	59635	33950	93785	--	313630	84150	397880
1989-90	297300	53482	350782	44445	39000	83445	--	341840	93550	435390
1990-91	329615	57293	386908	51942	51715	103657	--	364310	104735	469045
1991-92	368745	57728	426471	14500	39210	53710	5834	380150	105650	485800
1992-93p	393490	57892	451382	16498	47362	63860	5999	414105	108690	522795
1993-94p	435160	49633	484793	21364	64338	85722	196	450480	113395	563875
1994-95p	471815	63681	535496	8531	73860	82591	1961	485850	122710	608560

Note: Exported 680 Tonnes of Synthetic Rubber in 1974-75

TABLE - 22

TOTAL STOCK OF NATURAL AND SYNTHETIC RUBBER WITH PRODUCERS
DEALERS AND MANUFACTURERS AT THE END OF EACH MONTH
(Metric Tonnes)

Months (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)	1990-91 (6)	1991-92 (7)	1992-93 (8)	1993-94 (9)	1994-95P (10)
April	67650	72290	77325	90750	90140	101635	83000	83220	85970
May	80945	79950	92440	93050	90850	102390	84485	88200	88070
June	85065	76440	88410	83980	87950	93875	73920	79705	76805
July	91280	75950	85280	79305	80265	83155	66585	70500	65420
August	87200	78020	76565	78200	80705	81985	61250	69435	63685
September	86770	81385	64800	77900	89940	90105	65470	85480	71490
October	92020	86525	75420	80970	99240	98320	74870	89205	85685
November	97000	88155	84440	86690	109880	107720	84275	101455	99695
December	99340	90935	97020	95500	122110	117630	104135	112830	111250
January	98975	92000	103095	94130	129415	125070	112385	122700	119175
February	88640	83450	92270	92165	115460	110460	99145	106735	100765
March	77800	77945	86280	85110	105930	92720	83430	91680	89835

TABLE - 23

PRODUCTION, IMPORT, CONSUMPTION AND STOCK OF
NATURAL RUBBER AND SYNTHETIC RUBBER
(Metric Tonnes)

NATURAL RUBBER						
Year (1)	production (2)	Import (3)	Total (4)	Consumption (5)	Excess(+) or deficiency(-) compared with consumption (6)	Stock at the end of the period (7)
1965-66	50530	16357	66887	63765	+ 3122	16573
1966-67	54818	23544	78362	68685	+ 9677	25978
1967-68	64468	9551	74019	74518	- 499	25348
1968-69	71054	8548	79602	86615	- 7013	18222
1969-70	81953	17821	99774	86213	+13561	31778
1970-71	92171	2469	94640	87237	+ 7403	39109
1971-72	101210	437	101647	96454	+ 5193	44277
1972-73	112364	380	112744	104028	+ 8716	52957
1973-74	125153	52	125205	130302	- 5097*	45160
1974-75	130143	--	130143	132604	- 2461*	42349
1975-76	137750	--	137750	125692	+12056	53759
1976-77	149632	--	149632	137623	+12009*	53085
1977-78	146987	--	146987	144967	+ 2020*	44027
1978-79	135297	14750	150047	164524	-14477	29515
1979-80	148470	32200	180670	165245	+15425	44910
1980-81	153100	9250	162350	173630	-11280	33700
1981-82	152870	42750	195620	188420	+ 7200	39700
1982-83	165850	33401	199251	195545	+ 3706	43400
1983-84	175280	35940	211220	209480	+ 1740	45150
1984-85	186450	37461	223911	217510	+ 6401	51550
1985-86	200465	41431	241896	237440	+ 4456	55360
1986-87	219520	45356	264876	257305	+ 7571	62700
1987-88	235197	53685	288882	287480	+ 1402	64100
1988-89	259172	59635	319007	313830	+ 5177	69280
1989-90	297300	44445	341745	341840	- 95	69610
1990-91	329615	51942	381557	364310	+17247	86430
1991-92	366745	14500p	381245	380150	+ 1095*	81250
1992-93	393490	16498p	409988	414105	- 4117*	71140
1993-94	435160	21384p	456544	450480	+ 6064*	77015
1994-95	471815	8531p	480346	485850	- 5504*	69550

* Exported 2700 tonnes in 1973-74, 350 tonnes in 1974-75,
12296 tonnes in 1976-77, 11078 tonnes in 1977-78,
5834 tonnes in 1991-92, 5999 tonnes in 1992-93,
186 tonnes in 93-94 and 1961 tonnes in 1994-95.

TABLE - 23 (Contn.)

SYNTHETIC RUBBER						
Year	production (8)	Import (9)	Total (10)	Consumption (11)	Excess(+) or deficiency(-) compared with consumption (12)	Stock at the end of the period (13)
1965-66	14741	2735	17476	21553	- 4077	4675
1966-67	22358	5606	27964	23592	+ 4372	8819
1967-68	19942	3127	23069	23324	- 255	8358
1968-69	25868	2909	28777	27238	+ 1539	9751
1969-70	28689	4736	33425	30636	+ 2789	12548
1970-71	29791	5014	34805	33160	+ 1645	13994
1971-72	32911	5627	38538	37209	+ 1329	15323
1972-73	21832	6044	27876	33913	- 6037	9286
1973-74	23542	5609	29151	23921	+ 5230	14500
1974-75	17712	6939	24651	24376	+ 275	13878
1975-76	25119	6391	31510	32452	- 942	12445
1976-77	23212	7812	31024	34955	- 3931	9090
1977-78	27288	9935	37223	36150	+ 1073	10443
1978-79	28054	13309	41363	40470	+ 893	10700
1979-80	29524	17314	46838	43238	+ 3600	15200
1980-81	25293	17492	42785	47050	- 4265	10900
1981-82	28499	29659	58158	52650	+ 5508	16200
1982-83	30290	24394	54684	55250	- 566	15700
1983-84	32270	23287	55557	62300	- 6743	8980
1984-85	37669	30248	67917	65400	+ 2517	11650
1985-86	34758	39086	73844	70035	+ 3809	14470
1986-87	38816	32600	71416	71785	- 369	15100
1987-88	44468	30100	74568	76410	- 1842	13245
1988-89	54389	33950	88339	84150	+ 4189	17000
1989-90	53482	39000	92482	93550	- 1068	15500
1990-91	57293	51715	109008	104735	+ 4273	19500
1991-92	57726	39210	96936	105650	- 8714	11470
1992-93	57892	47362	105254	108690	- 3436	12390
1993-94	49633	64338	113971	113395	+ 576	14665
1994-95	63661	73860	137541	122710	+ 14831	20285

TABLE - 24 (Contn.)

State/ Territory	1975-76			1980-81		
	Natural (10)	Synthetic (11)	Reclaimed Total (12)	Natural (14)	Synthetic (15)	Reclaimed Total (17)
Andhra Pradesh				2223	250	186 2859
Delhi	4168	591	196 4955	6311	1372	1071 8754
Goa & Daman	3483	268	78 3829	2409	350	55 2814
Gujarat	2138	447	230 2815	3034	560	583 4177
Haryana	11110	3109	698 14817	14974	4421	1548 20943
Karnataka	1920	953	644 3517	5770	1944	699 8413
Kerala	9268	1062	1069 11399	19283	4673	2293 28249
Maharashtra	28400	10668	4612 43680	33119	11678	5748 50545
Punjab	5743	227	206 6178	13232	1565	2463 17260
Tamilnadu	20900	4140	3526 28566	17050	4961	2472 24483
Uttar Pradesh	9672	1363	501 11536	22578	4601	2057 29236
West Bengal	27300	9090	7482 43872	27414	7771	7571 42756
Rajasthan				5482	2448	59 7989
Others	1590*	534*	100* 2224*	751	456	45 1252
Total :	125692	32452	19342 177486	173630	47050	26850 247530

NOTE: In 1975-76 consumption of rubber by M/S MRF Ltd. at their Kottayam unit was included in Tamil Nadu, but from 1980-81 onwards it is included in Kerala.

* : Including Rajasthan and Andhra Pradesh.

TABLE - 24 (Contn.)

State/ Territory	1985-86			1980-81		
	Natural Synthetic Reclaimed (18)	(19)	Total (20)	Natural Synthetic Reclaimed (21)	(22)	Total (23)
Andhra Pradesh	4538	901	439	5878	8907	2594
Delhi	10209	1654	552	12415	15613	3747
Goa & Daman	4180	1683	162	6025	6214	1501
Gujarat	4962	780	293	6035	6889	1402
Haryana	18780	7025	925	26730	22728	7106
Karnataka	11670	5119	1912	18701	16978	6602
Kerala	28341	5896	3375	37612	55365	15232
Madhya Pradesh	920	297	24	1241	4120	1040
Maharashtra	37351	14966	6550	58867	47219	21370
Punjab	27172	3845	10637	41654	46158	3735
Rajasthan	12259	3623	207	16089	17936	6932
Tamilnadu	19087	7340	3150	29587	21213	11254
Uttar Pradesh	29458	6889	4523	40870	46795	11396
West Bengal	27538	9091	5445	42074	42292	9635
Others	965	928	21	1912	5883	1189
Total	237440	70035	38215	345690	364310	104735
						52500
						521545

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TABLE - 24 (Contn.)

State/ Territory	1991-92				1992-93			
	Natural (26)	Synthetic (27)	Reclaimed (28)	Total (29)	Natural (30)	Synthetic (31)	Reclaimed (32)	Total (33)
Andhra Pradesh	13982	3685	2282	20139	15003	5124	2692	22819
Bihar	1037	229	73	1339	985	242	181	1408
Delhi	16322	3696	1675	21693	17201	3571	2200	22972
Goa & Daman	7914	1235	549	9698	10533	1375	609	12517
Gujarat	9386	1339	1051	10776	15618	2851	1650	20119
Haryana	24641	6593	1679	32913	27198	6554	2085	36837
Karnataka	14686	6459	2486	27411	19596	6689	3222	29509
Kerala	51197	14893	4853	70943	52462	15646	5365	73473
Maharashtra	5290	1246	1754	8290	9579	1954	1839	13372
Madya pradesh	43921	20904	9360	79585	49174	20923	2707	79804
Maharashtra	43921	20904	9360	79585	49174	20923	2707	79804
Orissa	3599	1607	57	5263	9308	3500	225	13033
Pondicherry	3692	1021	91	4804	3720	1022	36	4778
Punjab	51571	5025	13295	69891	53763	4859	15808	74430
Rajasthan	17968	6265	473	24706	22395	6385	517	29297
Tamilnadu	20402	9294	4195	33891	22003	7786	4566	34355
Uttar Pradesh	47448	11934	5389	64771	44962	10218	6486	61666
West Bengal	39338	10030	4558	52926	38485	9942	5251	53678
Others	546	15	15	576	2118	49	31	2198
Total	380150	105650	54015	539815	414105	108690	62470	585265

TABLE - 24(Contn.)

State/ Territory	1993-94			1994-95		
	Natural Synthetic Reclaimed	Total	Natural Synthetic Reclaimed Total	(39)	(40)	(41)
	(34)	(35)	(36)	(37)	(38)	(39)
Andhra Pradesh	14997	5873	2610	23280	18321	6121
Bihar	1095	242	185	1522	1019	284
Delhi	18810	3172	1711	23693	18719	2581
Goa & Daman	9434	2008	591	12033	8908	2311
Gujarat	20303	3457	1877	25437	21833	3690
Haryana	31133	6591	1891	39615	29022	7481
Karnataka	21061	6755	3739	31555	22332	7200
Kerala	54108	16441	5333	75882	64860	18984
Madhya Pradesh	12675	2500	1895	17070	14733	2504
Maharashtra	15976	21328	9725	83029	58618	22947
Orissa	10980	4154	221	15355	12873	4138
Pondicherry	3871	1070	35	4976	1562	609
Rajasthan	55374	5494	16252	77120	58008	5515
Tamilnadu	23358	6173	503	30034	24997	6528
Uttar Pradesh	52897	8088	4654	38012	25882	10802
West Bengal	40554	9481	6783	70396	62120	12550
Others	2584	52	5268	55303	41168	8627
			37	2673	1275	60
Total	450480	113395	63110	626985	485850	122710
						64655 673215

TABLE - 25

VALUE OF RUBBER IMPORTED FROM VARIOUS COUNTRIES

Country (1)	('000 Rs)						
	1975-76 (2)	1976-77 (3)	1978-79 (4)	1980-81 (5)	1982-83 (6)	1984-85 (7)	1986-87 (8)
	Natural Rubber						
Malaysia	--	56	112616	35437	137357	271982	345150
Singapore	39	27	--	61252	52337	1993	10730
Sri Lanka	--	--	27764	--	19189	6014	3418
U. S. A	12	430	--	587	55	237	264
Canada	488	--	--	117	--	--	--
U. K.	70	122	1	96	186	9	26
Germany(FR)	--	23	12	38	164	31	1472
France	546	1310		110	318	968	2237
Belgium	1039	--	--	--	76	--	--
Others	582	803	8	2409	48046	48843	78163
Total	2776	2771	140401	100046	258728	330077	441460

TABLE - 25 (Contn.)

Country	1987-88 (9)	1988-89 (10)	1989-90 (11)	1990-91 (12)	1991-92 (13)	1992-93 (14)	1993-94 (15)	1994-95 (16)
Natural Rubber								
Thailand	--	--	38262	--	--	218084	259836	84153
Malaysia	584553	822277	519178	472748	120892	133422	167271	125420
Singapore	13376	30174	70333	164155	21929	7000	15385	12348
Sri Lanka	1357	11753	8480	8867	32107	91844	103048	7205
U. S. A	927	10942	21	3409	1090	641	--	304
Canada	--	--	--	--	--	--	--	--
U. K.	2174	4499	273	1153	1	158	--	--
Germany(FR)	899	2360	7	--	--	--	--	2
France	8476	11779	221	--	567	28	--	2675
Belgium	--	208	--	3235	--	--	--	--
Others	52129	49394	38143	108724	119603	15280	3269	40009
Total	663861	943386	674918	762291	296189	466457	548809	272116

TABLE - 25(Contn..)

Country (16)	1975-76 (17)	1976-77 (18)	1978-79 (19)	1980-81 (20)	1982-83 (21)	1984-85 (22)	1986-87 (23)
Synthetic and Reclaimed Rubber*							
U.S.A	8584	10348	20907	53923	68064	58432	35621
Canada	6324	5177	8449	10502	92	17438	44866
Germany(FR)	6184	7775	17431	15050	13482	50265	40634
U. K.	1259	1733	2417	2459	6242	8905	18423
France	4901	3123	9785	12116	29244	50292	50328
Netherlands	728	97	174	997	9792	2401	2902
Belgium	25272	25632	31030	38268	79912	70462	68287
Japan	10744	25871	49542	42232	123514	202354	270249
Others	166	1089	1788	13787	50248	81649	101872
Total	65162	80845	141523	189334	380590	542198	633182

TABLE - 25(Contn.)

Country	1987-88 (24)	1988-89 (25)	1989-90 (26)	1990-91 (27)	1991-92 (28)	1992-93 (29)	1993-94 (30)	1994-95 (31)
Synthetic & Reclaimed Rubber*								
U. S. A	84325	90787	99865	169848	123066	238806	159990	189897
Canada	17092	3318	26	14845	14896	117143	71814	49011
Germany(FR)	42646	45047	73340	103365	118965	189581	147970	299646
U. K.	17634	48010	46762	57240	40907	44267	66643	82318
France	42734	37831	59026	147074	152497	218208	257007	519020
Netherlands	4206	7204	14931	21230	26635	24557	11240	12488
Belgium	92255	143936	203476	280916	231361	269887	275029	464586
Japan	188833	300382	380650	443534	560140	675105	1006654	1152812
Others	50955	109204	181639	258998	230656	369799	468397	665864
Total	540680	785719	1059715	1497050	1519123	2147353	2464744	3435642

* including waste and scrap of unhardened rubber

Source: "Monthly Statistics of Foreign Trade of India"

published by the Government of India.

TABLE-28

PRICE OF UNGRADED NATURAL RUBBER
(Average price in Rs. per 100 kg. for ungraded rubber in Kottayam market)

Month	1985-86 (1)	86-87 (2)	87-88 (3)	88-89 (4)	88-89 (5)	89-90 (6)	90-91 (7)	91-92 (8)	92-93 (9)	93-94 (10)	94-95 (11)	95-96 (12)
April	1580	1706	1802	1714	1839	2170	1994	2327	2469	2514	53	
May	1651	1706	1797	1721	1978	2195	2014	2417	2532	2645	58	
June	1655	1620	1725	1693	2233	2349	2005	2541	2618	2685	57	
July	1692	1566	1799	1726	2410	2133	2009	2428	2567	2882	47	
August	1706	1552	1730	1776	2309	1880	2018	2465	2511	3112	39	
September	1678	1501	1705	1838	1942	2013	1959	2547	2375	3517	40	
October	1672	1496	1697	1825	1844	1894	1916	2589	2271	3350	41	
November	1625	1505	1643	1699	1823	1888	1882	2332	2199	3033	42	
December	1616	1508	1636	1674	1943	1885	1903	2225	2311	3574	54	
January	1669	1585	1735	1699	2115	1947	1898	2256	2414	3694	51	
February	1672	1649	1714	1764	2103	1968	1912	2469	2470	4501	50	
March	1714	1709	1731	1809	2146	1954	2194	2442	2508	5042	46	
Average	1661	1592	1726	1745	2057	2023	1975	2420	2437	3396	48	

TABLE - 27

PRICE OF DIFFERENT GRADES OF NATURAL RUBBER
(Average price in Rs per 100 kg in Kottayam market)

Month	RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBC-2X	LATEX (50% drc)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
April 1985	1698	1649	1627	1608	1584	1449	2525
May "	1819	1814	1766	1729	1696	1582	2606
June "	1846	1784	1748	1723	1674	1592	2726
July "	1878	1850	1790	1746	1715	1643	2756
August "	1918	1869	1805	1775	1725	1656	2814
September "	1935	1890	1839	1781	1701	1611	2757
October "	1945	1918	1823	1785	1718	1619	2593
November "	1857	1835	1797	1772	1682	1599	2532
December "	1886	1850	1745	1716	1660	1558	2572
January 1986	1883	1825	1756	1729	1686	1581	2613
February "	1847	1810	1736	1694	1682	1612	2533
March "	1845	1805	1744	1726	1717	1630	2544
Average	1862	1825	1765	1732	1685	1594	2631
April 1986	1815	1795	1771	1734	1723	1625	2565
May "	1905	1830	1765	1738	1714	1579	2550
June "	1813	1760	1748	1680	1650	1570	2645
July "	1790	1730	1705	1669	1584	1542	2560
August "	1795	1742	1722	1686	1591	1524	2470
September "	1732	1702	1652	1605	1532	1463	2309
October "	1713	1684	1645	1584	1517	1436	2281
November "	1719	1680	1648	1591	1519	1396	2245
December "	1701	1680	1639	1598	1529	1345	2100
January 1987	1705	1675	1655	1633	1594	1275	2192
February "	1784	1762	1729	1675	1654	1304	2377
March "	1833	1810	1768	1729	1710	1393	2377
Average	1775	1738	1704	1660	1610	1440	2367

TABLE-27(Contn.)

Month	RMA 1 (9)	RMA 2 (10)	RMA 3 (11)	RMA 4 (12)	RMA 5 (13)	EBC-2X (14)	LATEX (60% drc) (15)	ISNR-20 (16)
April 1987	1885	1865	1840	1816	1802	1403	2349	
May "	1930	1910	1885	1847	1797	1535	2680	
June "	1900	1875	1857	1821	1725	1520	2612	
July "	1935	1915	1900	1860	1799	1584	2665	
August "	1910	1890	1870	1816	1730	1550	2623	
September "	1860	1825	1790	1750	1705	1543	2534	
October "	1870	1830	1800	1753	1697	1555	2496	
November "	1910	1860	1795	1746	1643	1500	2594	
December "	1920	1875	1800	1743	1685	1430	2556	
January 1988	1860	1805	1845	1788	1754	1500	2631	
February "	1930	1885	1820	1778	1735	1475	2745	
March "	1925	1872	1805	1768	1746	1460	2780	
Average	1911	1875	1834	1791	1735	1503	2605	
April 1988	1900	1840	1800	1762	1735	1460	2872	1739
May "	1900	1845	1800	1776	1750	1475	2893	1751
June "	1895	1842	1800	1786	1725	1485	2900	1736
July "	1930	1885	1850	1828	1755	1510	3000	1762
August "	1990	1940	1920	1894	1826	1545	3025	1821
September "	2006	1972	1939	1904	1862	1590	3160	1880
October "	1980	1958	1925	1902	1856	1593	3315	1880
November "	1903	1868	1827	1792	1899	1510	3320	1747
December "	1885	1845	1791	1757	1874	1492	3211	1720
January 1989	1873	1833	1781	1755	1699	1465	3232	1746
February "	1868	1834	1809	1789	1764	1490	3239	1806
March "	1889	1875	1855	1834	1809	1545	3207	1860
Average	1919	1878	1841	1815	1763	1513	3114	1787

TABLE -27 (Contn.)

Month	RMA 1 (17)	RMA 2 (18)	RMA 3 (19)	RMA 4 (20)	RMA 5 (21)	EBC-2X (22)	LATEX (60% drc) (23)	ISNR-20 (24)
April 1989	1920	1804	1884	1858	1839	1570	3056	1885
May "	2150	2095	2050	2020	1878	1655	3079	2019
June "	2402	2349	2319	2284	2233	1922	3061	2265
July "	2658	2620	2575	2538	2410	2221	3551	2450
August "	2632	2599	2545	2509	2309	2199	3633	2330
September "	2085	2065	2055	2047	1942	1850	3211	1895
October "	2050	1875	1920	1902	1844	1795	3008	1912
November "	2131	2044	1982	1933	1823	1753	3005	1885
December "	2190	2125	2048	2007	1943	1804	2968	2015
January 1990	2308	2258	2234	2163	2115	1969	3113	2155
February "	2308	2265	2212	2135	2103	1988	3129	2117
March "	2334	2297	2246	2175	2146	2017	3181	2125
Average	2264	2216	2173	2131	2057	1904	3166	2096
April 1990	2356	2301	2264	2213	2170	2048	3281	2165
May "	2375	2328	2300	2268	2195	2143	3466	2180
June "	2575	2535	2515	2408	2349	2296	4176	2319
July "	2428	2360	2338	2282	2133	2195	4412	2220
August "	2200	2150	2078	2027	1880	1913	4456	1915
September "	2267	2217	2155	2104	2013	1945	4431	1900
October "	2210	2138	2070	2025	1938	1870	4689	1893
November "	2103	2057	2030	1980	1920	1771	4747	1895
December "	2119	2066	2031	1981	1916	1730	4471	1925
January 1991	2190	2142	2108	2047	1988	1729	4191	1960
February "	2242	2207	2146	2096	2024	1773	4085	1972
March "	2245	2204	2143	2114	2027	1799	4120	1985
Average	2276	2225	2182	2129	2046	1934	4210	2027

TABLE -27(Contn.)

Month	RMA 1 (25)	RMA 2 (26)	RMA 3 (27)	RMA 4 (28)	RMA 5 (29)	EBC-2X (30)	LATEX (60% drc) (31)	ISNR-20 (32)
April 1991	2247	2203	2154	2113	2042	1826	4183	1980
May "	2206	2181	2145	2115	2075	1804	4147	2015
June "	2213	2163	2136	2115	2061	1841	4227	2030
July "	2318	2273	2227	2166	2079	1849	4335	2005
August "	2431	2384	2335	2285	2188	1853	4329	2020
September "	2363	2305	2239	2174	2107	1810	3994	2002
October "	2310	2250	2173	2115	2015	1700	3825	1925
November "	2300	2240	2143	2112	2037	1650	3316	1910
December "	2209	2158	2103	2083	2040	1639	3053	1930
January 1992	2220	2142	2097	2075	2040	1603	2993	1957
February "	2211	2161	2099	2069	2040	1605	3052	1950
March "	2384	2341	2300	2268	2245	1706	2996	2139
Average	2285	2235	2179	2141	2081	1741	3688	1989
April 1992	2472	2441	2415	2397	2333	1953	3201	2354
May "	2642	2585	2525	2470	2453	2033	4167	2423
June "	2840	2778	2723	2680	--	2254	4447	2628
July "	2691	2660	2598	2542	2453	2155	4075	2464
August "	2704	2671	2618	2577	2479	2159	3642	2510
September "	2827	2849	2813	2764	2589	2184	3526	2576
October "	2988	2906	2855	2793	2639	2212	4104	2648
November "	2856	2754	2710	2683	2403	2090	4271	2458
December "	2635	2585	2451	2332	2233	1967	4312	2278
January 1993	2624	2538	2410	2363	2238	2007	4332	2320
February "	2735	2668	2613	2562	2508	2255	4530	2466
March "	2750	2668	2656	2634	2488	2178	4540	2466
Average	2739	2676	2616	2550	2446	2121	4096	2468

TABLE -27(Contn.)

Month	RMA 1 (33)	RMA 2 (34)	RMA 3 (35)	RMA 4 (36)	RMA 5 (37)	EBC-2X (38)	LATEX (60% drc) (39)	ISNR-20 (40)
April 1983	2764	2686	2608	2552	2514	2220	4340	2485
May "	2831	2731	2664	2606	2564	2276	4340	2522
June "	2970	2885	2800	2737	2688	2346	4664	2647
July "	2806	2813	2738	2681	2606	2365	4581	2596
August	2894	2794	2733	2688	2593	2380	4459	2568
September "	2795	2695	2625	2564	2448	2319	4470	2437
October "	2643	2543	2468	2390	2327	2175	4466	2342
November "	2655	2555	2479	2412	2308	2095	4397	2239
December "	2725	2625	2550	2484	2349	2103	4304	2331
January 1984	2765	2665	2593	2546	2454	2201	4314	2416
February "	2838	2738	2688	2593	2553	2310	4398	2542
March "	2844	2744	2694	2599	2545	2247	4349	2540
Average	2803	2706	2637	2569	2496	2253	4423	2472
April 1984	2855	2755	2705	2621	2577	2253	4240	2550
May "	2967	2838	2775	2749	2674	2358	4365	2661
June "	3115	3050	2940	2851	2751	2442	4440	2729
July "	3175	3095	NT	3014	2948	2577	4376	2871
August	3590	3600	3793	3559	3289	2752	4469	3074
September "	4508	4363	4300	4148	3888	2810	4555	3474
October "	3831	3550	3475	3548	3411	2883	5100	3489
November "	3651	3405	3228	3219	3172	2902	4922	3127
December "	4275	4175	4075	3841	3768	3213	5000	3515
January 1985	4688	4600	4467	4273	4088	3801	5880	3913
February "	5104	5040	4777	4637	4545	4274	6333	4680
March "	5486	5474	5297	5195	5091	4871	7143	5087
Average	3968	3845	3803	3638	3517	3093	5061	3431

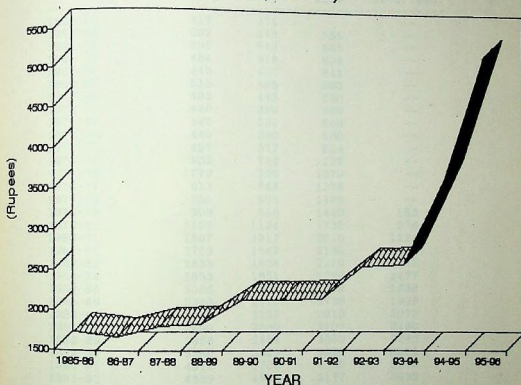
TABLE -27(Contn.)

Month	RSS 1 (41)	RSS 2 (42)	RSS 3 (43)	RSS 4 (44)	RSS 5 (45)	EEC-2X (46)	LATEX (60% drc) (47)	ISNR-20 (48)
April 1995	5803	5650	5605	5441	5415	5269	7690	5477
May "	6633	NT	NT	6047	5966	5683	8420	5889
June "	6674	NT	NT	6171	5797	5677	9197	5801
July "	5768	NT	NT	5231	5065	4974	8293	4960
August "	4921	NT	NT	4295	4116	3815	6558	3758
September "	4800	4500	4225	4197	4121	3681	6476	3939
October "	5354	NT	NT	4694	4350	3934	7550	4110
November "	5493	5350	NT	4925	4461	4146	8038	4176
December "	6082	NT	NT	5586	5390	4852	8902	5140
January 1996	6171	5880	5800	5588	5347	5063	8456	5350
February "	5788	5500	5400	5249	5148	4846	7509	5123
March "	5613	5500	5300	5006	4948	4775	7090	
Average	5758	5397	5266	5204	5010	4726	7848	

Note: RMA-1X, RMA-1, RMA-2, RMA-3, RMA-4 and RMA-5 are changed to RSS-1X, RSS-1, RSS-2, RSS-3, RSS-4 and RSS-5 respectively vide Gazette Notification No.G.S.R.561(E) dated 5th July 1994, issued by Ministry of Commerce, Govt. of India.

NT - No Transaction

Chart No.5
PRICE OF INDIGENOUS RSS-4 GRADE
 (In Kottayam Market)



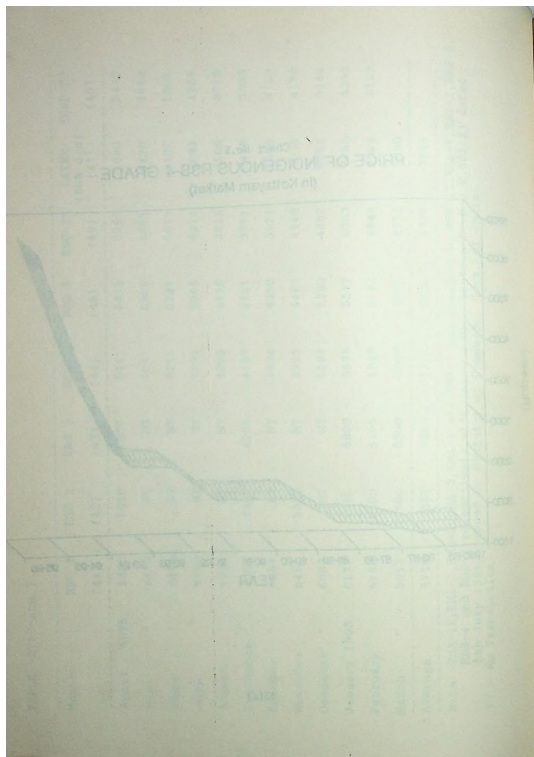


TABLE - 28

AVERAGE PRICE OF INDIGENOUS SYNTHETIC RUBBER
(Rs. per 100 kg)

Year	Styrene butadiene (Ex-Bareilly price)		Poly butadiene (Ex-Baroda Price)	
	1500/1502	1712	1958	1203/1220
1963-64	417	371		--
1964-65	382	343	565	--
1965-66	385	340	565	--
1966-67	424	379	604	--
1967-68	445	400	641	--
1968-69	515	465	680	--
1969-70	493	443	680	--
1970-71	440	390	680	--
1971-72	440	390	680	--
1972-73	440	390	680	--
1973-74	427	377	614	--
1974-75	902	732	1226	--
1975-76	779	720	1370	--
1976-77	813	763	1378	--
1977-78	855	805	1420	--
1978-79	909	858	1440	853
1979-80	1222	1134	1732	976
1980-81	1507	1317	2019	1224
1981-82	1729	1542	2130	1414
1982-83	1833	1634	2210	1477
1983-84	1853	1651	2226	1477
1984-85	2086	1808	2382	1698
1985-86	2350	2110	2736	1928
1986-87	2517	2285	2915	2072
1987-88	2600	2380	3107	2180
1988-89	2886	2654	3368	2246
1989-90	3280	2820	3690	2505
1990-91	4010	3700	4340	2903
1991-92	4899	4536	5177	3632
1992-93	5184	4824	5463	4000
1993-94	5181	4770	5389	4200
1994-95	4764	4269	5494	4193

Note: The prices are exclusive of excise duty & other taxes.

Source: M/s. Synthetics & Chemicals Ltd &
Indian Petro Chemicals Corporation Ltd.

TABLE - 29

DISTRIBUTION OF MANUFACTURERS ACCORDING TO THEIR TOTAL CONSUMPTION OF RUBBER

Consumption Group	1970-71						1975-76					
	CONSUMPTION						CONSUMPTION					
	No. of Manufacturers (1)	Natural (2)	Synthetic (3)	Reclaimed (4)	Total (5)	No. of Manufacturers (6)	Natural (7)	Synthetic (8)	Reclaimed (9)	Total (10)	No. of Manufacturers (11)	Total (12)
	847	2168	445	173	2786	1097	5133	671	486	6290		
	280	5682	1210	415	7487	503	12127	1819	1030	14976		
	62	3407	1173	399	4979	135	9178	1597	628	11403		
	68	9577	3270	1666	14513	84	13425	3646	2168	18239		
	13	6138	1802	1953	9893	10	4830	824	1450	7104		
	11	60085	25260	9742	95087	15	80999	23895	13560	118474		
Total	1281	87237	33160	14348	134745	1844	125692	32452	19342	177486		
1980-81												
Consumption Group	CONSUMPTION						CONSUMPTION					
	No. of Manufacturers (1)	Natural (2)	Synthetic (3)	Reclaimed (4)	Total (5)	No. of Manufacturers (6)	Natural (7)	Synthetic (8)	Reclaimed (9)	Total (10)	No. of Manufacturers (11)	Total (12)
	1696	4202	597	496	5295	1955	7951	1356	774	10081		
	817	17016	2831	2116	21963	1318	25805	4108	3792	33705		
	159	9944	2901	2431	15278	241	14356	4951	3030	22337		
	112	17783	5834	3830	27447	201	32821	13340	5157	51318		
	18	9674	2731	1771	14176	21	8263	4106	3203	15572		
	24	115011	32156	16206	163373	33	148244	42174	22259	212877		
Total	2826	173630	47050	26850	247530	3769	237440	70035	38215	345690		

Note:-Regarding Consumption Group, see page 56.

TABLE - 29 (Contn.)

Consumption Group	1989-90					1990-91				
	CONSUMPTION					CONSUMPTION				
	No. of Manuf- ctur- ers (22)	Nat- ural (23)	Synt- hetic (24)	Recla- imed (25)	Total (26)	No. of Manuf- ctur- ers (27)	Nat- ural (28)	Synt- hetic (29)	Recla- imed (30)	Total (31)
A	2568	8107	2312	1110	11529	2886	11023	3199	1625	15847
B	1614	35104	4587	3878	43569	1639	38447	11043	5724	55214
C	349	20542	4963	3409	28914	335	19062	5810	3503	28375
D	269	44196	14495	4595	63286	291	56490	18640	10570	85700
E	36	18315	4834	3180	26329	34	18892	4731	1840	25463
F	45	215576	62359	27763	305698	43	220396	61312	29238	310946
Total	4881	341840	93550	43935	479325	5028	364310	104735	52500	521545

Consumption Group	1991-92					1992-93				
	CONSUMPTION					CONSUMPTION				
	No. of Manuf- ctur- ers (32)	Nat- ural (33)	Synt- hetic (34)	Recla- imed (35)	Total (36)	No. of Manuf- ctur- ers (37)	Nat- ural (38)	Synt- hetic (39)	Recla- imed (40)	Total (41)
A	2549	11208	2801	2039	15846	2483	11147	2303	2056	15506
B	1936	42177	9694	6597	58568	1988	45288	8585	6795	60668
C	412	23313	6959	4682	34954	463	25177	6482	5752	40411
D	273	48163	20993	13326	82482	295	49343	20292	18102	87577
E	40	22428	5365	2758	30551	35	21477	5418	2773	29668
F	39	232863	60038	24513	317414	38	258673	65670	26992	351335
Total	5249	380150	105650	54015	539815	5302	414105	108890	82470	585265

TABLE - 29(Conta.)

Consumption Group	1993-94						1994-95					
	CONSUMPTION			CONSUMPTION			CONSUMPTION			CONSUMPTION		
	No. of Manuf- ctur- ers (42)	Nat- ural (43)	Synt- hetic (44)	Recla- imed (45)	Total (46)	No. of Manuf- ctur- ers (47)	Nat- ural (48)	Synt- hetic (49)	Recla- imed (50)	Total (51)		
A	2340	12870	2374	1739	16983	2280	10489	2151	1468	14108		
B	2026	45384	8679	6593	60656	2155	45569	8474	6773	60816		
C	468	29091	6664	5488	41243	480	30269	5939	5608	41816		
D	420	60373	20504	19139	100016	418	62427	21910	19636	103973		
E	48	27591	5350	3384	36325	49	27564	4695	3484	35743		
F	44	275171	69824	26767	371762	46	309532	79541	27686	416759		
Total	5346	450480	113395	63110	626985	5408	485850	122710	64655	673215		

Note:- A 10 tonnes and below, B above 10 tonnes and upto and including 50, C above 50 tonnes and upto and including 100, D above 100 tonnes and upto and including 500, E above 500 tonnes and upto and including 1000, F above 1000 tonnes.

Chart No.6
NUMBER OF RUBBER GOODS MANUFACTURERS

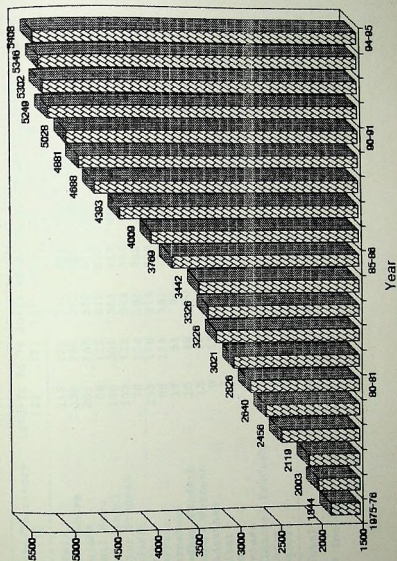


TABLE - 30

NUMBER OF LICENSED MANUFACTURERS IN DIFFERENT STATES AT THE END OF EACH YEAR

State/Territory	1970-71	75-76	80-81	85-86	90-91	91-92	92-93	93-94	94-95
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Kerala	119	221	391	599	816	893	909	891	880
Maharashtra	230	280	373	468	569	581	585	592	612
Punjab*	201	183	339	371	536	543	583	573	583
Tamil Nadu	64	111	212	326	491	524	549	561	546
West Bengal	198	301	351	413	494	501	498	516	518
Uttar Pradesh	103	163	249	352	504	502	492	485	473
Gujarat	78	134	191	262	304	337	344	361	404
Delhi	153	178	274	328	377	366	370	360	372
Haryana	65	114	181	213	252	262	247	265	282
Karnataka	17	51	90	162	221	237	241	249	245
Andhra Pradesh	15	42	80	107	158	192	177	172	170
Madhya Pradesh	15	15	24	46	85	81	94	98	84
Rajasthan	9	16	19	44	66	73	82	86	92
Bihar	7	25	29	30	47	45	41	40	40
Goa	1	5	6	12	24	23	24	19	17
Orissa	2	2	10	17	19	18	16	17	16
Himachal Pradesh	2	2	3	9	12	12	12	11	14
Assam	4	2	2	3	3	5	5	3	4
Others	1	2	2	9	48	57	33	47	56
Total	1281	1844	2826	3769	5028	5249	5302	5346	5408

* includes Chandigarh also.

PRODUCTION OF TYRES
('000 nos.)

Year	CATEGORY											Indus- trial
	Truck & Bus	Tractor	Cars	Jeeps & Lcv	Motor Cycles	Scooter	Moped	A.D.V	OTR	Aero	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1981	3120	685	979	699	680	1720	3	402	12	16	--	8316
1982	3530	686	988	802	668	1668	232	464	12	21	--	9073
1983	3630	778	1073	823	703	1752	293	490	16	17	--	9575
1984	3582	906	1334	1019	822	2018	371	429	15	14	8	10518
1985	3607	894	1536	986	1039	2203	679	411	15	12	12	11394
1986	3869	951	1479	962	1405	3117	757	472	13	15	22	13082
1987	4004	1101	1637	1007	1743	3685	934	522	13	15	19	14680
1988	4875	1314	1952	1295	2086	4187	1210	620	20	18	18	17595
1989	5087	1443	2260	1406	2080	4560	1372	816	29	11	14	19178
1990	5160	1523	2477	1517	2328	4994	1410	883	30	15	8	20345
1991	5379	1398	2193	1244	1786	4475	622*	589	31	8	15	17740
1992	6060	1569	2214	1441	1871	4473	1072	547	39	8	29	19323
1993	6540	1770	2810	1610	2590	5030	700	580	40	10	70	21760
1994	7029	1939	3084	1840	2910	6269	584	576	38	17	81	24367

*: Include only two companies
Source : Automotive Tyre Manufacturers Association, New Delhi.

TABLE-32

PRODUCTION OF TUBES

Year	Automobile tubes('000 nos)						
	Giant	Motor car	Motor cycle & scooter/moped	Tractor	A.D.V	Aero	Off-the road
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	(9)						
1981	3549	1150	1741	590	344	2	9
1982	3618	1202	1823	502	385	2	9
1983	3548	1353	1862	559	337	1	6
1984	3996	1646	2063	671	383	1	8
1985	3823	1724	2723	676	314	2	10
1986	3270	1555	2718	613	269	3	10
1987	3752	1734	3000	911c	--	--	14d
1988	4896	2461	4211	874c	--	--	15d
1989	5197	2815	4206	1210c	--	--	20d
1990	4954	2772	4167	1218c	--	NA	NA
1991	4543	2387	4105	1343c	--	NA	NA
1992	4530	2443	4488	1626c	--	NA	NA
1993p	4740	2966	7546	1189c	--	NA	NA
1994p	6087	3507	6294	1134c	--	NA	NA

Source: Directorate General of Technical Development upto 1988

and 'Rubber India' from 1989 onwards.

c: Includes A.D.V. tubes also.

TABLE-33

PRODUCTION OF VEHICLES
(In numbers)

Year	Commercial vehicles	Tractors	Cars	Jeeps	Motor Cycles	Scooters	Three Whealers	Mopeds	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1980-81	74174	70308	31275	15887	104223	212039	28930	124048	858882
1981-82	93385	82360	42475	17867	115304	223550	25801	207222	807944
1982-83	87758	82597	43558	20234	135810	264540	31881	232115	878493
1983-84	90069	74218	46901	21681	163290	278433	38575	339881	1051046
1984-85	96004	81821	76090	23208	187147	314748	43508	396053	1218579
1985-86	100452	73456	102804	27961	267107	461860	49947	461950	1545537
1986-87	99153	79073	125866	28784	302520	642038	54566	449688	1781888
1987-88	110100	88597	151875	32036	335679	589734	61112	511699	1880832
1988-89	116447	107183	165798	35754	428017	725305	79381	482001	2140866
1989-90	125051	117690	178278	44309	417401	874982	83752	438293	2261766
1990-91	144591	138538	181821	37369	470339	910315	89162	440092	2412227
1991-92	143171	148123	186389	31530	430786	768420	78750	406804	2171973
1992-93	128111	147927	163302	39176	384080	705870	65484	413353	2047283
1993-94	141476	137608	207658	49838	461955	833083	91524	460451	2383591
1994-95	194847	163055	273707	49325	647521	1031511	128228	515387	3003581

Source: Automotive Component Manufacturer's Association
of India, New Delhi.

TABLE-34

REGISTERED MOTOR VEHICLES IN INDIA
(Qty. in '000 nos.)

Year	Two wheelers	Cars, Jeeps & taxis	Buses	Trucks	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1975	946	766	114	335	311	2472
1976	1057	779	115	351	398	2700
1977	1415	878	119	383	465	3260
1978	1618	919	124	403	550	3614
1979	1888	996	133	444	598	4059
1980	2117	1059	140	478	732	4528
1981	2618	1160	162	554	897	5391
1982	3065	1243	173	613	961	6055
1983	3654	1385	185	675	1074	6973
1984	4351	1455	199	742	1202	7949
1985	5179	1607	223	822	1339	9170
1986	6245	1780	227	863	1462	10577
1987	7739	2007	245	984	1643	12618
1988	9300	2295	269	1114	1840	14818
1989	10965	2486	278	1179	2012	16920
1990	12611	2694	298	1238	2311	19152
1991	14200	2954	331	1356	2533	21374
1992	15661	3205	358	1514	2769	23507
1993	17026	3330	381	1599	2963	25299
1994e	17936	3446	390	1791	2901	26464
1995e	18166	3630	412	1901	3120	27229

e - estimated

Source: Motor Transport Statistics of India,
Ministry of Surface Transport.

TABLE-35

CONSUMPTION OF ALL KINDS OF RUBBER ACCORDING TO END PRODUCTS
(Tonnes)

Products (1)	1975-76				1980-81			
	NR (2)	SR (3)	RR (4)	Total (5)	NR (6)	SR (7)	RR (8)	Total (9)
1. Automobile tyres & tubes*	62115	17451	4887	84453	87295	26598	6061	119954
2. Cycle tyres & tubes}	15979	3056	5414	24449	20664	5346	7860	33870
3. Camel back	5545	2303	682	8530	9130	2484	2005	13619
4. Footwears	12387	4535	2155	19077	17800	6051	3214	27065
5. Belts and hoses	8943	1194	1342	11479	11812	2034	1885	15731
6. Latex foam	2033	--	--	2033	5753	--	--	5753
7. Cables and wires	590	300	18	908	779	435	136	1350
8. Battery boxes	280	561	2275	3116	485	778	3220	4483
9. Dipped goods	3478	--	--	3478	4945	--	--	4945
10. Others	14342	3052	2569	19963	14967	3324	2469	20760
Total	125692	32452	19342	177486	173630	47050	26850	247530

* Includes Tractor, Aero, ADV and Off-the-road.

TABLE - 35 (Contn.)

Products	1985-86				1990-91			
	NR (10)	SR (11)	RR (12)	Total (13)	NR (14)	SR (15)	RR (16)	Total (17)
1. Automobile tyres & tubes*	114031	36007	7381	157419	161578	52935	7607	222120
2. Cycle tyres }	29915	9220	9972	49107	50180	10929	16344	77453
3. Camel back }	15047	4142	2943	22132	25440	5414	3498	34352
4. Footwears	24194	9645	5245	39084	37574	19251	6819	63644
5. Belts and hoses	15870	4372	2856	23098	25583	7194	3610	36387
6. Latex foam	11396	--	--	11396	19598	--	--	19598
7. Cables and wires	1004	708	259	1971	1252	1154	590	2996
8. Battery boxes	890	1128	5720	7738	1265	2038	8235	11538
9. Dipped goods	9050	--	--	9050	15578	--	--	15578
10. Others	16043	4813	3839	24695	26262	5820	5797	37879
Total	237440	70035	38215	345690	364310	104735	52500	521545

TABLE - 35(Contn.)

Products	1991-92				1992-93			
	NR (18)	SR (19)	RR (20)	Total (21)	NR (22)	SR (23)	RR (24)	Total (25)
1. Automobile tyres } & tubes* }	165790	52679	7738	226207	186404	59198	8021	253623
2. Cycle tyres } & tubes }	52639	10875	17545	81059	56413	10149	20678	87240
3. Camel back	26747	5320	3450	35517	27157	5154	3786	36097
4. Footwears	39904	20550	6750	67204	42972	18734	8115	69821
5. Belts and hoses	27119	7250	3660	38029	28522	6558	4294	39374
6. Latex foam	20750	--	--	20750	22350	--	--	22350
7. Cables and wires	1120	1055	570	2745	1073	1087	663	2823
8. Battery boxes	1260	2010	8452	11722	1295	2080	10065	13440
9. Dipped goods	17067	--	--	17067	18750	--	--	18750
10. Others	27754	5911	5850	39515	29169	5730	6848	41747
Total	380150	105650	54015	539815	414105	108690	62470	585265

Chart No.7
CONSUMPTION ACCORDING TO END PRODUCTS
 (NATURAL RUBBER-1994-95)

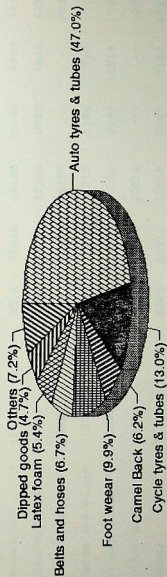


TABLE - 35(Contn.)

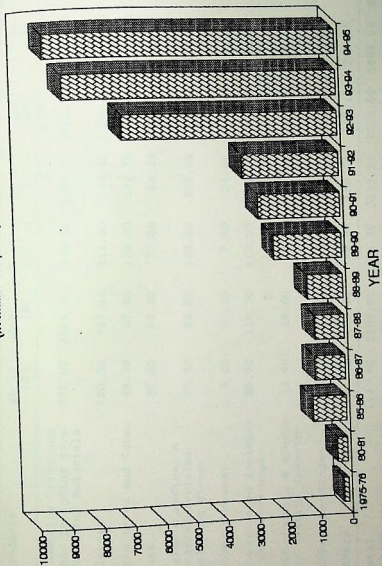
Products	1993-94				1994-95			
	NR (26)	SR (27)	RR (28)	Total (29)	NR (30)	SR (31)	RR (32)	Total (33)
1. Automobile tyres & tubes*	199764	60250	8182	268196	228219	68490	8725	305434
2. Cycle tyres & tubes }	61565	10409	20845	92819	62999	10525	21112	94636
3. Camel back	29398	5598	3824	38820	29988	5948	3915	39851
4. Footwears	46728	21608	8204	76540	48180	22009	8396	78585
5. Belts and hoses	31185	6485	4335	42005	32324	6622	4413	43359
6. Latex foam	25226	--	--	25226	26237	--	--	26237
7. Cables and wires	1175	1187	680	3042	1210	1196	717	3123
8. Battery boxes	1390	2161	10135	13686	1560	2193	10214	13967
9. Dipped goods	22339	--	--	22339	22814	--	--	22814
10. Others	31710	5697	6905	44312	32319	5727	7163	45209
Total	450480	113395	63110	626985	485850	122710	64655	673215

TABLE-36

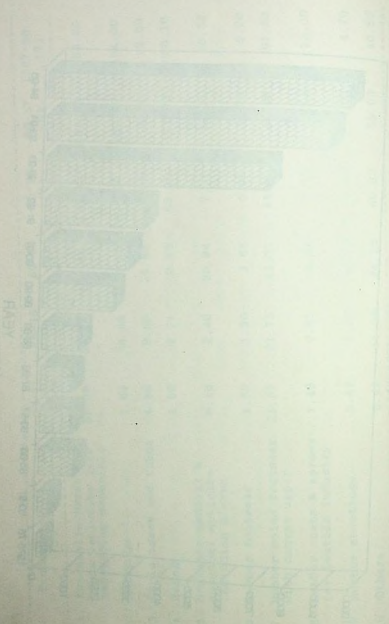
VALUE OF RUBBER PRODUCTS EXPORTED
(Value in million Rs.)

Products (1)	70-71 (2)	75-76 (3)	80-81 (4)	85-86 (5)	86-87 (6)	1987-88 (7)
1. Automobile tyres and tubes including tyre retreading materials	55.38	85.15	131.53	470.00	595.00	583.00
2. Beltings	1.64	8.88	42.80	395.00	200.00	154.00
3. Cycle tyres and tubes	4.36	9.89	25.88	10.00	6.30	19.00
4. Hoses	1.88	2.74	8.23	65.00	27.00	28.10
5. Hygienic, medical & surgical articles including gloves	6.18	2.40	20.94	7.07	20.01	26.30
6. Rubber footwear	1.59	1.36	3.66	5.00	5.70	6.20
7. Rubber-soled footwear with canvas upper	21.57	21.75	41.77	45.00	49.30	61.80
8. Rubber coats & aprons for textile industry	1.46	0.85	3.94	7.10	7.00	12.00
9. Rubber sheetings	0.47	0.80	0.63	5.00	5.00	4.70
10. Others	2.42	11.54	34.23	60.83	55.09	40.88
Total	96.96	145.33	313.60	1070.00	970.40	935.98

Chart No.8
VALUE OF RUBBER PRODUCTS EXPORTED
 (in Million Rupees)



DEMOGRAPHIC PROJECTIONS FOR THE YEAR 2000 (in millions of people)



Source: United Nations, Department of Economic and Social Affairs, Population Division, 1998.

TABLE-36(contn.)

Products	88-89 (8)	89-90 (9)	90-91 (10)	91-92 (11)	92-93 (12)	93-94 (13)	94-95 (14)
1. Automobile tyres and tubes including tyre retreading materials	763.00	1505.00	1826.00	2021.00	4955.20	6061.87	6801.90
2. Beltings	130.00	243.20	241.00	237.10	287.20	345.19	277.30
3. Cycle tyres and tubes	46.30	67.60	120.00	292.76	694.00	708.13	656.00
4. Hoses	30.00	52.80	77.00	54.39	57.80	68.12	68.50
5. Hygienic, medical & surgical articles including gloves	45.20	59.20	139.00	221.59	331.40	631.34	590.60
6. Rubber footwear	3.60	12.00	7.50	14.64	38.40	41.69	34.50
7. Rubber-soled footwear with canvas upper	65.00	116.30	112.00	99.57	156.90	176.84	151.90
8. Rubber coats & aprons for textile industry	13.40	16.60	11.00	47.60	63.50	34.03	47.60
9. Rubber sheetings	5.80	20.00	7.20	11.84	63.00	415.62	94.30
10. Others	41.30	60.00	89.80	133.44	365.10	379.25	706.90
Total	1143.60	2152.70	2630.50	3133.93	7022.50	8862.08	9429.50

Source : Chemicals and Allied Products Export Promotion Council

BLE-37

QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED
(Value in '000 Rs)

Products (1)	Unit (2)	1975-76		1980-81	
		Quantity (3)	Value (4)	Quantity (5)	Value (6)
TYRES					
Aircraft	Nos.	2252	3056	1167	4148
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	1589	812	1864	2370
Tractor and other OTR	"	9184	5537	2318	6350
Motor cycle	"	81	4	1	1
Solid Rubber Tyring	"	31	15	612	1359
Solid Rubber tyring(NES)	MT	422	7183	--	--
Others	Nos.	2849	702	16854	5583
Total			17309		19812
TUBES					
Aircraft	Nos.	4538	489	4	16
Cycle	"	--	--	30	3
Motor car, Truck and Bus	"	444	23	5	3
Tractor and other OTR	"	2239	385	365	107
Motor cycle	"	--	--	--	--
Others	"	2420	245	995	339
Total			1142		468
FLAPS	Nos.	17	8	5	2
HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	0.6	70	0.5	636
Others	Nos.	108	4	5521	507
BELTING					
Conveyor	Tonnes	1077	28580	212	10573
Others	"	53	2260	178	19268
TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	--	--	62329	8008
LATEX FOAM SPONGE	"	27000	738	22683	206
HOSES	"	230633	6851	124086	10438
EBONITE	"	1024	59	26128	933
0. OTHER VULCANISED SHEETS	MT.	37	1029	56817	2212
1. OTHER ARTICLES OF RUBBER		--	13075	--	96473
Grand Total			71125		169536

TABLE-37 (Contn.)

Products	Unit	1984-85		1986-87	
		Quantity (7)	Value (8)	Quantity (9)	Value (10)
1. TYRES					
Aircraft	Nos.	153	670	102	837
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	2207	4552	2610	16657
Tractor and other OTR	"	135	1831	307	6465
Motor cycle	"	1	1	--	--
Solid Rubber Tyring	"	--	--	25	375
Solid Rubber tyring(NES)	MT	19	660	230	8560
Others	Nos.	3386	4397	2917	8675
Total			12111		41569
2. TUBES					
Aircraft	Nos.	--	--	--	--
Cycle	"	--	--	--	--
Motor car, Truck and Bus	"	--	--	115	262
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	417	95	--	--
Total			95		262
3. FLAPS	Nos.	69	152	7	44
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	3	985	5	2980
Others	Kg.	108012	8648	71045	9659
5. BELTING					
Conveyor	Tonnes	162	70729	365	26743
Others	"	91	23444	970	78941
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	273778	24140	530316	43180
7. LATEX FOAM SPONGE	"	11577	879	35216	1045
8. ROSES	"	771843	74851	650151	69515
9. EBONITE	"	25663	1965	49618	1242
10. OTHER VULCANISED SHEETS	MT.	--	--	112	4525
11. OTHER ARTICLES OF RUBBER		--	195347	--	343789
Grand Total			413346		623494

BLE-37(Contn.)

Products	Unit	1988-89		1990-91	
		Quantity (11)	Value (12)	Quantity (13)	Value (14)
TYRES					
Aircraft	Nos.	730	9472	646	18766
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	3717	15619	6879	24522
Tractor and other OTR	"	257	7060	524	28941
Motor cycle	"	--	--	--	--
Solid Rubber Tyring	"	344	5016	--	--
Solid Rubber tyring(NES)	MT	--	--	--	--
Others	Nos.	9573	25854	3865	57248
Total			63021		129477
TUBES					
Aircraft	Nos.	--	--	7	14
Cycle	"	--	--	--	--
Motor car, Truck and Bus	"	750	35	8	11
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	347	247	696	364
Total			282		389
FLAPS					
HYGIENIC & PHARMACEUTICALS	Nos.	--	--	85	11
Contraceptives	million	105	61048	74	53463
Others	Kg.	68639	7743	14547	4606
BELTING					
Conveyor	Tonnes	229	36926	36	7566
Others	"	189	34212	235	71283
TEXTILE FABRICS COATED					
WITH RUBBER, LEATHER ETC.	Kg.	4971	1766	6903	1344
LATEX FOAM SPONGE	"	66	13	3820	472
HOSES	"	131080	46277	368069	66115
EBONITE	"	13039	2680	300	158
0. OTHER VULCANISED SHEETS	MT.	186156	17195	--	--
1. OTHER ARTICLES OF RUBBER		--	248430		129866
Grand Total			519593		992240

TABLE-37(Contn.)

Products	Unit	1991-92		1992-93	
		Quantity (15)	Value (16)	Quantity (17)	Value (18)
1. TYRES					
Aircraft	Nos.	168	3086	658	9252
Cycle	"	77324	3499	616876	37802
Motor car, Truck & Bus	"	17004	22126	2975	7606
Tractor and other OTR	"	795	42792	742	87953
Motor cycle	"	855	614	2017	1890
Solid Rubber Tyring	"	11	389	77	555
Solid Rubber tyring(NES)	MT	--	--	--	--
Others	Nos.	3059	79205	3859	181579
Total			151711		326637
2. TUBES					
Aircraft	Nos.	--	--	--	--
Cycle	"	2850	433	193650	4569
Motor car, Truck and Bus	"	--	--	171	56
Tractor and other OTR	"	--	--	8	19
Motor cycle	"	--	--	--	--
Others	"	12011	646	741	361
Total			1079		5005
3. FLAPS	Nos.	503	162	607	115
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	89	73564	74	61031
Others	Kg.	1420	1264	1040058	2461
5. BELTING					
Conveyor	Tonnes	1042	88129	159	33424
Others	"	236	85947	447	147212
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	11443	4248	4654	2473
7. LATEX FOAM SPONGE	"	321	66	8461	968
8. HOSES	"	396927	78993	690496	160218
9. EBONITE	"	8657	2444	37611	4854
10. OTHER VULCANISED SHEETS	MT.	1040	75491	902	60301
11. OTHER ARTICLES OF RUBBER		--	645637	--	648826
Grand Total			1208735		1453525

TABLE - 35(Contn.)

Products	1991-92				1992-93			
	NR (18)	SR (19)	RR (20)	Total (21)	NR (22)	SR (23)	RR (24)	Total (25)
1. Automobile tyres } & tubes* }	165790	52679	7738	226207	186404	59198	8021	253623
2. Cycle tyres } & tubes }	52639	10875	17545	81059	56413	10149	20678	87240
3. Camel back	26747	5320	3450	35517	27157	5154	3786	36097
4. Footwears	39904	20550	6750	67204	42972	18734	8115	69821
5. Belts and hoses	27119	7250	3660	38029	28522	6558	4294	39374
6. Latex foam	20750	--	--	20750	22350	--	--	22350
7. Cables and wires	1120	1055	570	2745	1073	1087	663	2823
8. Battery boxes	1260	2010	8452	11722	1295	2080	10065	13440
9. Dipped goods	17067	--	--	17067	18750	--	--	18750
10. Others	27754	5911	5850	39515	29169	5730	6848	41747
Total	380150	105650	54015	539815	414105	108690	62470	585265

Chart No.7
CONSUMPTION ACCORDING TO END PRODUCTS
 (NATURAL RUBBER-1994-95)

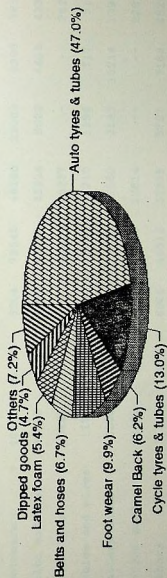


TABLE - 35 (Contn.)

Products	1993-94				1994-95			
	NR (26)	SR (27)	RR (28)	Total (29)	NR (30)	SR (31)	RR (32)	Total (33)
1. Automobile tyres & tubes**	199784	60250	8182	268196	228219	68490	8725	305434
2. Cycle tyres & tubes}	61565	10409	20845	92819	62999	10525	21112	94636
3. Camel back	29398	5598	3824	38820	29988	5948	3915	39851
4. Footwears	46728	21608	8204	76540	48180	22009	8396	78585
5. Belts and hoses	31185	6485	4335	42005	32324	6822	4413	43959
6. Latex foam	25226	--	--	25226	26237	--	--	26237
7. Cables and wires	1175	1187	680	3042	1210	1196	717	3123
8. Battery boxes	1390	2161	10135	13686	1560	2193	10214	13967
9. Dipped goods	22339	--	--	22339	22814	--	--	22814
10. Others	31710	5697	6905	44312	32319	5727	7163	45209
Total	450480	113395	63110	626985	485850	122710	64655	673215

TABLE-36

VALUE OF RUBBER PRODUCTS EXPORTED
(Value in million Rs.)

Products (1)	70-71 (2)	75-76 (3)	80-81 (4)	85-86 (5)	86-87 (6)	1987-88 (7)
1. Automobile tyres and tubes including tyre retreading materials	55.38	85.15	131.53	470.00	595.00	563.00
2. Beltings	1.64	8.88	42.80	395.00	200.00	154.00
3. Cycle tyres and tubes	4.36	9.89	25.88	10.00	6.30	19.00
4. Hoses	1.88	2.74	8.23	65.00	27.00	28.10
5. Hygienic, medical & surgical articles including gloves	6.18	2.40	20.94	7.07	20.01	26.30
6. Rubber footwear	1.59	1.36	3.66	5.00	5.70	6.20
7. Rubber-soled footwear with canvas upper	21.57	21.75	41.77	45.00	49.30	61.80
8. Rubber coats & aprons for textile industry	1.46	0.85	3.94	7.10	7.00	12.00
9. Rubber sheetings	0.47	0.80	0.63	5.00	5.00	4.70
10. Others	2.42	11.54	34.23	60.83	55.09	40.88
Total	96.96	145.33	313.60	1070.00	970.40	935.98

Chart No.8
VALUE OF RUBBER PRODUCTS EXPORTED
 (in Million Rupees)

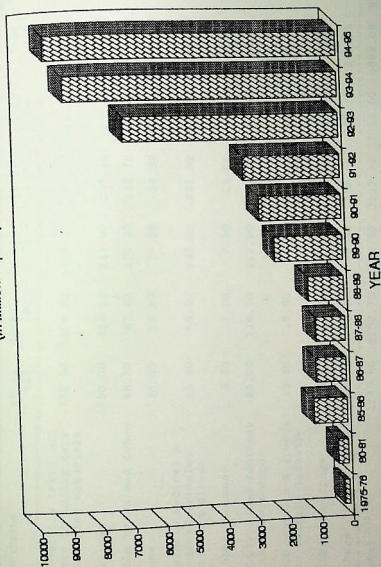


FIGURE 1. (continued)
 (continued from page 10)

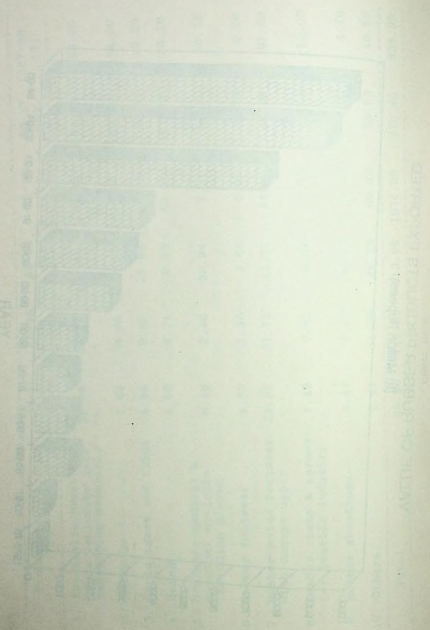


TABLE-36(contn.)

Products	88-89 (8)	89-90 (9)	90-91 (10)	91-92 (11)	92-93 (12)	93-94 (13)	94-95 (14)
1. Automobile tyres and tubes including tyre retreading materials	763.00	1505.00	1826.00	2021.00	4955.20	6061.87	6801.90
2. Beltings	130.00	243.20	241.00	237.10	237.20	345.19	277.30
3. Cycle tyres and tubes	46.30	67.60	120.00	292.76	694.00	708.13	656.00
4. Hoses	30.00	52.80	77.00	54.39	57.80	68.12	68.50
5. Hygienic, medical & surgical articles including gloves	45.20	59.20	139.00	221.59	331.40	631.34	590.60
6. Rubber footwear	3.60	12.00	7.50	14.64	38.40	41.69	34.50
7. Rubber-soled footwear with canvas upper	85.00	116.30	112.00	99.57	156.90	176.84	151.90
8. Rubber coats & aprons for textile industry	13.40	16.60	11.00	47.60	63.50	34.03	47.60
9. Rubber sheetings	5.80	20.00	7.20	11.84	63.00	415.62	94.30
10. Others	41.30	60.00	89.80	139.44	365.10	379.25	706.90
Total	1143.60	2152.70	2630.50	3133.93	7022.50	8662.08	9429.50

Source : Chemicals and Allied Products Export Promotion Council

BLE-37

QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED
(Value in '000 Rs)

Products (1)	Unit (2)	1975-76		1980-81	
		Quantity (3)	Value (4)	Quantity (5)	Value (6)
TYRES					
Aircraft	Nos.	2252	3056	1167	4149
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	1589	812	1864	2370
Tractor and other OTR	"	9184	5537	2318	6350
Motor cycle	"	81	4	1	1
Solid Rubber Tyring	"	31	15	612	1359
Solid Rubber tyring(NES)	MT	422	7183	--	--
Others	Nos.	2849	702	16854	5583
Total		17309		19812	
TUBES					
Aircraft	Nos.	4538	489	4	16
Cycle	"	--	--	30	3
Motor car, Truck and Bus	"	444	23	5	3
Tractor and other OTR	"	2239	385	365	107
Motor cycle	"	--	--	--	--
Others	"	2420	245	995	339
Total		1142		468	
FLAPS					
	Nos.	17	8	5	2
HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	0.6	70	0.5	636
Others	Nos.	108	4	5521	507
BELTING					
Conveyor	Tonnes	1077	28580	212	10573
Others	"	53	2260	178	19268
TEXTILE FABRICS COATED					
WITH RUBBER, LEATHER ETC.	Kg.	--	--	62329	8008
LATEX FOAM SPONGE	"	27000	738	22683	206
HOSES	"	230633	6851	124086	10438
EBONITE	"	1024	59	26128	933
0. OTHER VULCANISED SHEETS	MT.	37	1029	56817	2212
1. OTHER ARTICLES OF RUBBER		--	13075	--	96473
Grand Total		71125		169536	

TABLE-37(Contn.)

Products	Unit	1984-85		1986-87	
		Quantity (7)	Value (8)	Quantity (9)	Value (10)
1. TYRES					
Aircraft	Nos.	153	670	102	837
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	2207	4552	2610	16657
Tractor and other OTR	"	135	1831	307	6465
Motor cycle	"	1	1	--	--
Solid Rubber Tyring	"	--	--	25	375
Solid Rubber tyring(NES)	MT	19	660	230	8560
Others	Nos.	3386	4397	2917	8675
Total			12111		41569
2. TUBES					
Aircraft	Nos.	--	--	--	--
Cycle	"	--	--	--	--
Motor car, Truck and Bus	"	--	--	115	262
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	417	95	--	--
Total			95		262
3. FLAPS	Nos.	69	152	7	44
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	3	985	5	2980
Others	Kg.	108012	8648	71045	9659
5. BELTING					
Conveyor	Tonnes	162	70729	365	26743
Others	"	91	23444	970	78941
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	273778	24140	530316	43180
7. LATEX FOAM SPONGE	"	11577	879	35216	1045
8. HOSES	"	771843	74851	650151	69515
9. EBONITE	"	25663	1965	49618	1242
10. OTHER VULCANISED SHEETS	MT.	--	--	112	4525
11. OTHER ARTICLES OF RUBBER		--	195347	--	343789
Grand Total			413346		623494

BLE-37(Contn.)

Products	Unit	1988-89		1990-91	
		Quantity (11)	Value (12)	Quantity (13)	Value (14)

TYRES					
Aircraft	Nos.	730	9472	646	18766
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	3717	15619	6879	24522
Tractor and other OTR	"	257	7060	524	28941
Motor cycle	"	--	--	--	--
Solid Rubber Tyring	"	344	5016	--	--
Solid Rubber tyring(NES)	MT	--	--	--	--
Others	Nos.	9573	25854	3865	57248
Total		63021		129477	

TUBES					
Aircraft	Nos.	--	--	7	14
Cycle	"	--	--	--	--
Motor car, Truck and Bus	"	750	35	8	11
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	347	247	696	364
Total		282		389	

FLAPS					
HYGIENIC & PHARMACEUTICALS	Nos.	--	--	85	11
Contraceptives	million	105	61048	74	53463
Others	Kg.	68639	7743	14547	4606
BELTING					
Conveyor	Tonnes	229	36926	36	7566
Others	"	189	34212	235	71283
TEXTILE FABRICS COATED					
WITH RUBBER, LEATHER ETC.	Kg.	4971	1766	6903	1344
LATEX FOAM SPONGE	"	66	13	3820	472
HOSES	"	131080	46277	368069	66115
EBONITE	"	13039	2680	300	158
0. OTHER VULCANISED SHEETS	MT.	186156	17195	--	--
1. OTHER ARTICLES OF RUBBER		--	248430		129866

Grand Total		519593		992240	

TABLE-37(Contn.)

Products	Unit	1991-92		1992-93	
		Quantity (15)	Value (16)	Quantity (17)	Value (18)
1. TYRES					
Aircraft	Nos.	168	3086	658	9252
Cycle	"	77324	3499	616876	37802
Motor car, Truck & Bus	"	17004	22126	2975	7606
Tractor and other OTR	"	795	42792	742	87953
Motor cycle	"	855	614	2017	1890
Solid Rubber Tyring	"	11	389	77	555
Solid Rubber tyring(NES)	MT	--	--	--	--
Others	Nos.	3059	79205	3859	181579
Total			151711		326637
2. TUBES					
Aircraft	Nos.	--	--	--	--
Cycle	"	2850	433	193650	4569
Motor car, Truck and Bus	"	--	--	171	56
Tractor and other OTR	"	--	--	8	19
Motor cycle	"	--	--	--	--
Others	"	12011	646	741	361
Total			1079		5005
3. FLAPS	Nos.	503	162	607	115
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	89	73564	74	61031
Others	Kg.	1420	1264	1040058	2461
5. BELTING					
Conveyor	Tonnes	1042	88129	159	33424
Others	"	236	85947	447	147212
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	11443	4248	4654	2473
7. LATEX FOAM SPONGE	"	321	66	8461	968
8. HOSES	"	396927	78993	690496	160218
9. EBONITE	"	8657	2444	37611	4854
10. OTHER VULCANISED SHEETS	MT.	1040	75491	902	60301
11. OTHER ARTICLES OF RUBBER		--	645637	--	648826
Grand Total			1208735		1453525

TABLE-37 (Contn.)

Products	Unit	1993-94		1994-95p	
		Quantity (19)	Value (20)	Quantity (21)	Value (22)
1. TYRES					
Aircraft	Nos.	798	9285	1638	22474
Cycle	"	593360	32760	236800	12385
Motor car, Truck & Bus	"	923	5474	37721	39750
Tractor and other OTR	"	1394	134634	1314	84402
Motor cycle	"	1511	1562	10487	3633
Solid Rubber Tyring	"	3136	11873	184	3418
Solid Rubber tyring(NES)	MT	--	--	--	--
Others	Nos.	2989	80781	11280	111877
Total			276369		277839
2. TUBES					
Aircraft	Nos.	--	--	55	85
Cycle	"	654306	12718	295547	6422
Motor car, Truck and Bus	"	400	196	39	11
Tractor and other OTR	"	644	708	12	7
Motor cycle	"	35	8	--	--
Others	"	612	686	1394	2429
Total			14316		8954
3. FLAPS	Nos.	774	536	230	135
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	million	60	47293	46	40657
Others	Kg.	70564	686	1710	11149
5. BELTING					
Conveyor	Tonnes	120	58047	255	47647
Others	"	355	131912	483	216306
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER ETC.	Kg.	2532	1134	3647	3119
7. LATEX FOAM SPONGE	"	12188	923	4688	1680
8. HOSES	"	950090	239546	1002355	227933
9. EBONITE	"	7938	3254	--	--
10. OTHER VULCANISED SHEETS	MT.	542	107143	339	76573
11. OTHER ARTICLES OF RUBBER		--	945444	--	1122029
Grand Total			1826603		2034121

Source: "Monthly Statistics of Foreign Trade of India."
published by Govt. of India.

TABLE-38

NUMBER OF LICENSED DEALERS IN DIFFERENT STATES
AT THE END OF EACH YEAR

State/Territory (1)	1970-71 (2)	75-76 (3)	80-81 (4)	85-86 (5)	90-91 (6)	91-92 (7)	92-93 (8)	93-94 (9)	94-95 (10)
Kerala	1566	1756	3041	3499	6439	6497	6215	6480	7181
Tamil Nadu	31	75	230	140	192	177	192	204	211
Punjab*	25	39	63	68	123	136	144	177	197
Delhi	61	63	112	115	161	165	164	172	172
West Bengal	53	45	58	67	91	92	95	97	103
Uttar Pradesh	7	10	35	40	59	63	71	82	84
Maharashtra	39	30	66	62	77	74	85	76	85
Karnataka	1	8	15	22	51	56	61	73	85
Haryana	--	--	--	17	34	37	40	44	43
Tripura	--	--	5	2	12	13	24	33	57
Gujarat	3	7	8	6	21	21	25	26	25
Madhya Pradesh	--	1	1	--	3	8	10	12	12
Rajasthan	--	--	1	--	2	5	8	10	11
Assam	--	--	--	--	2	3	6	5	7
Andamans	--	--	--	2	5	5	6	4	5
Meghalaya	--	--	--	--	2	--	4	4	4
Bihar	--	--	1	1	3	3	3	3	2
Andhra Pradesh	1	1	4	2	--	2	2	3	5
Orissa	--	--	--	1	1	1	1	2	2
Goa, Daman & Diu	--	--	--	--	--	--	--	1	1
Jammu & Kashmir	--	--	--	--	1	1	1	1	1
Mizoram	--	--	--	--	--	--	--	--	--
Manipur	--	--	--	--	--	--	--	--	--
Himachal Pradesh	3	1	1	--	--	3	1	--	--
Grand Total	1790	2036	3641	4044	7280	7365	7135	7509	8295

* Including Chandigarh also

TABLE-39

NUMBER OF LICENSED DEALERS IN DIFFERENT DISTRICTS
IN KERALA STATE AT THE END OF EACH YEAR

District	1970-71 (1)	1975-76 (2)	1980-81 (3)	1985-86 (4)	1986-87 (5)	1987-88 (6)	1987-88 (7)
Thiruvananthapuram	40	60	155	197	263	326	
Kollam	272	344	532	329	460	579	
Pathanamthitta	--	--	--	323	399	540	
Alappuzha	38	38	47	9	13	24	
Kottayam	686	787	1306	1431	1706	1849	
Idukki	--	86	155	239	264	295	
Ernakulam	313	212	392	510	628	775	
Thrissur	17	19	26	30	37	55	
Palakkad	11	17	38	47	57	73	
Malappuram	16	42	64	88	119	153	
Kozhikode	71	73	137	98	127	140	
Wynad	--	--	--	25	34	36	
Kannur	102	78	189	156	181	213	
Kasaragod	--	--	--	17	17	22	
Total	1566	1756	3041	3499	4305	5080	

TABLE-39(contn.)

District	1988-89 (8)	1889-90 (9)	1990-91 (10)	1991-92 (11)	1992-93 (12)	1993-94 (13)	1994-95 (14)
Thiruvananthapuram	370	416	477	483	472	500	561
Kollam	657	722	771	789	742	751	856
Pathanamthitta	664	746	857	888	800	829	927
Alappuzha	25	31	37	38	43	58	82
Kottayam	1984	1994	2033	2012	1907	1969	2094
Idukki	314	328	324	323	318	362	404
Ernakulam	873	947	1005	975	912	912	1001
Thrissur	72	79	84	85	101	107	121
Palakkad	94	106	113	135	144	169	197
Malappuram	184	222	226	243	231	224	275
Kozhikode	151	161	164	164	159	161	172
Wynad	37	39	35	39	37	49	48
Kannur	225	243	262	275	298	327	370
Kasarode	31	43	51	48	51	62	73
Total	5681	6077	6439	6497	6215	6480	7181

TABLE-40

DISTRIBUTION OF LICENSED DEALERS ACCORDING TO THEIR PURCHASE

Purchase in tonnes (1)	1985-86	70-71	75-76	76-77	77-78	78-79	81-82	83-84	85-86	87-88	91-92	94-95
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
0 - 10	217	1022	756	753	874	1352	1603	1425	1724	3134	3384	3699
11 - 25	102	227	324	345	371	402	519	536	507	618	915	989
26 - 50	79	148	287	329	377	376	433	492	517	599	862	1041
51 - 100	56	115	203	287	288	317	371	416	435	511	776	800
101 - 250	71	124	214	283	277	352	371	404	451	510	794	822
251 - 500	35	77	106	141	160	155	185	195	177	212	243	311
501 - 1000	27	47	94	98	99	94	109	110	117	128	145	225
Above 1000	21	30	52	80	79	87	79	90	116	96	146	208
Total	608	1790	2036	2316	2525	3135	3670	3658	4044	5808	7365	8295

TABLE-41

AVERAGE DAILY EMPLOYMENT IN RUBBER PLANTATIONS

Year	Numbers	Year	Numbers
1963	113528	1979	184320
1964	115595	1980	192578
1965	122481	1981	199775
1966	126958	1982	206790
1967	135104	1983	212613
1968	139795	1984	220434
1969	144423	1985	227780
1970	146591	1986	235351
1971	147902	1987	244477
1972	148040	1988	257742
1973	150909	1989	271601
1974	154214	1990	282674
1975	157754	1991	293108
1976	162661	1992	304618
1977	168475	1993	310800
1978	176925	1994	315900

Source: Ministry of Food and Agriculture (Govt. of India),
Govt. of Kerala and Rubber Board

TABLE-42

COLLECTION OF EXCISE DUTY AND MISCELLANEOUS RECEIPTS OF THE RUBBER BOARD
(In million Rs.)

Year	Excise Duty Collected on Rubber	Sales of rubber from experiment stations	Sales of planting materials from nurseries	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)
1985-86	96.26	3.91	2.18	7.60	109.95
1986-87	94.19	3.94	2.9	8.16	109.19
1987-88	111.60	4.38	3.01	8.31	127.30
1988-89	126.68	5.56	2.75	10.83	145.82
1989-90	141.60	5.39	3.82	13.50	164.31
1990-91	147.34	4.62	3.99	12.77	168.72
1991-92	168.13	5.73	3.65	15.41	192.92
1992-93	180.48	5.82	5.01	17.47	208.78
1993-94	198.20	8.21	4.55	17.04	228.00
1994-95p	262.34	9.22	6.68	69.04*	347.28

* : Including recovery of input cost of Rs 47.21 millions.

TABLE-43

SCHEMEWISE EXPENDITURE OF THE RUBBER BOARD
(In Rs/Million)

Scheme	1985-86 (1)	1986-87 (2)	1987-88 (3)	1988-89 (4)	1989-90 (5)
1. Rubber plantation development scheme (newplanting and Replanting)	94.93	118.96	111.18	104.22	87.55
2. Infrastructure development in non-traditional areas	2.86	10.02	7.17	15.48	20.02
3. Productivity enhancement*	--	--	--	--	--
4. Extension training and supplies	3.28	6.44	4.97	11.16	13.8
5. Maintenance of nurseries and distribution of planting materials	2.43	3.81	4.86	5.46	5.57
6. Processing, marketing and product development	2.3	7.55	8.21	9.23	11.68
7. Research	19.77	24.4	24.91	29.66	37.51
8. Special component and tribal subplan	0.12	3.74	8.67	13.38	11.15
9. Labour welfare	0.81	1.33	1.51	1.99	2.3
10. Construction of administrative building & residential building etc.	3.88	6.61	3.03	1.85	5.37
11. Operational expenses for schemes 1,3,4,5 & 8	18.24	22.06	25.61	25.81	28.04
12. General administration	7.63	10.15	11.21	12.74	14.36
Total - plan	110.06	155.2	147.47	166.55	161.48
- non plan	49.57	64.11	71.65	71.57	83.8
Grand Total	159.63	219.31	219.12	238.12	245.28

BLE-43 (contd.)

Scheme	90-91 (6)	91-92 (7)	92-93 (8)	93-94 (9)	94-95 (10)
Rubber plantation development scheme (newplanting and Replanting)	126.85	115.2	111.78	110.74	103.8
Infrastructure development in non-traditional areas	19.66	27.61	35.71	35.08	25.02
Productivity enhancement*	--	--	--	30.23	63.18
Extension training and supplies	16.68	23.12	17.28	3.89	11.34
Maintenance of nurseries and distribution of planting materials	7.4	4.59	5.32	5.94	6.04
Processing, marketing and product development	10.16	12.61	12.63	14.32	15.26
Research	41.86	47.35	42.28	64.33	53.31
Special component and tribal subplan	6.85	11.28	10.76	19.03	19.02
Labour welfare	2.28	4.13	4.08	6.59	9.43
3. Construction of administrative building & residential building etc.	8.48	10.27	13.92	10.46	6.57
1. Operational expenses for schemes 1,3,4,5 & 8	29.92	39.13	46.73	51.74	59.21
2. General administration	14.81	17.49	20.64	22.48	25.04
Total - plan	210.23	233.41	228.04	270.41	293.05
- non plan	83.23	88.19	102.21	114.15	113.33
Grand Total	293.46	321.6	330.25	384.56	406.38

Note : Totals include expenditure on Pension/CPF and advance to employees.
 : Subsidy portion works out only 10 to 15% of the amount and the balance is recoverable.

TABLE-44

PROGRESS IN DISTRIBUTION OF PLANTING MATERIALS
(Distributed directly by Rubber Board)

Year (1)	Tjir 1 Clonal Seeds (Nos.) (2)	Tjir 1 Clonal Poly Clonal Seedlings (Nos.) (3)	Indigenous Seedlings (Nos.) (4)	PBIG GG1 & GG2 Seedling (Nos.) (5)	Budded Stumps (Nos.) (6)	Green budded Stumps (Nos.) (7)	Budwood Poly bagged Plants (Nos.) (8)	Poly bagged Plants (Nos.) (9)
1961	688912	22025	--	--	25	--	2638	--
1962	4445344	68180	--	--	326	--	918	--
1963	2788850	356835	--	5320	31012	--	560	--
1964	2641345	253777	--	93990	82964	--	3704	--
1965	4195000	202270	--	172403	63215	--	2890	--
1966	3743745	289285	--	168409	62478	--	--	--
1967	8244751	54500	--	155002	73533	--	1707	--
1968	3087131	283528	14195	92377	101887	--	3067	--
1969	6393246	408528	10000	7099	198233	--	3176	--
1970	3142000	210500	88900	74800	390900	--	2525	--
1971	--	--	149060	--	--	--	--	--
1972	--	--	13130	250	446729	--	5519	--
1973	--	--	25335	100565	380657	--	4849	--
1974	--	--	41285	52898	349778	--	8999	--
1975	--	--	2600	--	498967	--	11346	--
				--	612975	--	15190	--

TABLE-44(Contn.)

Year	Tjir 1 Clonal Seeds (Nos.) (10)	Tjir 1 Clonal Seedlings (Nos.) (11)	Tjir 1 Indigenous Poly Clonal Seedlings (Nos.) (12)	PBG GG1 & GG2 Seedling (Nos.) (13)	Budded Stumps (Nos.) (14)	Green budded Stumps (Nos.) (15)	Budwood Poly bagged Plants (Nos.) (16)	Budded Poly bagged Plants (Nos.) (17)
1976	--	--	31055	--	744933	--	4442	--
1977	--	--	44863	--	622620	--	9340	--
1978	--	--	6090	--	570361	--	3099	--
1979	--	--	60565	--	868844	--	2482	--
1980	--	--	28980	--	871532	--	12014	4987
1981	--	--	31110	--	903668	77794	14916	551
1982	--	--	35060	--	788383	170733	1433	1870
1983	--	--	49405	--	743763	109681	10148	2852
1984	--	--	--	--	1012372	137887	12510	12459
1985	--	--	--	--	848443	171680	14291	12901
1986	--	--	--	--	1003694	276664	12725	53651
1987	--	--	--	--	833430	259439	31731	--
1988	--	--	--	--	513822	282287	22276	3509
1989	--	--	--	--	962035	7500	10394	3490
1990	--	--	--	--	1114918	107764	28100	7242
1991	--	--	--	--	629485	12000	22283	--
1992	--	--	--	--	792823	--	7265	--
1993	--	--	--	--	734866	165748	5962	--
1994	--	--	--	--	856158	465838	873	--

Note: 1. During 1967, the Board had also distributed 53,464 germinated PBG/GG Seeds.
 2. The approval for planting Tjir 1 clonal seeds and seedlings has been withdrawn by the Board since 1971
 3. During 1978, 172851, and during 1982, 1025 stumped buddings were distributed.

TABLE-45

RUBBER MARKETING BY THE CO-OPERATIVE SOCIETIES

Year	No. of Societies	Rubber Marketed (In Tonnes)	Year	No. of Societies	Rubber Marketed (In Tonnes)
1965-66	6	275	1979-80	50	10200
1964-65	11	660	1980-81	53	9336
1965-66	16	1778	1981-82	54	11067
1966-67	18	3027	1982-83	58	11077
1967-68	23	5990	1983-84	59	11884
1968-69	23	3978	1984-85	60	12960
1969-70	25	4284	1985-86	62	21036
1970-71	37	10651	1986-87	116	24651
1971-72	58	14510	1987-88	116	25781
1972-73	58	18513	1988-89	118	31246
1973-74	60	7045	1989-90	118	30419
1974-75	62	4350	1990-91	125	29285
1975-76	62	5545	1991-92	148	48665
1976-77	64	9866	1992-93	146	34260
1977-78	54	7878	1993-94	219	50719
1978-79	52	6875	1994-95	231	55934

Note: From 1986-87 onwards, include Rubber Producers' Societies.

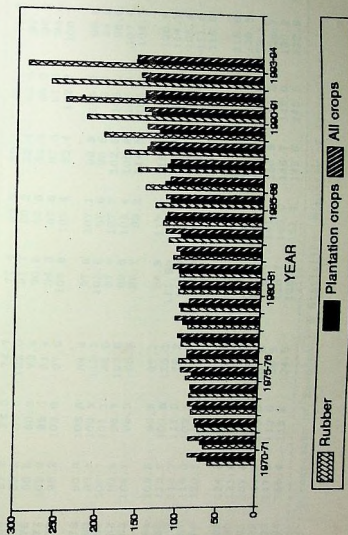
TABLE-46

INDEX NUMBERS OF AGRICULTURAL PRODUCTION
(Base: Triennium ending 1981-82=100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1965-66	33.3	85.4	45.8	56.2	81.4	29.5	60.6	68.9	63.7
1970-71	60.8	74.7	79.1	73.2	84.4	67.7	87.9	82.6	85.9
1975-76	90.9	86.9	60.3	82.5	98.0	82.0	98.8	91.9	96.2
1976-77	98.7	91.3	73.4	89.1	84.3	82.5	89.6	88.8	89.3
1977-78	97.0	99.3	89.7	97.0	105.9	90.3	103.0	99.4	101.6
1978-79	89.3	100.6	79.2	94.6	108.1	100.9	107.0	101.6	105.0
1979-80	98.0	98.5	107.4	100.1	85.1	90.5	87.5	90.8	88.7
1980-81	101.1	101.6	85.1	98.4	107.8	103.2	104.9	97.4	102.1
1981-82	100.9	99.9	107.6	101.5	107.0	108.4	107.6	111.8	109.2
1982-83	109.5	100.0	93.2	100.3	94.7	121.5	103.7	106.6	104.8
1983-84	115.7	103.7	75.3	100.3	120.8	129.2	122.8	111.5	118.6
1984-85	123.1	114.1	140.4	120.7	117.3	125.2	117.5	118.6	117.9
1985-86	132.3	117.0	87.7	114.0	128.7	133.6	123.4	113.0	119.6
1986-87	144.9	110.7	137.8	121.7	122.1	125.9	116.9	112.4	115.2
1987-88	155.2	118.6	88.1	119.0	114.6	131.1	113.5	118.1	115.2
1988-89	171.0	125.0	154.7	144.1	142.1	153.6	138.9	142.8	140.0
1989-90	196.2	121.4	85.0	128.8	148.3	141.5	139.7	147.3	143.9
1990-91	217.5	132.4	122.9	139.3	150.7	154.8	144.3	150.8	148.2
1991-92	242.0	125.5	129.5	146.1	150.2	158.2	137.6	158.8	145.5
1992-93	259.7	125.5	116.2	146.6	146.5	162.5	144.3	163.7	151.5
1993-94	287.3	125.5	149.7	157.7	158.8	168.0	148.3	168.3	155.7

Source: Directorate of Economics & Statistics, Ministry of Agriculture

Chart No.9
MOVEMENT OF PRODUCTION INDICES
 (Base 1981-82 = 100)



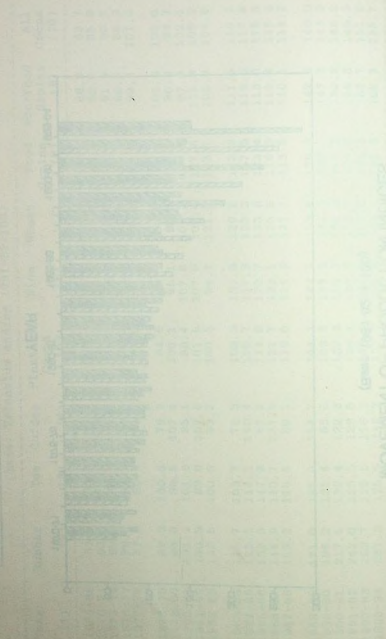
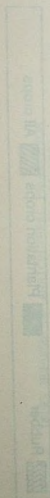


Figure 1. The effect of the concentration of the reagent on the yield of the product.

TABLE-47

INDEX NUMBERS OF PRODUCTIVITY

(Base: Triennium ending 1981-82 = 100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1965-66	57.2	73.0	74.7	77.4	89.5	52.1	68.9	75.7	70.2
1970-71	83.2	80.2	122.0	91.7	90.2	82.4	89.8	90.7	89.2
1975-76	98.5	90.9	73.4	90.5	99.6	89.0	98.0	96.3	96.7
1976-77	102.9	95.3	81.4	94.3	87.8	87.5	91.6	94.4	92.2
1977-78	98.2	103.0	97.5	100.9	105.4	93.4	102.7	100.1	101.5
1978-79	90.9	103.6	84.4	97.8	107.1	98.9	105.4	99.6	103.3
1979-80	99.8	100.2	112.3	102.6	86.6	90.6	88.8	94.0	90.4
1980-81	100.7	101.1	84.6	97.9	107.7	102.8	105.1	98.0	102.4
1981-82	99.5	98.7	103.6	99.6	105.4	106.6	105.8	107.4	106.8
1982-83	106.1	96.3	85.9	95.7	99.2	114.5	105.2	104.7	105.5
1983-84	109.5	99.5	67.7	94.3	117.4	116.2	118.8	106.8	114.5
1984-85	113.2	103.8	125.1	111.90	114.1	117.9	117.7	114.7	117.2
1985-86	114.7	111.2	76.2	102.8	125.3	128.0	122.9	108.4	117.6
1986-87	118.3	102.1	118.7	106.0	118.8	121.4	116.7	111.6	114.9
1987-88	120.6	106.8	76.0	101.7	118.3	126.2	120.4	116.0	120.0
1988-89	124.4	127.0	132.9	116.1	136.5	141.5	138.1	126.6	135.8
1989-90	131.4	117.1	85.0	117.4	141.0	133.7	139.9	130.3	139.0
1990-91	137.4	119.9	110.1	117.4	141.5	143.3	143.6	129.5	141.4
1991-92	144.4	113.6	107.6	118.2	141.5	143.3	143.6	129.5	141.4
1992-93	147.5	113.6	96.5	119.7	141.1	150.9	136.5	128.7	131.0
1993-94	155.4	113.6	124.3	118.7	140.6	146.7	142.0	130.2	137.0
				126.1	151.4	149.6	145.5	132.9	140.2

Source : Directorate of Economics & Statistics, Ministry of Agriculture.

TABLE-48

GROSS DOMESTIC PRODUCT AND CONSUMER PRICE INDEX

Year	Gross Domestic Product at factor cost (At 80-81 prices) (Rs. crores)	All India Consumer Price Index* (Base 1960-61=100)
1965-66	72122	152
1966-67	72856	181
1967-68	78785	208
1968-69	80841	187
1969-70	86109	190
1970-71	90426	193
1971-72	91339	196
1972-73	91048	217
1973-74	95192	263
1974-75	96297	354
1975-76	104968	340
1976-77	106280	293
1977-78	114219	324
1978-79	120504	317
1979-80	114236	346
1980-81	122427	395
1981-82	121889	444
1982-83	133915	467
1983-84	144865	520
1984-85	150433	521
1985-86	156566	546
1986-87	163271	572
1987-88	170322	629
1988-89	188462	708
1989-90	201453	746
1990-91	211260	803
1991-92	213590	958
1992-93	223438	1076
1993-94	233042	1114
1994-95	247700	1247

* For Agricultural Labourers.

Source: Central Statistical Organisation &
Indian Labour Journal.

TABLE-49

INDEX NUMBERS OF WHOLESALE PRICES OF SELECTED COMMODITIES
(Base 1981-82=100)

Commodities (1)	1982-83 (2)	85-86 (3)	86-87 (4)	87-88 (5)	88-89 (6)	89-90 (7)	90-91 (8)	91-92 (9)	92-93 (10)	93-94 (11)	94-95 (12)
Rice	115.0	126.9	134.2	145.8	161.2	168.8	178.3	217.1	248.6	266.4	294.1
Wheat	111.2	119.0	127.1	134.5	154.2	148.2	172.1	203.7	227.0	253.4	272.7
Tapioca	158.7	197.6	242.7	156.2	157.1	282.3	339.7	322.6	428.5	461.2	477.5
Bananas	107.8	121.7	153.8	155.7	166.6	175.1	183.6	227.0	264.1	271.0	268.9
Cashewnuts	80.8	126.6	160.5	166.3	164.5	174.3	193.4	286.8	266.7	272.5	280.8
Black pepper	93.9	299.4	391.6	389.7	289.4	316.9	248.9	254.8	212.9	267.9	434.3
Tea	120.2	155.4	168.6	172.8	182.7	283.1	300.2	270.4	307.6	336.5	286.5
Coffee	102.9	167.0	168.2	176.5	182.7	191.8	307.6	291.8	278.0	352.5	834.3
Raw Cotton	86.9	95.2	86.6	133.4	140.9	146.9	145.5	238.0	218.0	245.5	388.3
Raw jute	119.8	196.5	124.8	147.0	198.1	271.1	359.9	256.1	204.2	314.1	352.5
Petrol	102.4	120.6	127.0	130.6	145.2	146.0	187.3	238.8	263.9	275.9	293.5
Rubber	98.7	117.0	113.1	121.3	121.4	140.9	143.0	144.4	175.7	171.7	240.9
Synthetic rubber	104.1	119.7	138.2	160.7	164.9	167.9	184.6	199.5	206.3	257.4	252.1
Rubber & Plastic*	108.4	125.6	132.8	143.5	155.3	159.4	164.9	170.6	186.2	189.9	200.6
Tyres & Tubes	111.9	127.9	126.3	131.2	135.9	145.8	153.3	162.3	175.8	183.6	189.8
Camel back	115.4	121.0	125.8	135.7	136.3	138.4	141.7	147.3	155.5	162.6	163.8
Rubber belting	103.0	133.6	149.0	149.3	152.6	152.7	152.7	153.5	209.5	209.8	248.4
Hoses	106.7	125.7	140.8	141.4	156.2	156.2	156.2	156.2	156.2	156.2	180.1
Fertilisers	105.0	100.7	107.5	107.6	98.9	98.1	99.1	123.9	160.8	181.8	195.6
Pesticides	109.3	123.7	126.7	132.8	139.2	148.2	158.2	198.1	202.5	216.0	324.7
Rubber Chemicals	108.3	136.4	147.6	152.5	166.6	173.6	209.5	226.1	244.9	257.6	269.3
Carbon black	102.6	122.2	122.4	128.7	136.6	144.5	158.9	176.9	196.3	221.5	199.3
Cars	103.4	117.8	135.9	143.7	157.9	172.9	201.6	252.0	266.3	252.5	278.9
Trucks	101.2	102.6	108.5	112.5	119.8	127.4	136.9	144.2	150.8	152.7	161.5
Buses	103.0	117.4	128.3	126.6	137.6	169.8	190.7	223.8	246.2	246.1	263.5
Scooters	105.9	127.9	132.7	133.3	137.2	156.5	165.6	181.0	191.9	196.8	220.3
Cycles	101.9	132.0	132.2	136.3	154.0	154.8	175.7	198.8	210.2	223.5	236.9
Manufactured) Products }	103.5	124.5	129.2	138.5	151.5	168.6	182.8	203.4	225.6	243.2	268.8
All Commodities	104.9	125.4	132.7	143.5	154.2	165.7	182.7	207.8	228.7	247.8	274.7

Source: "Index number of wholesale prices in India" Published by the
Ministry of Industry, Govt. of India.

* Products

WORLD RUBBER STATISTICS

TABLE-50

AREA UNDER RUBBER IN MAIN PRODUCING COUNTRIES (In Thousand Hectares)

Territory (1)	End of (2)	Holdings (3)	Estates (4)	Total (5)
Indonesia	1994	2717	524	3241
Thailand	1994	1859	80	1939
Malaysia	1990	1488	349	1837
China*	1990	NA	NA	603
India	1994	441	75	516
Sri Lanka	1994	91	71	162
Brazil*	1989	138	59	197
Nigeria	1990	200	47	247
Liberia	1973	43	77	120
Viet-Nam	1994	NA	NA	250
Zaire	1959	25	68	93
Philippines	1992	--	88	88
Myanmar	1994	52	38	90
Cote d'Ivoire	1994	27	41	68
Cameroon	1994	NA	NA	41

Note : Estate areas refer to holding of 40 ha. and over.

* Estimated figures NA Not available

Source : Rubber Statistical Bulletin of the International Rubber Study Group.

TABLE-51

PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Metric Tonnes)

Country (1)	1975 (2)	1980 (3)	1985 (4)	1987 (5)	1988 (6)	1989 (7)	1990 (8)	1991p (9)	1992p (10)	1993p (11)	1994p (12)
Thailand	355	501	724	926	979	1179	1271	1341	1531	1551	1722
Indonesia*	823	1020	1130	1203	1235	1256	1262	1284	1387	1301	1361
Malaysia	1459	1530	1470	1579	1662	1416	1291	1256	1173	1074	1101
India	136	155	198	227	255	289	324	360	383	428	484
China	69	113	188	238	240	243	264	296	309	326	341
Philippines*	51	70	NA	NA	52	57	61	60	57	58	58
Nigeria	68	47	52	55	81	118	152	156	110	105	95
Sri Lanka	149	133	138	122	122	111	113	104	106	104	105
Vietnam*	20	46	52	55	60	85	103	87	114	90	88
Combdodia*	10	NA	22	25	27	39	35	31	30	31	42
Liberia	83	77	84	93	108	106	19	32	30	45	31
Brazil	19	28	40	27	33	31	30	27	26	27	28
Total**	3315	3850	4400	4840	5020	5150	5120	5240	5460	5340	5680

* Estimated. NA: Not available separately.

** : Including other countries not reported separately.

Source : "Rubber Statistical Bulletin" of the International Rubber Study Group

TABLE-52

CONSUMPTION OF NATURAL RUBBER IN MAIN CONSUMING COUNTRIES
(In Thousand Metric Tonnes)

Country (1)	1975 (2)	1980 (3)	1985 (4)	1987 (5)	1988 (6)	1989 (7)	1990 (8)	1991P (9)	1992P (10)	1993P (11)	1994P (12)
U.S.A.	666	585	764	789	858	867	808	756	910	867	1002
Japan	285	427	540	568	623	657	677	690	685	631	640
China*	225	340	415	555	660	650	600	610	640	650	725
India	129	171	233	278	311	333	358	375	405	444	473
Korea Rep.	NA	NA	155	200	235	232	255	264	276	271	290
Malaysia	31	45	69	82	103	122	184	216	249	269	292
Germany@	197	180	202	199	204	221	209	211	213	175	178
France	156	188	156	170	181	184	179	183	179	169	180
Brazil	59	81	98	115	125	124	121	125	119	125	132
U.K.	171	131	128	134	140	133	136	119	125	119	135
Italy	118	132	127	136	140	143	130	120	115	108	100
Taiwan*	NA	NA	84	105	150	100	105	120	115	109	105
C.I.S.*	NA	NA	210	165	100	140	150	80	28	36	20
Total**	3368	3760	4430	4800	5100	5190	5200	5100	5390	5390	5640

NA: Not available separately.

@ : Up to 1990 Federal Republic of Germany.

* : Including allowances for officially reported Statistics

** : Including allowances for officially reported Statistics

and those countries not reported separately.

Source : "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-53

PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Metric Tonnes)

Country (1)	1975 (2)	1980 (3)	1985 (4)	1987 (5)	1988 (6)	1989 (7)	1990 (8)	1991p (9)	1992p (10)	1993p (11)	1994p (12)
U. S. A.	1990	2215	2026	2182	2335	2261	2115	2050	2300	2180	2390
C.I.S.*	1800	2040	2125	2366	2435	2358	2277	2105	1495	1030	590
Japan	789	1094	1158	1192	1299	1353	1426	1377	1390	1310	1349
France	350	511	544	538	568	587	522	471	500	486	520
Germany @	316	390	448	468	500	508	525	504	545	570	642
China	57	123	171	218	251	289	316	335	371	385	494
Italy	200	250	225	245	260	295	300	305	310	300	305
Brazil	129	249	266	250	284	257	275	264	261	272	268
D.K.	261	212	233	257	313	311	274	251	280	290	291
Netherlands	216	212	235	205	189	221	244	245	191	176	204
Canada	173	253	209	180	197	188	195	180	206	197	232
Korea Rep*	24	75	106	141	169	169	227	225	280	307	346
Taiwan*	NA	77	105	125	136	170	175	194	198	215	297
Mexico	60	91	146	158	149	141	133	118	131	123	122
Belgium*	65	115	92	103	126	120	125	114	120	120	126
Germany D.R.	144	163	158	99	149	146	89	--	--	--	--
Poland	108	118	126	117	128	125	103	80	89	75	83
India	23	23	37	44	49	54	58	56	61	51	59
Total +	6855	8695	8960	9450	10160	10150	9910	9270	9240	8580	8810

* : Estimated, NA : Not Available separately, + : Including other countries
@ : not reported separately.

For C.I.S., data before 1992 refer to the former U.S.S.R. Study Group.
Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-54

CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES
(In Thousand Metric Tonnes)

COUNTRY (1)	1975 (2)	1980 (3)	1985 (4)	1987 (5)	1988 (6)	1989 (7)	1990 (8)	1991p (9)	1992p (10)	1993p (11)	1994p (12)
U. S. A	1964	1980	1982	2017	2017	2051	1821	1768	1960	2001	2118
C.I.S.*	NA	NA	2115	2300	2375	2180	2076	1980	1170	750	435
Japan	585	885	948	946	1042	1103	1133	1119	1081	1022	1028
China*	55	155	245	265	290	330	361	410	515	545	700
Germany *	360	421	411	453	471	476	511	502	506	488	535
France	278	342	312	316	315	358	351	342	365	315	325
Italy	220	288	277	299	312	325	310	305	295	280	290
Korea Rep*	NA	NA	145	215	255	236	279	251	275	307	320
Brazil	176	244	235	274	283	285	278	280	297	311	316
U.K	266	248	201	216	227	240	223	201	231	212	241
Canada*	179	200	173	210	202	191	185	184	198	210	240
Taiwan*	NA	NA	95	145	155	145	183	206	196	209	225
Spain	NA	NA	144	166	165	154	166	147	165	147	153
Mexico	NA	NA	140	106	105	107	114	115	125	105	80
India	32	46	70	76	83	90	97	100	110	111	116
Total +	7028	8785	9000	9850	9940	10040	9700	9290	9310	8710	8780

* Estimated, NA : Not Available seperately

* Uto 1990 Federal Republic of Germany.

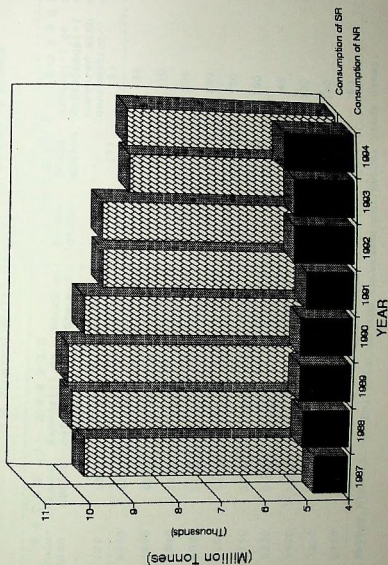
For C.I.S., data before 1992 refer to the former U.S.S.R.

+ Including allowances for discrepancies in officially

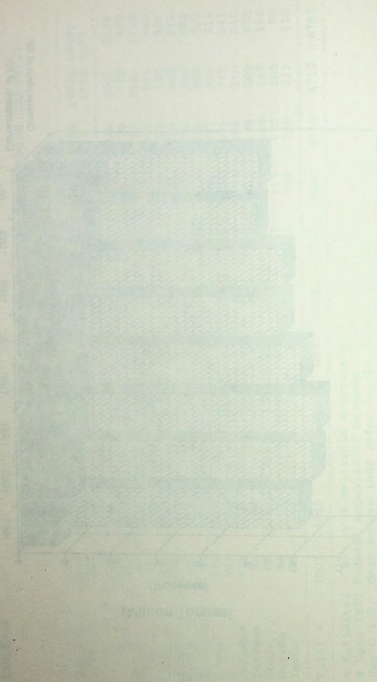
reported statistics and those countries not reported separately.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

Chart No.10
WORLD CONSUMPTION OF NR & SR



1970



Source: United Nations, Department of Economic and Social Affairs, Population Division, World Population Prospects, 1970.

TABLE-55

PRODUCTION, CONSUMPTION AND STOCK OF NATURAL AND SYNTHETIC RUBBER
(In Thousand Metric Tonnes)

Year	N A T U R A L R U B B E R				S Y N T H E T I C R U B B E R			
	Pro- duc- tion	Consu- mption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year	Pro- duc- tion	Consu- mption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1985	4400	4430	- 30	1570	8960	9000	- 40	1730
1986	4490	4460	+ 30	1600	9270	9280	- 10	1720
1987	4840	4800	+ 40	1640	9450	9650	- 200	1520
1988	5020	5100	- 80	1560	10160	9940	+ 220	1800
1989	5150	5190	- 40	1610	10120	10040	+ 80	1890
1990	5140	5200	- 60	1550	9890	9700	+ 190	2080
1991	5230	5100	+ 130	1680	9250	9290	- 40	2040
1992	5480	5390	+ 90	1770	9180	9310	- 130	1910
1993	5300	5390	- 90	1680	9610	8710	- 100	1810
1994	5710	5630	+ 80	1760	8720	8780	- 60	1750

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-56

ESTIMATED PERCAPITA CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER
(Kilograms)

Country (1)	1960 (2)	1965 (3)	1970 (4)	1975 (5)	1980 (6)	1985 (7)	1990 (8)	1991 (9)	1992 (10)	1993 (11)	1994 (12)
U S A	8.77	10.75	12.28	12.18	11.26	11.43	10.52	10.01	11.30	11.49	11.97
Canada	5.19	7.22	8.77	11.04	11.65	10.65	10.12	9.62	10.35	10.60	11.83
Germany	4.58	6.20	9.21	9.01	9.77	10.05	9.07	8.91	7.81	8.19	8.76
France	4.84	5.66	8.25	8.22	9.86	8.48	9.34	9.20	9.40	8.50	8.75
U.K	5.75	6.83	8.53	7.80	6.77	5.78	6.25	5.55	5.79	5.88	6.28
Japan	2.44	3.82	7.47	7.80	11.23	12.31	14.65	14.59	14.20	13.27	13.33
Australia	5.93	7.02	7.51	7.20	6.87	5.19	5.22	4.92	5.08	6.06	6.57
Italy	2.68	3.85	5.78	6.10	7.44	7.05	7.63	7.36	7.22	6.80	6.82
Brazil	0.89	0.80	1.32	2.24	2.68	2.46	2.65	2.49	2.57	2.88	2.91
China	0.18	0.23	0.35	0.38	0.50	0.62	0.83	0.88	0.93	0.96	1.18
India	0.12	0.18	0.22	0.27	0.32	0.40	0.55	0.56	0.61	0.63	0.64

Source: Upto 1992 'Key Rubber Indicators' published by IRSG, London,
for 1982 & 1993 compiled by the Rubber Board.

TABLE-57

WORLD PRICE OF NATURAL RUBBER
(Average price for RSS 3 per 100 Kg.)

Year (1)	LONDON [C.I.F.]		KUALALUMPUR		INDIA Rs. (6)
	Pound Sterling (2)	Equivalent Rate in Rs. (3)	Malaysian Ringgit (4)	Equivalent Rate in Rs. (5)	
1976	46.02	750	189.70	674	620
1977	49.34	756	194.00	692	630
1978	54.04	850	222.50	789	885
1979	62.53	1072	271.10	1011	1024
1980	63.76	1170	298.70	1083	1154
1981	53.38	938	230.80	872	1423
1982	49.37	819	181.30	739	1473
1983	73.00	1120	238.80	1042	1672
1984	73.26	1110	214.70	1040	1689
1985	61.15	980	179.80	890	1694
1986	57.09	1057	202.10	988	1670
1987	62.23	1321	236.40	1217	1766
1988	69.25	1717	301.20	1600	1811
1989	61.06	1623	247.00	1482	2040
1990	51.24	1604	220.60	1425	2147
1991	50.00	2000	216.90	1796	2128
1992	52.72	2655	212.60	2457	2463
1993	58.92	2786	207.50	2538	2546
1994	78.49	3779	288.60	3455	3107
1995	104.62	5375	390.40	5030	5059

Note: In the case of India, price refers to RSS-4 grade rubber at Kottayam market.

Source : Rubber Statistical Bulletin of the International Rubber Study Group.

1952-53

WORLD PRICE OF NATURAL RUBBER
(Average price for RSS 3 per 100 kg.)

Year	London (L.S.) Pounds Sterling (10)	London (L.S.) Pounds Sterling (10)	Malaya Malayan Dollars (4)	Malaya Malayan Dollars (4)	India Rupees (5)
1952	48.00	48.00	188.70	188.70	834
1951	48.00	48.00	188.00	188.00	830
1950	48.00	48.00	188.00	188.00	828
1949	48.00	48.00	188.00	188.00	828
1948	48.00	48.00	188.00	188.00	828
1947	48.00	48.00	188.00	188.00	828
1946	48.00	48.00	188.00	188.00	828
1945	48.00	48.00	188.00	188.00	828
1944	48.00	48.00	188.00	188.00	828
1943	48.00	48.00	188.00	188.00	828
1942	48.00	48.00	188.00	188.00	828
1941	48.00	48.00	188.00	188.00	828
1940	48.00	48.00	188.00	188.00	828
1939	48.00	48.00	188.00	188.00	828
1938	48.00	48.00	188.00	188.00	828
1937	48.00	48.00	188.00	188.00	828
1936	48.00	48.00	188.00	188.00	828
1935	48.00	48.00	188.00	188.00	828
1934	48.00	48.00	188.00	188.00	828
1933	48.00	48.00	188.00	188.00	828
1932	48.00	48.00	188.00	188.00	828
1931	48.00	48.00	188.00	188.00	828
1930	48.00	48.00	188.00	188.00	828
1929	48.00	48.00	188.00	188.00	828
1928	48.00	48.00	188.00	188.00	828
1927	48.00	48.00	188.00	188.00	828
1926	48.00	48.00	188.00	188.00	828
1925	48.00	48.00	188.00	188.00	828
1924	48.00	48.00	188.00	188.00	828
1923	48.00	48.00	188.00	188.00	828
1922	48.00	48.00	188.00	188.00	828
1921	48.00	48.00	188.00	188.00	828
1920	48.00	48.00	188.00	188.00	828
1919	48.00	48.00	188.00	188.00	828
1918	48.00	48.00	188.00	188.00	828
1917	48.00	48.00	188.00	188.00	828
1916	48.00	48.00	188.00	188.00	828
1915	48.00	48.00	188.00	188.00	828
1914	48.00	48.00	188.00	188.00	828
1913	48.00	48.00	188.00	188.00	828
1912	48.00	48.00	188.00	188.00	828
1911	48.00	48.00	188.00	188.00	828
1910	48.00	48.00	188.00	188.00	828
1909	48.00	48.00	188.00	188.00	828
1908	48.00	48.00	188.00	188.00	828
1907	48.00	48.00	188.00	188.00	828
1906	48.00	48.00	188.00	188.00	828
1905	48.00	48.00	188.00	188.00	828
1904	48.00	48.00	188.00	188.00	828
1903	48.00	48.00	188.00	188.00	828
1902	48.00	48.00	188.00	188.00	828
1901	48.00	48.00	188.00	188.00	828
1900	48.00	48.00	188.00	188.00	828

In the case of India, price refers to RSS 4 grade rubber.
at London market.
Source: Rubber Statistical Bulletin of the International
Rubber Study Group.

INDIAN RUBBER STATISTICS

VOLUME 22

1997

Compiled by
THE STATISTICS & PLANNING DEPARTMENT

THE RUBBER BOARD
(MINISTRY OF COMMERCE, GOVT. OF INDIA)
KOTTAYAM 686 002, INDIA.

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1957

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THE RUBBER BOARD

MINISTRY OF COMMERCE, GOVT. OF INDIA
NEW DELHI

ABOUT THE RUBBER BOARD

The Rubber Board is a statutory body constituted under the Rubber Act, 1947.

The functions of the Board as defined under the Act are: (1) To promote by such measures as it thinks fit the development of the rubber industry; (2) without prejudice to the generality of the foregoing provision the measures referred to therein may provide for:- (a) undertaking, assisting or encouraging scientific, technological or economic research; (b) training students in improved methods of planting, cultivation, manuring and spraying; (c) the supply of technical advice to rubber growers; (d) improving the marketing of rubber; (e) the collection of statistics from owners of estates, dealers and manufacturers; (f) securing better working conditions and (g) carrying out any other duties which may be vested in the Board under rules made under this Act.

It shall also be the duty of the Board - (a) to advise the Central Government on all matters relating to the development of the rubber industry, including the import and export of rubber; (b) to advise the Central Government with regard to participation in any international conference scheme relating to rubber; (c) to submit to the Central Govt. and such other authorities as may be prescribed half yearly reports on its activities and the working of this Act; (d) to prepare and furnish such other reports relating to the rubber industry as may be required by the Central Govt. from time to time.

FROM THE CHAIRMAN

In the 50th year of India's independence the Rubber Board also celebrates its Golden Jubilee. The foundation of the Rubber Board (in April 1947) coincided with India's independence, 50 years ago in August 1947. Therefore this issue, Vol. 22 of Indian Rubber Statistics is a commemoration of 50 years of glorious existence of the Rubber Board.

Collection of rubber statistics is one of the basic objectives of the Rubber Board. This publication, which is the 22nd in the series, has been compiled from the statistics thus collected.

The Statistics published in the volume have been compiled not only from the Board's records but also from various other sources as indicated in the tables.

Suggestions for improving this publication will be appreciated.

Readers interested in the latest statistics of production, consumption, import, price, etc. of rubber may refer to the "Rubber Statistical News" (monthly) issued by the Rubber Board.

The co-operation extended by producers of natural, synthetic and reclaimed rubber, dealers and processors of natural rubber and manufacturers of rubber goods and various organisations connected with the industry for making available the data is gratefully acknowledged.

I wish to record my appreciation for the good work done by the officers of the Statistics & Planning Department for compiling the publication. In-house computer facilities have been used to update the statistical tables.

Kottayam - 686 002

28 November 1997

K.J. MATHEW
CHAIRMAN

ON INDIAN RUBBER STATISTICS BY OTHERS

Dr. L. BATEMAN D.Sc FRS
SECRETARY GENERAL
INTERNATIONAL RUBBER STUDY GROUP

LONDON
7TH JULY 1980

"My colleagues and I are most impressed by the 'Indian Rubber Statistics (1980)'. It is certainly one of the most comprehensive and detailed statistical records of the rubber industry in a natural rubber producing country (and indeed in almost any country) that we know of, and its value is correspondingly high. It reflects immense hardwork and application of those responsible for the compilation, and we are happy to express our unreserved appreciation."

(Sd/-)
L. BATEMAN

(Note: "International Rubber Study Group" is an intergovernmental organisation comprising 23 member governments. The object of the group is to provide a forum for the discussion of problems affecting the production and consumption of, and trade in, natural and synthetic rubbers, and to collect and disseminate comprehensive statistical information thereon.)

Dr. MOELJONO PARTOSOEDARSO
REGIONAL ADVISER ON RAW MATERIALS
AND COMMODITIES
ESCAP, UNITED NATIONS

BANGKOK
14TH JULY, 1980

'Indian Rubber Statistics (1980)' has been very well and comprehensively prepared. It is certainly a useful publication both for the rubber industry in India as well as to all other rubber producing countries and Members of the ANRPC."

(Sd/-)
MOELJONO PARTOSOEDARSO

"Reliable and dependable statistics is a crying need in this Country. This want is acutely felt in regard to agricultural commodities
Fortunately this is not the case with rubber production
It is a publication which is very expertly brought out".

COMMERCE
OCTOBER 2, 1976

IN RETROSPECT

1. Area, Production and Productivity of Natural Rubber

The year 1996-97 witnessed a surge in the production of natural rubber (NR) in the country. It has set a new record production of 549,425 tonnes during the year, an increase of 8.4% over the previous year. The production is expected to touch a new peak of 590,000 tonnes during 1997-98. The acceleration in production is the result of sustained growth both in area under rubber and productivity. The total area under rubber increased to 533,000 hectares in 1996-97 from 515,500 hectares in 1994-95. Over the years there has been an increase in the area planted with high yielding planting materials. During 1996-97, 95 per cent of the area was planted with high yielding varieties. RR11 105, a clone developed by the Rubber Research Institute of India in the late 70s is the most single popular clone occupying a lion's share of the total mature area in the small holding sector. The productivity measured in terms of yield from unit hectare of tapped area has also registered tremendous growth. The productivity which stood at 1362 kg in 1994-95 increased to 1422 kg in 1995-96 and again to 1503 kg in 1996-97. As a result of the commendable increase in productivity, India occupies the top position among the major rubber producing countries in the world in the matter of productivity.

2. Production of Synthetic Rubber

The production of synthetic rubber (SR) in 1996-97 has declined marginally compared to 1995-96. It came down to 64,563 tonnes from 68,223 tonnes in 1995-96. Its composition in 1996-97 is as follows:

	Tonnes
(1) SBR	41,312
(2) BR	15,547
(3) Other grades.	7,704

The SR industry has utilised only 67% of its capacity during the year.

3. Consumption of Rubber

Consumption of both NR and SR continued to increase during 1996-97 also. The consumption of NR increased to 561,765 tonnes from 525,465 tonnes during 1995-96. However, the growth in consumption dropped to 6.9 per cent from 8.2 per cent realised during the previous year. The growth in consumption of NR by the auto tyre & tube sector alone was 8.1 per cent in 1996-97.

The country earned foreign exchange equivalent to Rs.1217 crores by exporting rubber products. Out of this, the share of automobile tyres and tubes was Rs.790 crores. In the targeted export of Rs.1390 crores worth of goods for 1997-98, Rs.900 crores is expected from the export of tyres and tubes.

The growth in the production and consumption of Natural rubber and Synthetic rubber since 1992-93 is shown in the following table:

Year	Production (Tonnes)			Consumption (Tonnes)		
	NR	SR	Total	NR	SR	Total
1992-93	393,490	57,892	451,382	414,105	108,690	522,795
1993-94	435,160	49,633	484,793	450,480	113,395	563,875
1994-95	471,815	63,681	535,496	485,850	122,710	608,560
1995-96	506,910	68,223	575,133	525,465	143,085	659,550
1996-97	549,425	64,563	613,988	561,765	142,810	704,575

4. Import and Export of Rubber

As per the Export-Import Policy of the Govt. of India for the period from April 1992 to March 1997, NR was included in the 'Restricted Items' of import under the 'Negative List'. Accordingly NR could be imported only against a licence or in accordance

with a Public Notice issued in this behalf. Import of NR was permitted under Advance Licence as an incentive for export of rubber products. NR continues to be in the "Restricted Items" of import under the "Negative List" under the new Export-Import Policy announced for the period from April 1997 to March 2002. Under the new Policy the Value Based Advance Licence (VBAL) has been replaced with Duty Entitlement Pass Book (DEPB) Scheme.

In view of the better availability of NR in the country the Govt. has not issued licence for import of NR during 1996-97. However, 19,770 tonnes was imported under other licences. During 1995-96, 51,635 tonnes of natural rubber was imported against licences issued under government notification for 38,450 tonnes and the balance under Advance Licence / SIL.

Though there are no restrictions on the export of rubber, the quantity exported is only nominal. 1598 tonnes of NR was exported during 1996-97 as against 1130 tonnes during the previous year.

5. Price of Rubber

The benchmark price of natural rubber was last revised by the Government of India on 22nd February 1994 as Rs.2490 per 100 Kg for RSS 4 and Rs.2440 per 100 Kg for RSS 5.

Though the rubber market showed a reasonable degree of stability during the period from April 1996 to October 1996, it started declining from November 1996 onwards. The fall was more since March 1997. The average price of RSS 4 grade sheet rubber at Kottayam market was Rs.4901 per 100 Kg during 1996-97. The downswing in the market price during the year was due to its increased production of NR and slackness in its demand. Besides, the declining prices in the international market had also contributed for the bearish domestic market. In Kuala Lumpur market, the average price of RSS 3, which is regarded by the manufacturers as the import substitute of local RSS 4, was Rs.4788 in April 1996. In July 1996 it came down to Rs.4545 and since then did not register any recovery. The trend in the price of rubber in the domestic market and in the international market was as follows:

Year / Month	Indian Price (Kottayam)	International Price (Kuala Lumpur,
	Rs/100 Kg of RSS 4	Rs/100 Kg of RSS 3
1993	2546	2538
1994	3107	3455
1995	5059	5030
1996	5122	4764
January 1996	5588	5379
February 1996	5249	5500
March 1996	5006	5162
April 1996	5005	4788
May 1996	5252	4932
June 1996	5385	4912
July 1996	5125	4545
August 1996	5033	4409
September 1996	5060	4432
October 1996	5112	4236
November 1996	4898	4467
December 1996	4752	4406
January 1997	4699	4327
February 1997	4286	4306
March 1997	4199	4343
April 1997	3980	4086
May 1997	4483	3920
June 1997	4224	3933
July 1997	3937	3314
August 1997	4298	3256
September 1997	3892	3127
October 1997	3495	3091
November 1997	3389	3026

During 1996-97 the price of synthetic rubber was subjected to unprecedented downward revisions. The average price (Ex-factory price, excluding taxes and duties) of SBR 1502, which was Rs.6212 per 100 Kg during 1995-96, was brought down to Rs.5967 during 1996-97.

6. World Scenario

The world production of NR increased to 63.40 lakh tonnes in 1996 from 60.40 lakh tonnes in 1995. Thailand with 31 per cent share in NR production continued to be the top producer followed by Indonesia (24.3 per cent), Malaysia (17.1 per cent), India (8.5 per cent) and China (6.8 per cent). The world consumption of NR during 1996 was 61.30 lakh tonnes against 60.00 lakh tonnes in 1995. The trend in the world production and consumption of NR and SR is shown below:

Year	Production ('000 tonnes)			Consumption ('000 tonnes)		
	NR	SR	Total	NR	SR	Total
1993	5,300	8,590	13,890	5,440	8,620	14,060
1994	5,710	8,920	14,630	5,680	8,840	14,520
1995	6,040	9,560	15,600	6,000	9,280	15,280
1996	6,340	9,760	16,100	6,130	9,590	15,720

The International Natural Rubber Agreement (INRA) negotiated under the auspices of the United Nations Conference on Trade and Development (UNCTAD) aims at stabilising the international price of rubber at remunerative level through the operation of a buffer stock of NR by the INRO. The third International Natural Rubber Agreement (i.e., INRA 1995), which was adopted in February 1995, came in to force from 6th February 1997.

The International Natural Rubber Council, administering the Agreement, revised the reference price upwards by four per cent from 206.68 to 214.95 Malaysian / Singapore cents/Kg in March 1997. This means that the 'may sell' and 'must sell' levels are 247 cents/Kg and 258 cents/Kg respectively and 'may buy' and 'must buy' levels are 183 and 172 cents/Kg respectively.

Kottayam,
28-11-1997

G.SUBBARAYALU
Joint Director
(Statistics & Planning)

CONNOTATIONS

Holding	:	Unless the contrary is stated, the word means a rubber area contiguous for non-contiguous aggregating 20.23 ha. (50 acres) or less under a single ownership.
Estate	:	Land contiguous or non-contiguous aggregating more than 20.23 ha (50 acres) planted with rubber under a single ownership is treated as "Estate. However, estates/holdings situated in different taluks even if they are under a single ownership are considered separately. In this context, the word owner includes any agent of an owner and a mortgage in possession and a lessee of the area.
Newplanted area	:	Land planted with rubber for the first time.
Replanted area	:	Land planted with rubber by removing the rubber trees planted earlier.
High yielding area	:	Area planted with clonal seedlings and clones (budgrafts) approved by the Rubber Board. It may be stated that till 1970 TJIR-1 clonal planting materials was also included under high yielding varieties. From 1971 onwards this variety is not recommended for planting. So the area under high yielding variety in this publication includes area planted with TJIR-1 variety upto 1970.
Tappable area	:	Area which is estimated to be tappable.
Yield per hectare	:	Average yield per ha. of tappable area.
Manufacturer	:	A manufacturer of rubber goods who has taken out a licence from the Board for acquiring natural rubber.
Dealer	:	One who has taken out a licence from the Board for dealing in natural rubber, holding natural rubber stock. Under the Rubber Act all dealers of natural rubber and all consumers of natural rubber (manufacturers of rubber goods) should take out licence from the Rubber Board.
Natural Rubber	:	Includes the Dry Rubber Content (drc) of all grades and qualities of natural rubber. Quantity under latex also refers to weight of dry rubber content.
Ungraded rubber	:	Small holders, particularly those in the lower area group generally sell their smoked sheet rubber to dealers without grading and packing. This rubber consists of mostly RSS-3,4 and 5 and offgrades. Grading and packing is done usually at the medium/big dealer's level.
Synthetic rubber	:	Includes oil content of oil extended rubber and total solid contents of lattices.
Reclaimed rubber	:	Comprises of both natural and synthetic reclaimed rubber.
P	:	Provisional

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CHARTS AND DIAGRAMS

Area under holdings and estates

Average yield per hectare of rubber

Production of holdings and estates

Production and consumption of natural rubber

Price of indigenous RSS-4 grade

Number of rubber goods manufacturers

Consumption of natural rubber according to end products

Value of rubber products exported

Movement of production indices

World consumption of natural and synthetic rubber

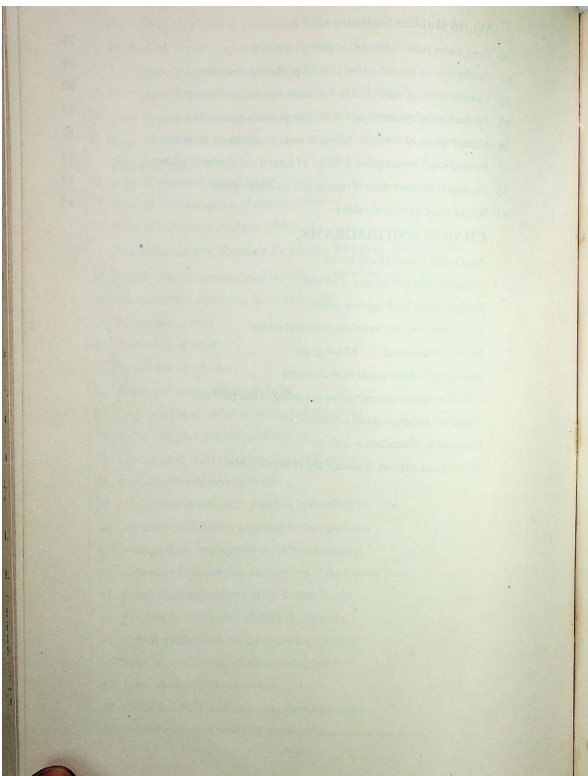


TABLE - I

AREA NEWPLANTED AND REPLANTED WITH RUBBER SINCE 1955-56
(Hectares)

Year	Newplanted	Replanted	Total	Year	Newplanted	Replanted	Total
1955-56	9342	719	10061	1976-77	4882	3172	8054
1956-57	12030	737	12767	1977-78	4770	3645	8415
1957-58	14278	1394	15672	1978-79	8450	4050	12500
1958-59	12605	1874	14479	1979-80	12300	4065	16365
1959-60	9983	1641	11604	1980-81	19308	5476	24784
1960-61	12104	1385	13489	1981-82	18100	4188	22288
1961-62	14485	2446	16931	1982-83	19884	4963	24847
1962-63	13222	2499	15721	1983-84	18805	5641	24446
1963-64	6551	2309	8860	1984-85	22365	5217	27582
1964-65	5800	2692	8492	1985-86	21222	5759	26981
1965-66	4749	4163	8912	1986-87	19856	5563	25419
1966-67	5886	4039	9925	1987-88	19535	6517	26052
1967-68	6614	2905	9519	1988-89	19471	6998	26469
1968-69	6079	1905	7984	1989-90	20175	6854	27029
1969-70	6708	1920	8629	1990-91	15143	7154	22297
1970-71	6655	2089	8744	1991-92	13851	7100	20951
1971-72	3044	1473	4517	1992-93	11000	7200	18200
1972-73	3775	1704	5479	1993-94	9200	6000	15200
1973-74	3975	1576	5551	1994-95	7500	7000	14500
1974-75	4310	2200	6510	1995-96p	7800	7300	15100
1975-76	4561	3099	7660	1996-97p	10400	7500	17900

TABLE - 2

STATEWISE AREA UNDER RUBBER AT THE END OF EACH YEAR

(Hectares)

State	1950-51	51-52	52-53	53-54	54-55	55-56	56-57	57-58	58-59	59-60	60-61
Kerala	70385	70950	71806	72966	76037	80537	91301	104621	116113	124907	135809
Tamilnadu	3025	3126	3205	3351	3594	3917	4289	4646	5092	5715	6256
Karnataka	1415	1415	1435	1455	1476	1503	1578	1589	1594	1619	1659
A&N	110	110	110	110	110	110	171	171	171	171	181
Total	74915	75601	76556	77882	81217	86067	97339	111027	122970	132412	143905
State	1961-62	62-63	63-64	64-65	65-66	66-67	67-68	68-69	69-70	70-71	71-72
Kerala	149015	161110	168542	171209	174561	179194	184647	189125	193783	198424	200474
Tamilnadu	6923	7509	7988	8599	9283	9873	10366	10852	11287	11712	12077
Karnataka	1747	1935	2121	2321	2633	2916	3289	4069	5285	6525	6767
A&N	195	195	195	195	236	277	290	368	468	537	663
Total	157880	170749	176846	182324	186713	192260	198592	204414	210803	217198	219981

A&N : Andaman & Nicobar Islands

TABLE - 2 (Contd.)

Year	1972-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Kerala	202761	205595	208430	211808	215797	219506	226239	236324	253784	269621	287334	303774
Tamilnadu	12677	13108	13439	13776	14049	14345	14585	15260	15513	15740	16020	16240
Karnataka	7059	7470	8090	8585	8736	8790	8815	8861	9004	9227	9502	9973
Tripura	103	223	307	417	574	878	1306	1989	2746	3590	4578	5338
Assam	*	*	102	116	134	152	283	419	568	789	840	929
Meghalaya	*	*	106	141	191	291	628	778	923	1033	1108	1190
Mizoram										170	276	420
Manipur							100	216	216	291	331	331
A&N	740	768	787	810	850	900	900	900	900	900	902	908
Goa	125	153	191	223	262	338	423	464	512	563	604	640
Nagaland												105
Maharashtra												*
Total	223465	227317	231452	235876	240593	245200	253279	265211	284166	301924	321495	339648

* - Refer to less than 100 hectares omitted.

TABLE - 2 (Contn.)

State	1984-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97
Kerala	323303	341506	356421	370079	383562	396467	407821	419174	428864	437138	443300	449000	455566
Tamilnadu	16450	16567	16765	16917	17037	17100	17150	17210	17260	17300	17430	17948	18209
Karnataka	10710	11392	11913	12353	12809	13200	13995	14386	14650	14850	14955	16307	17324
Tripura	6545	7742	10085	12670	14326	16620	17320	17860	18250	18670	19252	20761	21982
Assam	1053	1242	1968	3178	5144	8350	9380	9740	9885	10006	10122	9943	10243
Meghalaya	1266	1410	1831	2509	3229	3350	3466	4058	4350	4521	4550	4105	4345
Nagaland	205	355	525	675	910	1110	1300	1371	1370	1400	1450	1523	980
Mizoram	470	570	620	690	810	900	950	960	960	972	979	913	934
Manipur	335	355	440	515	665	895	1203	1215	1215	1220	1253	1400	1214
A&N	912	919	930	943	948	950	960	964	970	969	960	954	976
Goa	711	773	831	851	861	923	970	978	998	935	936	828	922
Maharashtra	*	*	*	132	137	143	145	150	154	150	91	101	143
Orissa	*	*	*	*	146	191	245	270	270	289	219	242	277
Andhra Pradesh	*	*	*	*	*	*	*	*	*	*	50	50	69
West Bengal	*	*	*	*	*	*	*	*	*	*	*	*	62
Andhra Pradesh	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	361960	382831	402329	421512	440584	460341	475083	488514	499374	508420	515547	524075	533246

* : Up to 1993-94, total area less than 100 hectares omitted.

** : less than 50 hectares omitted.

TABLE - 3

DISTRICT/ STATE/ UNION TERRITORY WISE AREA OF RUBBER UNDER HOLDINGS & ESTATES
(Hectares)

District/ State Union Territory	1960-61			1965-66			1970-71		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	3657	1097	4754	4974	1310	6284	6223	1414	7637
2. Kollam	13335	9888	23223	17347	12152	29499	21116	12338	33454
3. Alappuzha	2195	115	2310	3082	60	3142	3802	60	3862
4. Kottayam	35676	9818	45494	43566	10490	54056	49313	9874	59187
5. Ernakulam	13495	4568	18063	18648	6255	24903	21807	6280	28087
6. Thrissur	1537	5389	6926	2842	5886	8728	3236	5847	9083
7. Palakkad	2471	3640	6111	4441	4810	9251	3237	1906	5143
8. Malappuram							9930	7573	17503
9. Kozhikode	8417	10325	18742	12292	11620	23912	9283	7113	16396
10. Kannur	7583	2603	10186	11483	3303	14786	14664	3428	18092
KERALA	83366	47443	130809	118675	55886	174561	142611	55813	198424
11. Kanyakumari	1736	3878	5614	4036	4805	8841	5117	5922	11039
12. Madurai	11	142	153	10	143	153	10	143	153
13. Nilgiris	84	161	245	84	161	245	86	161	247
14. Coimbatore		221	221		221	221		221	221
15. Salem	23		23	23		23	23		23
16. Tirunelveli							29		29
TAMIL NADU	1854	4402	6256	4153	5130	9283	5265	6447	11712
KARNATAKA	155	1504	1659	182	2451	2633	1924	4801	6725
A & N ISLANDS		181	181		236	236		537	537
Grand Total	90375	53530	143905	123010	63703	186713	149800	67398	217198

TABLE - 3 (Contd.)

Union Territory/ District/State	1975-76			1980-81			1985-86		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
Union Territory	6934	1116	8050	9208	971	10179	17089	964	18053
1. Thiruvananthapuram	21873	12439	34312	28533	12548	41081	18295	9596	27891
2. Kollam							30343	6490	36823
3. Pathanamthitta	3854	60	3914	4222	51	4273	3236	3236	3236
4. Alappuzha	50174	5956	56130	61880	5046	66926	79863	4846	84509
5. Kottayam	10691	5194	15885	15084	4813	19897	26346	4737	31083
6. Idukki	17316	3753	21069	23543	3312	26855	35604	3175	38779
7. Ernakulam	3719	5401	9120	4392	5390	9782	5482	4911	10393
8. Thrissur	6345	2339	8684	9841	2038	11979	14497	1922	16419
9. Palakkad	11416	5952	17368	14491	4833	19324	17631	3770	21401
10. Malappuram	10851	6305	17156	13508	5863	19171	10460	4504	14964
11. Kozhikode							4613	189	4782
12. Wynad	16632	3488	20120	21254	3063	24317	17170	1511	18681
13. Kannur							13418	1074	14492
14. Kasargod									
15. Kanyakumari	159805	52003	211808	206056	47728	253784	293847	47659	341506
Others	6671	6428	13099	6858	8232	15090	8867	7265	16132
TAMIL NADU	153	524	677	120	303	423	132	303	435
KARNATAKA	6824	6952	13776	6878	8635	15513	8999	7568	16567
A & N ISLANDS	2021	6564	8585	2188	6816	9004	4774	6618	11392
TRIPURA	28	389	417	159	2587	2746	1955	5787	7742
ASSAM		116	116		568	568	200	1042	1242
MEGHALAYA		141	141		923	923	25	1385	1410
NAGALAND							60	295	355
MIZORAM							100	470	570
MANIPUR							225	355	570
GOA	9	214	223	40	472	512		548	773
Grand Total	168687	67189	235876	215443	68723	284166	310209	72622	382831

TABLE - 3(Contn.)

District/State/ Union Territory	1990-91			1991-92			1992-93		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	21213	943	22156	23723	943	24666	23930	1008	24939
2. Kollam	22957	9481	32438	23702	9476	33178	24073	9467	33540
3. Pathanamthitta	36611	6261	42872	37738	6116	43854	38885	6045	44930
4. Alappuzha	3350		3350	3420		3420	3470		3470
5. Kottayam	99205	4683	103888	100027	4676	104703	101549	4651	106200
6. Idukki	31166	4379	35545	31663	4309	35972	31851	4388	36239
7. Ernakulam	47991	3172	51163	49031	3145	52176	50154	3139	53293
8. Thrissur	6518	4752	11270	6622	4752	11374	7031	4852	11883
9. Palakkad	19707	1097	20804	21718	1097	22815	22808	1173	23981
10. Malappuram	18745	3875	22620	19665	3784	23649	21232	3513	24745
11. Kozhikode	12255	4395	16650	12450	4300	16750	12812	4279	17091
12. Wynad	4987	48	5035	5102	48	5150	5131	48	5179
13. Kannur	21371	1509	22880	22432	1484	23916	23646	1389	25035
14. Kasargod	16164	986	17150	16565	986	17551	17295	1044	18339
KERALA	362240	45581	407821	374058	46116	419174	383867	44097	428064
15. Kanyakumari	9444	7276	16720	9445	7332	16777	9334	7486	16820
Others	252	178	430	255	178	433	262	178	440
TAMIL NADU	9696	7454	17150	9700	7510	17210	9596	7664	17260
KARNATAKA	7270	6725	13995	7531	6855	14386	7150	6900	14050
A & N ISLANDS	64	896	960	68	896	964	51	919	970
TRIPURA	8162	9158	17320	8675	9185	17860	8535	9715	18250
ASSAM	7154	2226	9380	7489	2251	9740	7611	2274	9885
MEGHALAYA	1018	2448	3466	1160	2898	4058	1784	2566	4350
NAGALAND	520	780	1300	591	780	1371	590	780	1370
MIZORAM	113	837	950	123	837	960	123	837	960
MANIPUR	425	778	1203	437	778	1215	437	778	1215
GOA	422	548	970	405	573	978	425	573	998
MAHARASHTRA	38	107	145	18	132	150	22	132	154
ORISSA	165	80	245	190	80	270	190	80	270
ANDHRA PRADESH	178		178	178		178	178		178
Grand Total	397465	77618	475083	410623	77891	488514	421159	78215	499374

TABLE - 3(Contn.)

Union/Territory	1993-94p			1994-95p			1995-96p			1996-97p		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Tiruvananthapuram	24270	1009	25279	24694	1010	25704	25077	918	25995	25590	883	26473
2. Kollam	24707	3360	34067	25385	9386	34771	26091	9256	35347	26384	9251	35635
3. Pathanamthitta	39904	5953	45857	40223	5699	46122	41095	5968	47063	41311	5956	47267
4. Alappuzha	3517		3517	3543		3543	3573		3573	3615	0	3615
5. Kottayam	103029	4656	107685	103767	4646	108413	105067	4515	109582	105403	4475	109878
6. Idukki	32305	4323	36628	32721	4320	37041	32685	4255	37240	33117	4260	37377
7. Ernakulam	51105	3165	54270	51680	3143	54803	52347	2900	55247	52672	2997	55669
8. Thrissur	7369	4895	12264	7598	4895	12493	7898	4356	12254	8242	4301	12543
9. Palakkad	23600	1173	24773	24255	1173	25428	24939	1092	26031	25766	1091	26857
10. Malappuram	22201	3327	25528	22715	3328	26043	23271	3034	26305	23901	3058	26959
11. Kozhikode	13177	4250	17427	13312	4182	17494	13415	3934	17349	13533	3933	17466
12. Wynad	5169	48	5217	5207	48	5255	5240	62	5302	5401	64	5465
13. Kannur	24590	1358	25948	25815	1358	27173	27175	1245	28420	29204	1252	30456
14. Kasargod	17580	1098	18678	18044	983	19027	18469	623	19292	19135	771	19906
KERALA	392523	4615	437138	398929	44371	443300	406642	12358	449000	413274	42292	455566
15. Kanyakumari	9354	7501	16855	9505	7480	16985	10636	6927	17563	10905	6911	17816
Others	267	178	445	267	178	445	272	113	385	280	113	393
TAMIL NADU	9621	7679	17300	9772	7658	17430	10908	7040	17948	11185	7024	18209
KARNATAKA	7997	6653	14650	8177	6778	14955	9713	6594	16307	10730	6594	17324
ANDHRA PRADESH	50	919	969	31	929	960	109	845	954	131	845	976
GUJARAT	8846	9824	18670	9425	9827	19252	11242	9519	20761	12338	9644	21982
TRIPURA	75500	2456	10006	7653	2469	10122	7807	2336	9943	7987	2356	10243
ASSAM	1802	2719	4521	1823	2727	4550	1087	3018	4105	1174	3171	4345
MEGHALAYA	538	862	1400	589	861	1450	662	861	1523	815	165	980
NAGALAND	442	778	1220	475	778	1253	378	535	913	399	535	934
MIZORAM	362	573	935	363	573	936	682	718	1400	737	477	1214
MANIPUR	18	132	150	31	60	91	42	59	101	84	59	143
GOA	209	80	289	123	219	342	118	124	242	189	78	277
MAHARASHTRA	*	*	*	96	123	219	118	124	242	189	78	277
ORISSA	*	*	*	13	37	50	13	37	50	32	37	69
WEST BENGAL	*	*	*	13	37	50	13	37	50	32	37	69
ARUNACHAL PRADESH	*	*	*	13	37	50	13	37	50	32	37	69
ANDHRA PRADESH	*	*	*	13	37	50	13	37	50	32	37	69
Grand Total	430093	76327	506420	437519	78028	515547	449499	74576	524075	494537	73809	532426

*: Up to 1993-94 statewide total area less than 100 ha. omitted. **: Statewise total area less than 50 ha. omitted.

TABLE - 4

CLASSIFICATION OF HOLDINGS AND ESTATES ACCORDING TO SIZE AT THE END OF EACH YEAR

(Area in hectares)

HOLDINGS

Year	2 ha. & below		Above 2 ha. & upto & including 4 ha.		Above 4 ha.		Total	
	Units	Area	Units	Area	Units	Area	Units	Area
1955-56	26164	20489	1948	5699	1475	12300	29587	38488
1960-61	67836	52340	4660	13981	2878	24054	75374	90375
1965-66	96477	72433	6175	18051	3852	32526	106504	123010
1970-71	114924	82570	9822	25853	5593	41377	130439	149800
1975-76	132957	92386	11386	29235	6406	47066	150749	168687
1980-81	218155	139809	11924	30140	6389	45494	236468	215443
1985-86	394984	238158	11152	28071	6075	43980	412211	310209
1990-91	763022	332401	13100	33149	4465	31915	780587	397465
1991-92	797429	342010	13556	35569	4562	33044	815547	410623
1992-93	824298	351571	13627	36450	4575	33138	842500	421159
1993-94p	845402	359451	13714	37205	4584	33437	863700	430093
1994-95p	862728	365654	13994	37849	4678	34016	881400	437519
1995-96p	892094	375957	14474	39079	4721	34463	911289	449499
1996-97p	912112	384008	14724	40145	4801	35284	931637	459437

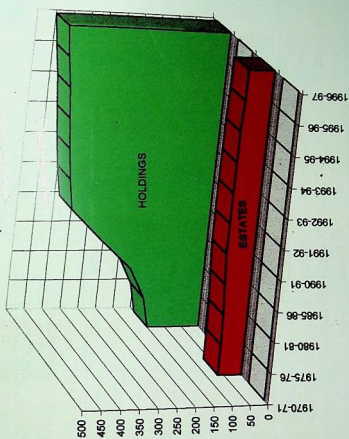
TABLE - 4 (Contn.)

ESTATES

Year	Up to 40 ha.		Above 40 ha & up to 200 ha		Above 200 ha & up to 400 ha		Above 400 ha & up to 600 ha		Above 600 ha & up to 800 ha		Above 800 ha & Above 800 ha		Total	
	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area		
1955-56	209	6781	179	15047	33	9578	15	7513	4	2762	6	5898	446	47579
1960-61	271	7590	216	17812	29	8082	18	8768	5	3437	8	7841	547	53530
1965-66	325	9556	248	20476	30	8551	19	9400	4	2696	10	13024	636	63703
1970-71	309	8771	273	21318	29	8219	20	9966	6	4036	12	15088	649	67398
1975-76	289	8235	242	19332	27	7366	17	8100	9	6138	14	18018	598	67189
1980-81	257	7289	228	18659	25	7481	15	8208	10	6885	17	20201	553	68723
1985-86	137	4320	171	14408	24	7305	18	9046	14	9294	20	28249	384	72622
1990-91	120	3407	130	11348	22	6262	22	11051	17	11415	21	34135	332	77618
1991-92	123	3478	130	11533	22	6217	21	10622	17	11423	21	34618	334	77891
1992-93	126	3543	132	11555	22	6285	21	10649	17	11504	21	34679	339	78215
1993-94p	129	3628	132	11406	22	6280	21	10679	17	11406	21	34928	342	79327
1994-95p	130	3659	132	11377	22	6266	21	10638	17	11230	21	34858	343	78028
1995-96p	114	3286	134	12291	25	7589	19	9835	15	10116	19	31459	326	74576
1996-97p	112	3214	134	12262	25	7610	20	10303	13	8682	19	31738	323	73809

Chart 1

AREA UNDER HOLDINGS AND ESTATES
(^{'000} hectares)



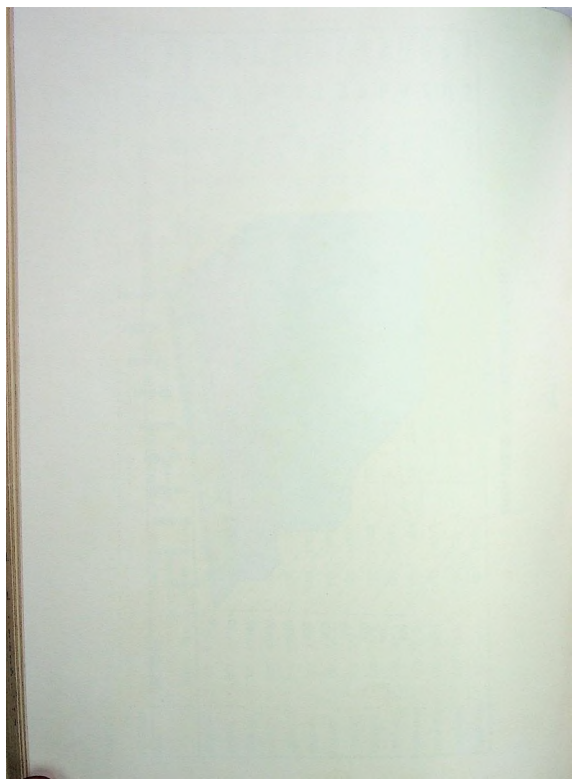


TABLE - 5

AREA UNDER HIGH YIELDING AND UNSELECTED MATERIALS

(Area in hectares)

Year	HOLDINGS			ESTATES			TOTAL		
	High yielding	Unselected	Total	High yielding	Unselected	Total	High yielding	Unselected	Grand Total
1955-56	2844	35644	38488	14874	32705	47579	17718	68349	86067
1960-61	26912	63463	90375	23811	29719	53530	50723	93182	143905
1965-66	53048	69962	123010	39534	24169	63703	92582	94131	186713
1970-71	83030	66770	149800	55397	12001	67398	138427	78771	217198
1975-76	107326	61361	168687	64978	2211	67189	172304	63572	235876
1980-81	169699	45744	215443	68110	613	68723	237809	46357	284166
1985-86	270835	39374	310209	72072	550	72622	342907	39924	382831
1990-91	365315	32150	397465	77228	390	77618	442543	32540	475083
1991-92	379036	31587	410623	77519	372	77891	458555	31959	488514
1992-93	390648	30511	421159	77858	357	78215	468506	30868	499374
1993-94p	402705	27388	430093	77987	340	78327	480692	27728	508420
1994-95p	412876	24643	437519	77689	339	78028	490585	24982	515547
1995-96p	427235	22264	449499	74260	316	74576	501495	22580	524075
1996-97p	439224	20213	459437	73522	287	73809	512746	20500	533246

TABLE - 6

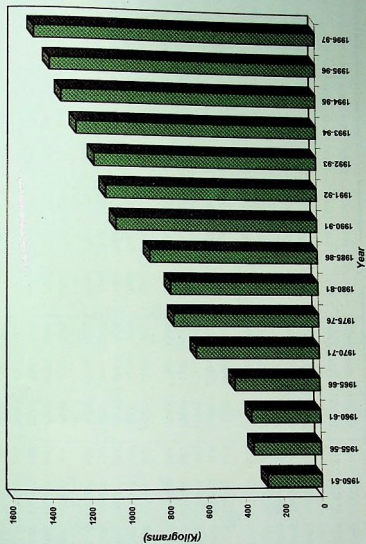
TAPPED AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE IN DIFFERENT STATES

(Area in hectares, production in tonnes and yield per hectare in kilograms)

Year	KERALA			TAMIL NADU			KARNATAKA			OTHERS			TOTAL		
	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield
1955-56	62399	21680	347	3204	1606	501	1444	406	281	134	38	284	67181	23730	353
1956-57	67394	21853	324	3259	1806	554	1449	365	252	134	36	269	72236	24060	333
1957-58	66198	22196	335	3285	1890	578	1449	425	293	110	23	209	71022	24534	345
1958-59	65415	22062	337	3222	1665	517	1506	425	282	110	17	154	70253	24169	344
1959-60	65007	21890	336	3185	1814	570	1506	437	290	110	32	291	69808	24173	346
1960-61	65355	23175	354	3305	2040	617	1483	452	305	110	30	272	70253	25697	365
1961-62	69269	24954	360	3421	2060	602	1501	402	268	110	30	272	74301	27446	370
1962-63	78516	29057	370	3901	2695	691	1527	447	293	110	40	363	84054	32239	384
1963-64	89529	33792	377	4319	3176	735	1487	468	315	171	51	298	95506	37487	393
1964-65	102125	41391	405	4678	3724	796	1407	481	342	171	20	117	108381	45616	420
1965-66	106623	46953	440	4721	3195	677	1365	382	280	-	-	-	112709	50530	448
1966-67	107298	50495	471	4812	3927	816	1390	396	285	-	-	-	113500	54818	483
1967-68	111400	59978	538	4908	4048	825	1395	434	310	24	8	333	117727	64468	548
1968-69	116935	66473	568	4958	4100	827	1365	470	344	24	11	458	123282	71054	576
1969-70	126358	76897	609	5339	4526	848	1386	516	372	24	14	583	133107	81953	616
1970-71	134103	86773	647	5673	4859	857	1374	519	378	26	20	769	141176	92171	653
1971-72	142000	95499	673	5943	5140	865	1336	550	412	28	21	750	149307	101210	678
1972-73	146957	105934	721	6490	5739	884	1465	659	450	50	32	640	154962	112364	725
1973-74	156384	117221	750	7480	7036	943	1710	856	501	80	40	800	165604	125153	756
1974-75	160956	121558	755	7982	7523	942	1861	1012	544	80	50	625	170879	130143	762

Chart 2

AVERAGE YIELD PER HECTARE



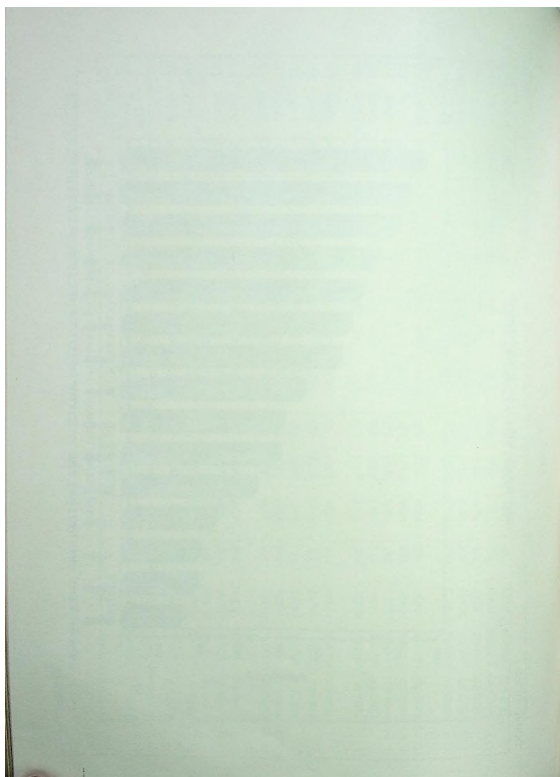


TABLE - 6 (Contn.)

Year	KERALA			TAMIL NADU			KARNATAKA			OTHERS			TOTAL		
	Tapped area	Production	Yield	Tapped area	Production	Yield	Tapped area	Production	Yield	Tapped area	Production	Yield	Tapped area	Production	Yield
1975-76	167742	128789	768	8257	7631	924	2392	1282	536	89	68	764	178462	137750	772
1976-77	173737	139349	802	8952	8535	953	2715	1667	614	190	81	426	185594	149632	806
1977-78	177890	135907	764	8890	9015	1003	3910	1959	501	216	106	491	191006	146987	770
1978-79	177085	123677	698	8952	9367	1046	3893	2100	539	400	153	383	190330	135297	711
1979-80	178890	136609	764	9195	9108	990	4012	2537	632	457	216	473	192554	148470	771
1980-81	179980	140320	780	9700	10446	1077	4004	2128	531	561	206	367	194245	153100	788
1981-82	181180	139435	770	9912	10510	1060	4344	2608	600	775	319	412	196211	152870	779
1982-83	184340	152662	828	10035	9700	967	4360	3070	704	977	418	428	198712	165850	830
1983-84	187720	162212	864	10600	9736	918	5200	2785	536	1000	547	547	204520	175280	857
1984-85	193290	172092	890	10700	10603	991	5385	3095	577	1164	660	567	210519	186450	886
1985-86	205780	184563	897	10580	11025	1044	5610	4090	729	1397	787	563	223347	200465	898
1986-87	218750	202129	924	10970	11755	1071	5935	4855	818	1409	781	554	237064	219520	926
1987-88	229940	216562	942	11549	12470	1080	6120	5253	858	1491	912	612	249100	235197	944
1988-89	246660	239414	967	11600	13370	1153	6281	6222	991	1562	1166	746	266103	259172	974
1989-90	266714	275397	1025	11835	14085	1188	6500	6475	996	2011	1363	678	289060	297300	1029
1990-91	284960	307521	1079	11873	13645	1149	6957	6665	958	2623	1784	680	306413	329615	1075
1991-92	301360	343109	1139	12180	13975	1147	7370	7260	985	3630	2401	661	324540	366745	1130
1992-93	306539	368648	1203	12110	14250	1177	7872	7910	1005	3979	2682	674	330500	393490	1191
1993-94	313416	408311	1304	12215	14720	1205	8410	8626	1026	4509	3503	777	338550	435160	1285
1994-95	318965	442830	1389	12550	15065	1200	9175	9700	1057	5590	4220	756	346265	471815	1362
1995-96p	328812	474555	1443	12420	17335	1396	9530	10275	1078	5682	4745	835	356444	506910	1422
1996-97p	335400	512756	1529	12730	18505	1454	9760	11160	1143	7690	7004	911	365580	549425	1503

TABLE - 7

MONTHWISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

Months	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
April	14880	11020	17030	20550	23590	25245	26520	30870	31860	35300	38315
May	19850	21450	25850	26740	20570	30710	31630	34845	39275	37210	44890
June	13560	12660	14815	16280	18310	20310	22880	25300	26560	28660	36140
July	13725	14585	14070	16685	20520	20650	23835	26285	27610	32540	35610
August	16020	15190	13970	22955	25260	28240	26815	35150	36210	39475	40545
September	20780	24480	13540	28445	34850	39470	34980	46450	46930	48260	51360
October	24535	27535	32890	29160	37965	39940	39695	41360	52660	53040	55110
November	25545	27387	34650	34430	37885	41635	45100	47475	53330	58815	63150
December	26775	29240	36340	37330	39840	43235	54240	52490	54650	62660	64820
January	22265	26120	27727	32210	35650	38690	44805	47750	51211	55990	60125
February	9735	12050	12480	15700	16265	17880	20550	22090	23790	25085	27590
March	11850	13480	15810	16735	18910	20740	22440	25085	27710	28875	31570
Total	219520	235197	259172	297300	329615	366745	393490	435160	471815	506910	549425

TABLE - 8

GRADEWISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

Grade	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97p
RSS	148640	162815	177625	207180	236530	263220	281335	315535	342775	373455	396160
Latex Concentrates(drc)	26245	27688	32478	36910	39440	43425	46245	48810	52655	59695	61550
Solid Block Rubber	8500	11246	15354	17160	16980	25870	27107	31240	40390	41110	51960
Pale Latex	2950	2112	2440	2409	2725	2900	2608	2985	2790	2310	2020
Crepes											
Others	33185	31336	31275	33641	33940	31330	36195	36590	33205	30340	37735
Total	219520	235197	259172	297300	329615	366745	393490	435160	471815	506910	549425

TABLE - 9

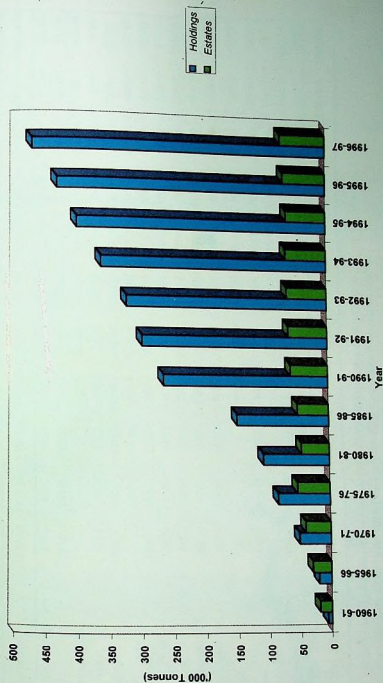
PRODUCTION OF HOLDINGS AND ESTATES

(Tonnes)

Year	Holdings	Estates	Total	Year	Holdings	Estates	Total
1955-56	6450	17280	23730	1980-81	107700	45400	153100
1960-61	6528	19169	25697	1981-82	109160	43710	152870
1965-66	20424	30106	50530	1982-83	117789	48061	165850
1966-67	24165	30653	54818	1983-84	125912	49368	175280
1967-68	30215	34253	64468	1984-85	136335	50115	186450
1968-69	36312	34742	71054	1985-86	149673	50792	200465
1969-70	43785	38168	81953	1986-87	168195	51325	219520
1970-71	51538	40633	92171	1987-88	181710	53487	235197
1971-72	57630	43580	101210	1988-89	204000	55172	259172
1972-73	66247	46117	112364	1989-90	239400	57900	297300
1973-74	75331	49822	125153	1990-91	268500	61115	329615
1974-75	79260	50883	130143	1991-92	302700	64045	366745
1975-76	84616	53134	137750	1992-93	327500	65990	393490
1976-77	93848	55784	149632	1993-94	367950	67210	435160
1977-78	94135	52852	146987	1994-95	405900	65915	471815
1978-79	88767	46530	135297	1995-96p	436500	70410	506910
1979-80	103210	45260	148470	1996-97p	475000	74425	549425

Chart 3

PRODUCTION OF HOLDINGS AND ESTATES



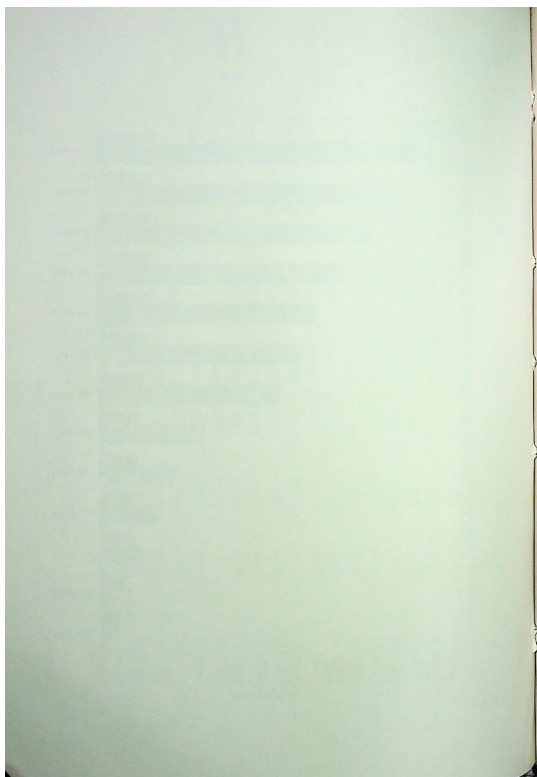


TABLE-10

DISTRICTWISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

District/State	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
Thiruvananthapuram	3581	5223	5933	8475	15513	19782	21465	23457	25437	27298	29046
Kollam	16141	24185	25561	19807	26951	29623	31346	34315	36773	38821	41160
Pathanamthitta	--	--	--	16245	34264	38691	41902	45616	49924	52974	56894
Alappuzha	1713	2409	2771	2722	2140	2470	2538	2804	2973	3135	3386
Kottayam	26907	34021	36132	50134	82852	89895	96650	105198	113225	120946	129871
Idukki	--	10187	11140	15611	26638	29248	31721	34286	36540	38356	40712
Ernakulam	11907	12292	13929	19419	37586	43308	47324	53395	58206	62159	66604
Thrissur	5700	7190	6739	6079	9108	10152	10592	12639	13790	15513	17615
Palakkad	1466	3816	4516	7150	12531	15312	15788	18389	20414	22571	25275
Malappuram	6451	9132	10571	11419	14855	16266	18246	20269	22330	24430	27405
Kozhikkode	7656	10076	10730	8602	12769	14031	14413	16743	18124	19490	20640
Wynad	--	--	--	1635	2357	2426	2575	2740	2879	3015	3217
Kannur	5251	10238	12298	9841	16808	18304	19482	22196	24506	26876	30559
Kasarode	--	--	--	7424	13149	13601	14606	16264	17709	18971	20372
Kerala	86773	128769	140320	184563	307521	343109	388648	408311	442930	474555	512766
Outside Kerala	5398	8981	12780	15902	22094	23636	24842	26849	28985	32355	36669
Grand Total	92171	137750	153100	200465	329615	366745	393490	435180	471815	506910	549425

Note : Wynad District was formed in November 1980 from Kozhikkode and Kannur Districts.
 Pathanamthitta District was formed in November 1982 from Kollam & Alappuzha Districts.
 Kasargode District was formed in May 1984 from Kannur District.

TABLE - 11

MONTHWISE IMPORT OF NATURAL RUBBER

(Tonnes)

Month	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
April	3509	6091	9837	12063	10614	2953	1597	1548	762	940	1021
May	13766	8340	14792	2287	7759	1195	791	2894	723	820	1619
June	10594	6921	7380	1550	8096	2153	3240	1122	84	3290	1584
July	12602	9798	6823	7706	2598	827	2738	2868	691	12301	3156
August	1724	9553	3440	1498	4718	1543	740	3031	914	16654	1531
September	27	263	764	1312	5977	1347	3798	1655	1460	5658	1057
October	649	456	1384	825	1794	472	1321	1105	1196	1754	876
November	78	2378	625	1858	1143	937	695	756	33	6562	727
December	212	681	4036	433	2013	583	469	946	248	231	1927
January	191	2220	4750	935	1281	604	516	392	806	810	1573
February	1432	3285	1606	5492	1132	780	996	360	405	1443	1819
March*	572	3759	4298	8486	1888	1676	983	3263	771	1172	2880
Total	45356	53685	59835	44445	49013	15070	17884	19940	8093	51635	19770

* : Including year end adjustment.

TABLE - 12

GRADEWISE IMPORT OF NATURAL RUBBER

(Tonnes)

GRADE	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97P
RSS-1	225	38	108	398	304	308	129	--	144	334	109
RSS-2	36	361	377	--	--	--	155	65	--	81	20
RSS-3	32778	38954	40218	36759	37407	10213	13395	14547	5248	26985	9080
RSS-4	131	204	28	351	184	1186	1328	382	--	6787	1885
RSS-5	--	--	--	--	--	--	--	--	--	1287	2598
Latex	19	--	--	26	718	1397	626	2274	769	683	863
Block }											
Rubber }	12011	14128	18966	6790	9827	1695	1986	2383	1932	15061	4977
EBC-2X	--	--	--	--	294	--	--	--	--	--	27
Pale Latex)											
Crepe }	156	--	138	121	279	271	265	289	--	417	211
Total	45356	53685	59835	44445	49013	15070	17884	19940	8093	51635	19770

TABLE - II

MONTHWISE IMPORT OF NATURAL RUBBER

(Tonnes)

Month	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
April	3509	6091	9937	12063	10614	2953	1597	1548	762	940	1021
May	13766	8340	14792	2287	7759	1195	791	2894	723	820	1619
June	10594	6921	7380	1550	8096	2153	3240	1122	84	3290	1584
July	12602	9738	6823	7706	2598	827	2738	2868	691	12301	3156
August	1724	9553	3440	1498	4718	1543	740	3031	914	16654	1531
September	27	263	764	1312	5977	1347	3798	1655	1460	5658	1057
October	649	456	1384	825	1794	472	1321	1105	1196	1754	876
November	78	2378	625	1858	1143	937	695	756	33	6562	727
December	212	681	4036	433	2013	583	469	946	248	231	1927
January	191	2220	4750	935	1281	604	516	392	806	810	1573
February	1432	3285	1606	5492	1132	780	996	360	405	1443	1819
March*	572	3759	4298	8486	1888	1676	983	3263	771	1172	2880
Total	45356	53685	59835	44445	49013	15070	17884	19940	8093	51635	19770

* : Including year end adjustment.

TABLE - 12

GRADEWISE IMPORT OF NATURAL RUBBER

(Tonnes)

GRADE	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97 p
RSS-1	225	38	108	398	304	308	129	--	144	334	109
RSS-2	36	361	377	--	--	--	155	65	--	81	20
RSS-3	32778	38954	40218	36759	37407	10213	13395	14547	5248	26985	9080
RSS-4	131	204	28	351	184	1186	1328	382	--	6787	1885
RSS-5	--	--	--	--	--	--	--	--	--	1287	2598
Latex	19	--	--	26	718	1397	626	2274	769	683	863
Block }											
Rubber }	12011	14128	18966	6790	9827	1695	1966	2383	1932	15061	4977
EBC-2X	--	--	--	--	294	--	--	--	--	--	27
Pale Latex }											
Crepe }	156	--	138	121	279	271	265	289	--	417	211
Total	45356	53685	59835	44445	49013	15070	17884	19940	8093	51635	19770

TABLE-13

MONTHWISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Months	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
April	20645	21920	26365	26780	29040	29385	33250	36025	37745	41770	45030
May	21730	22475	25805	27980	29215	29910	32150	35875	38330	41525	45955
June	20960	22360	26270	27795	29350	29820	33115	37730	39280	41140	46530
July	20870	23935	25250	27430	31040	30515	33795	38270	39720	43455	49360
August	21170	22880	25475	27530	29420	31320	33995	36650	39850	43265	47525
September	20865	21965	25565	28765	29140	31850	33450	34380	39985	41250	47350
October	19675	21735	24975	27645	30335	31660	34280	36820	38705	43855	45060
November	21095	25870	26555	30360	31405	32410	35585	38200	40220	46480	46050
December	23615	27815	28320	29650	31585	34175	35920	41450	43940	45650	48260
January	22685	25885	26370	29180	31530	32410	36780	38635	44070	45485	47400
February	21725	25190	25850	28255	30870	32960	35565	38160	41655	44410	45045
March	22270	25450	27030	30470	31380	33735	36220	38285	42350	47180	47200
Total	257305	287480	313830	341840	364310	380150	414105	450480	485850	525465	561765

TABLE - 14

GRADEWISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Grade	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97(p)
RSS	176605	200420	216550	240895	261780	272605	298090	332720	353730	383280	415220
Estate Brown Crepe	28268	30991	29796	36365	30367	32515	32205	28300	30940	27923	31750
Latex Concentrate(drc)	25875	28190	30420	36790	39865	42370	48600	52185	53985	57995	56255
Pale Latex Crepe & Sole Crepe	3192	2877	2325	2710	3307	3240	3075	3035	3085	2828	2380
Solid Block Rubber	22145	24080	33730	23750	27700	27855	30730	32560	42345	52205	55060
Others	1220	922	1009	1330	1291	1565	1405	1680	1765	1236	1100
Total	257305	287480	313830	341840	364310	380150	414105	450480	485850	525465	561765

TABLE - 15

STOCK OF NATURAL RUBBER WITH GROWERS, DEALERS AND MANUFACTURERS
AT THE END OF EACH MONTH
 (Tonnes)

Months	1987-88				1988-89				1989-90			
	G & D	M	STC	T	G & D	M	STC	T	G & D	M	STC	T
April	31005	19810	7140	57955	32290	27070	5336	64696	24055	22025	28969	75049
May	38015	22670	4450	65135	34630	29262	15648	79540	27305	22450	26379	76134
June	33130	22920	6272	62322	32015	30960	12488	75463	21325	22660	22266	66251
July	33285	23565	5600	62450	25180	25920	20005	71105	20835	20670	20199	61704
August	32170	26905	4407	63482	23065	24950	15025	63040	25325	21670	14209	61204
September	36950	24700	4607	66257	20310	22470	8100	50880	29075	24365	8533	61973
October	50660	17890	3840	72390	33195	25550	1428	60173	32840	23250	8078	64168
November	50430	20865	3840	75135	38620	29200	1072	68892	36775	25185	8078	70038
December	50015	23740	3840	77595	41375	33515	6055	80945	41550	28720	8078	78348
January	48430	25955	5754	80139	43325	32480	11247	87052	42280	31975	8078	82333
February	34930	28340	7012	70282	33130	28995	13132	75257	34120	30515	10631	75266
March	29590	28950	5561	64101	26095	26165	17019	69279	25460	27360	16796	69616

Note: G - Growers, D - Dealers & Processors, M - Manufacturers, STC-State Trading Corporation of India, T- Total
 Stock with manufacturers includes stock in transit as well as imported rubber

Table - 15 (Contn.)

Months	1990-91				1991-92				1992-93			
	G & D	M	STC	T	G & D	M	STC	T	G & D	M	STC	T
April	25550	25185	24251	74986	28245	32240	24591	85076	24140	22785	24919	71844
May	26860	26600	21108	74568	31045	31370	24591	87006	27990	23780	21199	72969
June	23730	28790	19632	72152	25980	28555	24591	79126	26695	26550	9605	62850
July	23475	26965	13923	64363	23165	22275	24591	70031	26340	25340	3414	55094
August	26165	25760	13281	65206	25725	23690	18968	68383	27490	20710	1699	49899
September	35100	23750	16891	75741	33200	25200	18935	77335	34430	19040	659	54129
October	40410	27940	16891	85241	43315	23360	19378	86053	41885	19340	486	61711
November	50015	25965	16891	92871	49640	26175	20215	96030	48990	22370	486	71846
December	55720	30720	16891	103331	56245	26565	23200	106010	66160	24290	486	90936
January	59295	33580	16891	109766	57800	26430	28461	112691	74205	24735	486	99426
February	42225	35795	18341	96361	38510	25325	34140	97975	59605	25575	486	84666
March	30230	34045	22155	86430	26185	25980	29083	81248	42930	27725	486*	71141

* Stock disposed in December 93.

No procurement / import by STC since then except commercial.

Table - 15 (Contn.)

Months	1993-94			1994-95			1995-96			1996-97		
	G & D	M	T	G & D	M	T	G & D	M	T	G & D	M	T
April	39340	29200	68540	39120	32780	71900	29105	34615	63720	51210	46130	97340
May	40510	30840	71350	42905	30670	73575	31245	28510	59755	56470	41430	97900
June	31585	29740	61325	31115	29735	60950	28310	23960	52270	46040	43410	89450
July	26480	26100	52580	25895	23475	49370	29995	22800	52795	40175	38540	78715
August	32070	21690	53760	30085	16180	46265	35575	28490	64065	43900	29010	72910
September	48010	20580	68590	35255	19305	54560	51605	30960	82565	50600	27300	77900
October	50805	23500	74305	48990	21505	70495	62830	31500	94330	59120	29100	88220
November	62300	22365	84665	59055	24520	83575	71745	37365	109110	70750	35070	105820
December	71515	24915	96430	62935	31125	94060	78110	49240	127350	85860	37570	123430
January	77370	28540	105910	59770	41205	100975	81640	57125	138765	93500	43095	136595
February	56865	33045	89910	41240	42290	83530	66445	53935	120380	82590	38095	120685
March	42125	34890	77015	27490	42060	69550	50960	52230	103190	69860	37450	107310

TABLE - 16

MONTHWISE PRODUCTION OF SYNTHETIC RUBBER

(Tonnes)

Months	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
April	2402	3003	3624	3609	3840	4082	4646	4090	4391	3615	4069
May	3354	2952	4585	4042	4352	4046	5144	2973	4359	4801	5635
June	3309	2756	3664	4860	4519	4619	4446	3879	5664	6415	4323
July	2993	3662	4795	4935	5240	4469	3691	4057	5803	7118	6370
August	1932	4530	3735	4296	3673	5412	5354	3088	6278	7137	5872
September	3586	4144	4350	2915	4095	4973	5574	4746	5343	4402	4325
October	3040	3029	5145	5006	4717	5266	5730	2878	3401	5975	3286
November	3357	4270	4990	4555	4810	4472	2231	5423	6133	5021	6123
December	3286	4201	4574	5284	5971	5064	4563	5410	6927	6626	5770
January	3779	2418	5142	4971	5547	5555	5185	5766	6245	5301	7347
February	3824	4888	4711	3800	5085	5216	5677	4781	4557	5666	5690
March	3974	4615	5074	5209	5444	4552	5651	2542	4580	6146	5753
Total	38816	44468	54389	53482	57293	57726	57892	49633	63681	68223	64563

TABLE - 17

GRADEWISE PRODUCTION OF SYNTHETIC RUBBER (Tonnes)

Grade	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
SBR-1502	5124	8098	12075	9988	11962	8962	8099	4620	9289	11608	9897
SBR-1712	6280	6753	8325	8228	8745	8458	5406	1646	5425	7645	6265
SBR-1958	10361	13395	17131	18835	19808	21027	21355	22667	21773	17704	22313
Latex(drc)*	308	1008	1141	1326	1501	1902	1908	2153	3044	3389	4064
Nitrile	421	708	67	--	--	--	3108	2592	2614	2837	2832
Polybutadiene	15411	14488	15650	15105	15277	17365	17377	14728	19320	21442	15547
EPDM	--	--	--	--	--	--	2	1170	2194	3598	3597
Others	911	18	--	--	--	12	637	57	22	--	48
Total	38816	44468	54389	53482	57293	57726	57892	49633	63681	68223	64563

* includes SBR Latex, VP Latex and Nitrile Latex.

TABLE - 18

GRADEWISE CONSUMPTION OF SYNTHETIC RUBBER

(Tonnes)

Grade	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
Styrene buta- diene rubber @	31925	33420	39095	40945	45225	44035	45985	46310	48850	51920	54424
Polybutadiene	19735	20925	22920	24630	27115	27430	29875	31580	36195	38700	42033
Butyl	11243	12392	13790	18765	20884	21793	20051	21819	22782	24645	26845
Polychloroprene	1375	1987	2080	2568	2941	3065	3173	3187	3162	3795	3852
Nitrile	1866	2915	2960	3031	3580	3573	3848	3949	4148	4790	4880
Latex(drc)	2516	2345	2400	2455	3442	3570	3485	3593	3955	4320	4740
EPDM	..	..	..	..	..	680	815	1457	2018	3200	3400
Others*	3125	2426	905	1156	1548	1504	1458	1500	1600	2715	2636
Total	71785	76410	84150	93550	104735	105650	108690	113395	122710	134085	142810

* : Include unclassified rubber also.

@ : Include SBR latex.

TABLE-19

STOCK OF SYNTHETIC RUBBER AT THE END OF EACH MONTH

(Tonnes)

Months	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
April	14920	14340	12625	15700	15150	16560	11155	14680	14070	14700	17710
May	16345	14815	12900	16920	16280	15385	11515	16850	14495	14485	17370
June	17305	14120	12950	17730	15800	14750	11070	18380	15955	14810	16470
July	18100	13500	14175	17600	15900	13125	11490	17920	16050	16110	15995
August	17500	14540	13525	17010	15500	13600	11350	15675	17420	17500	16400
September	17050	15125	13920	15930	14200	12770	11340	16890	16930	16300	15285
October	16800	14135	15250	16800	14000	12270	13160	14900	15190	16820	14340
November	17300	13020	15550	16650	17010	11690	12430	16790	16120	17195	15480
December	16330	13340	16075	17150	18780	11620	13200	16400	17190	17400	17420
January	16165	11860	16045	17800	19650	12380	12960	16790	18200	16380	19960
February	16440	13170	17010	16900	19100	12485	14480	16825	17235	16100	21150
March	15100	13245	17000	15500	19500	11470	12390	14665	20285	18760	20150

TABLE - 20

PRODUCTION, IMPORT, CONSUMPTION AND EXPORT OF RECLAIMED RUBBER

(Tonnes)

Year	Production	Import	Consumption	Export
1960-61	2000*	3024	5453	--
1965-66	9500	179	9774	--
1970-71	15507	--	14348	259
1971-72	16710	--	15772	692
1972-73	17186	--	14666	1076
1973-74	18644	--	17784	1268
1974-75	19360	--	18096	1050
1975-76	19581	--	19342	141
1976-77	20256	--	20957	973
1977-78	21817	--	21681	1282
1978-79	27618	--	26330	1045
1979-80	26786	--	25660	953
1980-81	29336	--	26850	1127
1981-82	28787	--	28160	896
1982-83	28242	--	29190	520
1983-84	32964	--	30690	524
1984-85	34155	--	34625	446
1985-86	39195	--	38215	201
1986-87	38995	--	38635	188
1987-88	40535	--	41140	278
1988-89	40960	--	42450	699
1989-90	47615	--	46300	752
1990-91	53629	--	52500	985
1991-92	54185	--	54015	573
1992-93	61490	--	62470	379
1993-94	62780	--	63110	810
1994-95	64425	--	64655	1928
1995-96	65780	--	65775	2078
1996-97p	66670	--	66585	3306

*: Approximate.

Source: For Import and export data upto 1990-91, "Monthly Statistics of Foreign Trade of India", published by Govt. of India & Chemicals and Allied Products Export Promotion Council.

TABLE-21

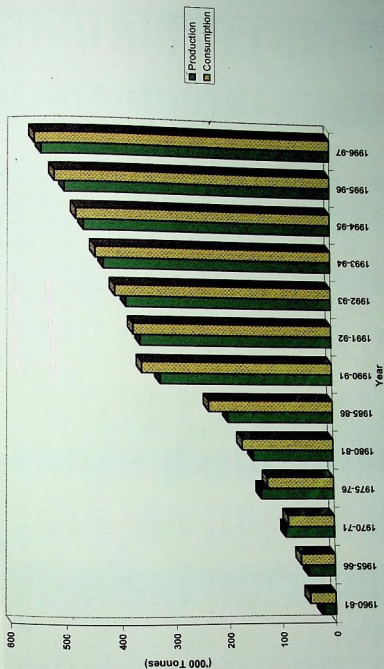
(Tonnes)

PRODUCTION, IMPORT, EXPORT AND CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER

Year	PRODUCTION			IMPORT			EXPORT	CONSUMPTION		
	Natural	Synthetic	Total	Natural	Synthetic	Total		Natural	Synthetic	Total
1955-56	23730		23730	4428	1201	5629	12	28445	461	28906
1956-57	24060		24060	7341		10475	81	29998	2866	32864
1957-58	24534		24534	11357	3014	14371		33074	3161	36235
1958-59	24169		24169	12538	4229	16767		35767	3477	39244
1959-60	24173		24173	15287	5718	21005		40491	4964	45455
1960-61	25697		25697	23125	8097	31222		48148	7397	55545
1961-62	27446		27446	22528	10121	32649		48410	10186	58596
1962-63	32239		32239	23360	10297	33657		53553	10723	64276
1963-64	37487	8075	45562	26275	8812	35087		61155	11959	73114
1964-65	45616	11633	57249	15003	3315	18318		61057	15285	76342
1965-66	50530	14741	65271	16357		19092		63765	21553	85318
1966-67	54818	22358	77176	23544	5606	29150		68685	23592	92277
1967-68	64468	19942	84410	9551	3127	12678		74518	23324	97842
1968-69	71054	25868	96922	8548	2909	11457		86615	27238	113853
1969-70	81953	28689	110642	17821	4736	22557		86213	30636	116849
1970-71	92171	29791	121962	2469	5014	7483		87237	33160	120397
1971-72	101210	32911	134121	437	5627	6064		96454	37209	133663
1972-73	112364	21832	134196	380	6044	6424		104028	33913	137941
1973-74	125153	23542	148695	52	5609	5661	2700	130302	23921	154223
1974-75	130143	17712	147855		6939	6939	350	132604	24376	156980

Chart 4

PRODUCTION AND CONSUMPTION OF NR





T ABLE-21(Contn.)

Year	PRODUCTION			IMPORT			EXPORT			CONSUMPTION		
	Natural	Synthetic		Total	Natural	Synthetic		Total	Natural	Synthetic		Total
1975-76	137750	25119	162869	6391	7812	12296	6391	7812	125692	32452	158144	
1976-77	149632	23212	172844	7812	9935	11078	7812	9935	137623	34955	172578	
1977-78	146987	27288	174275	9935	144967	11078	9935	144967	144967	36150	181117	
1978-79	135297	28054	163351	14750	13309	28059	14750	13309	164524	40470	204984	
1979-80	148470	29524	177994	32200	17314	49514	32200	17314	165245	43238	208483	
1980-81	153100	25293	178393	9250	17492	26742	9250	17492	173630	47050	220680	
1981-82	152870	28499	181369	42750	29659	72409	42750	29659	188420	52650	241070	
1982-83	163850	30290	194140	33401	24394	57795	33401	24394	195545	55250	250795	
1983-84	175280	32270	207550	35940	23287	59227	35940	23287	209480	62300	271780	
1984-85	186450	37669	224119	37461	30248	67709	37461	30248	217510	65400	282910	
1985-86	200465	34758	235223	41431	39086	80517	41431	39086	237440	70035	307475	
1986-87	219520	38916	258436	45356	32600	77956	45356	32600	257305	71785	329090	
1987-88	235197	44468	279665	53685	30100	83785	53685	30100	287480	76410	363890	
1988-89	259172	54389	313561	59835	33950	93785	59835	33950	313830	84150	397980	
1989-90	297300	53482	350782	44445	39000	83445	44445	39000	341840	93550	435390	
1990-91	329615	57293	386908	49013	51715	100728	49013	51715	364310	104735	469045	
1991-92	366745	57726	424471	15070	39210	54280	15070	39210	380150	105650	485800	
1992-93	393490	57892	451382	17884	47362	65246	17884	47362	414105	108690	522795	
1993-94	435160	49633	484793	19940	64338	84278	19940	64338	450480	113395	563875	
1994-95	471815	63681	535496	8093	73860	81953	8093	73860	485850	122710	608560	
1995-96p	506910	68223	575133	51635	71735	123370	51635	71735	525465	134085	659550	
1996-97p	549425	64563	613988	19770	79640	99410	19770	79640	561765	142810	704575	

TABLE - 22
TOTAL STOCK OF NATURAL AND SYNTHETIC RUBBER WITH PRODUCERS,
DEALERS AND MANUFACTURERS AT THE END OF EACH MONTH
(Tonnes)

Month	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
April	72290	77325	90750	90140	101635	83000	83220	85970	78420	115050
May	79950	92440	93050	90850	102390	84485	88200	88070	74240	115270
June	76440	88410	83980	87950	93875	73920	79705	76805	67080	105920
July	75950	85280	79305	80285	83155	66585	70500	65420	68905	94710
August	78020	78565	78200	80705	81985	61250	69435	63685	81585	89310
September	81385	64800	77900	89940	90105	65470	85480	71490	98865	93185
October	86525	75420	80970	99240	98320	74870	89205	85685	111150	102560
November	88155	84440	86690	109880	107720	84275	101455	99695	126305	121300
December	90935	97020	95500	122110	117630	104135	112830	111250	144750	140850
January	92000	103095	94130	129415	125070	112385	122700	119175	155145	158555
February	83450	92270	92165	115460	110460	99145	106735	100765	136480	141835
March	77345	86280	85110	105930	92720	83430	97680	89835	121950	127460

TABLE - 23

**PRODUCTION,IMPORT,CONSUMPTION AND STOCK OF
NATURAL RUBBER AND SYNTHETIC RUBBER**
(Tonnes)

NATURAL RUBBER

Year	Production	Import	Total	Export	Consumption	Excess(+) or deficiency(-) compared wit consumption	Stock at the end of the period
1965-66	50530	16357	66887		63765	+ 3122	16573
1966-67	54818	23544	78362		68685	+ 9677	25978
1967-68	64468	9551	74019		74518	- 499	25348
1968-69	71054	8548	79602		86615	- 7013	18222
1969-70	81953	17821	99774		86213	+13561	31778
1970-71	92171	2469	94640		87237	+ 7403	39109
1971-72	101210	437	101647		96454	+ 5193	44277
1972-73	112364	380	112744		104028	+ 8716	52957
1973-74	125153	52	125205	2700	130302	-7797	45160
1974-75	130143		130143	350	132604	-2811	42349
1975-76	137750		137750		125692	+12058	53759
1976-77	149632		149632	12296	137623	-287	53085
1977-78	146987		146987	11078	144967	-9058	44027
1978-79	135297	14750	150047		164524	-14477	29515
1979-80	148470	32200	180670		165245	+15425	44910
1980-81	153100	9250	162350		173630	-11280	33700
1981-82	152870	42750	195620		188420	+ 7200	39700
1982-83	165850	33401	199251		195545	+ 3706	43400
1983-84	175280	35940	211220		209480	+ 1740	45150
1984-85	186450	37461	223911		217510	+ 6401	51550
1985-86	200465	41431	241896		237440	+ 4456	55360
1986-87	219520	45356	264876		257305	+ 7571	62700
1987-88	235197	53685	288882		287480	+ 1402	64100
1988-89	259172	59835	319007		313830	+ 5177	69280
1989-90	297300	44445	341745		341840	- 95	69610
1990-91	329615	49013	378628		364310	+14318	86430
1991-92	366745	15070	381815	5834	380150	- 4169	81250
1992-93	393490	17884	411374	5999	414105	- 8730	71140
1993-94	435160	19940	455100	186	450480	+ 4434	77015
1994-95	471815	8093	479908	1961	485850	- 7903	69550
1995-96	506910	51635	558545	1130	525465	+ 31950	103190
1996-97p	549425	19770	569195	1598	561765	+ 5832	107310

TABLE - 23 (Contn.)

SYNTHETIC RUBBER

Year	Production	Import	Total	Consumption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the period
1965-66	14741	2735	17476	21553	- 4077	4875
1966-67	22358	5606	27964	23592	+ 4372	8819
1967-68	19942	3127	23069	23324	- 255	8358
1968-69	25868	2909	28777	27238	+ 1539	9751
1969-70	28689	4736	33425	30636	+ 2789	12548
1970-71	29791	5014	34805	33160	+ 1645	13994
1971-72	32911	5627	38538	37209	+ 1329	15323
1972-73	21832	6044	27876	33913	- 6037	9286
1973-74	23542	5609	29151	23921	+ 5230	14500
1974-75	17712	6939	24651	24376	+ 275	13878
1975-76	25119	6391	31510	32452	- 942	12445
1976-77	23212	7812	31024	34955	- 3931	9090
1977-78	27288	9935	37223	36150	+ 1073	10443
1978-79	28054	13309	41363	40470	+ 893	10700
1979-80	29524	17314	46838	43238	+ 3600	15200
1980-81	25293	17492	42785	47050	- 4265	10900
1981-82	28499	29659	58158	52650	+ 5508	16200
1982-83	30290	24394	54684	55250	- 566	15700
1983-84	32270	23287	55557	62300	- 6743	8980
1984-85	37669	30248	67917	65400	+ 2517	11650
1985-86	34758	39086	73844	70035	+ 3809	14470
1986-87	38816	32600	71416	71785	- 369	15100
1987-88	44468	30100	74568	76410	- 1842	13245
1988-89	54389	33950	88339	84150	+ 4189	17000
1989-90	53482	39000	92482	93550	- 1068	15500
1990-91	57293	51715	109008	104735	+ 4273	19500
1991-92	57726	39210	96936	105650	- 8714	11470
1992-93	57892	47362	105254	108690	- 3436	12390
1993-94	49633	64338	113971	113395	+ 576	14665
1994-95	63681	73860	137541	122710	+ 14831	20285
1995-96	68223	71735	139958	134085	+ 5873	18760
1996-97p	64563	79640	144203	142810	+ 1393	20150

TABLE - 24

STATEWISE CONSUMPTION OF ALL KINDS OF RUBBER

(Tonnes)

State/Union Territory	1965-66			1970-71			1975-76		
	Natural	Synthetic	Reclaimed	Natural	Synthetic	Reclaimed	Natural	Synthetic	Reclaimed
Andhra Pradesh	+	+	+	+	+	+	+	+	+
Delhi	1076	66	25	1167	1956	199	2251	4168	591
Goa & Daman	+	+	+	+	+	+	+	268	78
Gujarat	882	70	5	957	1192	161	1398	2138	447
Haryana				4475	2439	193	7107	11110	698
Karnataka	242	72	52	366	631	609	1598	1920	953
Kerala	3353	517	293	4163	6739	1798	8917	9268	1062
Maharashtra	16018	5886	1809	23713	19696	9897	32824	28400	10668
Punjab	4555*	1901*	95*	6651*	2277	206	2752	5743	227
Rajasthan	+	+	+	+	+	+	+	+	+
Tamilnadu	9889	2768	1188	13845	17548	5966	26142	20900	4140
Uttar Pradesh	444	32	17	493	1160	153	1372	9672	1365
West Bengal	27091	10234	6290	43615	30988	11634	7015	49637	27300
Others	215	7	0	222	575	98	74	1590	534
Total	63765	21553	9774	95092	87237	33160	14348	134745	125692
								32452	19342
									177486

* : Including Haryana

+ : Included in others.

TABLE - 24 (Contd.)

State/Union Territory	1980-81			1985-86			1990-91					
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	2223	250	186	2659	4538	901	439	5878	8907	2594	1743	13244
Delhi	6311	1372	1071	8754	10209	1654	552	12415	15613	3747	1804	21164
Goa & Daman	2409	350	55	2814	4180	1683	162	6025	6214	1501	667	8382
Gujarat	3034	560	583	4177	4962	780	293	6035	6889	1402	1021	9312
Haryana	14974	4421	1548	20943	18780	7025	925	26730	22728	7106	1373	31207
Karnataka	5770	1944	699	8413	11670	5119	1912	18701	16978	6602	2267	25847
Kerala	19283	4673	2293	26249	28341	5896	3375	37612	55365	15232	5015	75612
Madhya Pradesh	+	+	+	+	920	297	24	1241	4120	1040	1151	6311
Maharashtra	33119	11678	5748	50545	37351	14966	6550	58867	47219	21370	8729	77318
Punjab	13232	1565	2463	17260	27172	3845	10637	41654	46158	3735	12917	62810
Rajasthan	5482	2448	59	7989	12259	3623	207	16089	17936	6932	567	25435
Tamilnadu	17050	4961	2472	24483	19097	7340	3150	29587	21213	11254	4428	36895
Uttar Pradesh	22578	4601	2057	29236	29458	6889	4523	40870	46795	11396	5870	64061
West Bengal	27414	7771	7571	42756	27538	9091	5445	42074	42292	9635	4794	56721
Others	751	456	45	1252	965	926	21	1912	5883	1189	154	7226
Total	173630	47050	26850	247530	237440	70035	38215	345690	364310	104735	52500	521545

+: Included in others.

NOTE: In 1976-76 consumption of rubber by M/S MRF Ltd. at their Kottayam unit was included in Tamil Nadu, but from 1980-81 onwards it is included in Kerala.

TABLE - 24 (Contn.)

State/Union Territory	1991-92			1992-93			1993-94					
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	13992	3865	2282	20139	15003	5124	2692	22819	14997	5673	2610	23280
Bihar	1037	229	73	1339	985	242	181	1408	1095	242	185	1522
Delhi	16322	3696	1875	21893	17201	3571	2200	22972	18810	3172	1711	23693
Goa & Daman	7914	1235	549	9698	10533	1375	609	12517	9434	2008	591	12033
Gujarat	8386	1339	1051	10776	15618	2851	1650	20119	20303	3457	1677	25437
Haryana	24641	6593	1679	32913	27198	6554	2085	35837	31133	6591	1891	39615
Karnataka	18486	6459	2466	27411	19598	6689	3222	29509	21061	6755	3739	31555
Kerala	51197	14893	4853	70943	52462	15646	5365	73473	54108	16441	5333	75882
Madhya Pradesh	5290	1246	1754	8290	9579	1954	1839	13372	12675	2500	1895	17070
Maharashtra	49321	20904	9360	79585	49174	20923	9707	79804	51976	21328	9725	83029
Orissa	3599	1607	57	5263	9308	3500	225	13033	10980	4154	221	15355
Pondicherry	3692	1021	91	4804	3720	1022	36	4778	3871	1070	35	4976
Punjab	51571	5025	13295	69891	53763	4859	15808	74430	55374	5494	16252	77120
Rajasthan	17968	6265	473	24706	22395	6385	517	29287	23358	6173	503	30034
Tamilnadu	20402	9294	4195	33891	22003	7786	4566	34355	25270	8088	4654	38012
Uttar Pradesh	47448	11934	5389	64771	44962	10218	6486	61666	52897	10716	6783	70396
West Bengal	38338	10030	4558	52926	38485	9942	5251	53878	40554	9481	5268	55303
Others	546	15	15	576	2118	49	31	2198	2584	52	37	2673
Total	380150	105650	54015	539815	414105	108690	62470	585285	450480	113395	63110	626985

TABLE - 24(Contin.)

State/Union Territory	1994-95			1995-96			1996-97					
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	18321	6121	2982	27424	19015	6573	3115	28703	18728	7416	3302	29446
Bihar	1019	264	196	1479	1151	341	206	1698	1250	454	191	1895
Delhi	18719	2581	1848	23148	19819	2749	1868	24436	17981	2611	1689	22281
Goa & Daman	8908	2311	368	11587	11689	2606	530	14825	22682	3007	485	26174
Gujarat	21833	3690	1709	27232	24245	4058	1715	30018	30230	5181	1752	37163
Haryana	29022	7481	1806	38309	31194	8270	1775	41239	31526	8165	1805	41496
Karnataka	22332	7200	4292	33824	24285	7294	4324	35903	23268	7482	4541	35291
Kerala	64660	18984	6100	89744	75200	22727	6232	104159	67144	24575	5968	97687
Madhya Pradesh	14733	2504	1998	19235	19183	3124	2045	24352	20914	3967	1816	26697
Maharashtra	58618	22947	9952	91517	62840	24899	9673	97412	62608	24675	9434	96717
Orissa	12673	4138	222	17033	16893	4141	430	21464	18137	4378	405	22920
Pondicherry	1562	609	40	2211	3067	816	42	3925	3081	887	40	4008
Punjab	58008	5515	15128	78651	62028	5993	15230	83251	68750	6793	16591	92134
Rajasthan	24997	6526	498	32021	22249	6056	546	28851	30079	7993	592	38664
Tamilnadu	25882	10602	4779	41263	25844	10657	4793	41294	37884	12019	4890	54793
Uttar Pradesh	62120	12550	7435	82105	65134	14265	7891	87290	63860	13977	7627	85464
West Bengal	41168	8627	5272	55067	39908	9449	5314	54671	42105	9153	5407	56665
Others	1275	60	30	1365	1721	67	46	1834	1538	77	50	1665
Total	485850	122710	64655	673215	525465	134085	65775	725325	561765	142810	66585	771160

TABLE - 25

VALUE OF RUBBER IMPORTED FROM VARIOUS COUNTRIES

('000 Rs)

Natural Rubber

Country	1975-76	1978-79	1980-81	1982-83	1984-85	1986-87	1987-88	1988-89
Malaysia	..	112616	35437	137357	271982	345150	584553	822277
Singapore	39	..	61252	52337	1993	10730	13376	30174
Sri Lanka	..	27764	..	19189	6014	3418	1357	11753
U. S. A	12	..	587	55	237	264	927	10942
Canada	488	..	117	..	..	..	..	..
U. K	70	1	96	186	9	26	2174	4499
Germany(FR)	..	12	38	164	31	1472	889	2360
France	546	..	110	318	968	2237	8476	11779
Belgium	1039	..	..	76	..	..	..	208
Others	582	8	2409	49046	48843	78163	52129	49394
Total	2776	140401	100046	258728	330077	441460	663881	943386

Country	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
Thailand	38262	..	112017	218084	259836	84153	906974	331804
Malaysia	519178	472748	123021	133422	167271	125420	1141140	325100
Singapore	70333	164155	21929	7000	15385	12348	317905	82858
Sri Lanka	8480	8867	32107	91844	103048	7205	214590	216554
U. S. A	21	3409	1081	641	..	304	17276	4706
Canada	..	..	..	..	..	..	7117	..
U. K	273	1153	1	158	..	..	4539	..
Germany(FR)	7	..	..	..	..	2	11565	..
France	221	..	..	28	..	2675	7155	..
Belgium	..	3235	..	..	..	..	3487	..
Others	38143	108724	5282	15280	3269	40009	152675	43350
Total	674918	762291	295438	466457	548809	272116	2784423	1004372

TABLE - 25(Contn.)

Synthetic and Reclaimed Rubber*

Country	1975-76	1978-79	1980-81	1982-83	1984-85	1986-87	1987-88	1988-89
U.S.A	8584	20907	53923	68064	58432	35621	84325	90787
Canada	6324	8449	10502	92	17438	44866	17092	3318
Germany(FR)	6184	17431	15050	13482	50265	40634	42646	45047
U. K	1259	2417	2459	6242	8905	18423	17634	48010
France	4901	9785	12116	29244	50292	50328	42734	37831
Netherlands	728	174	997	9792	2401	2302	4206	7204
Belgium	26272	31030	38268	79912	70462	68287	92255	143336
Japan	10744	49542	42232	123514	202354	270249	188833	300382
Others	166	1788	13787	50248	81649	101872	50955	109204
Total	65162	141523	189334	380580	542198	633182	540680	785719

Country	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
U.S.A	99865	169848	123707	238822	217630	194740	342214	379592
Canada	26	14845	14896	117143	71829	49011	142302	149857
Germany(FR)	73340	103365	119447	189774	173442	300791	315298	356867
U. K	46762	57240	40868	44267	82534	82574	70279	125816
France	59026	147074	156016	218208	309474	519020	673397	944163
Netherlands	14931	21230	22291	24557	11774	12488	23384	41510
Belgium	203476	280916	231714	269887	308577	464586	290710	522586
Japan	380650	443534	582715	675105	1166497	1152812	1387977	1365998
Others	181639	258998	232091	362392	530076	667196	1164116	1418305
Total	1058715	1497050	1523745	2140155	2870833	3443218	4409677	5304694

* including waste and scrap of unhardened rubber

Source: "Monthly Statistics of Foreign Trade of India", published by the Government of India.

TABLE-26

PRICE OF UNGRADED NATURAL RUBBER

(Rs. per 100 kg. in Kottayam market)

Month	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
April	1580	1706	1802	1714	1839	2170	1994	2327	2469	2514	5350	4897
May	1651	1706	1797	1721	1978	2195	2014	2417	2532	2645	5698	4964
June	1655	1620	1725	1693	2233	2349	2005	2541	2618	2685	5729	5051
July	1692	1586	1799	1726	2410	2133	2009	2428	2567	2882	4793	4783
August	1706	1552	1730	1776	2309	1880	2018	2465	2511	3112	3982	4653
September	1678	1501	1705	1838	1942	2013	1959	2547	2375	3517	4064	4617
October	1672	1496	1697	1825	1844	1894	1916	2589	2271	3350	4153	4529
November	1625	1505	1643	1699	1823	1888	1882	2332	2199	3033	4219	4338
December	1616	1508	1636	1674	1943	1885	1903	2225	2311	3574	5243	4272
January	1669	1585	1733	1699	2115	1947	1898	2256	2414	3894	5124	4224
February	1672	1649	1714	1764	2103	1968	1912	2469	2470	4501	5068	4057
March	1714	1709	1731	1809	2146	1954	2194	2442	2508	5042	4865	3991
Average	1661	1592	1726	1745	2057	2023	1975	2420	2437	3396	4874	4531

TABLE - 27

PRICE OF DIFFERENT GRADES OF NATURAL RUBBER

(Rs. per 100 kg in Kottayam Market)

Month	RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBC-2X	LATEX (60% drc)
April 1985	1688	1649	1627	1608	1584	1449	2525
May "	1819	1814	1766	1729	1696	1582	2606
June "	1846	1784	1748	1723	1674	1592	2726
July "	1876	1850	1790	1746	1715	1643	2756
August "	1918	1869	1805	1775	1725	1656	2814
September "	1935	1890	1839	1781	1701	1611	2757
October "	1945	1918	1823	1785	1718	1619	2593
November "	1857	1835	1797	1772	1662	1599	2532
December "	1886	1850	1745	1716	1660	1558	2572
January 1986	1883	1825	1756	1729	1686	1581	2613
February "	1847	1810	1736	1694	1682	1612	2533
March "	1845	1805	1744	1726	1717	1630	2544
Average	1862	1825	1765	1732	1685	1594	2631
April 1986	1815	1795	1771	1734	1723	1625	2565
May "	1905	1830	1765	1738	1714	1579	2550
June "	1813	1760	1748	1680	1650	1570	2645
July "	1790	1730	1705	1669	1584	1542	2560
August "	1795	1742	1722	1686	1591	1524	2470
September "	1732	1702	1652	1605	1532	1463	2309
October "	1713	1684	1645	1584	1517	1336	2281
November "	1719	1680	1648	1591	1519	1323	2245
December "	1701	1680	1639	1598	1529	1345	2115
January 1987	1705	1675	1655	1633	1594	1275	2100
February "	1784	1762	1729	1675	1654	1304	2182
March "	1833	1810	1768	1729	1710	1393	2377
Average	1775	1738	1704	1660	1610	1440	2367
April 1987	1885	1865	1840	1816	1802	1403	2349
May "	1930	1910	1885	1847	1797	1535	2680
June "	1900	1875	1857	1821	1725	1520	2612
July "	1935	1915	1900	1860	1799	1564	2665
August "	1910	1890	1870	1816	1730	1550	2623
September "	1860	1825	1790	1750	1705	1543	2534
October "	1870	1830	1800	1753	1697	1555	2496
November "	1910	1850	1795	1746	1643	1500	2594
December "	1920	1875	1800	1743	1685	1430	2556
January 1988	1960	1905	1845	1788	1754	1500	2631
February "	1930	1885	1820	1778	1735	1475	2745
March "	1925	1872	1805	1768	1746	1460	2780
Average	1911	1875	1834	1791	1735	1503	2605

TABLE -27(Contd.)

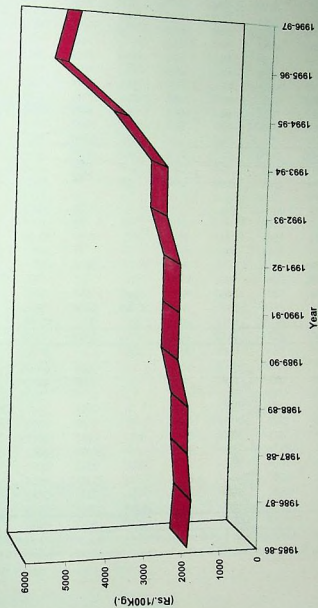
Month	RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBC-2X	LATEX	ISNR-2
April 1988	1900	1840	1800	1762	1735	1460	2872	1735
May "	1900	1845	1800	1776	1750	1475	2893	1751
June "	1895	1842	1800	1786	1725	1485	2900	1736
July "	1930	1885	1850	1828	1755	1510	3000	1762
August "	1990	1940	1920	1894	1826	1545	3025	1821
September "	2006	1972	1939	1904	1862	1590	3160	188C
October "	1990	1958	1925	1902	1856	1593	3315	188C
November "	1903	1868	1827	1792	1699	1510	3320	1747
December "	1885	1845	1791	1757	1674	1492	3211	172C
January 1989	1873	1833	1781	1755	1699	1465	3232	174C
February "	1868	1834	1809	1789	1764	1490	3239	180C
March "	1889	1875	1855	1834	1809	1545	3207	186C
Average	1919	1878	1841	1815	1763	1513	3114	1787
April 1989	1920	1904	1884	1858	1839	1570	3056	1885
May "	2150	2095	2050	2020	1978	1655	3079	2015
June "	2402	2349	2319	2284	2233	1922	3061	2265
July "	2658	2620	2575	2538	2410	2221	3551	245C
August "	2632	2599	2545	2509	2309	2199	3633	233C
September "	2085	2065	2055	2047	1942	1950	3211	1995
October "	2050	1975	1920	1902	1844	1795	3008	1912
November "	2131	2044	1982	1933	1823	1753	3005	1885
December "	2190	2125	2048	2007	1943	1804	2968	2015
January 1990	2308	2258	2234	2163	2115	1969	3113	2155
February "	2308	2265	2212	2135	2103	1988	3129	2117
March "	2334	2297	2246	2175	2146	2017	3181	2125
Average	2264	2216	2173	2131	2057	1904	3166	2096
April 1990	2356	2301	2264	2213	2170	2048	3281	2165
May "	2375	2328	2300	2266	2195	2143	3466	2180
June "	2575	2535	2515	2408	2349	2296	4176	2319
July "	2428	2360	2338	2282	2133	2195	4412	2220
August "	2200	2150	2078	2027	1880	1913	4456	1915
September "	2267	2217	2155	2104	2013	1945	4431	1900
October "	2210	2138	2070	2025	1938	1870	4689	1893
November "	2103	2057	2030	1980	1920	1771	4747	1895
December "	2119	2066	2031	1981	1916	1730	4471	1925
January 1991	2190	2142	2108	2047	1988	1729	4191	1960
February "	2242	2207	2146	2096	2024	1773	4085	1972
March "	2245	2204	2143	2114	2027	1799	4120	1985
Average	2276	2225	2182	2129	2046	1934	4210	2027

TABLE -27(Contd.)

Month		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBC-2X	LATEX (60% drc)	ISNR-20
April	1991	2247	2203	2154	2113	2042	1826	4183	1980
May	"	2206	2181	2145	2115	2075	1804	4147	2015
June	"	2213	2183	2136	2115	2061	1841	4227	2030
July	"	2318	2273	2227	2166	2079	1849	4335	2005
August	"	2431	2384	2335	2285	2188	1853	4329	2020
September	"	2363	2305	2239	2174	2107	1810	3994	2002
October	"	2310	2250	2173	2115	2015	1700	3625	1925
November	"	2300	2240	2143	2112	2037	1650	3316	1910
December	"	2209	2158	2103	2083	2040	1639	3053	1930
January	1992	2220	2142	2097	2075	2040	1603	2993	1957
February	"	2211	2161	2099	2069	2040	1605	3052	1950
March	"	2394	2341	2300	2268	2245	1706	2996	2139
Average		2285	2235	2179	2141	2081	1741	3688	1989
April	1992	2472	2441	2415	2397	2322	1953	3201	2354
May	"	2642	2595	2525	2470	2453	2033	4167	2423
June	"	2840	2778	2723	2680	...	2254	4447	2628
July	"	2691	2660	2598	2542	2453	2155	4075	2464
August	"	2704	2671	2619	2577	2479	2159	3642	2510
September	"	2927	2849	2813	2764	2589	2184	3526	2576
October	"	2988	2906	2855	2793	2639	2212	4104	2648
November	"	2856	2754	2710	2583	2403	2090	4271	2458
December	"	2635	2585	2451	2332	2263	1967	4312	2278
January	1993	2624	2538	2410	2363	2298	2007	4332	2320
February	"	2735	2666	2613	2562	2508	2255	4530	2466
March	"	2750	2668	2656	2534	2488	2178	4540	2486
Average		2739	2676	2616	2550	2446	2121	4096	2468
April	1993	2764	2686	2608	2552	2514	2220	4340	2485
May	"	2831	2731	2664	2606	2564	2276	4340	2522
June	"	2970	2885	2800	2737	2688	2346	4664	2647
July	"	2906	2813	2738	2681	2606	2365	4581	2596
August	"	2894	2794	2733	2668	2593	2380	4459	2568
September	"	2795	2695	2625	2564	2448	2319	4470	2437
October	"	2643	2543	2468	2390	2327	2175	4456	2342
November	"	2655	2555	2479	2412	2308	2095	4397	2239
December	"	2725	2625	2550	2484	2349	2103	4304	2331
January	1994	2765	2665	2593	2546	2454	2201	4314	2416
February	"	2838	2738	2688	2593	2553	2310	4399	2542
March	"	2844	2744	2694	2599	2545	2247	4349	2540
Average		2803	2706	2637	2569	2496	2253	4423	2472

Chart 5

**PRICE OF INDIGENOUS PSS-4 GRADE
(In Kottayam Market)**



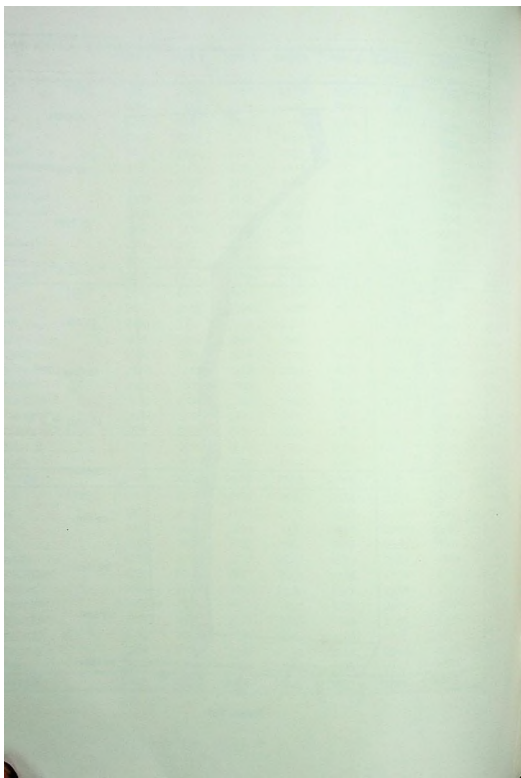


TABLE -27/(Contd.)

Month		RSS 1	RSS 2	RSS 3	RSS 4	RSS 5	EBC-2X	LATEX	ISNR-20
(60% drc)									
April	1994	2855	2755	2705	2621	2577	2253	4240	2550
May	"	2967	2838	2775	2749	2674	2358	4365	2661
June	"	3115	3050	2940	2851	2751	2442	4440	2729
July	"	3175	3095	NT	3014	2949	2577	4376	2871
August	"	3950	3800	3793	3559	3289	2732	4469	3074
September	"	4508	4363	4300	4148	3888	2810	4655	3474
October	"	3831	3550	3475	3548	3411	2883	5100	3489
November	"	3657	3405	3228	3219	3172	2902	4922	3127
December	"	4275	4175	4075	3841	3768	3213	5000	3515
January	1995	4688	4600	4467	4273	4088	3801	5680	3913
February	"	5104	5040	4777	4637	4545	4274	6333	4680
March	"	5486	5474	5297	5195	5091	4871	7143	5087
Average		3968	3845	3803	3638	3517	3093	5061	3431
April	1995	5803	5650	5605	5441	5415	5269	7690	5477
May	"	6633	NT	NT	6047	5966	5683	8420	5889
June	"	6674	NT	NT	6171	5731	5677	9197	5801
July	"	5768	NT	NT	5231	5065	4974	8293	4960
August	"	4921	NT	NT	4295	4116	3815	6558	3758
September	"	4800	4500	4225	4197	4121	3681	6476	3939
October	"	5354	NT	NT	4694	4350	3934	7550	4110
November	"	5493	5350	NT	4925	4461	4146	8038	4176
December	"	6082	NT	NT	5598	5390	4852	8902	5140
January	1996	6171	5880	5800	5588	5347	5063	8456	5350
February	"	5788	5500	5400	5249	5148	4846	7509	5123
March	"	5613	5500	5300	5006	4948	4775	7090	4990
Average		5758	5397	5266	5204	5010	4726	7848	4893
April	1996	5566	NT	5250	5005	4970	4747	6852	4925
May	"	5583	5350	NT	5252	5066	4914	7047	5020
June	"	5935	5650	NT	5385	5243	5062	7623	5285
July	"	5675	5450	NT	5125	5004	4876	6718	4940
August	"	5549	5200	NT	5033	4920	4738	6270	4695
September	"	5472	5350	NT	5060	4814	4585	6229	4700
October	"	5467	5380	5200	5112	4773	4397	6429	4570
November	"	5358	5200	NT	4898	4624	4248	6218	4262
December	"	5203	5125	5000	4752	4466	3951	5841	4128
January	1997	5219	NT	NT	4699	4424	3909	5750	4300
February	"	4840	4520	NT	4286	4202	3822	5295	4078
March	"	4703	4650	4600	4199	4135	3799	4783	4038
Average		5381	5188	5013	4901	4720	4421	6255	4578

Note: RMA-1X, RMA-1, RMA-2, RMA-3, RMA-4 and RMA-5 are changed to RSS-1X, RSS-1, RSS-2, RSS-3,

RSS-4 and RSS-5 respectively vide Gazette Notification No. G.S.R. 561(E) dated 5th July 1994,

issued by Ministry of Commerce, Govt. of India.

NT - No Transaction

TABLE - 28

AVERAGE PRICE OF INDIGENOUS SYNTHETIC RUBBER
(Rs. per 100 kg)

Year	Styrene butadiene (Ex-Bareilly price)		Poly butadiene (Ex-Baroda Price)	
	1500/1502	1712	1958	1203/1220
1963-64	417	371		
1964-65	392	343	565	
1965-66	385	340	565	
1966-67	424	379	604	
1967-68	445	400	641	
1968-69	515	465	680	
1969-70	493	443	680	
1970-71	440	390	680	
1971-72	440	390	680	
1972-73	440	390	680	
1973-74	427	377	614	
1974-75	902	732	1226	
1975-76	779	720	1370	
1976-77	813	763	1378	
1977-78	855	805	1420	
1978-79	909	858	1440	853
1979-80	1222	1134	1732	976
1980-81	1507	1317	2019	1224
1981-82	1729	1542	2130	1414
1982-83	1833	1634	2210	1477
1983-84	1853	1651	2226	1477
1984-85	2086	1808	2382	1698
1985-86	2350	2110	2736	1928
1986-87	2517	2285	2915	2072
1987-88	2600	2380	3107	2180
1988-89	2886	2654	3368	2246
1989-90	3280	2820	3690	2505
1990-91	4010	3700	4340	2903
1991-92	4899	4536	5177	3632
1992-93	5184	4824	5463	4000
1993-94	5181	4770	5389	4200
1994-95	4764	4269	5494	4200
1995-96	6212	5629	7105	6048
1996-97	5967	5375	7000	6071

Note: The prices are exclusive of excise duty and other taxes.

Source: M/s. Synthetics & Chemicals Ltd and Indian Petro Chemicals Corporation Ltd.

TABLE - 29

DISTRIBUTION OF MANUFACTURERS ACCORDING TO THEIR TOTAL CONSUMPTION OF RUBBER

Consumption Group	1970-71				1975-76			
	No. of Manufacturers		CONSUMPTION (In Tonnes)		No. of Manufacturers		CONSUMPTION (In Tonnes)	
			Natural	Synthetic Reclaimed			Natural	Synthetic Reclaimed
A	847	2168	445	173	1097	5133	671	486
B	280	5862	1210	415	503	12127	1819	1030
C	62	3407	1173	399	135	9178	1597	628
D	68	9577	3270	1666	84	13425	3646	2168
E	13	6138	1802	1953	10	4830	824	1450
F	11	60085	25260	9742	15	80999	23895	13580
Total	1281	87237	33160	14348	1844	125692	32452	19342
								177486

Consumption Group	1980-81				1985-86			
	No. of Manufacturers		CONSUMPTION (In Tonnes)		No. of Manufacturers		CONSUMPTION (In Tonnes)	
			Natural	Synthetic Reclaimed			Natural	Synthetic Reclaimed
A	1696	4202	597	496	1955	7951	1356	774
B	817	17016	2831	2116	1318	25805	4108	3792
C	159	9944	2901	2431	241	14356	4951	3030
D	112	17783	5834	3830	201	32821	13340	5157
E	18	9674	2731	1771	21	8263	4106	3203
F	24	115011	32156	16206	33	148244	42174	22259
Total	2826	173630	47050	26850	3769	237440	70035	38215
								345690

Note:-Regarding Consumption Group, see page 49.

TABLE - 29(Contin.)

Consumption Group	No. of Manuf-cturers	1990-91 CONSUMPTION (In Tonnes)			No. of Manuf-cturers	1991-92 CONSUMPTION (In Tonnes)		
		Natural		Reclaimed		Natural		Reclaimed
		Total	Synthetic	Total		Total	Synthetic	Total
A	2686	11023	3199	1625	15847	2549	11206	2601
B	1639	38447	11043	5724	55214	1936	42177	9694
C	335	19062	5810	3503	28375	412	23313	6959
D	291	56490	18640	10570	85700	273	48163	20993
E	34	18892	4731	1840	25463	40	22428	5365
F	43	220396	61312	29238	310946	39	232863	60038
Total	5028	364310	104735	52500	521545	5249	380150	105650
								54015
								539815

Consumption Group	No. of Manuf-cturers	1992-93 CONSUMPTION (In Tonnes)			No. of Manuf-cturers	1993-94 CONSUMPTION (In Tonnes)		
		Natural		Reclaimed		Natural		Reclaimed
		Total	Synthetic	Total		Total	Synthetic	Total
A	2483	11147	2303	2056	15506	2340	12870	2374
B	1988	45288	8585	6795	60688	2026	45384	8679
C	463	28177	6482	5752	40411	468	29091	6664
D	295	49343	20232	18102	87677	420	60373	20504
E	35	21477	5418	2773	29668	48	27591	5350
F	38	258673	65670	26992	351335	44	275171	69824
Total	5302	414105	108690	62470	585265	5346	450480	113395
								63110
								626985

Note:—Regarding Consumption Group, see page 49.

TABLE - 29(Contin.)

Consumption Group	No. of Manufacturers	1994-95 CONSUMPTION (In Tonnes)			No. of Manufacturers	1995-96 CONSUMPTION (In Tonnes)		
		Natural	Synthetic	Total		Natural	Synthetic	Total
A	2260	10489	2151	1468	2421	13025	2400	1716
B	2155	45569	8474	6773	2184	50100	9578	7076
C	480	30269	5939	5608	489	32485	6763	5805
D	418	62427	21910	19636	380	70324	23782	19737
E	49	27564	4695	3484	51	29005	4275	3731
F	46	309532	79541	27686	47	330526	87287	27710
Total	5408	465850	122710	64655	5572	525465	134085	65775

Consumption Group	No. of Manufacturers	1996-97 CONSUMPTION (In Tonnes)		
		Natural	Synthetic	Total
A	2412	13713	2653	1538
B	2206	56118	10864	7089
C	504	33495	7013	5810
D	368	77442	24962	18391
E	49	25135	5158	3381
F	49	955862	92120	30376
Total	5588	561765	142810	66585

Note:—A 10 tonnes and below, B above 10 tonnes and upto and including 50, C above 50 tonnes and upto and including 100, D above 100 tonnes and upto and including 500, E above 500 tonnes and upto and including 1000, F above 1000 tonnes.

TABLE - 30

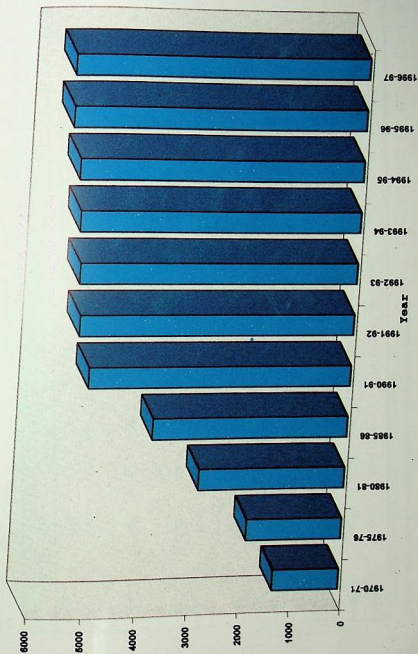
NUMBER OF LICENSED MANUFACTURERS IN DIFFERENT STATES AT THE END OF EACH YEAR

State/ Union Territory	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
Kerala	119	221	391	599	816	853	909	891	880	947	994
Maharashtra	230	280	373	468	569	581	585	592	612	613	627
Punjab*	201	183	339	371	538	543	583	573	583	623	608
Tamil Nadu	64	111	212	326	491	524	549	561	546	537	533
West Bengal	198	301	351	413	494	501	498	516	518	512	531
Uttar Pradesh	103	163	249	352	504	502	492	485	473	486	485
Gujarat	78	134	191	262	304	337	344	361	404	414	427
Delhi	153	178	274	326	377	366	370	360	372	358	333
Haryana	65	114	181	213	252	262	247	265	282	305	298
Karnataka	17	51	90	162	221	237	241	249	245	253	252
Andhra Pradesh	15	42	80	107	158	192	177	172	170	174	173
Madhya Pradesh	15	15	24	46	85	81	94	98	84	96	92
Rajasthan	9	16	19	44	66	73	82	86	92	105	105
Bihar	7	25	29	30	47	45	41	40	40	37	38
Goa	1	5	6	12	24	23	24	19	17	19	20
Orissa	2	2	10	17	19	18	16	17	16	17	17
Himachal Pradesh	--	--	3	9	12	9	12	11	14	13	12
Assam	4	2	2	3	3	5	5	3	4	4	4
Others	--	1	2	9	48	57	33	47	56	59	59
Total	1281	1844	2826	3769	5028	5249	5302	5346	5408	5572	5568

* Includes Chandigarh.

Chart 6

NUMBER OF RUBBER GOODS MANUFACTURERS



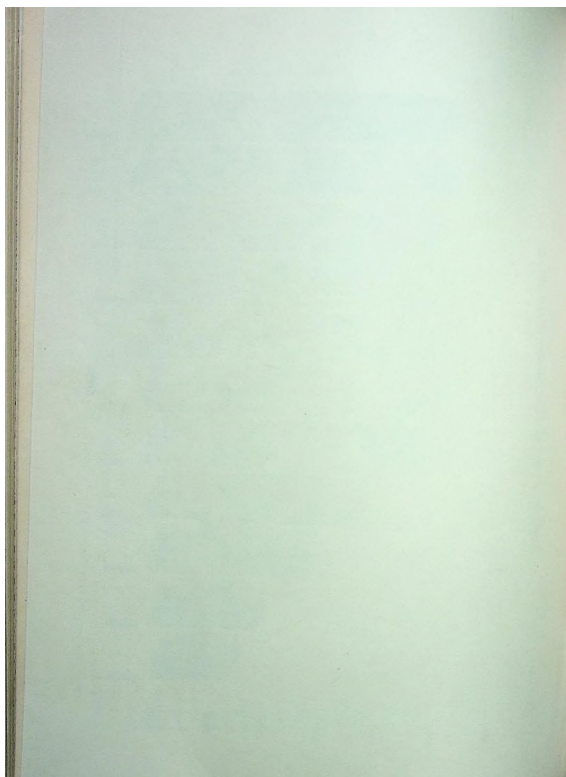


TABLE-31

PRODUCTION OF TYRES ('000 nos)

Year	Truck & Bus	Tractor	Cars	Jeeps & LCV	Motor Cycles	Scooter	Moped	A.D.V	OTR	Aero	Industrial	Total
1981	3120	685	979	699	680	1720	3	402	12	16	0	8316
1982	3530	688	988	802	668	1668	232	464	12	21	0	9073
1983	3630	778	1073	823	703	1752	293	490	16	17	0	9575
1984	3582	906	1334	1019	822	2018	371	429	15	14	8	10518
1985	3607	894	1536	986	1039	2203	679	411	15	12	12	11394
1986	3889	951	1479	962	1405	3117	757	472	13	15	22	13082
1987	4004	1101	1637	1007	1743	3685	934	522	13	15	19	14680
1988	4875	1314	1952	1295	2086	4187	1210	620	20	18	18	17595
1989	5087	1443	2260	1406	2080	4560	1372	916	29	11	14	19178
1990	5160	1523	2477	1517	2328	4994	1410	883	30	15	8	20345
1991	5379	1398	2193	1244	1786	4475	622*	589	31	8	15	17740
1992	6060	1569	2214	1441	1871	4473	1072	547	39	8	29	19323
1993	6540	1770	2810	1610	2590	5030	700	590	40	10	70	21760
1994	7029	1939	3084	1840	2910	6269	584	576	38	17	81	24367
1995p	7757	2205	3341	1935	3475	7762	699	553	38	12	89	27866
1996p	7885	2048	3607	2725	3944	7426	372	470	30	NA	76	28583

* Include only two companies. NA : Not available

Source: Automotive Tyre Manufacturers Association, New Delhi.

TABLE-32

PRODUCTION OF TUBES

('000 nos)

Year	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96p	1996-97p
Truck & Bus	4237	4049	4181	4224	4533	4923	5961
Tractor	826	904	890	816	755	995	953
Car	2156	1851	1978	2382	2336	2604	3061
Jeep	430	417	477	447	471	653	811
LCV	693	670	743	764	741	969	1323
Motor Cycles	1412	1249	1523	1824	2114	2574	3290
Scooter	2215	1863	2034	2073	2908	4375	4526
Moped	398	530	707	268	508	561	630
A.D.V	377	420	296	312	299	259	250
OTR	16	12	12	14	11	16	4
Aero	1	1	2	3	5	1	0
Industrial	7	13	27	31	39	30	24
Total	12768	11979	12870	13158	14720	17960	20833

Source: Automotive Tyre Manufacturers' Association, New Delhi.

TABLE-33

PRODUCTION OF VEHICLES (In numbers)

Year	Commercial vehicles	Tractors	Cars	Jeeps	Motor Cycles	Scooters	Three Wheelers	Mopeds	Total
1980-81	74174	70306	31275	15667	104223	212039	26930	124048	658662
1981-82	93365	82360	42475	17867	115304	223550	25801	207222	807944
1982-83	87758	62597	43558	20234	135810	264540	31881	232115	878493
1983-84	90069	74216	46901	21681	163290	276433	38575	339881	1051046
1984-85	96004	81821	76090	23208	187147	314748	43508	396053	1218579
1985-86	100452	73456	102804	27961	267107	461860	49947	461950	1545537
1986-87	99153	79073	125866	28784	302520	642038	54566	449688	1781888
1987-88	110100	88537	151875	32036	335679	589734	61112	511699	1880832
1988-89	116447	107183	165798	35754	429017	725305	79361	482001	2140866
1989-90	125051	117690	179278	44309	417401	874992	83752	439293	2281766
1990-91	144591	138538	181821	37369	470339	910315	89162	440092	2412227
1991-92	143171	148123	166389	31530	430786	768420	76750	406804	2171973
1992-93	128111	147927	163302	39176	384080	705870	65464	413353	2047283
1993-94	141476	137608	207658	49836	461955	833083	91524	460451	2383591
1994-95	194799	163059	264468	49675	647521	1030803	128895	516936	2998156
1995-96	259130	191311	347800	67643	809097	1225895	161679	623114	3685969

Source: Automotive Component Manufacturers' Association of India, Mumbai.

TABLE-34

REGISTERED MOTOR VEHICLES IN INDIA

(Qty. in '000 nos.)

Year	Two wheelers	Cars, Jeeps & taxis	Buses	Trucks	Others	Total
1974-75	946	766	114	335	311	2472
1975-76	1057	779	115	351	398	2700
1976-77	1415	878	119	383	465	3260
1977-78	1618	919	124	403	550	3614
1978-79	1888	996	133	444	598	4059
1979-80	2117	1059	140	478	732	4526
1980-81	2618	1160	162	554	897	5391
1981-82	3065	1243	173	613	961	6055
1982-83	3654	1385	185	675	1074	6973
1983-84	4351	1455	199	742	1202	7949
1984-85	5179	1607	223	822	1339	9170
1985-86	6245	1780	227	863	1462	10577
1986-87	7739	2007	245	984	1643	12618
1987-88	9300	2295	269	1114	1840	14818
1988-89	10965	2486	278	1179	2012	16920
1989-90	12611	2694	298	1238	2311	19152
1990-91	14200	2954	331	1356	2533	21374
1991-92	15661	3205	358	1514	2769	23507
1992-93	17026	3330	381	1599	2963	25299
1993-94	17060	3344	380	1592	2970	25346
1994-95	20800	3829	430	1791	3359	30209
1995-96(e)	22675	4108	447	1952	3604	32787

6 - estimated

Source: Automotive Component Manufacturers' Association of India, Mumbai.

TABLE-35

CONSUMPTION OF ALL KINDS OF RUBBER ACCORDING TO END PRODUCTS
(Tonnes)

Products	1975-76				1980-81				1985-86			
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	Total
1. Auto tyres & tubes*	62115	17451	4887	84453	87295	26598	6081	119954	114031	36007	7381	157419
2. Cycle tyres & tubes	15979	3056	5414	24449	20664	5346	7860	33870	29915	9220	9972	49107
3. Camel back	5545	2303	682	8530	9130	2484	2005	13619	15047	4142	2943	22132
4. Footwears	12387	4535	2155	19077	17800	6051	3214	27065	24194	9645	5245	39084
5. Belts and hoses	8943	1194	1342	11479	11812	2034	1885	15731	15870	4372	2856	23098
6. Latex foam	2033	--	--	2033	5753	--	--	5753	11396	--	--	11396
7. Cables and wires	590	300	18	908	779	435	136	1350	1004	708	259	1971
8. Battery boxes	280	561	2275	3116	485	778	3220	4483	890	1128	5720	7738
9. Dipped goods	3478	--	--	3478	4945	--	--	4945	9050	--	--	9050
10. Others	14342	3052	2569	19963	14967	3324	2469	20760	18043	4813	3839	24695
Total	125692	32452	19342	177486	173630	47050	26850	247530	237440	70035	38215	345690

* Includes Tractor, Aero, ADV and Off-the-road.

TABLE-35(Contin.)

Products	1990-91			1992-93			1993-94					
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	Total
1. Auto tyres & tubes*	161578	52935	7607	222120	186404	59198	8021	253623	199764	60250	8182	266196
2. Cycle tyres & tubes	50180	10929	18344	77453	56413	10149	20678	87240	61565	10409	20845	92819
3. Camel back	25440	5414	3498	34352	27157	5154	3786	36097	29398	5598	3824	38820
4. Footwears	37574	19251	6819	63644	42972	18734	8115	69821	46728	21608	8204	76540
5. Belts and hoses	25583	7194	3610	36387	28522	6558	4294	39374	31185	6485	4335	42005
6. Latex foam	19598	--	--	19598	22350	--	--	22350	25226	--	--	25226
7. Cables and wires	1252	1154	590	2996	1073	1087	663	2823	1175	1187	680	3042
8. Battery boxes	1265	2038	8235	11538	1295	2080	10085	13440	1390	2161	10135	13686
9. Dipped goods	15578	--	--	15578	18750	--	--	18750	22339	--	--	22339
10. Others	26282	5820	5797	37879	29169	5730	6848	41747	31710	5697	6905	44312
Total	364310	104735	52500	521545	414105	108690	62470	585265	450480	113395	63110	626985

Chart 7

CONSUMPTION OF NR-1996-97
(According to end products)

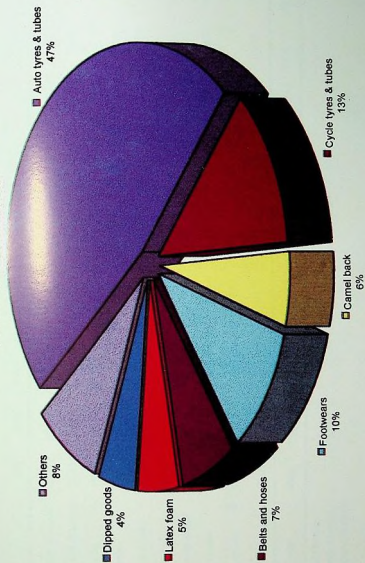




TABLE-35(Contn.)

Products	1994-95				1995-96				1996-97			
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	Total
1. Auto tyres & tubes*	228219	68490	8725	305434	245654	74926	8859	329439	265580	79333	8754	353667
2. Cycle tyres & tubes	62999	10525	21112	94636	66358	11778	21519	99655	70709	12849	22139	105697
3. Camel back	29988	5948	3915	39851	32316	6503	4002	42821	33824	7073	4101	44998
4. Footwears	48180	22009	8396	78585	52003	23541	8513	84057	56683	25356	8697	90736
5. Belts and hoses	32324	6622	4413	43359	35838	7107	4519	47464	38768	7468	4545	50781
6. Latex foam	26237	--	--	26237	28633	--	--	28633	27745	--	--	27745
7. Cables and wires	1210	1196	717	3123	1494	1372	862	3728	1565	1423	878	3866
8. Battery boxes	1560	2193	10214	13967	1784	2387	10318	14489	1852	2363	10280	14475
9. Dipped goods	22814	--	--	22814	24947	--	--	24947	24574	--	--	24574
10. Others	32319	5727	7163	45209	36438	6471	7183	50092	40465	6945	7211	54621
Total	485950	122710	64655	673215	525465	134085	65775	725325	561765	142810	66585	771160

NR- Natural Rubber

SR- Synthetic Rubber

RR- Reclaimed Rubber

TABLE-36

VALUE OF RUBBER PRODUCTS EXPORTED

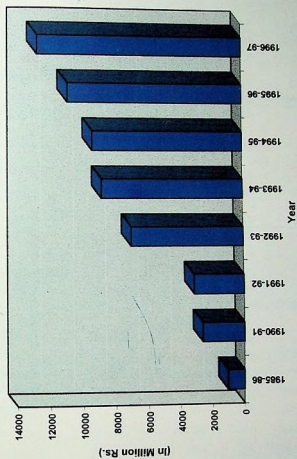
(Value in million Rs.)

Products	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97p
1. Automobile tyres and tubes including tyre retreading materials	55.38	85.15	131.53	470.00	1826.00	2021.00	4955.20	6061.87	6801.90	7176.80	7900
2. Beltings	1.64	8.88	42.80	395.00	241.00	237.10	297.20	345.19	277.30	369.40	490
3. Cycle tyres and tubes	4.36	9.89	25.88	10.00	120.00	292.76	694.00	708.13	656.00	807.40	696
4. Hoses	1.88	2.74	8.23	65.00	77.00	54.39	57.80	68.12	68.50	71.20	92
5. Hygienic, medical & surgical articles including gloves	6.18	2.40	20.94	7.07	139.00	221.59	331.40	631.34	810.00	1288.30	1490
6. Rubber footwear	1.59	1.36	3.66	5.00	7.50	14.64	38.40	41.69	34.50	84.30	84
7. Rubber-soled footwear with canvas upper	21.57	21.75	41.77	45.00	112.00	99.57	156.90	176.84	151.90	134.20	176
8. Rubber coats & aprons for textile industry	1.46	0.85	3.94	7.10	11.00	47.60	63.50	34.03	47.60	52.30	60
9. Rubber sheetings	0.47	0.80	0.63	5.00	7.20	11.84	63.00	415.62	94.30	147.70	120
10. Others	2.42	11.54	34.23	60.83	89.80	133.44	365.10	379.25	487.50	821.30	1060
Total	96.96	145.33	313.60	1070.00	2630.50	3133.93	7022.50	8862.08	9429.50	10952.90	12168

Source : Chemicals and Allied Products Export Promotion Council.

Chart B

VALUE OF RUBBER PRODUCTS EXPORTED



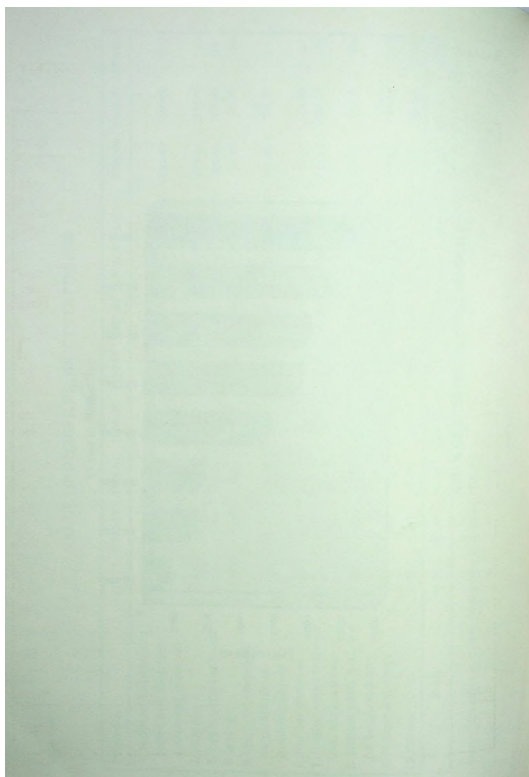


TABLE-37

QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED

(Value in '000 Rs)

Products	Unit	1975-76		1980-81	
		Quantity	Value	Quantity	Value
1. TYRES					
Aircraft	Nos.	2252	3056	1167	4149
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	1589	812	1864	2370
Tractor and other OTR	"	9184	5537	2318	6350
Motor cycles & Scooters	"	81	4	1	1
Solid/Cushion tyres					
Interchangeable tyre treads	MT	453	7198	612	1359
Others	Nos.	2849	702	16854	5583
Total			17309		19812
2. TUBES					
Aircraft	Nos.	4538	489	4	16
Cycle	"	--	--	30	3
Motor car, Truck and Bus	"	444	23	5	3
Tractor and other OTR	"	2239	385	365	107
Motor cycle	"	--	--	--	--
Others	"	2420	245	995	339
Total			1142		468
3. FLAPS					
	Nos.	17	8	5	2
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	Million Nos.	0.6	70	0.5	636
Others	Nos.	108	4	5521	507
5. BELTING					
Conveyor	Tonnes	1077	28580	212	10573
Others	"	53	2260	178	19268
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER etc.					
	Kg.	--	--	62329	8008
7. LATEX FOAM SPONGE					
	"	27000	738	22683	206
8. HOSES					
	"	230633	6851	124086	10438
9. EBONITE					
	"	1024	59	26128	933
10. OTHER VULCANISED SHEETS					
	MT.	37	1029	56817	2212
11. OTHER ARTICLES OF RUBBER					
		--	13075	--	96473
Grand Total			71125		169536

TABLE-37(Contn.)

Products	Unit	1984-85		1986-87	
		Quantity	Value	Quantity	Value
1. TYRES					
Aircraft	Nos.	153	670	102	837
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	2207	4552	2610	16657
Tractor and other OTR	"	135	1831	307	6465
Motor cycles & Scooters	"	1	1	--	--
Solid/Cushion tyres					
Interchangeable tyre treads	MT	19	660	255	8935
Others	Nos.	3386	4397	2917	8675
Total			12111		41569
2. TUBES					
Aircraft	Nos.	--	--	--	--
Cycle	"	--	--	--	--
Motor car, Truck and Bus	"	--	--	115	252
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	417	95	--	--
Total			95		282
3. FLAPS					
	Nos.	69	152	7	44
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	Million Nos.	3	985	5	2990
Others	Nos.	108012	8648	71045	9659
5. BELTING					
Conveyor	Tonnes	162	70729	365	26743
Others	"	91	23444	970	78941
6. TEXTILE FABRICS COATED					
WITH RUBBER, LEATHER etc.	Kg.	273778	24140	530316	43180
7. LATEX FOAM SPONGE					
	"	11577	879	35216	1045
8. HOSES					
	"	771843	74851	650151	69515
9. EBONITE					
	"	25663	1965	49618	1242
10. OTHER VULCANISED SHEETS					
	MT.	--	--	112	4525
11. OTHER ARTICLES OF RUBBER					
		--	195347	--	343789
Grand Total			413346		623494

TABLE-37(Contn.)

Products	Unit	1988-89		1990-91	
		Quantity	Value	Quantity	Value
1. TYRES					
Aircraft	Nos.	730	9472	646	18766
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	3717	15619	6879	24522
Tractor and other OTR	"	257	7060	524	28941
Motor cycles & Scooters	"	--	--	--	--
Solid/Cushion tyres					
Interchangeable tyre treads	MT	344	5016	--	--
Others	Nos.	9573	25854	3865	57248
Total			63021		129477
2. TUBES					
Aircraft	Nos.	--	--	7	14
Cycle	"	--	--	--	--
Motor car, Truck and Bus	"	750	35	8	11
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	347	247	696	364
Total			282		389
3. FLAPS					
	Nos.	--	--	85	11
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	Million Nos.	105	61048	74	53463
Others	Nos.	68639	7743	14547	4606
5. BELTING					
Conveyor	Tonnes	229	36926	36	7566
Others	"	189	34212	235	71283
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER etc.					
	Kg.	4971	1766	6903	1344
7. LATEX FOAM SPONGE					
	"	66	13	3820	472
8. HOSES					
	"	131080	46277	368069	66115
9. EBONITE					
	"	13039	2680	300	158
10. OTHER VULCANISED SHEETS					
	MT.	186156	17195	--	--
11. OTHER ARTICLES OF RUBBER					
		--	248430		129866
Grand Total			519593		992240

TABLE-37(Contn.)

Products	Unit	1991-92		1992-93		1993-94	
		Quantity	Value	Quantity	Value	Quantity	Value
1. TYRES							
Aircraft	Nos.	168	3086	658	9252	798	9235
Cycle	"	77324	3499	616876	37802	593360	32790
Motor car, Truck & Bus	"	17004	22126	2975	7606	2797	9846
Tractor and other OTR	"	795	42792	742	87953	1394	134634
Motor cycles & Scooters	"	855	614	2017	1890	1511	1562
Solid/Cushion tyres							
Interchangeable tyre treads	MT	11	389	77	555	2331	10418
Others	Nos.	3059	79205	3859	181579	2989	80731
Total			151711		326637		279286
2. TUBES							
Aircraft	Nos.	--	--	--	--	--	--
Cycle	"	2850	433	193650	4569	654306	12718
Motor car, Truck and Bus	"	--	--	171	56	400	196
Tractor and other OTR	"	--	--	8	19	32	22
Motor cycle	"	--	--	--	--	35	8
Others	"	12011	646	741	361	612	636
Total			1079		5005		13630
3. FLAPS							
	Nos.	503	162	607	115	774	536
4. HYGIENIC & PHARMACEUTICALS							
Contraceptives	Million Nos.	89	73564	74	61031	60	47293
Others	Nos.	1420	1264	1040058	2461	70564	636
5. BELTING							
Conveyor	Tonnes	1042	88129	159	33424	120	58047
Others	"	236	85947	447	147212	355	131912
6. LATEX FOAM SPONGE							
	"	321	66	8461	968	12188	923
7. HOSES							
	"	396927	78993	690496	160218	64	25869
8. EBONITE							
	"	8657	2444	37611	4854	88	3372
9. OTHER VULCANISED SHEETS							
	MT.	1040	75491	902	60301	1111	80084
10. OTHER ARTICLES OF RUBBER							
		--	649885	--	651299	--	1173943
Grand Total			1208735		1453525		1815531

TABLE-37(Contn.)

Products	Unit	1994-95		1995-96		1996-97	
		Quantity	Value	Quantity	Value	Quantity	Value
1. TYRES							
Aircraft	Nos.	1638	22474	2095	32197	2644	34090
Bicycles	"	236800	12385	276842	12638	310301	14701
Motor car, Truck & Bus	"	37721	39750	128111	169134	46781	101288
Tractor and other OTR	"	1314	84402	24691	5460	3452	337215
Motor cycles & Scooters	"	10487	3633	1906	178087	10469	4551
Solid/Cushion tyres							
Interchangeable tyre treads	MT	7289	37828	3603	23911	29472	32621
Others	Nos.	4175	77467	7866	140517	17170	116050
Total			277939		561944		640516
2. TUBES							
Aircraft	Nos.	55	85	3	5	11	16
Bicycles	"	295547	6422	112890	3542	72650	1733
Motor car, Truck and Bus	"	39	11	120	68	40264	2703
Tractor and other OTR	"	12	7	89	487	6611	274
Motor cycle	"	--	--	--	--	--	--
Others	"	1394	2429	4329	3839	18778	5655
Total			8954		7941		10381
3. FLAPS							
	Nos.	230	135	210	124	10745	4150
4. HYGIENIC & PHARMACEUTICALS							
Contraceptives	Million Nos	46	40657	46	38360	79*	25878
Others	Nos.	1103	346	2488345	5947	106*	34701
5. BELTING							
Conveyor	Tonnes	255	47647	175	55777	624	151840
Others	"	483	216306	1105	382014	90	251397
6. LATEX FOAM SPONGE							
	Kg.	4688	1680	5994	1918	8505	1400
7. HOSES							
	Tonnes	21	6473	65	24401	58	14769
8. EBONITE							
	"	64	3470	527	7797	212	1446
9. VULCANISED RUBBER							
THREAD & CORD	"	1429	108803	1179	118085	529	62151
10. OTHER ARTICLES OF RUBBER							
			1331878		2304147		2144065
Grand Total			2044288		3508455		3342694

* Tonnes

TABLE-38

NUMBER OF LICENSED DEALERS IN DIFFERENT STATES

AT THE END OF EACH YEAR

State/Territory	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
Kerala	1566	1756	3041	3499	6439	6497	6215	6480	7181	8304	8866
Tamil Nadu	31	75	230	140	192	177	192	204	211	214	212
Punjab*	25	39	63	68	123	136	144	177	197	217	218
Delhi	61	63	112	115	161	165	164	172	172	181	171
West Bengal	53	45	58	67	91	92	95	97	103	115	103
Uttar Pradesh	7	10	35	40	59	63	71	82	84	89	83
Maharashtra	39	30	66	62	77	74	65	76	85	90	97
Karnataka	1	8	15	22	51	56	61	73	85	104	113
Haryana	0	0	0	17	34	37	40	44	43	46	45
Tripura	0	0	5	2	12	13	24	33	57	79	107
Gujarat	3	7	8	6	21	21	25	26	25	28	28
Madhya Pradesh	0	1	1	0	3	8	8	10	12	14	15
Rajasthan	0	0	1	0	2	5	8	10	11	12	15
Assam	0	0	0	0	3	6	5	7	9	15	15
Andamans	0	0	0	2	5	5	6	4	5	8	8
Meghalaya	0	0	0	0	2	0	4	4	4	4	5
Bihar	0	0	1	1	3	3	3	3	2	4	6
Andhra Pradesh	1	1	4	2	0	2	2	3	5	4	2
Orissa	0	0	0	1	1	1	1	2	2	2	3
Goa, Daman & Diu	0	0	0	0	0	0	0	1	1	1	1
Jammu & Kashmir	0	0	0	0	0	0	1	1	1	1	1
Mizoram	0	0	0	0	0	0	0	0	0	0	0
Manipur	0	0	0	0	0	3	0	0	0	0	0
Himachal Pradesh	3	1	1	0	0	0	1	0	0	0	1
Pondicherry	0	0	0	0	0	0	0	0	0	1	2
Grand Total	1790	2036	3641	4044	7280	7365	7135	7509	8295	9533	10117

* Including Chandigarh.

TABLE-39

**NUMBER OF LICENSED DEALERS IN DIFFERENT DISTRICTS
IN KERALA STATE AT THE END OF EACH YEAR**

District	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
Thiruvananthapuram	40	60	155	197	477	483	472	500	561	699	786
Kollam	272	344	532	329	771	789	742	751	856	964	1014
Pathanamthitta	0	0	0	323	857	888	800	829	927	1106	1233
Alappuzha	38	38	47	9	37	38	43	58	82	115	122
Kottayam	686	787	1306	1431	2033	2012	1907	1969	2094	2345	2467
Idukki	0	86	155	239	324	323	318	362	404	434	457
Ernakulam	313	212	392	510	1005	975	912	912	1001	1188	1222
Thrissur	17	19	26	30	84	85	101	107	121	152	147
Palakkad	11	17	38	47	113	135	144	169	197	235	280
Malappuram	16	42	64	88	226	243	231	224	275	320	369
Kozhikode	71	73	137	98	164	164	159	161	172	197	214
Wynad	0	0	0	25	35	39	37	49	48	52	54
Kannur	102	78	189	156	262	275	298	327	370	403	391
Kasaragod	0	0	0	17	51	48	51	62	73	94	110
Total	1566	1756	3041	3499	6439	6497	6215	6480	7181	8304	8866

TABLE-40

DISTRIBUTION OF LICENSED DEALERS ACCORDING TO THEIR PURCHASE

Purchase in tonnes	1965-66	1970-71	1975-76	1976-77	1977-78	1978-79	1981-82	1983-84	1985-86	1987-88	1991-92	1994-95	1996-97
0 - 10	217	1022	756	753	874	1352	1603	1425	1724	3134	3384	3899	3826
11 - 25	102	227	324	345	371	402	519	536	507	618	915	989	1618
26 - 50	79	148	287	329	377	376	433	492	517	599	962	1041	1412
51 - 100	56	115	203	287	288	317	371	416	435	511	776	800	1272
101 - 250	71	124	214	283	277	352	371	404	451	510	794	822	1042
251 - 500	35	77	106	141	160	155	185	195	177	212	243	311	453
501 - 1000	27	47	94	98	99	94	109	110	117	128	145	225	268
Above 1000	21	30	52	80	79	87	79	90	116	96	146	208	226
Total	608	1790	2036	2316	2525	3135	3670	3668	4044	5808	7365	8295	10117

TABLE-41

AVERAGE DAILY EMPLOYMENT IN RUBBER PLANTATIONS

Year	Numbers	Year	Numbers
1963	113528	1980	192578
1964	115595	1981	199775
1965	122481	1982	206790
1966	126958	1983	212613
1967	135104	1984	220434
1968	139795	1985	227780
1969	144423	1986	235351
1970	146591	1987	244477
1971	147902	1988	257742
1972	148040	1989	271601
1973	150909	1990	282674
1974	154214	1991	293108
1975	157754	1992	304618
1976	162661	1993	310800
1977	168475	1994	315900
1978	176925	1995	322300
1979	184320	1996	328900

Source: Ministry of Food and Agriculture (Govt. of India),
Govt. of Kerala and Rubber Board.

TABLE-42

COLLECTION OF EXCISE DUTY AND MISCELLANEOUS RECEIPTS OF THE RUBBER BOARD
(Million Rs.)

Year	Excise Duty on Rubber Collected	Sales of rubber from experiment stations	Sales of planting materials from nurseries	Others*	Total
1985-86	96.26	3.91	2.18	7.60	109.95
1986-87	94.19	3.94	2.90	8.16	109.19
1987-88	111.60	4.38	3.01	8.31	127.30
1988-89	126.68	5.56	2.75	10.83	145.82
1989-90	141.60	5.39	3.82	13.50	164.31
1990-91	147.34	4.62	3.99	12.77	168.72
1991-92	168.15	5.73	3.65	15.41	192.94
1992-93	180.48	5.82	5.01	17.47	208.78
1993-94	198.18	8.40	3.41	17.99	227.98
1994-95	262.34	9.22	5.28	70.44	347.28
1995-96	435.77	10.74	6.74	95.74	548.99
1996-97p	469.97	6.50	7.36	109.64	593.47

* Figures from 1994-95 include recovery of the cost of plantation inputs distributed through RPSs.

TABLE-43

SCHEMEWISE EXPENDITURE OF THE RUBBER BOARD

(Million Rs)

Scheme	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
1. Rubber plantation development scheme (newplanting and replanting)	94.93	118.96	111.18	104.22	87.55	126.85
2. Infrastructure development in non-traditional areas	2.86	10.02	7.17	15.48	20.02	19.66
3. Extension, training and supplies*	3.29	6.44	4.97	11.16	13.90	16.68
4. Maintenance of nurseries and distribution of planting materials	2.43	3.81	4.86	5.46	5.57	7.40
5. Processing, marketing and product development	2.30	7.55	8.21	9.23	11.68	10.16
6. Research	19.77	24.40	24.91	29.66	37.51	41.86
7. Special component plan and tribal subplan	0.12	3.74	8.67	13.38	11.15	6.85
8. Labour welfare	0.81	1.33	1.51	1.99	2.30	2.28
9. Construction of administrative building & residential building etc.	3.88	6.61	3.03	1.85	5.37	8.48
10. Operational expenses for schemes 1,3,4 & 7	18.24	22.06	25.61	25.81	28.04	29.92
11. General administration	7.63	10.15	11.21	12.74	14.36	14.81
Total - Plan	110.06	155.20	147.47	166.55	161.48	210.23
- Non plan	49.57	64.11	71.65	71.57	83.80	83.23
Grand Total	159.63	219.31	219.12	238.12	245.28	293.46

TABLE-43 (contn.)

Scheme	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
1. Rubber plantation development scheme (newplanting and replanting)	115.20	111.78	115.34	103.80	107.63	116.20
2. Infrastructure development in non-traditional areas	27.61	25.88	34.58	25.01	22.14	27.80
3. Extension training and supplies*	23.12	18.14	17.01	71.07	109.44	117.90
4. Maintenance of nurseries and distribution of planting materials	4.59	5.20	5.94	6.04	7.20	10.27
5. Processing, marketing and product development	12.61	12.41	16.09	13.16	24.59	30.05
6. Research	47.35	52.10	64.05	53.16	65.89	82.89
7. Special component plan and tribal subplan	11.28	10.76	13.47	23.02	21.48	32.38
8. Labour welfare	4.13	4.08	6.59	9.43	10.09	10.21
9. Construction of administrative building & residential building etc.	10.27	13.92	10.76	6.78	6.53	6.65
10. Operational expenses for schemes 1,3,4, & 7	39.13	46.78	50.95	58.79	72.55	88.77
11. General administration	17.49	19.96	21.82	24.02	30.62	31.89
Total - Plan	233.41	228.04	253.36	293.84	355.00	420.90
- Non plan	88.19	102.20	113.06	109.70	133.75	143.35
Grand Total	321.60	330.24	366.42	403.54	488.75	564.25

* From 1993-94 onwards includes gross expenditure on Productivity Enhancement Scheme.

Subsidy portion of this Scheme is only 5 to 12 % and the balance is recoverable.

Note : Totals include contribution to Pension Fund, advance to staff bearing interest and expenditure on official language implementation.

TABLE-44

PROGRESS IN DISTRIBUTION OF PLANTING MATERIALS

(Distributed directly by Rubber Board)
(In Numbers)

Year	Tjr 1 Clonal Seeds	Tjr 1 Clonal Seedlings	Indigenous Poly Clonal Seedlings	PBIG , GG1 & GG2 Seedlings	Budded Stumps	Green budded Stumps	Budwood * Poly bagged Plants
1961	688812	22025	-----	-----	25	-----	2638
1962	4445344	68180	-----	-----	326	-----	919
1963	2788850	358835	-----	5320	31012	-----	560
1964	2641345	253777	-----	93990	82964	-----	3704
1965	4195000	202270	-----	172403	63215	-----	2890
1966	3743745	289285	-----	168409	62478	-----	-----
1967	8244751	54500	-----	155002	73533	-----	1707
1968	3087131	289328	14195	92377	101887	-----	3067
1969	6393246	408528	10000	7099	198233	-----	3178
1970	3142000	210500	88900	74800	390900	-----	2525
1971	-----	-----	149090	250	446729	-----	5519
1972	-----	-----	13130	100565	380657	-----	4849
1973	-----	-----	25935	52898	349778	-----	8999
1974	-----	-----	41285	-----	488867	-----	11346
1975	-----	-----	2600	-----	612975	-----	15190
1976	-----	-----	31055	-----	744933	-----	4442
1977	-----	-----	44963	-----	822620	-----	9340
1978	-----	-----	6090	-----	570361	-----	3099
1979	-----	-----	60585	-----	868844	-----	2482
1980	-----	-----	29960	-----	871532	-----	12014
							4987

TABLE 44(Contn.)

Year	Tjir 1 Clonal Seeds	Tjir 1 Clonal Seedlings	Indigenous Poly Clonal Seedlings	PBIG, GG1 & GG2 Seedlings	Budded Stumps	Green budded Stumps	Budwood *	Poly bagged Plants
1981	-----	-----	81110	-----	903668	77794	14916	551
1982	-----	-----	35060	-----	788383	170733	11433	1870
1983	-----	-----	49405	-----	743763	109681	10148	2852
1984	-----	-----	-----	-----	1012372	137887	12510	12459
1985	-----	-----	-----	-----	848443	171680	14291	12901
1986	-----	-----	-----	-----	1003694	276664	12725	53651
1987	-----	-----	-----	-----	833430	259439	31731	-----
1988	-----	-----	-----	-----	513822	282287	22276	3508
1989	-----	-----	-----	-----	962035	7500	10394	3490
1990	-----	-----	-----	-----	1114918	107764	28100	7242
1991	-----	-----	-----	-----	629485	12000	22283	-----
1992	-----	-----	-----	-----	792823	-----	7265	-----
1993	-----	-----	-----	-----	734886	165748	5962	-----
1994	-----	-----	-----	-----	856158	465838	873	-----
1995	-----	-----	-----	-----	549162	527290	7168	-----
1996	-----	-----	-----	-----	645553	405121	23050	-----

* In Metres

Note: 1. During 1967, the Board had also distributed 53,464 germinated PBIG/GG Seeds.

2. The approval for planting Tjir 1 clonal seeds and seedlings has been withdrawn by the Board since 1971.

3. During 1978, 172851, and during 1982, 1025 stumped buddings were distributed.

TABLE-45

RUBBER MARKETED BY THE CO-OPERATIVE SOCIETIES

Year	No. of Societies	Rubber Marketed (In Tonnes)	Year	No. of Societies	Rubber Marketed (In Tonnes)
1963-64	6	275	1980-81	53	9336
1964-65	11	660	1981-82	54	11067
1965-66	16	1778	1982-83	58	11077
1966-67	18	3027	1983-84	59	11984
1967-68	23	5990	1984-85	60	12960
1968-69	23	3978	1985-86	62	21036
1969-70	25	4284	1986-87	116	24651
1970-71	37	10651	1987-88	116	25781
1971-72	58	14510	1988-89	118	31246
1972-73	58	18513	1989-90	118	30413
1973-74	60	7045	1990-91	125	29285
1974-75	62	4350	1991-92	146	48665
1975-76	62	5545	1992-93	146	34260
1976-77	64	9866	1993-94	219	50719
1977-78	54	7878	1994-95	231	55934
1978-79	52	6875	1995-96p	262	60000
1979-80	50	10200	1996-97p	269	62000

Note: From 1986-87 onwards, include Rubber Producers' Societies.

TABLE-46

INDEX NUMBERS OF AGRICULTURAL PRODUCTION

(Base: Triennium ending 1981-82=100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
1965-66	33.3	65.4	45.8	56.2	61.4	29.5	60.6	68.9	63.7
1970-71	60.8	74.7	79.1	73.2	84.4	67.7	87.9	82.6	85.9
1975-76	90.9	86.9	60.3	82.5	98.0	82.0	98.8	91.9	96.2
1976-77	98.7	91.3	73.4	89.1	84.3	82.5	89.6	88.8	89.3
1977-78	97.0	99.3	89.7	97.0	105.9	90.3	103.0	99.4	101.6
1978-79	89.3	100.6	79.2	94.6	108.1	100.9	107.0	101.6	105.0
1979-80	98.0	98.5	107.4	100.1	85.1	90.5	87.5	90.8	88.7
1980-81	101.1	101.6	85.1	98.4	107.8	103.2	104.9	97.4	102.1
1981-82	100.9	99.9	107.6	101.5	107.0	106.4	107.6	111.8	109.2
1982-83	109.5	100.0	93.2	100.3	94.7	121.5	103.7	108.6	104.8
1983-84	115.7	103.7	75.3	100.3	120.8	129.2	122.8	111.5	118.8
1984-85	123.1	114.1	140.4	120.7	117.3	125.2	117.5	118.6	117.9
1985-86	132.3	117.0	87.7	114.0	128.7	133.6	123.4	113.0	119.8
1986-87	144.9	110.7	137.8	121.7	122.1	125.9	116.9	112.4	115.2
1987-88	155.2	118.6	88.1	119.0	114.6	131.1	113.5	118.1	115.2
1988-89	171.0	125.0	154.7	144.1	142.1	153.6	138.9	142.8	140.0
1989-90	196.2	121.4	85.0	128.8	148.3	141.5	133.7	147.3	143.9
1990-91	217.5	132.3	122.3	144.9	149.4	156.6	143.7	156.3	148.4
1991-92	242.0	125.5	129.5	146.1	150.2	158.2	137.6	158.8	145.5
1992-93	259.7	125.5	116.2	146.6	146.5	162.5	144.3	163.7	151.5
1993-94	287.3	134.2	148.7	163.3	161.5	170.0	150.2	189.5	157.3
1994-95	311.4	134.4	129.6	163.3	164.5	186.8	155.7	180.9	165.0
1995-96p	334.6	135.9	160.5	174.5	160.1	177.9	150.4	187.7	164.3

Source: Directorate of Economics & Statistics, Ministry of Agriculture.

Chart 9

MOVEMENT OF PRODUCTION INDICES

(Base 1984-85=100)

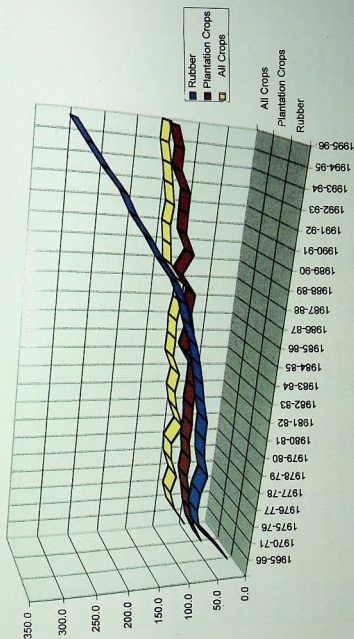




TABLE-47

INDEX NUMBERS OF PRODUCTIVITY

(Base: Triennium ending 1981-82 = 100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
1965-66	57.2	73.0	74.7	77.4	69.5	52.1	66.9	75.7	70.2
1970-71	83.2	80.2	122.0	86.8	90.2	82.4	93.2	90.4	92.6
1975-76	98.5	90.9	73.4	90.5	99.6	89.0	98.0	96.3	96.7
1976-77	102.9	95.3	81.4	94.3	87.8	87.5	91.6	94.4	92.2
1977-78	98.2	103.0	97.5	100.9	105.4	93.4	102.7	100.1	101.5
1978-79	90.9	103.6	84.4	97.8	107.1	98.9	105.4	99.6	103.3
1979-80	99.8	100.2	112.3	102.6	86.6	90.6	88.8	94.0	90.4
1980-81	100.7	101.1	84.6	97.9	107.7	102.8	105.1	99.2	102.9
1981-82	96.5	98.7	103.6	99.6	105.4	106.6	105.8	107.4	106.8
1982-83	106.1	96.3	85.9	95.7	99.2	114.5	105.2	104.7	105.5
1983-84	108.5	99.5	67.7	94.3	117.4	116.2	118.8	114.5	114.5
1984-85	113.2	103.8	125.1	111.9	114.1	117.9	117.7	114.7	117.2
1985-86	114.7	111.2	76.2	102.8	125.3	129.0	122.3	108.4	117.6
1986-87	118.3	102.1	118.7	106.0	118.8	121.4	116.7	111.6	114.9
1987-88	120.6	108.6	76.0	101.7	118.3	126.2	120.4	116.0	120.0
1988-89	124.4	127.0	132.9	116.1	136.5	141.5	138.1	126.6	135.8
1989-90	131.4	117.1	85.0	117.4	141.0	133.7	139.9	130.3	139.0
1990-91	137.5	119.9	110.2	122.2	140.2	143.8	137.8	128.0	133.8
1991-92	144.4	113.6	129.7	123.7	141.1	150.9	136.5	123.9	131.1
1992-93	147.5	113.6	96.5	118.7	140.6	146.7	142.0	130.2	137.0
1993-94	164.3	119.7	107.0	127.4	152.1	150.0	146.5	146.5	140.7
1994-95	174.1	121.0	92.4	127.6	154.0	161.3	150.2	138.9	145.4
1995-96p	187.1	122.4	114.4	136.1	148.5	157.1	145.6	137.0	141.8

Source : Directorate of Economics & Statistics, Ministry of Agriculture.

TABLE-48

GROSS DOMESTIC PRODUCT AND CONSUMER PRICE INDEX

Year	Gross Domestic Product at factor cost (At 80-81 prices) (Rs./Crores)	All India Consumer Price Index* (Base 1986-87=100)
1965-66	72122	26
1966-67	72856	31
1967-68	78785	35
1968-69	80841	32
1969-70	86109	32
1970-71	90426	33
1971-72	91339	33
1972-73	91048	37
1973-74	95192	45
1974-75	96297	60
1975-76	104968	58
1976-77	106280	50
1977-78	114219	55
1978-79	120504	54
1979-80	114236	59
1980-81	122427	67
1981-82	121889	75
1982-83	133915	79
1983-84	144865	88
1984-85	150433	88
1985-86	156566	93
1986-87	163271	97
1987-88	170322	107
1988-89	188461	120
1989-90	201453	127
1990-91	212253	136
1991-92	213983	163
1992-93	225268	183
1993-94	238864	189
1994-95	256095	212
1995-96	274209	234

* For Agricultural Labourers.

Source: Central Statistical Organisation &
Indian Labour Journal.

TABLE-49

INDEX NUMBERS OF WHOLESALE PRICES OF SELECTED COMMODITIES

(Base 1981-82=100)

Commodities	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
All Commodities	143.5	154.2	165.7	182.7	207.8	228.7	247.8	274.7	295.8	314.6
Food - grains	141.3	161.8	165.4	179.2	216.4	242.4	260.7	293.2	313.0	353.8
Fruits & Vegetables	180.2	185.1	170.5	204.1	252.9	272.6	281.8	289.1	323.9	388.9
Condiments & Spices	237.6	282.1	226.3	284.6	417.7	514.2	447.3	438.6	453.6	514.5
Oil seeds	179.1	151.3	151.4	194.9	234.7	230.2	227.1	265.6	284.6	285.3
Petroleum crude & Natural gas	93.5	89.1	91.8	99.6	101.0	102.7	120.7	129.1	130.2	132.1
Electricity	166.7	176.6	187.7	200.9	222.8	249.0	318.3	352.6	369.7	413.2
Edible Oils	175.5	170.2	177.5	223.3	265.9	264.9	254.3	279.9	301.6	301.1
Tea & Coffee processing	166.8	166.8	189.3	249.0	301.0	306.3	307.9	371.5	476.1	479.3
Textiles	126.6	139.6	158.2	171.2	188.3	200.7	219.9	256.8	294.6	304.1
Leather & Leather Products	142.9	169.4	185.7	224.3	233.9	228.2	245.2	261.8	276.8	281.2
Natural Rubber	122.7	124.3	146.0	145.8	146.6	174.6	176.0	249.2	356.4	335.7
Rubber & Plastic Products	143.5	155.3	159.4	164.9	170.6	186.2	189.9	200.6	235.4	244.0
Tyres & Tubes	131.2	135.9	145.8	153.3	162.3	175.8	183.6	189.8	232.7	239.1
Plastic Products	161.6	189.9	184.4	187.2	188.7	194.4	194.2	194.6	207.6	224.9
Other Rubber & Plastic Products	147.2	153.9	157.8	162.4	166.1	197.4	197.6	228.9	272.8	275.6
Chemicals & Chemical Products	131.9	135.8	140.0	147.9	168.4	192.6	207.8	232.6	249.9	259.3
Fertilisers & Pesticides	110.2	103.1	104.2	105.2	131.6	165.1	185.3	209.0	220.1	219.1
Motor Vehicles	134.1	146.2	183.2	177.4	196.7	211.6	216.0	231.4	248.3	261.0

Source: "Index number of wholesale prices in India". Published by the Ministry of Industry, Govt. of India.

WORLD RUBBER STATISTICS

TABLE-50

AREA UNDER RUBBER IN MAIN PRODUCING COUNTRIES (In Thousand Hectares)

Territory	End of	Holdings	Estates	Total
Indonesia	1996	2714	528	3242
Thailand	1996	1873	85	1958
Malaysia	1996	1424	225	1649
China	1996	216	376	592
India	1996	459	74	533
Sri Lanka	1996	91	71	162
Brazil*	1989	138	59	197
Nigeria	1990	200	47	247
Liberia*	1990	40	70	110
Viet-Nam*	1997	35	240	275
D.R. of Congo(a)	1990	NA	NA	40
Philippines	1992	---	88	88
Myanmar	1994	52	38	90
Cote d'Ivoire	1994	27	41	68
Cameroon	1995	3	39	42

Note : Estate areas refer to holding of 40 ha. and over.

* : Estimated figures , NA : Not available

(a) : Formerly Zaire.

Source : Rubber Statistical Bulletin of the International
Rubber Study Group.

TABLE-51

PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Tonnes)

Country	1975	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994	1995p	1996p
Thailand	355	501	724	926	979	1179	1275	1341	1531	1553	1718	1805	1978
Indonesia*	823	1020	1130	1203	1235	1256	1262	1284	1387	1301	1361	1467	1543
Malaysia	1459	1530	1470	1579	1682	1416	1291	1256	1173	1074	1101	1089	1083
India	136	155	198	227	255	289	324	360	383	428	464	500	540
China	69	113	188	238	240	243	264	296	309	326	374	424	430
Philippines*	51	70	NA	NA	52	57	61	60	57	58	59	60	64
Nigeria *	68	47	52	55	81	118	152	80	89	98	69	121	91
Sri Lanka	149	133	138	122	122	111	113	104	106	104	105	106	112
Vietnam*	20	46	52	55	60	85	103	87	114	97	121	123	132
Combdia*	10	NA	22	25	27	39	35	31	30	31	42	44	43
Liberia *	83	77	84	93	108	106	19	32	30	45	10	13	14
Brazil	19	28	40	27	33	31	31	30	31	41	45	44	44
Total**	3315	3850	4400	4840	5020	5150	5120	5160	5440	5300	5710	6040	6340

* Estimated. NA: Not available separately.

** : Including other countries not reported separately.

Source : "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-52

CONSUMPTION OF NATURAL RUBBER IN MAIN CONSUMING COUNTRIES

(In Thousand Tonnes)

Country	1975	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994	1995p	1996p
U.S.A.	666	585	764	789	858	867	808	756	910	967	1002	1004	1002
Japan	285	427	540	568	623	657	677	690	685	631	640	692	715
China*	225	340	415	555	660	650	600	610	640	650	720	780	810
India	129	171	233	278	311	333	358	375	405	444	473	517	558
Korea Rep*	NA	NA	155	200	235	232	255	264	278	271	290	300	300
Malaysia	31	45	69	82	103	122	184	216	249	269	292	327	357
Germany@	197	180	202	199	204	221	209	211	213	175	186	212	193
France	156	188	156	170	181	184	179	183	178	169	180	176	182
Brazil	59	81	98	115	125	124	124	123	123	132	145	155	145
U.K.	171	131	126	134	140	133	136	119	125	119	135	118	111
Italy	118	132	127	136	140	143	130	120	115	108	115	120	120
Taiwan*	NA	NA	84	105	150	100	105	120	115	109	105	103	96
C.I.S*	NA	NA	210	165	100	140	150	80	28	36	12	13	16
Total**	3368	3760	4430	4800	5100	5190	5210	5060	5320	5440	5680	5990	6130

NA: Not available separately. *: Estimates

@: Upto 1990 Federal Republic of Germany.

For C.I.S., data before 1992 refer to the former U.S.S.R.

*: Including allowances for officially reported Statistics and those countries not reported separately.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-53

PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES
(In Thousand Tonnes)

Country	1975	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994	1995p	1996p
U. S. A.	1990	2215	2026	2182	2335	2261	2115	2050	2300	2180	2390	2530	2486
C.I.S.*	1600	2040	2125	2366	2435	2358	2277	2105	1495	1030	630	830	775
Japan	789	1094	1158	1192	1299	1353	1426	1377	1390	1310	1349	1498	1520
France	350	511	544	538	568	587	522	471	500	486	595	618	583
Germany @	316	390	448	468	500	508	525	504	545	570	622	480	485
China	57	123	171	218	251	289	316	335	371	385	494	493	553
Italy	200	250	225	245	260	295	300	305	310	300	305	310	303
Brazil	129	249	266	250	284	257	256	264	261	252	274	286	288
U.K.	261	212	233	257	313	311	274	251	280	290	291	320	328
Netherlands	216	212	235	205	189	221	244	246	191	176	209	185	180
Canada	173	253	209	180	197	188	195	180	206	187	197	170	220
Korea Rep*	24	75	106	141	169	169	227	225	260	307	340	372	516
Taiwan*	NA	77	105	125	136	170	175	194	198	215	297	365	376
Mexico	60	91	146	158	149	141	133	118	131	123	122	109	123
Belgium*	65	115	92	103	126	126	120	125	114	120	126	133	140
Germany D.R.	144	163	158	99	149	146	88	88	88	88	88	88	88
Poland	108	118	126	117	128	125	103	80	89	75	83	105	106
India	23	23	37	44	49	54	58	56	61	53	59	67	64
Total +	6855	8695	8960	9450	10160	10150	9890	9270	9250	8590	8920	9500	9760

* : Estimated, NA : Not Available separately, + : Including other countries not reported separately.

@ : Upto 1990 Federal Republic of Germany.

For C.I.S., data before 1992 refer to the former U.S.S.R.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-54

CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES

(In Thousand Tonnes)

COUNTRY	1975	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994	1995p	1996p
U. S. A	1964	1980	1982	2017	2017	2051	1821	1788	1980	2001	2118	2172	2187
C.I.S.*	NA	NA	2115	2300	2375	2180	2078	1980	1130	720	422	424	438
Japan	585	885	948	946	1042	1103	1133	1119	1081	1022	1026	1085	1125
China*	55	155	245	265	290	330	340	395	495	520	680	760	870
Germany @	360	421	411	453	471	476	511	502	506	488	512	428	418
France	278	342	312	316	315	358	351	342	385	315	400	430	436
Italy	220	288	277	299	312	325	310	305	295	280	285	293	291
Korea Rep*	NA	NA	145	215	255	236	279	251	275	300	320	370	440
Brazil	176	244	235	274	283	285	284	290	297	275	280	296	300
U.K	266	248	201	216	227	240	223	201	231	212	217	233	277
Canada*	179	200	173	210	202	191	185	184	198	200	205	198	242
Taiwan*	NA	NA	95	145	155	145	195	206	215	209	280	300	287
Spain	NA	NA	144	166	165	154	166	147	165	147	171	195	200
Mexico	NA	NA	140	106	105	107	114	110	110	87	96	85	100
India	32	46	70	76	83	90	97	100	110	111	116	133	142
Total +	7028	8785	9000	9650	9940	10040	9660	9220	9300	8620	8840	9280	9590

*: Estimated, NA : Not Available separately, @ Upto 1990 Federal Republic of Germany.

For C.I.S., data before 1992 refer to the former U.S.S.R.

+ Including allowances for discrepancies in officially reported statistics and those countries not reported separately.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

Chart 10

WORLD CONSUMPTION OF NR & SR

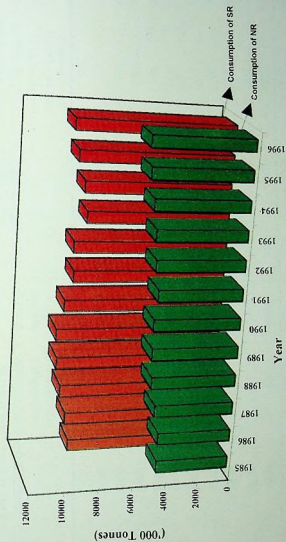




TABLE-55

PRODUCTION, CONSUMPTION AND STOCK OF NATURAL AND SYNTHETIC RUBBER
(In Thousand Tonnes)

Year	NATURAL RUBBER				SYNTHETIC RUBBER			
	Production	Consumption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year	Production	Consumption	Excess(+) or deficiency(-) compared with consumption	Stock at the end of the year
1985	4400	4430	-30	1570	8960	9000	-40	1730
1986	4490	4460	+30	1600	9270	9280	-10	1720
1987	4840	4800	+40	1640	9450	9650	-200	1520
1988	5020	5100	-80	1560	10160	9940	+220	1800
1989	5150	5190	-40	1610	10150	10040	+80	1890
1990	5120	5210	-90	1520	9890	9660	+230	2120
1991	5160	5060	+100	1600	9270	9220	+50	1940
1992	5440	5320	+120	1720	9250	9300	- 50	1890
1993	5300	5440	-140	1580	8590	8620	- 30	1860
1994	5710	5680	+30	1610	8920	8840	+80	1940
1995	6040	5990	+50	1660	9500	9280	+220	2160
1996p	6340	6130	+210	1870	9760	9590	+170	2330

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-56

ESTIMATED PERCAPITA CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER

(Kilograms)

Country	1960	1965	1970	1975	1980	1985	1990	1991	1992	1993	1994	1995
U.S.A	8.77	10.75	12.28	12.18	11.26	11.43	10.52	9.99	11.24	11.50	11.37	12.07
Canada	5.19	7.22	8.77	11.04	11.65	10.65	10.12	9.25	9.99	10.09	10.63	10.77
Germany	4.58	6.20	9.21	9.01	9.77	10.05	9.07	8.91	8.92	8.17	8.57	7.69
France	4.84	5.66	8.25	8.22	9.84	8.48	9.34	9.20	9.48	8.38	10.02	10.32
U.K	5.75	6.83	8.53	7.80	6.77	5.77	6.24	5.54	6.12	5.69	6.03	6.06
Japan	2.44	3.82	7.47	7.80	11.23	12.31	14.65	14.59	14.21	13.26	13.33	14.19
Australia	5.93	7.02	7.51	7.20	6.87	5.19	5.39	4.92	5.09	6.06	6.56	6.37
Italy	2.68	3.85	5.78	6.10	7.44	7.05	7.63	7.49	7.21	6.80	6.73	6.93
Brazil	0.89	0.80	1.32	2.24	2.68	2.52	2.76	2.82	2.79	2.71	2.76	2.98
China	0.18	0.23	0.35	0.38	0.50	0.62	0.83	0.87	0.98	1.00	1.18	1.25
India	0.12	0.18	0.22	0.27	0.32	0.40	0.55	0.56	0.59	0.63	0.64	0.70
World	1.46	1.85	2.35	2.57	2.82	2.77	2.82	2.68	2.69	2.52	2.54	2.61

Source: 'Key Rubber Indicators' published by IRSG, London.

TABLE-57

WORLD PRICE OF NATURAL RUBBER

(Average price for RSS 3 per 100 Kg.)

Year	LONDON [C.I.F.]		KUALALUMPUR		INDIA
	Pound Sterling	Equivalent Rate in Rs.	Malaysian Ringgit	Equivalent Rate in Rs.	
1976	46.02	750	189.70	674	620
1977	49.34	756	194.00	692	630
1978	54.04	850	222.50	789	885
1979	62.53	1072	271.10	1011	1024
1980	63.76	1170	298.70	1083	1154
1981	53.38	938	230.80	872	1423
1982	49.37	819	181.30	739	1473
1983	73.00	1120	238.80	1042	1672
1984	73.26	1110	214.70	1040	1689
1985	61.15	980	179.80	890	1694
1986	57.09	1057	202.10	988	1670
1987	62.23	1321	236.40	1217	1766
1988	69.25	1717	301.20	1600	1811
1989	61.06	1623	247.00	1482	2040
1990	51.24	1604	220.60	1425	2147
1991	50.00	2000	216.90	1796	2128
1992	52.72	2655	212.60	2457	2463
1993	58.92	2786	207.50	2538	2546
1994	78.49	3779	288.60	3455	3107
1995	104.62	5375	390.40	5030	5059
1996	92.96	5143	342.90	4764	5122

Note: In the case of India, price refers to RSS 4 grade rubber at Kottayam market.

Source: Rubber Statistical Bulletin of the International Rubber Study Group.

WORLD POPULATION BY NATURAL REGION

Population in 1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2070, 2075, 2080, 2085, 2090, 2095, 2100

Year	Asia	Europe	North America	South America	Africa	Oceania
1950	1,000,000,000	500,000,000	200,000,000	100,000,000	200,000,000	100,000,000
1955	1,050,000,000	520,000,000	210,000,000	110,000,000	210,000,000	110,000,000
1960	1,100,000,000	540,000,000	220,000,000	120,000,000	220,000,000	120,000,000
1965	1,150,000,000	560,000,000	230,000,000	130,000,000	230,000,000	130,000,000
1970	1,200,000,000	580,000,000	240,000,000	140,000,000	240,000,000	140,000,000
1975	1,250,000,000	600,000,000	250,000,000	150,000,000	250,000,000	150,000,000
1980	1,300,000,000	620,000,000	260,000,000	160,000,000	260,000,000	160,000,000
1985	1,350,000,000	640,000,000	270,000,000	170,000,000	270,000,000	170,000,000
1990	1,400,000,000	660,000,000	280,000,000	180,000,000	280,000,000	180,000,000
1995	1,450,000,000	680,000,000	290,000,000	190,000,000	290,000,000	190,000,000
2000	1,500,000,000	700,000,000	300,000,000	200,000,000	300,000,000	200,000,000
2005	1,550,000,000	720,000,000	310,000,000	210,000,000	310,000,000	210,000,000
2010	1,600,000,000	740,000,000	320,000,000	220,000,000	320,000,000	220,000,000
2015	1,650,000,000	760,000,000	330,000,000	230,000,000	330,000,000	230,000,000
2020	1,700,000,000	780,000,000	340,000,000	240,000,000	340,000,000	240,000,000
2025	1,750,000,000	800,000,000	350,000,000	250,000,000	350,000,000	250,000,000
2030	1,800,000,000	820,000,000	360,000,000	260,000,000	360,000,000	260,000,000
2035	1,850,000,000	840,000,000	370,000,000	270,000,000	370,000,000	270,000,000
2040	1,900,000,000	860,000,000	380,000,000	280,000,000	380,000,000	280,000,000
2045	1,950,000,000	880,000,000	390,000,000	290,000,000	390,000,000	290,000,000
2050	2,000,000,000	900,000,000	400,000,000	300,000,000	400,000,000	300,000,000
2055	2,050,000,000	920,000,000	410,000,000	310,000,000	410,000,000	310,000,000
2060	2,100,000,000	940,000,000	420,000,000	320,000,000	420,000,000	320,000,000
2065	2,150,000,000	960,000,000	430,000,000	330,000,000	430,000,000	330,000,000
2070	2,200,000,000	980,000,000	440,000,000	340,000,000	440,000,000	340,000,000
2075	2,250,000,000	1,000,000,000	450,000,000	350,000,000	450,000,000	350,000,000
2080	2,300,000,000	1,020,000,000	460,000,000	360,000,000	460,000,000	360,000,000
2085	2,350,000,000	1,040,000,000	470,000,000	370,000,000	470,000,000	370,000,000
2090	2,400,000,000	1,060,000,000	480,000,000	380,000,000	480,000,000	380,000,000
2095	2,450,000,000	1,080,000,000	490,000,000	390,000,000	490,000,000	390,000,000
2100	2,500,000,000	1,100,000,000	500,000,000	400,000,000	500,000,000	400,000,000

Source: United Nations, Department of Economic and Social Affairs, Population Division, "World Population Prospects: The 2006 Revision," New York, 2006.

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INDIAN RUBBER STATISTICS

VOLUME 23

1999

Compiled by

THE STATISTICS & PLANNING DEPARTMENT

THE RUBBER BOARD
(MINISTRY OF COMMERCE, GOVT. OF INDIA)
KOTTAYAM 686 002, INDIA

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ABOUT THE RUBBER BOARD

The Rubber Board is a statutory body constituted under the Rubber Act, 1947.

The functions of the Board as defined under the Act are: (1) To promote by such measures as it thinks fit the development of the rubber industry; (2) without prejudice to the generality of the foregoing provision the measures referred to therein may provide for:- (a) undertaking, assisting or encouraging scientific, technological and economic research; (b) training students in improved methods of planting, cultivation, manuring and spraying; (c) the supply of technical advice to rubber growers; (d) improving the marketing of rubber; (e) the collection of statistics from owners of estates, dealers and manufacturers; (f) securing better working conditions and (g) carrying out any other duties which may be vested in the Board under rules made under this Act.

It shall also be the duty of the Board - (a) to advise the Central Government on all matters relating to the development of the rubber industry, including the import and export of rubber; (b) to advise the Central Government with regard to participation in any International Conference or scheme relating to rubber; (c) to submit to the Central Govt. and such other authorities as may be prescribed half yearly reports on its activities and the working of this Act; (d) to prepare and furnish such other reports relating to the rubber industry as may be required by the Central Govt. from time to time.

FROM THE CHAIRMAN

Collection of statistics is one of the basic objectives of the Rubber Board. Indian Rubber Statistics is a comprehensive annual publication based on the statistics collected by the Rubber Board. This volume is the 23rd in the series. The statistics published in the volume include those compiled from the Board's own records and those collected from various secondary sources.

The co-operation extended by the producers, traders and processors of natural, synthetic and reclaimed rubber, manufacturers of rubber goods, various organisations such as CAPEXIL, ATMA, etc. and the various government departments is gratefully acknowledged. Suggestions for further improvement will be appreciated.

Those interested in the current statistics of production, consumption, import, stock, and the prices may refer to the "Rubber Statistical News" published by the Board during each month.

I would record my appreciation for the good work done by the officers of the Statistics & Planning department for the compilation and timely release of the publication.

Kottayam,
01/10/99.

K. J. Mathew
Chairman

IN RETROSPECT

1. Introduction

A substantial slow down registered in the demand sector is the most striking observation of the Indian rubber industry during the two-year period 1997-98 to 1998-99. Though, the production sector of natural rubber (NR) remained more or less unaffected during 1997-98, the continued slump in the market affected the industry during 1998-99. Owing to the mismatch between the demand and the supply, for the first time after the 1970's, surplus was generated in the market during 1997-98 and it depressed the prices. The year 1998-99 did not see any change in the situation.

2. Area and Production of Rubber

As a result of the sustained progress of the process of area extension, the total area under rubber, which was 533,000 hectares during 1996-97, increased to 545,000 hectares during 1997-98 and 553,000 hectares during 1998-99. Enhancement of the cash subsidy for newplanting and replanting from Rs.8,000/- to Rs.18,000/- per hectare (to Rs.22,000/- per hectare in non-traditional regions) during 1997-98 and the efficient grass root level extension network of the Rubber Board are the key factors which helped to sustain the process of area expansion despite the adverse conditions prevailed in the NR market. The country produced 583,830 tonnes of NR during 1997-98 and 605,045 tonnes during 1998-99. Against the growth of 8.4 percent in 1996-97, the growth attained was 6.3 percent during 1997-98 and 3.6 percent during 1998-99. The continued unfavourable conditions prevailed in the market dissuaded the dominant small holders from adopting short-term yield enhancing measures. Apart from this, the production during 1998-99 was affected by the adverse climatic conditions prevailed in the major rubber growing pockets during the year. As a result, during 1998-99 the average yield increased only marginally. The yield per hectare was 1549 kg during 1997-98 and 1563 kg during 1998-99.

3. Consumption Sector

The total consumption of NR was 571,820 tonnes during 1997-98 and 591,545 tonnes during 1998-99. Against the demand growth of 8.2 percent during 1995-96 and 6.9 percent during 1996-97, the growth was only 1.8 percent during 1997-98 and 3.4 percent during 1998-99. The continued lackluster performance of the demand sector was attributable to the slow down in the country's industrial sector and slackness in the automobile industry, the dominant NR absorbing sector in India. The consumption of NR by the industries manufacturing automotive tyres and tubes registered a negative growth of 2.4 percent during 1997-98. The situation marginally improved during 1998-99 and the NR consumption in the automobile tyre-manufacturing sector increased by 1.2 percent during the year.

4. Production and Consumption of Synthetic Rubber

The production of synthetic rubber (SR) increased to 71,993 tonnes during 1997-98 from 64,563 tonnes during the previous year. However, 1998-99 witnessed a dip in the production to 67,590 tonnes and the decline was in Styrene Butadiene Rubber (SBR).

The consumption of SR, which registered an increase of 12.7 percent during 1997-98 declined by 2.8 percent during 1998-99. The consumption was 160,915 tonnes during 1997-98 and 156,395 tonnes during 1998-99. The relative use of natural and synthetic rubber by the Indian rubber goods manufacturing industry did not undergo any significant change during the last two years. The composition of the use of NR and SR by the industry was 78:22 during 1997-98 and 79:21 during 1998-99.

The growth in the production and consumption of NR and SR since 1995-96 is shown in the following table:

Production and Consumption of NR and SR

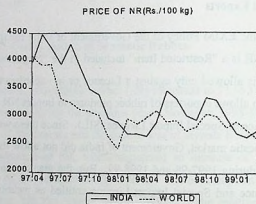
Year	Production ('000 tonnes)				Consumption ('000 tonnes)			
	NR	SR	Total	Growth (%)	NR	SR	Total	Growth (%)
1995-96	506.9	68.2	575.1	7.4	525.5	134.1	659.6	8.4
1996-97	549.4	64.6	614.0	6.8	561.8	142.8	704.6	6.8
1997-98	583.8	72.0	655.8	6.8	571.8	160.9	732.7	4.0
1998-99	605.0	67.6	672.6	2.6	591.5	156.4	747.9	2.1

5. Imports and Exports

As per the EXIM Policy of the Government of India for the period April 1997 to March 2002, NR is a "Restricted Item" included in the "Negative List" of imports. The import of NR is allowed only against a Licence or in accordance with a Public Notice. The policy also allows exporters of rubber products to import NR against Quantity Based Advance Licence or Special Import Licence (SIL). Since there was excess availability of NR in the domestic market, Government of India did not allow the import of NR against Public Notice during 1997-98 and 1998-99. But, the manufacturers imported NR using Advance Licence and Special Import Licence entitled as incentives for their export of manufactured goods. The total quantity imported under the scheme was 32,070 tonnes during 1997-98 and 26,413 tonnes during 1998-99. However, as a measure to check the excess availability of NR in the country Government of India banned its import against Advance Licence with effect from 20th February'99. As an alternate arrangement, exporters of rubber goods are allowed to purchase locally procured rubber from the State Trading Corporation of India Ltd. at the international price after surrendering import licence. Though there is no restriction on the export of NR since April'92, the export continues to be nominal. The export was 1,415 tonnes during 1997-98 and 1,840 tonnes during 1998-99.

6. Price

As already stated, the continued slump in the demand resulted in excess supply of NR during 1997-98 and 1998-99. As a consequence of the surplus and the influence of the downtrend prevailed in the international market, NR market in the country drifted from the end of 1996 and the trend continued unabated through out during 1997-98 and 1998-99. The price of RSS-4 grade, which averaged at Rs.4901/- per 100 kg during 1996-97 declined to Rs.3580/- in 1997-98 and fell further to Rs.2994/- during 1998-99. The trend in the prices from April'97 to March'99, shown in the following figure, was more or less in tandem with the international price.



As a measure to check the receding movement in the domestic market, Govt. of India intervened in the market from August '97 by procuring about 9,600 tonnes of NR. As there was a further fall in the prices, in May '98, the government made arrangement to procure an additional quantity of 20,000 tonnes and the actual procurement up to the end of March'99 was 11,500 tonnes. Further, in September '98 Govt. of India revised the benchmark price of RSS 4 grade of NR from Rs.2490/- per 100 kg to Rs.3405/- and that of RSS 5 from Rs.2440/- to Rs.3355/-. Apart from these short-term measures, a few long-term measures have also been initiated to solve the crisis. These include the initiatives to popularise road rubberisation in the country and promote the export of NR by providing incentives and assistance for quality improvement.

7. Global Scenario

The global production of NR, which increased by 5.5 percent during 1996, registered a growth of only 0.2 percent during 1997, but 4.7 percent during 1998. The production was 6.38 million tonnes during 1997 and 6.68 million tonnes during 1998. Thailand, which shared as much as 33.0 percent of the global output during 1998, continued to be the largest producer. Indonesia, Malaysia and India were the other three major producers, sharing respectively 26.2 percent, 13.3 percent and 8.9 percent of the global output of NR during 1998.

The global consumption of NR was 6.51 million tonnes during 1997 and 6.61 million tonnes during 1998. The growth attained was 5.9 percent during 1997 and 1.5 percent during 1998. On the basis of the data for the year 1998, the first four major consumers of NR in the world are USA, China, Japan and India. The relative shares of the consumption of NR during 1998 were 17.5 percent for USA, 12.7 percent for China, 10.7 percent for Japan and 8.8 percent for India.

During 1997, the total consumption of elastomers (i.e., NR and SR) in the world was composed of 39.5 percent NR and 60.5 percent SR. During 1998, NR shared 40.2 percent of the global elastomer consumption. The economic crisis in the Asia-Pacific region adversely affected the global consumption of elastomers. The growth in the consumption declined from 4.6 percent in 1997 to -0.1 percent in 1998. The total elastomer consumption was 16.47 million tonnes during 1997 and 16.46 million tonnes during 1998. The following table summarizes the performance of the world rubber economy during the period 1995 to 1998:

Global Production and Consumption of NR and SR

Year	Production (million tonnes)				Consumption (million tonnes)			
	NR	SR	Total	Growth (%)	NR	SR	Total	Growth (%)
1995	6.04	9.49	15.53	6.3	5.99	9.26	15.25	5.2
1996	6.37	9.77	16.14	3.9	6.15	9.59	15.74	3.2
1997	6.38	10.04	16.42	1.7	6.51	9.96	16.47	4.6
1998	6.68	9.89	16.57	0.9	6.61	9.85	16.46	(-)0.1

Since the local currencies of the crisis-hit Asian countries were substantially devalued, despite a continued decline in the world market in dollar terms, no proportional decline was observed in the prices expressed in the local currencies. The Daily Market Indicator Price (DMIP) used for the operation of buffer stock scheme existing under the third International Natural Rubber Agreement (INRA 1995) is calculated on the basis of Malaysian and Singapore currencies. As a result, despite a considerable price decline in dollar terms, most of the times the DMIP was within the neutral zone and producing countries in the INRO became increasingly unhappy with the fruitfulness of the agreement. Malaysia, the third biggest producer of NR, had officially given notice of its withdrawal from the INRO in October '98. Malaysia's decision was followed by a similar move by Thailand, the world's biggest NR producer, in February '99. Though Indonesia, the second biggest producer, plans to stay in INRO, it is unlikely for the organization to exist without Thailand, which supplies about 40 percent of INRO's contributions from rubber producers. Even if INRA 1995 survives till its scheduled termination date of early 2001, its extension or replacement by a fourth agreement now looks increasingly unlikely.

Kottayam,
01/10/99.

E. Lalithakumari
Joint Director
Statistics & Planning Department

CONNOTATIONS

Holding	Unless the contrary is stated, the word means a rubber area contiguous or non-contiguous aggregating 20 ha or less under a single ownership
Estate	Land contiguous or non-contiguous aggregating more than 20 ha planted with rubber under a single ownership is treated as "Estate". However, estates/holdings situated in different taluks even if they are under a single ownership are considered separately. In this context, the word owner includes any agent of an owner and a mortgage in possession and a lessee of the area.
Newplanted area	Land planted with rubber for the first time.
Replanted area	Land planted with rubber by removing the rubber trees planted earlier.
High yielding area	Area planted with clonal seedlings and clones (budgrafts) approved by the Rubber Board. It may be stated that till 1970 TJIR-1 clonal planting materials was also included under high yielding varieties. From 1971 onwards this variety is not recommended for planting. So the area under high yielding variety in this publication includes area planted with TJIR-1 variety upto 1970.
Tappable area	Area which is estimated to be tappable
Yield per hectare	Average yield per ha of tappable area
Manufacturer	A manufacturer of rubber goods who has taken out a licence from the Board for acquiring natural rubber.
Dealer	One who has taken out a licence from the Board for dealing in natural rubber, holding natural rubber stock. Under the Rubber Act all dealers of natural rubber and all consumers of natural rubber (manufacturers of rubber goods) should take out licence from the Rubber Board.
Natural Rubber	Includes the Dry Rubber Content (drc) of all grades and qualities of natural rubber. Quantity under latex also refers to weight of dry rubber content.
Ungraded rubber	Small holders, particularly those in the lower area group generally sell their smoked sheet rubber to dealers without grading and packing. This rubber consists of mostly RSS-3,4 and 5 and offgrades. Grading and packing is done usually at the medium/big dealer's level.
Synthetic rubber	Includes oil content of oil extended rubber and total solid contents of lattices.
Reclaimed Rubber	Comprises of both natural and synthetic reclaimed rubber.
P	Provisional

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TABLE - 1
AREA NEWPLANTED AND REPLANTED WITH RUBBER SINCE 1955-56
(Hectares)

Year	Newplanted	Replanted	Total	Year	Newplanted	Replanted	Total
1955-56	9342	719	10061	1977-78	4770	3645	8415
1956-57	12030	737	12767	1978-79	8450	4050	12500
1957-58	14278	1394	15672	1979-80	12300	4085	16385
1958-59	12605	1874	14479	1980-81	19308	5476	24784
1959-60	9963	1641	11604	1981-82	18100	4188	22288
1960-61	12104	1385	13489	1982-83	19884	4963	24847
1961-62	14485	2446	16931	1983-84	18805	5641	24446
1962-63	13222	2499	15721	1984-85	22365	5217	27582
1963-64	6551	2309	8860	1985-86	21222	5759	26981
1964-65	5800	2692	8492	1986-87	19856	5563	25419
1965-66	4749	4163	8912	1987-88	19535	6517	26052
1966-67	5886	4039	9925	1988-89	19471	6998	26469
1967-68	6614	2905	9519	1989-90	20175	6854	27029
1968-69	6079	1905	7984	1990-91	15143	7154	22297
1969-70	6709	1920	8629	1991-92	13851	7100	20951
1970-71	6655	2089	8744	1992-93	11000	7200	18200
1971-72	3044	1473	4517	1993-94	9200	6000	15200
1972-73	3775	1704	5479	1994-95	7500	7000	14500
1973-74	3975	1576	5551	1995-96	7800	7500	15300
1974-75	4310	2200	6510	1996-97	10400	7000	17400
1975-76	4561	3099	7660	1997-98p	12700	7500	20200
1976-77	4882	3172	8054	1998-99p	9400	5500	14900

TABLE - 2

STATEWISE AREA UNDER RUBBER AT THE END OF EACH YEAR

(Hectares)

State	1950-51	51-52	52-53	53-54	54-55	55-56	56-57	57-58	58-59	59-60	60-61
Kerala	70365	70950	71806	72966	76037	80537	91301	104621	116113	124907	135809
Tamilnadu	3025	3126	3205	3351	3594	3917	4289	4646	5092	5715	6256
Karnataka	1415	1415	1435	1455	1476	1503	1578	1589	1594	1619	1659
A&N	110	110	110	110	110	110	171	171	171	171	181
Total	74915	75601	76556	77882	81217	86067	97339	111027	122970	132412	143905
Annual growth rate	1.20	0.92	1.26	1.73	4.28	5.97	13.10	14.06	10.76	7.68	8.88

State	1961-62	62-63	63-64	64-65	65-66	66-67	67-68	68-69	69-70	70-71	71-72
Kerala	149015	161110	166542	171209	174561	179194	184647	189125	193763	198424	200474
Tamilnadu	6923	7509	7988	8599	9283	9873	10366	10852	11287	11712	12077
Karnataka	1747	1935	2121	2321	2633	2916	3289	4059	5285	6525	6767
A&N	195	195	195	195	236	277	290	368	468	537	663
Total	157880	170749	176846	182324	186713	192260	198592	204414	210803	217198	219981
Annual growth rate	9.71	8.15	3.57	3.10	2.41	2.97	3.29	2.93	3.13	3.03	1.28

A&N - Andaman & Nicobar Islands

TABLE - 2 (Contd.)

State	1972-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Kerala	202761	205595	208430	211808	215797	219506	226239	236324	253784	269621	287334	303774
Tamilnadu	12677	13108	13439	13776	14049	14345	14585	15260	15513	15740	16020	16240
Karnataka	7059	7470	8090	8585	8736	8790	8815	8861	9004	9227	9502	9972
Tripura	103	223	307	417	574	878	1306	1989	2746	3590	4578	5338
Assam	*	*	102	116	134	152	283	419	568	789	840	929
Meghalaya	*	*	106	141	191	291	628	778	923	1033	1108	1190
Mizoram									*	170	276	420
Manipur							100	216	216	291	331	331
A&N	740	768	787	810	850	900	900	900	900	900	902	908
Goa	125	153	191	223	262	338	423	464	512	563	604	640
Nagaland												105
Maharashtra												*
Total	223465	227317	231452	235876	240593	245200	253279	265211	284166	301924	321495	339848
Annual growth rate	1.58	1.72	1.82	1.91	2.00	1.91	3.29	4.71	7.15	6.25	6.48	5.71

* . Refer to less than 100 hectares omitted.

TABLE - 2 (Contn.)

State	1984-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99p
Kerala	323303	341506	356421	370079	383562	396467	407821	419174	428864	437138	443300	449000	455566	465282	469924
Tamilnadu	16450	16567	16765	16917	17037	17100	17150	17210	17260	17300	17430	17948	18209	18470	18631
Karnataka	10710	11392	11913	12353	12809	13200	13995	14386	14650	14850	14955	15307	17324	18475	19323
Tripura	6545	7742	10085	12670	14326	16620	17320	17860	18250	18670	19252	20761	21982	22582	24120
Assam	1053	1242	1968	3178	5144	8350	9380	9740	9885	10005	10122	9943	10243	10060	10805
Meghalaya	1266	1410	1831	2509	3229	3350	3466	4058	4350	4521	4550	4105	4345	3757	3958
Nagaland	205	355	525	675	910	1110	1300	1371	1370	1400	1450	1523	980	1287	1416
Mizoram	470	570	620	690	810	900	950	960	960	972	979	913	934	628	671
Manipur	335	355	440	515	665	895	1203	1215	1215	1220	1253	1400	1214	1308	1401
A&N	912	919	930	943	948	950	960	964	970	969	960	954	976	989	931
Goa	711	773	831	851	861	923	970	978	998	935	936	828	922	924	939
Orissa	*	*	*	*	146	191	245	270	270	289	219	242	277	149	358
Maharashtra	*	*	*	132	137	143	145	150	154	150	91	101	143	305	163
Arunachal Pradesh	*	*	*	*	*	*	*	*	*	*	*	50	69	128	161
West Bengal	*	*	*	*	*	*	*	*	*	*	*	**	**	62	115
Andhra Pradesh						142	178	178	178	*	*	**	**	75	82
Total	361960	382831	402329	421512	440584	460341	475083	488514	499374	508420	515547	524075	533246	544534	553041
Annual growth rate	6.51	5.77	5.09	4.77	4.52	4.48	3.20	2.83	2.22	1.81	1.40	1.65	1.75	2.12	1.56

* : Up to 1993-94, total area less than 100 hectares omitted.

** : less than 50 hectares omitted.

TABLE - 3

DISTRICT/STATE/UNION TERRITORY WISE AREA OF RUBBER UNDER HOLDINGS & ESTATES
(Hectares)

District/State Union Territory	1960-61			1965-66			1970-71		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	3657	1097	4754	4974	1370	6284	6223	1414	7637
2. Kollam	13335	9888	23223	17347	12152	29499	21116	12338	33454
3. Alappuzha	2195	115	2310	3082	60	3142	3802	60	3862
4. Kottayam	35676	9818	45494	43566	10490	54056	49313	9874	59187
5. Ernakulam	13495	4568	18063	18648	6255	24903	21807	6280	28087
6. Thrissur	1537	5389	6926	2842	5886	8728	3236	5847	9083
7. Palakkad	2471	3640	6111	4441	4810	9251	3237	1906	5143
8. Malappuram							9830	7573	17503
9. Kozhikode	8417	10325	18742	12282	11620	23912	9283	7113	16396
10. Kannur	7583	2603	10186	11483	3303	14786	14664	3428	18092
KERALA	88366	47443	135809	118675	55886	174561	142611	56813	198424
11. Kanyakumari	1736	3878	5614	4036	4605	8641	5117	5922	11039
12. Madurai	11	142	153	10	143	153	10	143	153
13. Nilgiris	84	161	245	84	161	245	86	161	247
14. Coimbatore		221	221		221	221		221	221
15. Salem									
16. Tirunelveli	23		23	23		23	23		23
TAMIL NADU	1854	4402	6256	4153	5130	9283	5265	6447	11712
KARNATAKA	155	1504	1659	182	2451	2633	1924	4601	6525
A & N ISLANDS		181	181		236	236		537	537
Grand Total	90375	53530	143905	123010	63703	186713	149800	67598	217198

TABLE - 3(Contn.)

District/State/ Union Territory	1975-76			1980-81			1985-86		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	6934	1116	8050	9208	971	10179	17089	964	18053
2. Kollam	21873	12439	34312	28533	12548	41081	30343	9596	27891
3. Pathanamthitta							3236	6480	36823
4. Alappuzha	3854	60	3914	4222	51	4273	3236		3236
5. Kottayam	50174	5956	56130	61880	5046	66926	79663	4846	84509
6. Idukki	10691	5194	15885	15084	4813	19897	26346	4737	31083
7. Ernakulam	17316	3753	21069	23543	3312	26855	35604	3175	38779
8. Thrissur	3719	5401	9120	4392	5390	9782	5482	4911	10393
9. Palakkad	6345	2339	8684	9941	2038	11979	14497	1922	16419
10. Malappuram	11416	5952	17368	14491	4833	19324	17631	3770	21401
11. Kozhikode	10851	6305	17156	13508	5663	19171	10460	4504	14964
12. Wynad							4813	169	4782
13. Kannur	16632	3488	20120	21254	3063	24317	17170	1511	18681
14. Kasargod							13418	1074	14492
KERALA	159805	52003	211808	206056	47728	253784	203847	47659	341506
15. Kanyakumari	6671	6428	13099	6858	8232	15090	8867	7285	16132
Others	153	524	677	120	303	423	132	303	435
TAMIL NADU	6824	6952	13776	6978	8535	15513	8999	7568	16567
KARNATAKA	2021	6564	8585	2168	6616	9004	4774	6618	11392
A & N ISLANDS		810	810	22	878	900	24	895	919
TRIPURA	28	389	417	159	2587	2746	1955	5787	7742
ASSAM		116	116		568	200	1042	1242	1410
MEGHALAYA		141	141		923	923	25	1385	1410
NAGALAND							60	295	355
MIZORAM							100	470	570
MANIPUR							225	355	580
GOA							225	548	773
Grand Total	168687	67189	235876	215443	68723	284166	310209	72622	382831

TABLE - 3(Contn.)

District/State/ Union Territory	1990-91			1982-83			1994-95		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	21213	943	22156	23930	1009	24939	24864	7010	25674
2. Kollam	22957	9481	32438	24073	9467	33540	25385	9386	34771
3. Pathanamthitta	36611	6261	42872	36885	6045	44930	40223	5899	46122
4. Alappuzha	3350		3350	3470		3470	3543		3543
5. Kottayam	92205	4683	103888	101548	4651	106200	103787	4646	108433
6. Idukki	47991	4379	55545	31951	4388	36239	32721	4320	37041
7. Ernakulam	3172	51163	51163	50134	3138	53293	51660	3143	54803
8. Thrissur	6518	4752	11270	7031	4852	11883	7598	4895	12493
9. Palakkad	19707	1097	20804	22808	1173	23981	24255	1173	25128
10. Malappuram	18745	3875	22620	21232	3513	24745	22715	3328	26043
11. Kozhikode	12255	4395	16650	12812	4279	17091	13312	4182	17494
12. Wynad	4887	48	5035	5131	48	5179	5207	48	5255
13. Kannur	21371	1509	22880	23646	1389	25035	25815	1358	27173
14. Kasargod	16164	986	17150	17295	1044	18339	18044	983	19027
KERALA	362240	45581	407821	383867	44997	428864	398929	44371	443300
15. Kanyakumari	9444	7276	16720	9334	7486	16820	9505	7480	16985
Others	252	178	430	262	178	440	267	178	445
TAMIL NADU	9896	7454	17150	9596	7664	17260	9772	7558	17430
KARNATAKA	7270	6725	13995	7750	6900	14650	8177	6778	14955
A & N ISLANDS	64	896	960	51	919	970	31	939	960
TRIPURA	8162	9158	17320	8535	9715	18250	9425	9827	19252
ASSAM	7154	2226	9380	7611	2274	9885	7853	2469	10352
MEGHALAYA	1018	2448	3466	1784	2566	4350	1823	2727	4550
NAGALAND	520	780	1300	590	780	1370	589	861	1450
MIZORAM	113	837	950	123	837	960	142	837	979
MANIPUR	425	778	1203	437	778	1215	475	778	1253
GOA	422	548	970	425	573	998	363	573	936
MAHARASHTRA	38	107	145	22	132	154	31	60	91
ORISSA	165	80	245	180	80	270	96	123	219
ARUNACHAL PRADESH	178		178	178		178	13	37	50
ANDHRA PRADESH	397465	77618	475083	421159	78215	499374	437519	78028	515547
Grand Total									

TABLE - 3 (Contn.)

District/State/ Union Territory	1995-96			1996-97			1997-98*			1998-99*		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	25077	918	25995	25580	883	26463	26112	887	26999	26585	887	27472
2. Kollam	26091	9256	35347	26384	9251	35635	26738	9238	35976	27026	9249	36275
3. Pathanamthitta	41095	5968	47063	41311	5956	47267	41419	6010	47429	41421	6149	47570
4. Alappuzha	3573		3573	3615	0	3615	3692	0	3692	3722	0	3722
5. Kottayam	105067	4515	109582	105403	4475	109878	105812	4465	110277	106182	4366	110548
6. Idukki	32385	4255	37240	33117	4280	37397	33470	4256	37726	33752	4260	38012
7. Ernakulam	52347	2500	55247	52672	2587	55669	53044	2581	56025	53340	2903	56243
8. Thrissur	7888	4356	12254	8242	4301	12543	8804	4301	13105	8982	4308	13290
9. Palakkad	24939	1082	26031	25768	1091	26859	27034	1091	28125	27459	1091	28550
10. Malappuram	23271	3034	26305	23901	3058	26959	25081	2927	28008	25751	2793	28544
11. Kozhikode	13415	3934	17349	13533	3933	17466	13850	3933	17783	13938	3906	17844
12. Wynad	5240	62	5302	5401	64	5465	6077	65	6142	6279	58	6337
13. Kannur	27175	1245	28420	29204	1252	30456	31477	1253	32730	32301	1253	33554
14. Kasargod	18469	823	19292	19135	771	19906	20805	660	21265	21264	699	21963
KERALA	406642	42358	448900	413274	42282	455556	423215	42067	465282	428002	41922	469924
15. Kanyakumari	10536	6827	17363	10905	6911	17816	11517	6540	18057	11738	6465	18203
Others	272	113	385	280	113	393	300	113	413	315	113	428
TAMIL NADU	10908	7040	17948	11185	7024	18209	11817	6653	18470	12053	6578	18631
KARNATAKA	9713	6594	16307	10730	6594	17324	12309	6166	18475	13224	6096	19323
A & N ISLANDS	109	845	954	131	845	976	144	845	989	86	845	931
TRIPURA	11242	9519	20761	12338	9644	21982	14048	8534	22582	15596	8534	24120
ASSAM	7607	2336	9943	7887	2356	10243	8309	1861	10060	9144	1861	10805
MEGHALAYA	1087	3018	4105	1174	3171	4345	1588	2169	3757	1789	2168	3958
NAGALAND	862	861	1523	815	165	980	1122	165	1287	1278	136	1416
MIZORAM	378	535	913	399	535	934	417	211	628	460	211	671
MANIPUR	682	718	1400	737	477	1214	631	477	1308	924	477	1401
GOA	296	532	828	390	532	922	392	532	924	407	532	939
MAHARASHTRA	42	59	101	84	59	143	90	59	149	104	59	163
ORISSA	118	124	242	199	78	277	227	78	305	280	78	358
ARUNACHAL PRADESH	13	37	50	32	37	69	91	37	128	124	37	161
WEST BENGAL	**	**	**	62	62	115	75	75	158	158	158	158
ANDHRA PRADESH	**	**	**	**	**	**	**	**	75	82	82	82
Grand Total	448499	74576	524075	459437	73809	533246	474880	69654	544534	483701	69340	553041

* : Up to 1993-94 statewide total area less than 100 ha. omitted. **: Statewise total area less than 50 ha. omitted.

TABLE - 4

CLASSIFICATION OF HOLDINGS AND ESTATES ACCORDING TO SIZE AT THE END OF EACH YEAR

(Area in hectares)

HOLDINGS

Year	2 ha. & below		Above 2 ha. & upto & including 4 ha.		Above 4 ha.		Total	
	Units	Area	Units	Area	Units	Area	Units	Area
1955-56	26164	20489	1948	5699	1475	12300	29587	36488
1960-61	67836	52340	4660	13981	2878	24054	75374	90375
1965-66	96477	72433	6175	18051	3952	32526	106504	123010
1970-71	114924	82570	9922	25853	5593	41377	130439	149800
1975-76	132957	92386	11386	29235	6406	47066	150749	168687
1980-81	218155	139809	11924	30140	6389	45494	236468	215443
1985-86	394984	238158	11152	28071	6075	49980	412211	310209
1990-91	763022	332401	13100	33149	4465	31915	780587	397465
1991-92	797429	342010	13556	35569	4562	33044	815547	410623
1992-93	824298	351571	13627	36450	4576	33138	842500	421159
1993-94	845402	359451	13714	37205	4584	33437	863700	430093
1994-95	862728	365654	13994	37849	4678	34016	881400	437519
1995-96	892094	375957	14474	39079	4721	34463	911289	449499
1996-97	912112	384008	14724	40145	4801	35284	931637	459437
1997-98p	935456	394412	17210	44104	5058	36354	957724	474880
1998-99p	948553	402336	17317	44515	5108	36850	970978	483701

TABLE - 4 (Contn.)

ESTATES

Year	Upto 40 ha.		Above 40 ha & upto 200 ha		Above 200 ha & upto 400 ha		Above 400 ha & upto 600 ha		Above 600 ha & upto 800 ha		Above 800 ha		Total	
	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area
1955-56	209	6781	179	15047	33	9578	15	7513	4	2762	6	5898	446	47579
1960-61	271	7590	216	17812	29	8082	18	8768	5	3437	8	7841	547	53530
1965-66	325	9556	248	20476	30	8551	19	9400	4	2696	10	13024	636	63703
1970-71	309	8771	273	21318	29	8219	20	9956	6	4036	12	15088	649	67398
1975-76	289	8235	242	19332	27	7366	17	8100	9	6138	14	18018	598	67189
1980-81	258	7289	228	18659	25	7481	15	8208	10	6885	17	20201	553	68723
1985-86	137	4320	171	14408	24	7305	18	9046	14	9294	20	28249	384	72622
1990-91	120	3407	130	11348	22	6262	22	11051	17	11415	21	34135	332	77618
1991-92	123	3478	130	11533	22	6217	21	10622	17	11423	21	34618	334	77891
1992-93	126	3543	132	11555	22	6285	21	10649	17	11504	21	34679	339	78215
1993-94	129	3628	132	11406	22	6280	21	10679	17	11406	21	34928	342	78327
1994-95	130	3659	132	11377	22	6266	21	10638	17	11230	21	34858	343	78028
1995-96	114	3286	134	12291	25	7589	19	9835	15	10116	19	31459	326	74576
1996-97	112	3214	134	12262	25	7610	20	10303	13	8682	19	31738	323	73809
1997-98p	111	3165	136	11732	23	6821	22	11396	11	7328	19	29212	322	69654
1998-99p	111	3171	136	11743	23	7059	21	10775	11	7513	19	29279	321	69340

Chart 1
AREA UNDER HOLDINGS & ESTATES



STAINLESS STEEL
SHEET



TABLE - 5

AREA UNDER HIGH YIELDING AND UNSELECTED MATERIALS

(Hectares)

Year	HOLDINGS			ESTATES			TOTAL		
	High yielding	Unselected	Total	High yielding	Unselected	Total	High yielding	Unselected	Total
1955-56	2844	35644	38488	14874	32705	47579	17718	68349	86067
1960-61	28912	63463	90375	23811	29719	53530	50723	93182	143905
1965-66	53048	69962	123010	39534	24169	63703	92582	94131	186713
1970-71	83030	66770	149800	55397	12001	67398	138427	78771	217198
1975-76	107326	61361	168687	64978	2211	67189	172304	63572	235876
1980-81	169699	46744	216443	68110	613	68723	237809	46357	284166
1985-86	270835	39374	310209	72072	550	72622	342907	39924	382831
1990-91	365315	32150	397465	77228	390	77618	442543	32540	475083
1991-92	379036	31597	410623	77519	372	77891	466555	31959	488514
1992-93	380648	30511	421159	77858	357	78215	468506	30868	499374
1993-94	402705	27388	430093	77987	340	78327	480692	27728	508420
1994-95	412876	24643	437519	77689	339	78028	490566	24982	515547
1995-96	427235	22284	449499	74260	316	74576	501495	22580	524075
1996-97	439224	20213	459437	73522	287	73809	512746	20500	533246
1997-98p	456835	18046	474880	69398	256	69654	526233	18301	544534
1998-99p	468105	15596	483701	69094	256	69340	537189	15852	553041

TABLE - 6

TAPPED AREA, PRODUCTION AND AVERAGE YIELD PER HECTARE IN DIFFERENT STATES (Area in hectares, Production in tonnes and Yield per hectare in kilograms)

Year	KERALA			TAMIL NADU			KARNATAKA			OTHERS			TOTAL		
	Tapped area	Production	Yield	Tapped area	Production	Yield	Tapped area	Production	Yield	Tapped area	Production	Yield	Tapped area	Production	Yield
1955-56	62389	21680	347	3204	1606	501	1444	406	281	134	38	284	67181	23730	353
1956-57	67394	21853	324	3259	1806	554	1449	365	252	134	36	269	72236	24060	333
1957-58	66198	22196	335	3265	1890	578	1449	425	293	110	23	209	71022	24534	345
1958-59	65415	22062	337	3222	1665	517	1506	425	282	110	17	154	70253	24169	344
1959-60	65007	21890	336	3185	1814	570	1506	437	290	110	32	291	69808	24173	346
1960-61	65355	23175	354	3305	2040	617	1483	452	305	110	30	272	70253	25697	365
1961-62	69269	24954	360	3421	2060	602	1501	402	268	110	30	272	74301	27446	370
1962-63	78516	29057	370	3901	2695	691	1527	447	293	110	40	363	84054	32239	394
1963-64	89529	33792	377	4319	3176	735	1487	468	315	171	51	298	95506	37487	393
1964-65	102125	41391	405	4678	3724	796	1407	481	342	171	20	117	108381	45616	420
1965-66	106623	46953	440	4721	3195	677	1365	382	280	-	-	-	112709	50530	448
1966-67	107298	50495	471	4812	3927	816	1390	396	285	-	-	-	113500	54818	483
1967-68	111400	59978	538	4908	4048	825	1395	434	310	24	8	333	117727	64468	548
1968-69	116935	66473	569	4958	4100	827	1365	470	344	24	11	458	123282	71054	576
1969-70	126358	76897	609	5339	4526	848	1386	516	372	24	14	583	133107	81953	616
1970-71	134103	86773	647	5673	4859	857	1374	519	378	26	20	769	141176	92171	653
1971-72	142000	95499	673	5943	5140	865	1336	550	412	28	21	750	149307	101210	678
1972-73	146957	105934	721	6490	5739	884	1465	659	450	50	32	640	154962	112364	725
1973-74	156384	117221	750	7480	7036	943	1710	856	501	50	40	800	165604	125153	756
1974-75	160956	121558	755	7982	7523	942	1861	1012	544	80	50	625	170879	130143	762

Chart 2
AVERAGE YIELD PER HECTARE

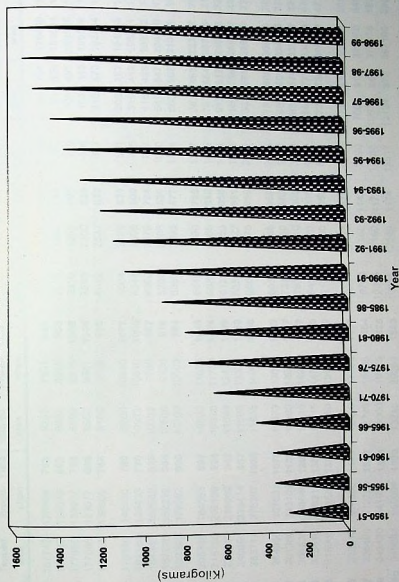
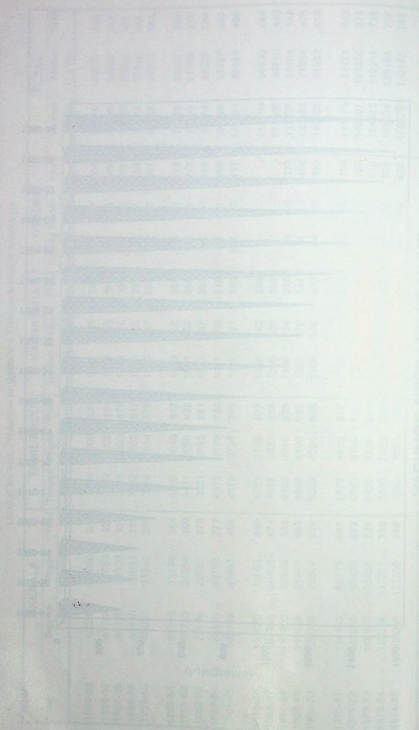


TABLE 1. CROPPED AREA, PRODUCTION AND AVERAGE YIELD OF PAPERBARK IN DIFFERENT YEARS



BRATSKA RIBARSKA ZONA

3.1980

TABLE - 6 (Contin.)

Year	KERALA			TAMIL NADU			KARNATAKA			OTHERS			TOTAL		
	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield	Tapped area	Produ- ction	Yield
1975-76	167742	128769	768	8257	7631	924	2392	1282	536	89	68	764	178480	137750	772
1976-77	173737	139349	802	8952	8535	953	2715	1667	614	190	81	426	185594	149632	806
1977-78	177890	135907	764	8990	9015	1003	3910	1959	501	216	106	491	191006	146987	770
1978-79	177085	123677	698	8952	9367	1046	3893	2100	539	400	153	383	190330	135297	711
1979-80	178890	136609	764	9195	9108	990	4012	2537	632	457	216	473	192554	148470	771
1980-81	179980	140320	780	9700	10446	1077	4004	2128	531	561	206	367	194245	153100	788
1981-82	181180	139435	770	9912	10510	1060	4344	2606	600	775	319	412	196211	152870	779
1982-83	184340	152662	828	10035	9700	967	4360	3070	704	977	418	428	199712	165850	830
1983-84	187720	162212	864	10600	9736	918	5200	2785	536	1000	547	547	204520	175280	857
1984-85	193290	172092	890	10700	10603	991	5365	3095	577	1164	660	567	210519	186450	886
1985-86	205780	184563	897	10560	11025	1044	5610	4090	729	1397	787	563	223347	200465	898
1986-87	218750	202129	924	10970	11755	1071	5935	4855	818	1409	781	554	237064	219820	926
1987-88	229640	216562	942	11549	12470	1080	6120	5253	858	1491	912	612	249100	235197	944
1988-89	246660	238414	967	11600	13370	1153	6281	6222	991	1562	1166	746	266103	259172	974
1989-90	258714	275397	1025	11835	14065	1188	6500	6475	996	2011	1363	678	289060	297300	1029
1990-91	284960	307521	1079	11873	13645	1149	6957	6655	958	2623	1784	680	306413	329615	1076
1991-92	301360	343109	1139	12180	13975	1147	7370	7260	985	3630	2401	661	324540	366745	1130
1992-93	306539	366648	1203	12110	14250	1177	7872	7910	1005	3979	2682	674	330500	393490	1191
1993-94	313416	408311	1304	12215	14720	1205	8410	8626	1026	4509	3503	777	338550	435160	1285
1994-95	318965	442830	1389	12550	15065	1200	9175	9700	1067	5580	4220	756	346270	471815	1362
1995-96	328812	474555	1443	12420	17335	1396	9530	10275	1078	5682	4745	835	356444	506910	1422
1996-97	335400	512756	1529	12730	18505	1454	9760	11160	1143	7690	7004	911	365580	549425	1503
1997-98	342420	541935	1583	13000	19175	1475	10365	12150	1172	11185	10570	945	376970	583830	1549
1998-99p	349683	559099	1599	13215	20263	1533	10685	12549	1174	13517	13134	972	387100	605045	1563

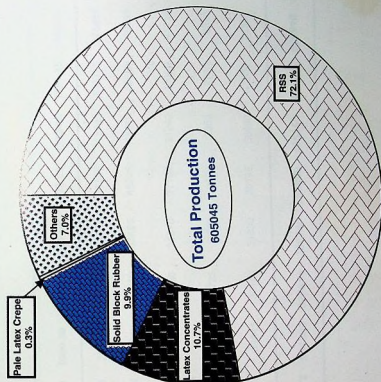
TABLE - 7

MONTHWISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

Months	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
April	11020	17030	20550	23590	25245	28520	30870	31880	35300	38315	41080	41735
May	21450	25850	26740	20570	30710	31630	34845	39275	37210	44890	47480	47640
June	12660	14815	16280	18310	20310	22880	25300	26560	29660	36140	40180	41220
July	14585	14070	16685	20520	20650	23835	26295	27610	32540	35810	36990	38560
August	15190	13970	22955	25260	28240	26815	35150	36210	39475	40545	43440	46790
September	24480	13540	28445	34850	39470	34980	46450	46930	48260	51360	55980	48470
October	27535	32890	29160	37965	39940	39695	41360	52660	53040	55110	59320	57130
November	27367	34650	34430	37885	41635	45100	47475	53330	58815	63150	65255	71065
December	29240	36340	37330	39840	43235	54240	52490	54650	62660	64820	71420	75750
January	26120	27727	32290	35650	38690	44805	47750	51210	55990	60125	64785	69710
February	12050	12480	15700	16265	17880	20550	22090	23790	25085	27590	28260	31560
March	13480	15810	16735	18910	20740	22440	25085	27710	28875	31570	29660	35395
Total	235197	259172	297300	329615	366745	393490	435160	471815	506910	549425	583830	605045
Annual growth rate	7.14	10.19	14.71	10.87	11.26	7.29	10.59	8.42	7.44	8.39	6.26	3.63

Chart 3
GRADEWISE PRODUCTION OF NR-1998-99



MONTHLY PRODUCTION OF NATURAL GAS



GRADEWISE PRODUCTION OF 192-1998-99

CPS43

TABLE - 8

GRADEWISE PRODUCTION OF NATURAL RUBBER (Tonnes)

Grade	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99p
RSS	162815	177625	207180	236530	263220	281335	315535	342775	373455	396160	436560	436275
Latex Concentrates(drc)	27688	32478	36910	39440	43425	46245	48810	52655	59695	61550	55400	64565
Solid Block Rubber	11246	16364	17160	16980	25870	27107	31240	40390	41110	51960	49910	59715
Pale Latex Crepes	2112	2440	2409	2725	2900	2608	2985	2790	2310	1565	1315	1980
Others	31336	31275	33641	33940	31330	36195	36590	33205	30340	38190	40645	42510
Total	235197	259172	297300	329615	366745	393490	435160	471815	506910	549425	583830	605045

PRODUCTION OF HOLDINGS AND ESTATES

(Tonnes)

Year	Holdings	Estates	Total	Year	Holdings	Estates	Total
1955-56	6450	17280	23730	1981-82	109160	43710	152870
1960-61	6528	19169	25697	1982-83	117789	48061	165850
1965-66	20424	30106	50530	1983-84	125912	49368	175280
1966-67	24165	30653	54818	1984-85	136335	50115	186450
1967-68	30215	34253	64468	1985-86	149673	50792	200465
1968-69	36312	34742	71054	1986-87	168195	51325	219520
1969-70	43785	38168	81953	1987-88	181710	53487	235197
1970-71	51538	40633	92171	1988-89	204000	55172	259172
1971-72	57630	43580	101210	1989-90	239400	57900	297300
1972-73	66247	46117	112364	1990-91	268500	61115	329615
1973-74	75331	49822	125153	1991-92	302700	64045	366745
1974-75	79260	50883	130143	1992-93	327500	65990	393490
1975-76	84616	53134	137750	1993-94	367950	67210	435160
1976-77	93848	55784	149632	1994-95	405900	65915	471815
1977-78	94135	52852	146987	1995-96	436500	70410	506910
1978-79	88767	46530	135297	1996-97	475000	74425	549425
1979-80	103210	45260	148470	1997-98	507000	76830	583830
1980-81	107700	45400	153100	1998-99p	527000	78045	605045

Chart 4
PRODUCTION OF HOLDINGS AND ESTATES

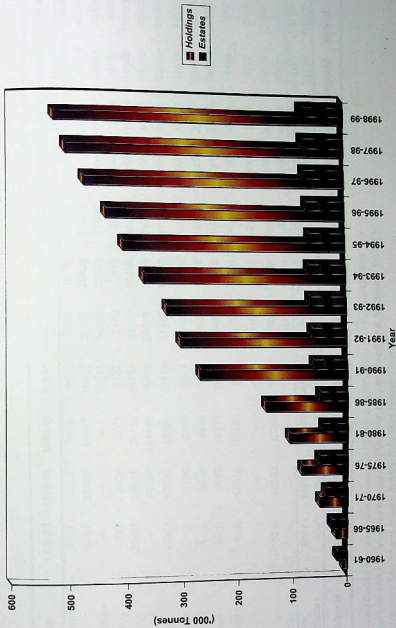


TABLE 1
PRACTITIONERS OF MEDICINE AND RELATED

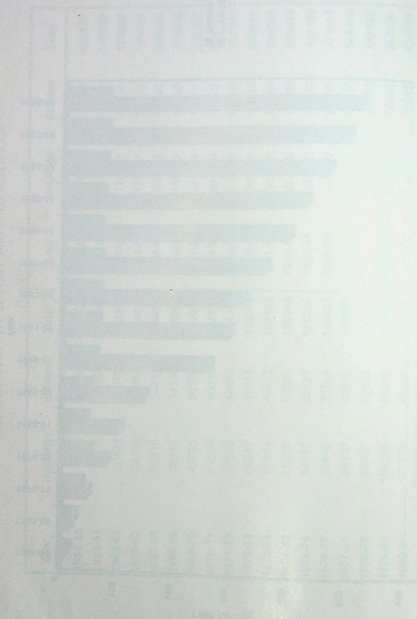


TABLE-10

DISTRICTWISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

District/State	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98p
Thiruvananthapuram	3581	5223	5933	8475	15513	19782	21465	23457	25437	27298	29046	30717
Kollam	16141	24185	25561	19807	29951	29623	31346	34315	36773	38821	41160	43130
Pathanamthitta	—	—	—	16245	34264	38691	41902	45616	49924	52974	56894	59131
Alappuzha	1713	2409	2771	2722	2140	2470	2538	2804	2973	3135	3386	3706
Kottayam	26907	34021	36132	50134	82852	89895	96650	105188	113225	120946	128871	135125
Idukki	—	10187	11140	15611	26638	29248	31721	34286	36540	38356	40712	43380
Ernakulam	11907	12292	13929	19419	37586	43308	47324	53395	59206	62159	66604	69967
Thrissur	5700	7190	6739	6079	9108	10152	10592	12639	13790	15513	17615	18361
Palakkad	1466	3816	4516	7150	12531	15312	15768	18389	20414	22571	25275	28076
Malappuram	6451	9132	10571	11419	14955	16266	18246	20269	22330	24430	27405	29907
Kozhikkode	7656	10076	10730	8602	12769	14031	14413	16743	18124	19490	20640	21559
Wynad	—	—	—	1635	2357	2426	2575	2740	2879	3015	3217	3561
Kannur	5251	10238	12298	9841	16808	19304	19482	22196	24506	26876	30559	33646
Kasaragod	—	—	—	7424	13149	13601	14606	16264	17709	18971	20372	21669
Kerala	86773	128769	140320	184563	307521	343109	368648	408311	442830	474555	512756	541935
Outside Kerala	5398	8981	12780	15902	22094	23636	24842	26949	28985	32355	36669	41895
Grand Total	92171	137750	153100	200465	329615	366745	393490	435160	471815	506910	549425	583830

Note : Wynad District was formed in November 1980 from Kozhikkode and Kannur Districts.

Pathanamthitta District was formed in November 1982 from Kollam & Alappuzha Districts.

Kasaragod District was formed in May 1984 from Kannur District.

TABLE - 11

MONTHWISE IMPORT OF NATURAL RUBBER

(Tonnes)

Month	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
April	3509	6091	9937	12063	10614	2953	1597	1548	762	940	1021	2347	2856
May	13766	8340	14792	2287	7759	1195	791	2894	723	820	1619	1737	923
June	10594	6921	7380	1550	8096	2153	3240	1122	84	3290	1584	3518	887
July	12602	9738	6823	7706	2598	827	2738	2868	691	12301	3156	3378	2787
August	1724	9553	3440	1498	4718	1543	740	3031	914	16654	1531	2518	3567
September	27	263	764	1312	5977	1347	3798	1655	1480	5658	1057	2190	4148
October	649	456	1384	825	1794	472	1321	1105	1196	1754	876	2115	2688
November	78	2378	625	1858	1143	937	695	756	33	6562	727	1368	1464
December	212	681	4036	433	2013	583	469	946	248	231	1927	3168	1134
January	191	2220	4750	935	1281	604	516	392	806	810	1573	2741	3582
February	1432	3285	1606	5492	1132	780	996	360	405	1443	1819	3457	1381
March*	572	3759	4298	8486	1888	1676	983	3263	771	1172	2880	3533	996
Total	45356	53685	59835	44445	49013	15070	17884	19940	8093	51635	19770	32070	26413

* Including year end adjustment.

TABLE - 12

GRADEWISE IMPORT OF NATURAL RUBBER

(Tonnes)

GRADE	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99p
RSS-1	225	38	108	398	304	308	129	--	144	334	109	802	302
RSS-2	36	361	377	--	--	--	155	65	--	81	20	--	--
RSS-3	32778	38954	40218	36759	37407	10213	13395	14547	5248	26985	9080	10238	10741
RSS-4	131	204	28	351	184	1186	1328	382	--	6787	1885	5878	4695
RSS-5	--	--	--	--	--	--	--	--	--	1287	2598	1160	--
Latex	19	--	--	26	718	1397	626	2274	769	683	863	4331	3242
Block }													
Rubber }	12011	14128	18965	6790	9827	1695	1986	2383	1932	15061	4977	9463	7215
EBC-2X	--	--	--	--	294	--	--	--	--	--	27	--	--
Pale Latex}													
Crepe }	156	--	138	121	279	271	265	289	--	417	211	198	218
Total	45356	53685	59835	44445	49013	15070	17884	19940	8093	51635	19770	32070	26413

TABLE - 13

GRADEWISE EXPORT OF NATURAL RUBBER

(Tonnes)

GRADE	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
RSS-1	0	0	14	58	0	110	9	17
RSS-2	0	0	18	221	36	0	18	0
RSS-3	0	0	13	226	305	36	84	220
RSS-4	0	0	0	108	105	27	45	95
RSS-5	5834	5988	0	23	117	164	243	198
ISNR 5	0	0	0	0	0	18	0	0
ISNR 10	0	0	100	108	319	302	320	200
ISNR 20	0	0	40	1077	248	922	625	1070
ISNR 3C	0	0	0	94	0	0	0	0
EBC 1X	0	0	0	10	0	0	0	0
EBC 2X	0	0	0	0	0	2	0	0
EBC 3X	0	0	0	3	0	0	0	0
Latex (60% drc)	0	11	1	33	0	17	71	40
TOTAL	5834	5999	186	1961	1130	1598	1415	1840

TABLE-14

COUNTRYWISE EXPORT OF NATURAL RUBBER

(Quantity in Tonnes and value in '000 Rs.)

Country	1993-94		1994-95		1995-96		1996-97		1997-98		1998-99p	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Australia	0	0	0	0	0	0	33	1452	107	3879	230	6843
France	0	0	115	5445	0	0	0	0	0	0	0	0
Germany	0	0	58	2564	71	3720	0	0	0	0	0	0
Iran	0	0	0	0	0	0	96	4752	0	0	0	0
Italy	0	0	38	1321	0	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0	0	36	1931	0	0
Jordan	0	0	0	0	5	264	0	0	0	0	0	0
Kenya	0	0	136	6709	0	0	0	0	0	0	0	0
Korea	0	0	10	457	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0	0	0	47	1690
Nepal	127	3300	665	26185	1054	62669	1356	67429	1236	44246	1491	44884
Netherlands	19	500	448	16789	0	0	0	0	0	0	0	0
Russia	0	0	40	1880	0	0	110	5920	0	0	17	1042
S.Africa	0	0	38	1960	0	0	0	0	0	0	0	0
Saudi Arabia	0	0	0	0	0	0	3	205	0	0	0	0
Singapore	40	900	135	4765	0	0	0	0	0	0	19	541
Spain	0	0	0	0	0	0	0	0	16	485	0	0
Sri Lanka	0	0	38	1794	0	0	0	0	0	0	0	0
Tanzania	0	0	58	3430	0	0	0	0	0	0	36	918
UK	0	0	182	7441	0	0	0	0	0	0	0	0
USA	0	0	0	0	0	0	0	0	0	0	0	0
Total	186	4700	1961	80740	1130	66653	1598	79758	1415	51228	1840	55918

TABLE-15

MONTHWISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Months	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
April	20645	21920	26365	26780	29040	29385	33250	36025	37745	41770	45030	44800	45190
May	21730	22475	25805	27980	29215	29910	32150	35875	38330	41525	45955	48600	46020
June	20960	22360	26270	27795	29350	29820	33115	37730	39280	41140	48530	46050	48250
July	20870	23935	25250	27430	31040	30515	33795	38270	39720	43455	49360	48320	47710
August	21170	22880	25475	27530	29420	31320	33995	36650	39850	43265	47525	49810	47550
September	20865	21965	25565	28765	29140	31850	33450	34380	39985	41250	47350	48455	49910
October	19675	21735	24975	27645	30335	31660	34280	36820	38705	43955	45060	47450	48590
November	21095	25870	26555	30360	31405	32410	35585	39200	40220	46480	48050	48150	52400
December	23615	27815	28320	29650	31585	34175	35920	41450	43940	45650	48260	49350	53900
January	22685	25885	26370	29180	31530	32410	36780	38635	44070	45485	48400	48310	51155
February	21725	25190	25850	28255	30870	32960	35565	38160	41655	44410	45045	45275	48535
March	22270	25450	27030	30470	31380	33735	36220	38285	42350	47180	47200	47250	52335
Total	257305	287480	313830	341840	364310	380150	414105	450480	485850	525465	561765	571820	591545
Annual growth rate	8.37	11.73	9.17	8.93	6.57	4.35	8.93	8.78	7.85	8.15	6.91	1.79	3.45

Chart 5
GRADEWISE CONSUMPTION OF NR-1998-99

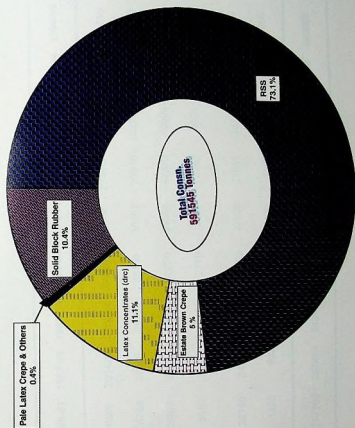


TABLE - 16

GRADEWISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Grade	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99(p)
RSS	176605	200420	216550	240895	261780	272605	298090	332720	353730	383280	415220	419935	432695
Estate Brown Crepe	28268	30991	29796	36365	30367	32515	32205	28300	30940	27923	32350	30860	29435
Latex Concentrate(drc)	25875	28190	30420	36790	39865	42370	48600	52185	53985	57995	56255	58100	65430
Pale Latex Crepe & Sole Crepe	3192	2877	2325	2710	3307	3240	3075	3035	3085	2826	1780	1395	1920
Solid Block Rubber	22145	24080	33730	23750	27700	27855	30730	32560	42345	52205	55060	60780	61295
Others	1220	922	1009	1330	1291	1565	1405	1680	1765	1236	1100	750	770
Total	257305	287480	313830	341840	364310	380160	414105	450480	485650	525465	561765	571820	591545

TABLE - 17

**STOCK OF NATURAL RUBBER WITH GROWERS, DEALERS AND MANUFACTURERS
AT THE END OF EACH MONTH**
(Tonnes)

Months	1988-89				1989-90				1990-91			
	G & D	M	STC	T	G & D	M	STC	T	G & D	M	STC	T
April	32290	27070	5336	64896	24055	22025	28969	75049	25550	25185	24251	74986
May	34630	29262	15648	79540	27305	22450	26379	76134	26860	26600	21108	74568
June	32015	30960	12488	75463	21325	22660	22266	66251	23730	28790	19632	72152
July	25180	25920	20005	71105	20835	20670	20189	61704	23475	26965	13923	64353
August	23065	24960	15025	63040	25325	21670	14209	61204	26165	25760	13281	65206
September	20310	22470	8100	50880	29075	24365	8533	61973	35100	23750	16891	75741
October	33195	25550	1428	60173	32840	23250	8078	64168	40410	27940	16891	85241
November	38620	29200	1072	68892	36775	25185	8078	70038	50015	25965	16891	92871
December	41375	33515	6055	80945	41550	28720	8078	76348	55720	30720	16891	103331
January	43325	32480	11247	87052	42280	31975	8078	82333	59295	33580	16891	109766
February	33130	28995	13132	75257	34120	30515	10631	75266	42225	35795	18341	96361
March	26095	26165	17019	68279	25460	27360	16796	69616	30230	34045	22155	86430

Note: G - Growers, D - Dealers & Processors, M - Manufacturers, STC-State Trading Corporation of India, T- Total Stock with manufacturers includes stock in transit as well as imported rubber

TABLE-17 (Contn.)

Months	1991-92				1992-93				1993-94				1994-95			
	G & D	M	STC	T	G & D	M	STC	T	G & D	M	T	G & D	M	T		
April	28245	32240	24591	85076	24140	22785	24919	71844	39340	29200	68540	39120	32780	71900		
May	31045	31370	24591	87006	27990	23780	21199	72969	40510	30840	71350	42905	30670	73575		
June	25980	28555	24591	79126	26695	26550	9805	62850	31585	29740	61325	31115	29735	60850		
July	23165	22275	24591	70031	26340	25340	3414	55094	26460	26100	52580	25895	23475	49370		
August	25725	23990	18968	68383	27490	20710	1699	49899	32070	21690	53760	30085	16180	46265		
September	33200	25200	18935	77335	34430	19040	659	54129	48010	20580	68590	35255	19305	54560		
October	43315	23360	19378	86053	41885	19340	486	61711	50805	23500	74305	48990	21505	70495		
November	49840	26175	20215	96030	48990	22370	486	71846	62300	22365	84665	59055	24520	83575		
December	56245	28555	23200	106010	66160	24290	486	90936	71515	24915	96430	62935	31125	94060		
January	57800	26430	28461	112691	74205	24735	486	99426	77370	28540	105910	59770	41205	100975		
February	38510	25325	34140	97975	58605	25575	486	84666	56865	33045	89910	41240	42280	83590		
March	26185	25980	29083	81248	42930	27725	486*	71141	42125	34890	77015	27490	42060	69550		

* Stock disposed in December 93.
No procurement / import by STC since then except commercial.

TABLE-17 (Contn.)

Months	1995-96			1996-97			1997-98			1998-99		
	G & D	M	T	G & D	M	T	G & D	M	T	G & D	M	T
April	29105	34615	63720	51210	46130	97340	68890	36550	105440	107265	39180	146445
May	31245	28510	59755	56470	41430	97900	70220	35490	105710	112330	36600	148930
June	28310	23960	52270	46040	43410	89450	67205	35630	102835	107575	35015	142590
July	28995	22800	52795	40175	38540	78715	64150	30265	94415	98895	37050	135945
August	35575	28490	64065	43900	29010	72910	62855	27765	90620	101550	36850	138400
September	51605	30960	82565	50600	27300	77900	70445	29790	100235	107920	33010	140930
October	62830	31500	94330	59120	29100	88220	81500	32510	114010	116195	35015	151210
November	71745	37365	109110	70750	35070	105820	94285	37850	132135	135700	35520	171220
December	78110	49240	127350	85960	37570	123430	120925	36025	156950	157785	36290	194075
January	81640	57125	138785	93500	43095	136595	137295	38560	175865	171745	44365	216110
February	66445	53935	120380	82590	38095	120685	122320	39070	161390	156560	43825	200385
March	50960	52230	103190	69860	37450	107310	109225	38075	147300	144465	43500	167965

TABLE - 18

MONTHWISE PRODUCTION OF SYNTHETIC RUBBER

(Tonnes)

Months	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
April	2402	3003	3624	3609	3840	4082	4646	4090	4391	3615	4069	4208	4695
May	3354	2952	4585	4042	4352	4046	5144	2973	4359	4801	5635	6121	5964
June	3309	2756	3684	4860	4519	4619	4446	3879	5664	6415	4323	6157	5632
July	2993	3662	4795	4935	5240	4469	3691	4057	5803	7118	6370	5693	5793
August	1932	4530	3735	4296	3673	5412	5354	3088	6278	7137	5872	7342	6761
September	3586	4144	4350	2915	4095	4973	5574	4746	5343	4402	4325	6097	4582
October	3040	3029	5145	5006	4717	5266	5730	2878	3401	5975	3286	6174	4953
November	3357	4270	4990	4555	4810	4472	2231	5423	6133	5021	6123	6287	5827
December	3266	4201	4574	5284	5971	5064	4563	5410	6927	6626	5770	7199	5745
January	3779	2418	5142	4971	5547	5555	5185	5766	6245	5301	7347	5645	5558
February	3824	4888	4711	3800	5085	5216	5677	4781	4557	5666	5690	5121	5461
March	3974	4615	5074	5209	5444	4552	5651	2542	4580	6146	5753	5949	6619
Total	38816	44468	54389	53482	57293	57726	57892	49633	63681	68223	64563	71993	67590

TABLE - 19

GRADEWISE PRODUCTION OF SYNTHETIC RUBBER

(Tonnes)

Grade	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
SBR-1502	5124	8098	12075	9888	11982	8962	8099	4620	9289	11608	9897	6243	3035
SBR-1712	6280	6753	8325	8228	8745	8458	5406	1846	5425	7645	6265	5031	1183
SBR-1958	10361	13395	17131	18835	19808	21027	21355	22667	21773	17704	20529	17770	15139
Latex(drc)*	308	1008	1141	1326	1501	1902	1908	2153	3044	3389	4064	3038	1984
Nitrile	421	708	67	--	--	--	3108	2592	2614	2837	4300	3619	4445
Polybutadiene	15411	14488	15650	15105	15277	17365	17377	14728	19320	21442	15547	32789	36760
EPDM	--	--	--	--	--	--	2	1170	2194	3598	3597	3136	4619
Others	911	18	--	--	--	12	637	57	22	--	364	367	425
Total	38816	44468	54389	53482	57293	57726	57892	49633	63681	68223	64563	71983	67590
Annual growth rate	11.68	14.56	22.31	-1.67	7.13	0.76	0.29	-14.27	28.30	7.13	-5.36	11.51	-6.12

* Includes SBR Latex, VP Latex and Nitrile Latex.

TABLE - 20

GRADEWISE CONSUMPTION OF SYNTHETIC RUBBER

(Tonnes)

Grade	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Styrene buta- diene rubber @	31925	33420	39095	40945	45225	44035	45985	46310	48850	51920	54424	55220	51245
Polybutadiene	19735	20925	22920	24630	27115	27430	29875	31580	36195	38700	42033	50250	44040
Butyl	11243	12392	13780	18765	20884	21793	20051	21819	22782	24545	26845	32110	35910
Polychloroprene	1375	1987	2080	2568	2941	3065	3173	3187	3162	3795	3852	4610	4680
Nitrile	1866	2915	2960	3031	3580	3573	3848	3949	4148	4790	4880	5835	6455
Latex(drc)	2516	2345	2400	2455	3442	3570	3485	3593	3955	4320	4740	5070	5050
EPDM						680	815	1457	2018	3200	3400	4285	5865
Others*	3125	2426	905	1156	1548	1504	1458	1500	1600	2715	2636	3555	3050
Total	71785	76410	84150	93550	104735	105650	108690	113395	122710	134085	142810	160915	156395
Annual growth rate	2.50	6.44	10.13	11.17	11.96	0.87	2.88	4.33	8.21	9.27	6.51	12.88	-2.81

* : Include unclassified rubber also.

@ : Include SBR latex.

TABLE-21

STOCK OF SYNTHETIC RUBBER AT THE END OF EACH MONTH

(Tonnes)

Month	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99p
April	14920	14340	12625	15700	15150	16560	11155	14680	14070	14700	17710	20225	20100
May	16345	14815	12900	16920	16280	15385	11515	16850	14485	14485	17370	19872	19920
June	17305	14120	12950	17730	15800	14750	11070	18380	15955	14810	16470	21802	17415
July	18100	13500	14175	17600	15900	13125	11490	17920	16050	16110	15995	23205	16490
August	17500	14540	13525	17010	15500	13600	11350	15675	17420	17500	16400	22765	15275
September	17050	15125	13920	15930	14200	12770	11340	16890	16930	16300	15285	22252	17895
October	16800	14135	15250	16800	14000	12270	13160	14900	15190	16820	14340	19498	14910
November	17300	13020	15550	16650	17010	11690	12430	16790	16120	17195	15480	17555	15575
December	16330	13340	16075	17150	18780	11620	13200	16400	17190	17400	17420	22785	14660
January	16165	11860	16045	17800	19650	12380	12960	16790	18200	16360	19960	20580	20020
February	16440	13170	17010	16900	19100	12485	14480	16825	17235	16100	21150	19265	17455
March	15100	13245	17000	15500	19500	11470	12390	14665	20285	18760	31560	29030*	20805*

* : Including year end adjustment

TABLE - 22

PRODUCTION, IMPORT, CONSUMPTION AND EXPORT OF RECLAIMED RUBBER

(Tonnes)

Year	Production	Import	Consumption	Export
1960-61	2000*	3024	5453	—
1965-66	9500	179	9774	—
1970-71	15507	—	14348	259
1971-72	16710	—	15772	692
1972-73	17186	—	14666	1076
1973-74	18644	—	17784	1268
1974-75	19360	—	18096	1050
1975-76	19581	—	19342	141
1976-77	20256	—	20957	973
1977-78	21817	—	21681	1282
1978-79	27618	—	26330	1045
1979-80	26786	—	25660	953
1980-81	29336	—	26850	1127
1981-82	28787	—	28160	896
1982-83	28242	—	29190	520
1983-84	32964	—	30690	524
1984-85	34155	—	34625	446
1985-86	39195	—	38215	201
1986-87	38995	—	38635	188
1987-88	40535	—	41140	278
1988-89	40960	—	42450	699
1989-90	47615	—	46300	752
1990-91	53629	—	52500	985
1991-92	54185	—	54015	573
1992-93	61490	—	62470	379
1993-94	62780	—	63110	810
1994-95	64425	—	64855	1928
1995-96	65780	—	65775	2078
1996-97	66670	—	66585	3306
1997-98	69840	—	70085	2271
1998-99p	63980	—	63095	1252

*: Approximate

Source: For Import and export data upto 1990-91, "Monthly Statistics of Foreign Trade of India", published by Govt. of India & Chemicals and Allied Products Export Promotion Council.

TABLE-23

PRODUCTION, IMPORT, EXPORT AND CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER
(Tonnes)

Year	PRODUCTION			IMPORT			EXPORT		CONSUMPTION		
	Natural	Synthetic	Total	Natural	Synthetic	Total	Natural	Total	Natural	Synthetic	Total
1955-56	23730		23730	4428	1201	5629	12	5629	28445	461	28906
1956-57	24060		24060	7341	3134	10475	81	10475	29998	2865	32864
1957-58	24534		24534	11357	3014	14371		14371	33074	3161	36235
1958-59	24169		24169	12538	4229	16767		16767	35767	3477	39244
1959-60	24173		24173	15287	5718	21005		21005	40491	4964	45455
1960-61	25697		25697	23125	8097	31222		31222	48148	7397	55545
1961-62	27446		27446	22528	10121	32649		32649	48410	10186	58596
1962-63	32239		32239	23360	10297	33657		33657	53553	10723	64276
1963-64	37487	8075	45562	26275	8812	35087		35087	61155	11959	73114
1964-65	45616	11633	57249	15003	3315	18318		18318	61057	15285	76342
1965-66	50530	14741	65271	16357	2735	19092		19092	63765	21553	85318
1966-67	54818	22358	77176	23544	9606	29150		29150	68685	23592	92277
1967-68	64468	19942	84410	9551	3127	12678		12678	74518	23324	97842
1968-69	71054	25868	96922	8548	2909	11457		11457	85615	27238	113853
1969-70	81953	28689	110642	17821	4736	22557		22557	86213	30636	116849
1970-71	92171	29791	121962	2469	5014	7483		7483	87237	33160	120397
1971-72	101210	32911	134121	437	5627	6064		6064	96454	37209	133663
1972-73	112364	21832	134196	380	6044	6424		6424	104028	33913	137941
1973-74	125153	23542	148695	52	5609	5661	2700	5661	130302	23921	154223
1974-75	130143	17712	147855		6939	6939	350	6939	132604	24376	156980

TABLE 23(Contin.)

Year	PRODUCTION			IMPORT			EXPORT			CONSUMPTION		
	Natural	Synthetic	Total	Natural	Synthetic	Total	Natural	Synthetic	Total	Natural	Synthetic	Total
1975-76	137750	25119	162869		6391	6391			125692	32452		158144
1976-77	149632	23212	172844		7812	7812	12296		137623	34955		172578
1977-78	146987	27288	174275		9935	9935	11078		144967	36150		181117
1978-79	135297	28054	163351	14750	13309	28059			164524	40470		204994
1979-80	148470	29524	177994	32200	17314	49514			165245	43238		208483
1980-81	153100	25293	178393	9250	17492	26742			173630	47050		220680
1981-82	152870	28499	181369	42750	29659	72409			188420	52650		241070
1982-83	165850	30290	196140	33401	24394	57795			195545	55250		250795
1983-84	175280	32270	207550	35940	23287	59227			209480	62300		271780
1984-85	186450	37669	224119	37461	30248	67709			217510	65400		282910
1985-86	200465	34758	235223	41431	39086	80517			237440	70035		307475
1986-87	219520	38816	258336	45356	32600	77956			257305	71785		329090
1987-88	235197	44468	279665	53885	30100	83785			287480	76410		363890
1988-89	259172	54389	313561	59835	33950	93785			313830	84150		397980
1989-90	297300	53482	350782	44445	39000	83445			341840	93550		435390
1990-91	329615	57293	386908	49013	51715	100728			364310	104735		469045
1991-92	366745	57726	424471	15070	39210	54280	5834		380150	105650		485800
1992-93	393490	57892	451382	17884	47362	65246	5999		414106	108690		522795
1993-94	435160	49633	484793	19940	64338	84278	186		450480	113395		563875
1994-95	471815	63681	535496	8093	73860	81953	1961		486850	122710		608560
1995-96	508910	68223	575133	51635	71735	123370	1130		525465	134086		659550
1996-97	549425	64563	613988	19770	91050	110820	1598		561765	142810		704575
1997-98	583830	71993	655823	32070	86389	118459	1415		571820	160915		732735
1998-99p	605045	67590	672635	26413	80580	106993	1840		591545	156395		747940

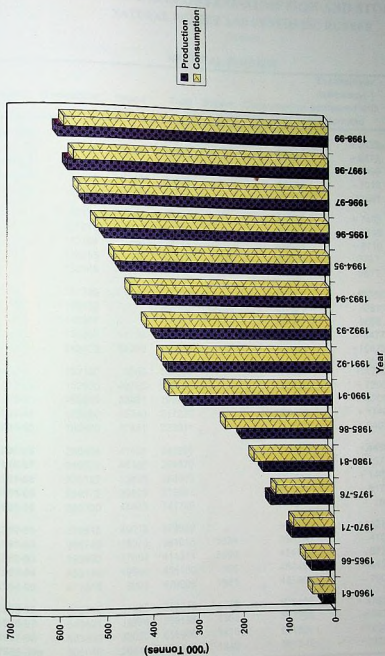
TABLE - 24

**TOTAL STOCK OF NATURAL AND SYNTHETIC RUBBER WITH PRODUCERS,
DEALERS AND MANUFACTURERS AT THE END OF EACH MONTH**

(Tonnes)

Month	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99p
April	72290	77325	90750	90140	101635	83000	83220	85970	78420	115050	125665	166545
May	79950	92440	93050	90850	102390	84485	88200	88070	74240	115270	125582	168850
June	76440	88410	83980	87950	93875	73920	79705	76805	67080	105920	124637	160005
July	75950	85280	79305	80285	83155	68585	70500	65420	68905	94710	117620	152435
August	78020	76565	78200	80705	81985	61250	69435	63685	81565	89310	113385	153675
September	81385	64800	77900	89940	90105	65470	85480	71490	98865	93185	122487	158825
October	86525	75420	80970	99240	98320	74870	89205	85685	111150	102560	133508	166120
November	88155	84440	86990	108880	107720	84275	101455	99695	126305	121300	149690	186795
December	90935	97020	95500	122110	117630	104135	112830	111250	144750	140850	179735	208735
January	92000	103095	94130	129415	125070	112385	122700	119175	155145	156555	196435	236130
February	83450	92270	92165	115460	110460	99145	106735	100765	136480	141835	180655	217840
March	77345	86280	85110	105930	92720	83430	91680	89835	121950	138870	176330	208770

Chart 6
PRODUCTION AND CONSUMPTION OF NR



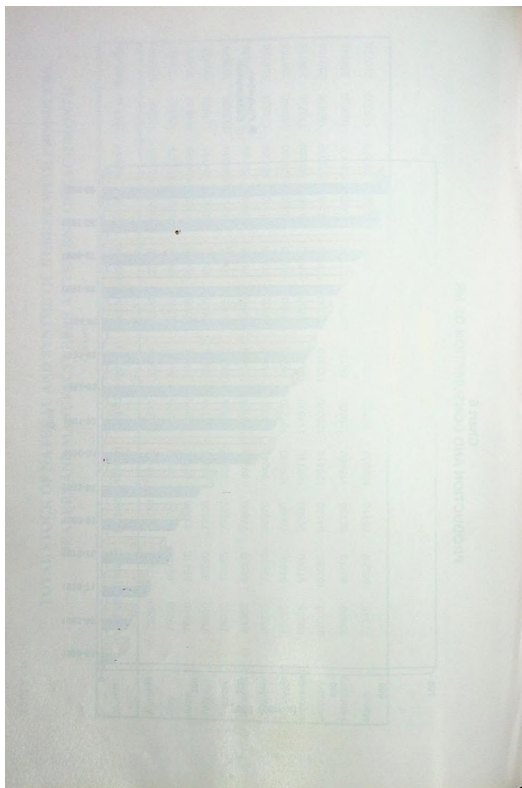


TABLE - 25

**PRODUCTION, IMPORT, CONSUMPTION AND STOCK OF
NATURAL RUBBER AND SYNTHETIC RUBBER**

(Tonnes)

NATURAL RUBBER							
Year	Production	Import	Total	Export	Consumption	Excess(+) or deficiency(-) compared with demand	Stock at the end of the period
1965-66	50530	16357	66887		63765	+ 3122	16573
1966-67	54818	23544	78362		68685	+ 9677	25978
1967-68	64468	9551	74019		74518	- 499	25348
1968-69	71054	8548	79602		86615	- 7013	18222
1969-70	81953	17821	99774		86213	+13561	31778
1970-71	92171	2469	94640		87237	+ 7403	39109
1971-72	101210	437	101647		96454	+ 5193	44277
1972-73	112364	380	112744		104028	+ 8716	52957
1973-74	125153	52	125205	2700	130302	-7797	45160
1974-75	130143		130143	350	132604	-2811	42349
1975-76	137750		137750		125692	+12058	53759
1976-77	149632		149632	12296	137623	-287	53085
1977-78	146987		146987	11078	144967	-9058	44027
1978-79	135297	14750	150047		164524	-14477	29515
1979-80	148470	32200	180670		165245	+15425	44910
1980-81	153100	9250	162350		173630	-11280	33700
1981-82	152870	42750	195620		188420	+ 7200	39700
1982-83	165850	33401	199251		195545	+ 3706	43400
1983-84	175280	35940	211220		209480	+ 1740	45150
1984-85	186450	37461	223911		217510	+ 6401	51550
1985-86	200465	41431	241896		237440	+ 4456	55360
1986-87	219520	45356	264876		257305	+ 7571	62700
1987-88	235197	53685	288882		287480	+ 1402	64100
1988-89	259172	59835	319007		313830	+ 5177	69280
1989-90	297300	44445	341745		341840	- 95	69610
1990-91	326615	49013	378628		364310	+14318	86430
1991-92	366745	15070	381815	5834	380150	- 4169	81250
1992-93	393490	17884	411374	5999	414105	- 8730	71140
1993-94	435160	19940	455100	186	450480	+ 4434	77015
1994-95	471815	8093	479908	1961	485850	- 7903	69550
1995-96	506910	51635	558545	1130	525465	+ 31950	103190
1996-97	549425	19770	569195	1598	561765	+ 5632	107310
1997-98	583830	32070	615900	1415	571820	+42665	147300
1998-99p	605045	26413	631458	1840	591545	+38073	187965

TABLE - 25 (Contn.)

SYNTHETIC RUBBER

Year	Production	Import	Total Consumption	Excess(+) or deficiency(-) compared with demand	Stock at the end of the period	
1965-66	14741	2735	17476	21553	- 4077	4875
1966-67	22358	5606	27964	23592	+ 4372	8819
1967-68	19942	3127	23069	23324	- 255	8358
1968-69	25868	2909	28777	27238	+ 1539	9751
1969-70	28689	4736	33425	30636	+ 2789	12548
1970-71	29791	5014	34805	33160	+ 1645	13994
1971-72	32911	5627	38538	37209	+ 1329	15323
1972-73	21832	6044	27876	33913	- 6037	9286
1973-74	23542	5609	29151	23921	+ 5230	14500
1974-75	17712	6939	24651	24376	+ 275	13878
1975-76	25119	6391	31510	32452	- 942	12445
1976-77	23212	7812	31024	34955	- 3931	9090
1977-78	27288	9935	37223	36150	+ 1073	10443
1978-79	28054	13309	41363	40470	+ 893	10700
1979-80	29524	17314	46838	43238	+ 3600	15200
1980-81	25293	17492	42785	47050	- 4265	10900
1981-82	28499	29659	58158	52650	+ 5508	16200
1982-83	30290	24394	54684	55250	- 566	15700
1983-84	32270	23287	55557	62300	- 6743	8980
1984-85	37669	30248	67917	65400	+ 2517	11650
1985-86	34758	39086	73844	70035	+ 3809	14470
1986-87	38816	32600	71416	71785	- 369	15100
1987-88	44468	30100	74568	76410	- 1842	13245
1988-89	54389	33950	88339	84150	+ 4189	17000
1989-90	53482	39000	92482	93550	- 1068	15500
1990-91	57293	51715	109008	104735	+ 4273	19500
1991-92	57726	39210	96936	105650	- 8714	11470
1992-93	57892	47362	105254	108690	- 3436	12390
1993-94	49633	64338	113971	113395	+ 576	14865
1994-95	63681	73860	137541	122710	+ 14831	20285
1995-96	68223	71735	139958	134085	+ 5873	18760
1996-97	64563	79640	144203	142810	+ 1393	20150
1997-98	71993	86389	158382	160915	-2533	29030
1998-99p	67590	80580	148170	156395	-8225	20805

TABLE - 26

STATEWISE CONSUMPTION OF ALL KINDS OF RUBBER

State/Union Territory	(Tonnes)											
	1970-71			1975-76			1980-81					
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Total	Natural	Synthetic	Reclaimed	Total	Total
Andhra Pradesh	+	+	+	+	+	+	+	+	+	+	+	+
Delhi	1956	199	96	2251	4168	591	196	4955	6311	1372	1071	8754
Goa & Daman	+	+	+	+	3483	268	78	3829	2409	350	55	2814
Gujarat	1192	161	45	1398	2138	447	230	2815	3034	560	583	4177
Haryana	4475	2439	193	7107	11110	3109	698	14917	14874	4421	1548	20943
Karnataka	631	609	358	1598	1920	953	644	3517	5770	1944	699	8413
Kerala	6739	1798	380	8917	9268	1062	1069	11399	19283	4673	2293	26249
Maharashtra	19696	9897	3231	32824	28400	10668	4612	43680	33119	11678	5748	50545
Punjab	2277	206	269	2752	5743	227	206	6176	13232	1565	2463	17260
Rajasthan	+	+	+	+	+	+	+	+	5482	2448	69	7989
Tamilnadu	17548	5966	2628	26142	20900	4140	3526	28566	17050	4961	2472	24483
Uttar Pradesh	1160	153	59	1372	9672	1363	501	11536	22578	4601	2057	29236
West Bengal	30988	11634	7015	49637	27300	9090	7482	43872	27414	7771	7571	42756
Others	575	98	74	747	1590	534	100	2224	751	456	45	1252
Total	87237	33160	14348	134745	125692	32452	19342	177486	173630	47050	28850	247530

+: Included in others.

TABLE - 26(Contin.)

State/Union Territory	1985-86			1990-91			1991-92						
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total	
Andhra Pradesh	4538	901	+	439	5878	8907	2594	1743	13244	13992	3865	2282	20139
Bihar	+	+	+	+	+	+	+	+	+	1037	229	73	1339
Delhi	10209	1654	552	12415	15613	3747	1804	21164	16322	3696	1875	21893	
Goa & Daman	4180	1683	162	6025	6214	1501	667	8382	7914	1235	549	9688	
Gujarat	4962	780	293	6035	6889	1402	1021	9312	8386	1339	1051	10776	
Haryana	18780	7025	925	26730	22728	7106	1373	31207	24641	6593	1679	32913	
Karnataka	11670	5119	1912	18701	16978	6602	2267	25847	18486	6459	2466	27411	
Kerala	28341	5896	3375	37612	55365	15232	5015	75612	51197	14893	4853	70943	
Madhya Pradesh	920	297	24	1241	4120	1040	1151	6311	5290	1246	1754	8290	
Maharashtra	37351	14966	6550	58867	47219	21370	8729	77318	48321	20904	9360	79585	
Orissa	+	+	+	+	+	+	+	+	+	3599	1607	57	5263
Pondicherry	+	+	+	+	+	+	+	+	+	3692	1021	91	4804
Punjab	27172	3845	10637	41654	46158	3735	12917	62810	51571	5025	13295	69891	
Rajasthan	12259	3623	207	16089	17936	6932	567	25435	17968	6265	473	24706	
Tamilnadu	19097	7340	3150	29587	21213	11254	4428	36895	20402	9294	4195	33891	
Uttar Pradesh	29458	6889	4523	40870	46795	11396	5870	64061	47448	11934	5389	64771	
West Bengal	27538	9091	5445	42074	42292	9635	4794	56721	38338	10030	4558	52926	
Others	965	926	21	1912	5883	1189	154	7226	546	15	15	576	
Total	237440	70035	38215	345690	364310	104735	52500	521545	380150	105650	54015	539815	

+ : Included In others.

NOTE: In 1975-76 consumption of rubber by M/S MRF Ltd. at their Kottayam unit was included in Tamil Nadu, but from 1980-81 onwards it is included in Kerala.

TABLE - 26(Contn.)

State/Union Territory	1992-93			1993-94			1994-95					
	Natural	Synthetic	Total	Natural	Synthetic	Total	Natural	Synthetic	Total			
Andhra Pradesh	15003	5124	2692	22819	14997	5673	2610	23280	18321	6121	2982	27424
Bihar	985	242	181	1408	1095	242	185	1522	1019	264	196	1479
Delhi	17201	3571	2200	22972	18810	3172	1711	23693	18719	2581	1848	23148
Goa & Daman	10533	1375	609	12517	9434	2008	591	12033	8908	2311	368	11587
Gujarat	15618	2851	1650	20119	20303	3457	1677	25437	21833	3690	1709	27232
Haryana	27198	6554	2085	35837	31133	6591	1891	39615	29022	7481	1806	38309
Karnataka	19598	6689	3222	29509	21061	6755	3739	31555	22332	7200	4292	33824
Kerala	52462	15946	5365	73473	54108	16441	5333	75882	64660	18984	6100	89744
Madhya Pradesh	9579	1954	1839	13372	12675	2500	1895	17070	14733	2504	1998	19235
Maharashtra	49174	20923	9707	79804	51976	21328	9725	83029	58618	22947	9952	91517
Orissa	9308	3500	225	13033	10980	4154	221	15355	12673	4138	222	17033
Pondicherry	3720	1022	36	4778	3871	1070	35	4976	1562	609	40	2211
Punjab	53763	4859	15808	74430	55374	5494	16252	77120	58008	5515	15128	78651
Rajasthan	22395	6385	517	29297	23358	6173	503	30034	24997	6526	498	32021
Tamilnadu	22003	7786	4566	34355	25270	8088	4654	38012	25882	10602	4779	41263
Uttar Pradesh	44962	10218	6486	61666	52897	10716	6783	70396	62120	12550	7435	82105
West Bengal	38485	9942	5251	53678	40554	9481	5268	55303	41168	8627	5272	55067
Others	2118	49	31	2198	2584	52	37	2673	1275	60	30	1365
Total	414105	108690	62470	585265	450480	113395	63110	626985	485850	122710	64655	673215

TABLE - 26(Contd.)

State/Union Territory	1995-96			1996-97			1997-98		
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total	Total
Andhra Pradesh	19015	6573	3115	28703	18728	7416	3302	29446	36723
Bihar	1151	341	206	1698	1250	454	191	1895	1972
Delhi	19819	2749	1868	24436	17981	2611	1699	22281	21691
Goa & Daman	11689	2606	530	14825	22682	3007	485	26174	26858
Gujarat	24245	4058	1715	30018	30230	5181	1752	37163	39193
Haryana	31194	8270	1775	41239	31526	8165	1805	41496	45600
Karnataka	24285	7294	4324	35903	23268	7482	4541	35291	39794
Kerala	75200	22727	6232	104159	67144	24575	5968	97687	102637
Madhya Pradesh	19183	3124	2045	24352	20814	3967	1816	26697	28020
Maharashtra	62840	24899	9673	97412	62608	24675	9434	96717	88016
Orissa	16893	4141	430	21464	18137	4378	405	22920	24365
Pondicherry	3067	816	42	3925	3081	887	40	4008	3581
Punjab	62028	5993	15230	83251	68750	6793	16591	92134	105167
Rajasthan	22249	6056	546	28851	30079	7993	592	38664	40067
Tamilnadu	25844	10657	4793	41294	37884	12019	4890	54793	56391
Uttar Pradesh	65134	14265	7891	87290	63860	13977	7627	85464	86805
West Bengal	39908	9449	5314	54671	42105	9153	5407	56665	54735
Others	1721	67	46	1834	1538	77	50	1665	1205
Total	525465	134085	65775	725325	561765	142810	66595	771160	802820

TABLE - 27

VALUE OF RUBBER IMPORTED FROM VARIOUS COUNTRIES

('000 Rs)

Natural Rubber

Country	1975-76	1980-81	1982-83	1984-85	1986-87	1988-89	1989-90	1990-91
Malaysia	35437	137357	271982	345150	822277	519178	472748	164155
Singapore	39	61252	52337	1993	10730	70333	8480	8867
Sri Lanka	..	..	19189	6014	3418	11753	21	3409
U. S. A	12	587	55	237	264	10842	..	..
Canada	488	117	..	..	..	..	..	..
U. K	70	96	186	9	26	4499	273	1153
Germany(FR)	..	38	164	31	1472	2360	7	..
France	546	110	318	968	2237	11779	221	..
Belgium	1039	..	76	..	..	208	..	3235
Others	582	2409	49046	48843	78163	48394	76405	108724
Total	2776	100046	258728	330077	441460	943386	674918	762291

Country	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Thailand	112017	218084	259836	84153	906974	331804	524961	364184
Malaysia	123021	133422	167271	125420	1141140	325100	423509	193254
Singapore	21929	7000	15385	12348	317905	82858	26832	77190
Sri Lanka	32107	91844	103048	7205	214590	216554	87125	40292
U. S. A	1081	641	..	304	17276	4706	408	10900
Canada	..	..	..	..	7117	..	25	..
U. K	1	158	..	..	4539	..	29	1110
Germany(FR)	..	..	..	2	11565	..	38	4353
France	..	28	..	2675	7155	..	..	..
Belgium	..	..	..	..	3487	..	..	..
Others	5282	15280	3269	40009	152675	43350	153692	178562
Total	295438	466457	548809	272116	2784423	1004372	1216619	870845

TABLE - 27(Contn.)

Synthetic and Reclaimed Rubber*

Country	1975-76	1980-81	1982-83	1984-85	1986-87	1988-89	1989-90	1990-91
U.S.A	8584	53923	68064	58432	35621	90767	99865	169848
Canada	6324	10502	92	17438	44866	3318	26	14845
Germany(FR)	6184	15050	13482	50265	40634	45047	73340	103365
U. K	1259	2459	6242	8905	18423	48010	46762	57240
France	4901	12116	29244	50292	50328	37831	59026	147074
Netherlands	728	997	9792	2401	2902	7204	14931	21230
Belgium	26272	38268	79912	70462	68287	143936	203476	280916
Japan	10744	42232	123514	202354	270249	300382	380650	443534
Others	166	13787	50248	81649	101872	109204	181639	258988
Total	65162	189334	380590	542198	633182	785719	1059715	1497050

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Country	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97p	1997-98p	1998-99p
U.S.A	123707	238822	217630	194740	342214	379592	337586	212656
Canada	14896	117143	71829	49011	142302	149857	286420	361855
Germany(FR)	119447	189774	173442	300791	315298	356867	320315	298153
U. K	40868	44267	82534	82574	70279	125816	163121	157302
France	156016	218208	308474	519020	673397	944163	827480	556804
Netherlands	22291	24557	11774	12488	23364	41510	36726	39835
Belgium	231714	269887	308577	464586	290710	522586	132436	33412
Japan	592715	675105	1166497	1152812	1387977	1365998	1268458	1325979
Others	232091	362392	530076	667196	1164116	1418305	1384464	2072405
Total	1523745	2140155	2870833	3443218	4409677	5304694	4757006	5046401

* Including waste and scrap of unhardened rubber

Source: "Monthly Statistics of Foreign Trade of India", published by the Government of India.

TABLE 28

PRICE OF UNGRADED NATURAL RUBBER

(Rs. per 100 kg. in Kottayam market)

Month	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
April	1580	1706	1802	1714	1839	2170	1994	2327	2469	2514	5350	4897	3842	2495
May	1651	1706	1797	1721	1978	2195	2014	2417	2532	2645	5898	4964	4110	2665
June	1655	1620	1725	1693	2233	2349	2005	2541	2618	2685	5729	5051	3973	2976
July	1692	1566	1799	1726	2410	2133	2009	2428	2567	2882	4793	4783	3621	2898
August	1706	1552	1730	1776	2309	1880	2018	2465	2511	3112	3982	4653	3903	2755
September	1678	1501	1705	1838	1942	2013	1959	2547	2375	3517	4064	4617	3549	2757
October	1672	1496	1697	1825	1844	1894	1916	2589	2271	3350	4153	4529	3264	2841
November	1625	1505	1643	1699	1823	1888	1882	2332	2199	3033	4219	4338	3103	2792
December	1616	1508	1636	1674	1943	1885	1903	2225	2311	3574	5243	4272	2575	2575
January	1669	1585	1735	1699	2115	1947	1898	2256	2414	3894	5124	4224	2566	2465
February	1672	1649	1714	1764	2103	1968	1912	2469	2470	4501	5068	4057	2453	2427
March	1714	1709	1731	1809	2146	1954	2194	2442	2508	5042	4865	3991	2541	2519
Average	1661	1592	1726	1745	2057	2023	1975	2420	2437	3396	4874	4531	3292	2689

Indian Rubber Statistics Vol 23, 1999.

TABLE - 29

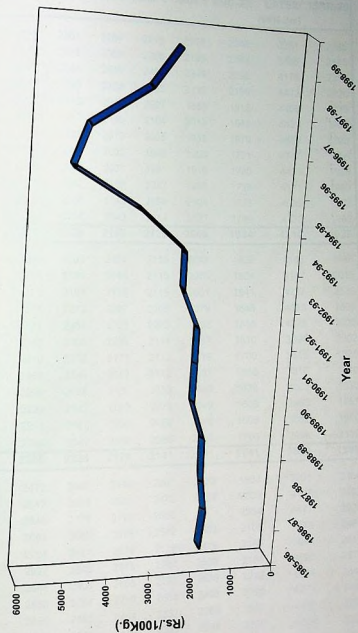
PRICE OF DIFFERENT GRADES OF NATURAL RUBBER

(Rs. per 100 kg in Kottayam Market)

Month		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBC-2X	LATEX (60% drc)
April	1987	1885	1865	1840	1816	1802	1403	2349
May	"	1930	1910	1885	1847	1797	1535	2680
June	"	1900	1875	1857	1821	1725	1520	2612
July	"	1935	1915	1900	1860	1799	1564	2665
August	"	1910	1890	1870	1816	1730	1550	2623
September	"	1860	1825	1790	1750	1705	1543	2534
October	"	1870	1830	1800	1753	1697	1555	2496
November	"	1910	1850	1795	1746	1643	1500	2594
December	"	1920	1875	1800	1743	1685	1430	2566
January	1988	1960	1905	1845	1788	1754	1500	2631
February	"	1930	1885	1820	1778	1735	1475	2745
March	"	1925	1872	1805	1768	1746	1460	2780
Average		1911	1875	1834	1791	1735	1503	2605
April	1988	1900	1840	1800	1762	1735	1460	2872
May	"	1900	1845	1800	1776	1750	1475	2893
June	"	1895	1842	1800	1786	1725	1485	2900
July	"	1930	1885	1850	1828	1755	1510	3000
August	"	1990	1940	1920	1894	1826	1545	3025
September	"	2006	1972	1939	1904	1862	1590	3160
October	"	1990	1958	1925	1902	1856	1593	3315
November	"	1903	1868	1827	1792	1699	1510	3320
December	"	1885	1845	1791	1757	1674	1492	3211
January	1989	1873	1833	1781	1755	1699	1465	3232
February	"	1868	1834	1809	1789	1764	1490	3239
March	"	1889	1875	1855	1834	1809	1545	3207
Average		1919	1878	1841	1815	1763	1513	3114
April	1989	1920	1904	1884	1858	1839	1570	3056
May	"	2150	2095	2050	2020	1978	1655	3079
June	"	2402	2349	2319	2284	2233	1922	3061
July	"	2658	2620	2575	2538	2410	2221	3551
August	"	2632	2599	2545	2509	2309	2199	3633
September	"	2085	2065	2055	2047	1942	1950	3211
October	"	2050	1975	1920	1902	1844	1795	3008
November	"	2131	2044	1982	1933	1823	1753	3005
December	"	2190	2125	2048	2007	1943	1804	2968
January	1990	2308	2258	2234	2163	2115	1969	3113
February	"	2308	2265	2212	2135	2103	1988	3129
March	"	2334	2297	2246	2175	2146	2017	3181
Average		2310	2260	2214	2169	2087	1962	3186

TABLE - 27 (Contn.)

Chart 7
PRICE OF INDIGENOUS RSS 4 GRADE RUBBER
 (In Kottayam District)



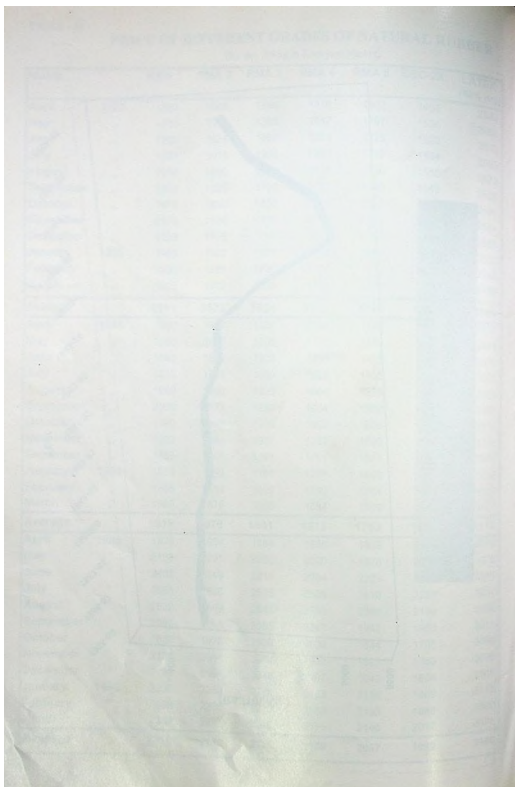


TABLE -29(Contd.)

Month		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBC-2X	LATEX (60% drc)	ISNR-20
April	1990	2356	2301	2264	2213	2170	2048	3281	2165
May	"	2375	2328	2300	2266	2195	2143	3466	2180
June	"	2575	2535	2515	2408	2349	2296	4176	2319
July	"	2428	2360	2338	2282	2133	2195	4412	2220
August	"	2200	2150	2078	2027	1880	1913	4456	1915
September	"	2267	2217	2155	2104	2013	1945	4431	1900
October	"	2210	2138	2070	2025	1938	1870	4689	1893
November	"	2103	2057	2030	1980	1920	1771	4747	1895
December	"	2119	2066	2031	1981	1916	1730	4471	1925
January	1991	2190	2142	2108	2047	1988	1729	4191	1960
February	"	2242	2207	2146	2096	2024	1773	4085	1972
March	"	2245	2204	2143	2114	2027	1799	4120	1985
Average		2276	2225	2182	2129	2046	1934	4210	2027
April	1991	2247	2203	2154	2113	2042	1826	4183	1980
May	"	2206	2181	2145	2115	2075	1804	4147	2015
June	"	2213	2183	2136	2115	2061	1841	4227	2030
July	"	2318	2273	2227	2166	2079	1849	4335	2005
August	"	2431	2384	2335	2285	2188	1853	4329	2020
September	"	2363	2305	2239	2174	2107	1810	3994	2002
October	"	2310	2250	2173	2115	2015	1700	3625	1925
November	"	2300	2240	2143	2112	2037	1650	3316	1910
December	"	2209	2158	2103	2083	2040	1639	3053	1930
January	1992	2220	2142	2097	2075	2040	1603	2993	1957
February	"	2211	2161	2099	2069	2040	1605	3052	1950
March	"	2394	2341	2300	2268	2245	1706	2996	2139
Average		2285	2235	2179	2141	2081	1741	3688	1989
April	1992	2472	2441	2415	2397	2333	1953	3201	2354
May	"	2642	2595	2525	2470	2453	2033	4167	2423
June	"	2840	2778	2723	2680	..	2254	4447	2628
July	"	2691	2660	2598	2542	2453	2155	4075	2464
August	"	2704	2671	2619	2577	2479	2159	3642	2510
September	"	2927	2849	2813	2764	2589	2184	3526	2576
October	"	2988	2906	2855	2793	2639	2212	4104	2648
November	"	2856	2754	2710	2583	2403	2090	4271	2458
December	"	2635	2585	2451	2332	2263	1967	4312	2278
January	1993	2624	2538	2410	2363	2298	2007	4332	2320
February	"	2735	2666	2613	2562	2508	2255	4530	2466
March	"	2750	2668	2656	2534	2488	2178	4540	2486
Average		2739	2676	2616	2550	2446	2121	4096	2468

Note:-Regarding Consumption Group, see page 51.

TABLE FOR DIFFERENT GRADES OF NATURAL RUBBER

Grade	1901	1902	1903	1904	1905	1906	1907	1908
1st	100	100	100	100	100	100	100	100
2nd	95	95	95	95	95	95	95	95
3rd	90	90	90	90	90	90	90	90
4th	85	85	85	85	85	85	85	85
5th	80	80	80	80	80	80	80	80
6th	75	75	75	75	75	75	75	75
7th	70	70	70	70	70	70	70	70
8th	65	65	65	65	65	65	65	65
9th	60	60	60	60	60	60	60	60
10th	55	55	55	55	55	55	55	55
11th	50	50	50	50	50	50	50	50
12th	45	45	45	45	45	45	45	45
13th	40	40	40	40	40	40	40	40
14th	35	35	35	35	35	35	35	35
15th	30	30	30	30	30	30	30	30
16th	25	25	25	25	25	25	25	25
17th	20	20	20	20	20	20	20	20
18th	15	15	15	15	15	15	15	15
19th	10	10	10	10	10	10	10	10
20th	5	5	5	5	5	5	5	5

TABLE -29(Contd.)

Month		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBG-2X	LATEX (60% drc)	ISNR-20
April	1990	2356	2301	2264	2213	2170	2048	3281	2165
May	"	2375	2328	2300	2266	2195	2143	3466	2180
June	"	2575	2535	2515	2408	2349	2296	4176	2319
July	"	2428	2360	2338	2282	2133	2195	4412	2220
August	"	2200	2150	2078	2027	1880	1913	4456	1915
September	"	2267	2217	2155	2104	2013	1945	4431	1900
October	"	2210	2138	2070	2025	1938	1870	4689	1893
November	"	2103	2057	2030	1980	1920	1771	4747	1895
December	"	2119	2066	2031	1981	1916	1730	4471	1925
January	1991	2190	2142	2108	2047	1988	1729	4191	1960
February	"	2242	2207	2146	2096	2024	1773	4085	1972
March	"	2245	2204	2143	2114	2027	1799	4120	1985
Average		2276	2225	2182	2129	2046	1934	4210	2027
April	1991	2247	2203	2154	2113	2042	1826	4183	1980
May	"	2206	2181	2145	2115	2075	1804	4147	2015
June	"	2213	2183	2136	2115	2061	1841	4227	2030
July	"	2318	2273	2227	2166	2079	1849	4335	2005
August	"	2431	2384	2335	2285	2188	1853	4329	2020
September	"	2363	2305	2239	2174	2107	1810	3994	2002
October	"	2310	2250	2173	2115	2015	1700	3625	1925
November	"	2300	2240	2143	2112	2037	1650	3316	1910
December	"	2209	2158	2103	2083	2040	1639	3053	1930
January	1992	2220	2142	2097	2075	2040	1603	2993	1957
February	"	2211	2161	2099	2069	2040	1605	3052	1950
March	"	2394	2341	2300	2268	2245	1706	2996	2139
Average		2285	2235	2179	2141	2081	1741	3688	1989
April	1992	2472	2441	2415	2397	2333	1953	3201	2354
May	"	2642	2595	2525	2470	2453	2033	4167	2423
June	"	2840	2778	2723	2680	..	2254	4447	2628
July	"	2691	2660	2598	2542	2453	2155	4075	2464
August	"	2704	2671	2619	2577	2479	2159	3642	2510
September	"	2927	2849	2813	2764	2589	2184	3526	2576
October	"	2988	2906	2855	2793	2639	2212	4104	2648
November	"	2856	2754	2710	2583	2403	2090	4271	2458
December	"	2635	2585	2451	2332	2263	1967	4312	2278
January	1993	2624	2538	2410	2363	2298	2007	4332	2320
February	"	2735	2666	2613	2562	2508	2255	4530	2466
March	"	2750	2668	2656	2534	2488	2178	4540	2486
Average		2739	2676	2616	2550	2446	2121	4096	2468

Note:-Regarding Consumption Group, see page 51.

TABLE -29(Contd.)

Month		RMA 1	RMA 2	RMA 3	RMA 4	RMA 5	EBC-2X	LATEX (60% drc)	ISNR-20
April	1993	2764	2688	2608	2552	2514	2220	4340	2485
May	"	2831	2731	2664	2606	2564	2276	4340	2522
June	"	2970	2885	2800	2737	2688	2346	4664	2647
July	"	2906	2813	2738	2681	2606	2365	4581	2598
August	"	2894	2794	2733	2668	2593	2380	4459	2568
September	"	2795	2695	2625	2564	2448	2319	4470	2437
October	"	2643	2543	2468	2390	2327	2175	4456	2342
November	"	2655	2555	2479	2412	2308	2095	4397	2238
December	"	2725	2625	2550	2484	2349	2103	4304	2331
January	1994	2765	2665	2593	2546	2454	2201	4314	2416
February	"	2838	2738	2688	2593	2553	2310	4399	2542
March	"	2844	2744	2694	2599	2545	2247	4349	2540
Average		2803	2706	2637	2569	2496	2253	4423	2472
April	1994	2855	2755	2705	2621	2577	2253	4240	2550
May	"	2967	2838	2775	2749	2674	2358	4365	2661
June	"	3115	3050	2940	2851	2751	2442	4440	2728
July	"	3175	3095	NT	3014	2949	2577	4376	2871
August	"	3950	3800	3793	3559	3289	2732	4469	3074
September	"	4508	4363	4300	4148	3888	2810	4655	3474
October	"	3831	3550	3475	3548	3411	2883	5100	3489
November	"	3657	3405	3228	3219	3172	2902	4922	3127
December	"	4275	4175	4075	3841	3768	3213	5000	3515
January	1995	4688	4600	4467	4273	4088	3801	5680	3913
February	"	5104	5040	4777	4637	4545	4274	6333	4680
March	"	5486	5474	5297	5195	5091	4871	7143	5087
Average		3744	3615	3561	3419	3301	2875	5061	3213
April	1995	5803	5650	5605	5441	5415	5269	7690	5477
May	"	6633	NT	NT	6047	5966	5683	8420	5889
June	"	6674	NT	NT	6171	5797	5677	9197	5801
July	"	5768	NT	NT	5231	5065	4974	8293	4960
August	"	4921	NT	NT	4295	4116	3815	6558	3758
September	"	4800	4500	4225	4197	4121	3681	6476	3939
October	"	5354	NT	NT	4694	4350	3934	7550	4110
November	"	5493	5350	NT	4925	4461	4146	8038	4176
December	"	6082	NT	NT	5598	5390	4852	8902	5140
January	1996	6171	5880	5800	5588	5347	5063	8456	5350
February	"	5788	5500	5400	5249	5148	4846	7509	5123
March	"	5613	5500	5300	5006	4948	4775	7090	4890
Average		5758	5397	5266	5204	5010	4726	7848	4893

TABLE -29(Contd.)

Month		RSS 1	RSS 2	RSS 3	RSS 4	RSS 5	EBC-2X	LATEX (60% drc)	ISNR-20
April	1996	5566	NT	5250	5005	4970	4747	6852	4925
May	"	5583	5350	NT	5252	5066	4914	7047	5020
June	"	5935	5650	NT	5385	5243	5062	7623	5285
July	"	5675	5450	NT	5125	5004	4876	6718	4940
August	"	5549	5200	NT	5033	4920	4738	6270	4695
September	"	5472	5350	NT	5080	4814	4585	6229	4700
October	"	5467	5380	5200	5112	4773	4397	6429	4570
November	"	5358	5200	NT	4898	4624	4248	6218	4262
December	"	5203	5125	5000	4752	4466	3951	5841	4128
January	1997	5219	NT	NT	4699	4424	3909	5750	4300
February	"	4840	4520	NT	4286	4202	3822	5295	4078
March	"	4703	4650	4600	4199	4135	3799	4783	4038
Average		5381	5188	5013	4901	4720	4421	6255	4578
April	1997	4609	4528	4319	3980	3935	3661	4983	3880
May	"	4977	4758	4699	4483	4246	3952	4830	4130
June	"	4825	4600	4475	4224	4104	4003	5590	4185
July	"	4613	NT	4020	3937	3785	3746	5455	3778
August	"	4812	4668	4496	4298	4075	3896	5498	4093
September	"	4541	NT	4102	3892	3758	3422	5667	3705
October	"	4100	3811	3637	3495	3410	3170	5720	3250
November	"	3925	3750	3473	3389	3290	3017	5756	3146
December	"	3410	NT	3088	2970	2790	2594	5680	2640
January	1998	3356	3225	2938	2890	2749	2546	5265	2644
February	"	3115	3000	2808	2700	2584	2460	5102	2602
March	"	3100	3000	2750	2700	2616	2468	5105	2593
Average		4115	3927	3734	3580	3445	3245	5386	3387
April	1998	3068	2894	2729	2653	2588	2457	4905	2617
May	"	3500	3400	2961	2892	2755	2581	5000	2685
June	"	3925	3713	3613	3457	3202	3012	5386	3185
July	"	3854	3700	3476	3314	3090	2904	5326	3079
August	"	3642	3479	3214	3022	2898	2778	4740	2860
September	"	3536	3377	3108	2935	2844	2656	4523	2750
October	"	3840	3621	3421	3338	3112	2837	4715	2941
November	"	3781	3600	3404	3289	3113	2792	4485	2766
December	"	3513	3213	3098	2968	2856	2487	3991	2577
January	1999	3451	3224	2948	2695	2608	2406	3493	2531
February	"	3263	3067	2788	2625	2536	2388	3415	2505
March	"	3261	3050	2872	2737	2672	2478	3331	2607
Average		3553	3362	3136	2994	2856	2648	4443	2759

Note: RMA-1X, RMA-1, RMA-2, RMA-3, RMA-4 and RMA-5 are changed to RSS-1X, RSS-1, RSS-2, RSS-3, RSS-4 and RSS-5 respectively vide Gazette Notification No. G.S.R.561(E) dated 5th July 1994, issued by Ministry of Commerce, Govt. of India.

TABLE - 30

AVERAGE PRICE OF INDIGENOUS SYNTHETIC RUBBER

(Rs. per 100 kg)

Year	Styrene butadiene (Ex-Bareilly price)		Poly butadiene (Ex-Baroda Price)	
	1500/1502	1712	1958	1203/1220
1963-64	417	371	565	---
1964-65	392	343	565	---
1965-66	385	340	565	---
1966-67	424	379	604	---
1967-68	445	400	641	---
1968-69	515	465	680	---
1969-70	493	443	680	---
1970-71	440	390	680	---
1971-72	440	390	680	---
1972-73	440	390	680	---
1973-74	427	377	614	---
1974-75	902	732	1226	---
1975-76	779	720	1370	---
1976-77	813	763	1378	---
1977-78	855	805	1420	---
1978-79	909	858	1440	853
1979-80	1222	1134	1732	976
1980-81	1507	1317	2019	1224
1981-82	1729	1542	2130	1414
1982-83	1833	1634	2210	1477
1983-84	1853	1651	2226	1477
1984-85	2086	1808	2382	1698
1985-86	2350	2110	2736	1928
1986-87	2517	2285	2915	2072
1987-88	2600	2380	3107	2180
1988-89	2886	2654	3368	2246
1989-90	3280	2820	3690	2505
1990-91	4010	3700	4340	2903
1991-92	4899	4536	5177	3632
1992-93	5184	4824	5463	4000
1993-94	5181	4770	5389	4200
1994-95	4764	4269	5494	4200
1995-96	6212	5629	7105	6048
1996-97	5967	5375	7000	6071
1997-98	4734	4279	6623	5200
1998-99	5076	4569	6543	4525

Note: The prices are exclusive of excise duty and other taxes.

Source: M/s. Synthetics & Chemicals Ltd and Indian Petro Chemicals Corporation Ltd.

TABLE - 31

DISTRIBUTION OF MANUFACTURERS ACCORDING TO THEIR TOTAL CONSUMPTION OF RUBBER

Consumption Group	No. of Manufacturers	1970-71				No. of Manufacturers	1975-76				Total
		CONSUMPTION (In Tonnes)					CONSUMPTION (In Tonnes)				
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total	
A	847	2108	445	173	2786	1097	5133	671	486	6290	
B	280	5862	1210	415	7487	503	12127	1819	1030	14976	
C	62	3407	1173	399	4979	135	9178	1597	628	11403	
D	68	9577	3270	1666	14513	84	13425	3646	2168	19239	
E	13	6138	1802	1953	9893	10	4830	824	1450	7104	
F	11	60085	25260	9742	95087	15	80999	23895	13580	118474	
Total	1281	87237	33160	14348	134745	1844	125692	32452	19342	177486	

Consumption Group	No. of Manufacturers	1980-81 CONSUMPTION (In Tonnes)				Total	No. of Manufacturers	1985-86 CONSUMPTION (In Tonnes)				Total
		Natural	Synthetic	Reclaimed	Total			Natural	Synthetic	Reclaimed	Total	
A	1696	4202	597	496	5295	1955	7951	1356	774	10081		
B	817	17016	2831	2116	21963	1318	25805	4108	3792	33705		
C	159	9944	2901	2431	15276	241	14356	4951	3030	22337		
D	112	17783	5834	3830	27447	201	32821	13340	5157	51318		
E	18	9874	2731	1771	14176	21	8263	4108	3203	15572		
F	24	115011	32156	16206	163373	33	148244	42174	22259	212877		
Total	2826	173630	47050	26850	247530	3769	237440	70035	38215	345690		

Note:-Regarding Consumption Group, see page 51.

TABLE - 31(Contn.)

Consumption Group	No. of Manufacturers	1990-91 CONSUMPTION (In Tonnes)				No. of Manufacturers	1991-92 CONSUMPTION (In Tonnes)			
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total
A	2686	11023	3199	1625	15847	2549	11206	2601	2039	15846
B	1639	38447	11043	5724	55214	1936	42177	9694	6697	58568
C	335	19062	5810	3503	28375	412	23313	8959	4682	34954
D	291	56490	18640	10570	85700	273	48163	20993	13326	82482
E	34	18892	4731	1840	25463	40	22428	5365	2758	30551
F	43	220396	61312	29238	310946	39	232863	60038	24513	317414
Total	5028	364310	104735	52500	521545	5249	380150	105650	54015	539815

Consumption Group	No. of Manufacturers	1992-93 CONSUMPTION (In Tonnes)				Total	No. of Manufacturers	1993-94 CONSUMPTION (In Tonnes)				Total
		Natural	Synthetic	Reclaimed				Natural	Synthetic	Reclaimed		
A	2483	11147	2303	2056	15506	2340	12870	2374	1739	16983		
B	1988	45288	8585	6795	60668	2026	45384	8679	6593	60656		
C	463	28177	6482	5752	40411	468	29091	6664	5488	41243		
D	295	49343	20232	18102	87677	420	80373	20504	19139	100016		
E	35	21477	5418	2773	29668	48	27591	5350	3384	36325		
F	38	258673	65670	26992	351335	44	275171	69824	26767	371762		
Total	5302	414105	108690	62470	585265	5346	450480	113395	63110	626985		

Note:-Regarding Consumption Group, see page 51.

TABLE - 31 (Contn.)

Consumption Group	No. of Manufacturers	1994-95 CONSUMPTION (In Tonnes)				No. of Manufacturers	1995-96 CONSUMPTION (In Tonnes)			
		Natural		Synthetic			Natural		Synthetic	
		Reclaimed	Total	Reclaimed	Total		Reclaimed	Total	Reclaimed	Total
A	2260	10489	2151	1468	14108	2421	13025	2400	1716	17141
B	2155	45669	8474	6773	60816	2184	50100	9578	7076	66754
C	480	30269	5939	5608	41816	489	32485	6763	5805	45053
D	418	62427	21910	19636	103973	380	70324	23782	19737	113843
E	49	27564	4695	3484	35743	51	29005	4275	3731	37011
F	48	309532	79541	27686	416759	47	330526	87287	27710	445523
Total	5408	485850	122710	64655	673215	5572	525465	134085	65775	725325

Consumption Group	No. of Manufacturers	1996-97 CONSUMPTION (In Tonnes)				No. of Manufacturers	1997-98 CONSUMPTION (In Tonnes)			
		Natural		Synthetic			Natural		Synthetic	
		Reclaimed	Total	Reclaimed	Total		Reclaimed	Total	Reclaimed	Total
A	2412	13713	2693	1538	17944	2406	14103	3332	1684	19119
B	2206	56118	10864	7089	74071	2211	57718	13440	7759	78917
C	504	33495	7013	5810	46318	509	34224	8676	5909	48809
D	368	77442	24962	18391	120795	370	79649	30881	20129	130659
E	49	25135	5158	3381	33674	51	28272	5786	3089	37147
F	49	355962	92120	30376	478358	48	357854	98800	31515	488169
5588	561765	142810	66585	771160	5595	571820	160915	70085	802820	

Note:- A 10 tonnes and below, B above 10 tonnes and upto and including 50, C above 50 tonnes and upto and including 100, D above 100 tonnes and upto and including 500, E above 500 tonnes and upto and including 1000, F above 1000 tonnes

TABLE - 32

NUMBER OF LICENSED MANUFACTURERS IN DIFFERENT STATES AT THE END OF EACH YEAR

State/ Union Territory	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Kerala	221	391	599	816	893	909	891	880	947	994	1021	1026
Maharashtra	280	373	468	569	581	585	592	612	613	627	629	617
Punjab*	183	339	371	538	543	583	573	583	623	608	611	593
Tamil Nadu	111	212	326	491	524	549	561	546	537	533	545	523
West Bengal	301	351	413	494	501	498	516	518	512	531	508	506
Uttar Pradesh	183	249	352	504	502	492	485	473	486	465	475	464
Gujarat	134	191	262	304	337	344	361	404	414	427	432	422
Delhi	178	274	326	377	366	370	360	372	368	333	309	306
Haryana	114	181	213	252	262	247	265	282	305	298	313	315
Karnataka	51	90	162	221	237	241	249	245	253	252	258	249
Andhra Pradesh	42	80	107	158	192	177	172	170	174	173	161	157
Madhya Pradesh	15	24	46	85	81	94	98	84	96	92	91	91
Rajasthan	16	19	44	66	73	82	86	92	105	105	98	93
Bihar	25	29	30	47	45	41	40	40	37	38	34	33
Goa	5	6	12	24	23	24	19	17	19	20	31	24
Orissa	2	10	17	19	18	16	17	16	17	17	16	16
Himachal Pradesh	-	3	9	12	9	12	11	14	13	12	8	7
Assam	2	2	3	3	5	5	3	4	4	4	6	6
Others	1	2	9	48	57	33	47	56	59	59	49	46
Total	1844	2826	3769	5028	5249	5302	5346	5408	5572	5588	5595	5494

* includes Chandigarh.

Chart 8
NUMBER OF RUBBER GOODS MANUFACTURERS

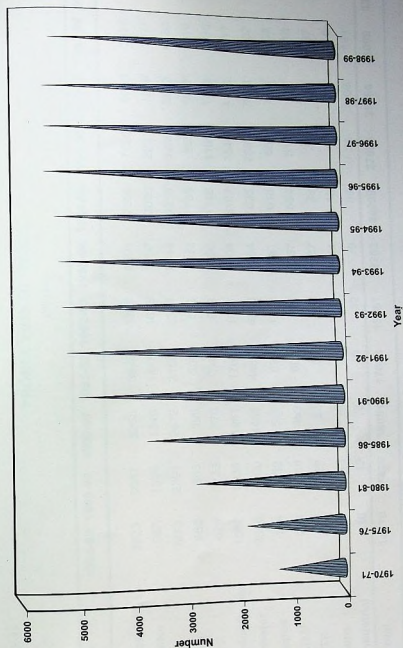


TABLE-33

PRODUCTION OF TYRES

(0000 nos)

Year	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Truck & Bus	4923	5047	5258	5498	6269	6591	7309	7620	8015	7979	7835
Tractor	987	1306	1349	1415	1625	1797	2020	2237	1989	1977	2036
Car	1973	2391	2472	2100	2304	2844	3219	3260	3813	4180	4156
Jeep	650	663	596	508	603	632	765	865	1077	1316	1221
LCV	678	775	870	746	902	1096	1116	1166	1798	1830	1826
Motor Cycles	1567	2036	1961	1780	1907	2804	3187	3540	4166	5217	6865
Scooter	3356	4190	4466	4482	4590	5254	7035	7883	7698	7662	8642
Moped	174	432	555	699	1122	551	618	667	636	308	180
A.D.V	216	546	469	602	550	567	584	518	477	410	474
OTR	22	28	32	31	39	37	39	36	30	37	37
Aero	8	12	15	8	8	14	18	7	0	0	0
Industrial	16	12	8	19	32	75	89	95	66	143	137
Total	14570	17438	18051	17888	19951	22262	25999	27894	29765	31059	33409

Source: Automotive Tyre Manufacturers' Association, New Delhi.

TABLE-34

PRODUCTION OF TUBES

(000 nos)

Year	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Truck & Bus	4237	4049	4181	4224	4533	4923	5961	6503	6781
Tractor	826	904	890	816	755	995	953	1088	1221
Car	2156	1851	1978	2382	2336	2604	3061	3518	3563
Jeep	430	417	477	447	471	653	811	1153	1133
LCV	693	670	743	764	741	969	1323	1422	1416
Motor Cycles	1412	1249	1523	1824	2114	2574	3290	5272	6507
Scooter	2215	1863	2034	2073	2908	4375	4526	5369	6903
Moped	398	530	707	268	508	561	630	208	224
A.D.V	377	420	296	312	299	259	250	234	294
OTR	16	12	12	14	11	16	4	8	9
Aero	1	1	2	3	5	1	0	0	0
Industrial	7	13	27	31	39	30	24	42	29
Total	12768	11979	12870	13158	14720	17960	20833	24817	28080

Source: Automotive Tyre Manufacturers' Association, New Delhi.

TABLE-35

PRODUCTION OF VEHICLES

(In numbers)

Year	Commercial vehicles	Tractors	Cars	Jeeps	Motor Cycles	Scoters	Three Wheelers	Mopeds	Total
1980-81	74174	70306	31275	15667	104223	212039	26930	124048	658662
1981-82	93365	82360	42475	17867	115304	223550	25801	207222	807944
1982-83	87758	62597	43558	20234	135810	264540	31881	232115	878493
1983-84	90069	74216	46901	21681	163290	276433	38575	339881	1051046
1984-85	96004	81821	76090	23208	187147	314748	43508	396053	1219579
1985-86	100452	73456	102804	27961	267107	461860	49947	461950	1545537
1986-87	99153	79073	125866	28784	302520	642038	54566	449688	1781688
1987-88	110100	88597	151875	32036	335679	589734	61112	511699	1880832
1988-89	116447	107183	165798	35754	429017	725305	79361	482001	2140866
1989-90	125051	117690	179278	44309	417401	874992	83752	439293	2281766
1990-91	144591	138538	181821	37369	470339	910315	89162	440092	2412227
1991-92	143171	148123	166389	31530	430786	768420	76750	408904	2171973
1992-93	128111	147927	163302	39176	384080	705870	65464	413353	2047283
1993-94	141476	137608	207658	49836	461955	833083	91524	460451	2383591
1994-95	194799	163059	264468	49675	647521	1030803	128895	516936	2996166
1995-96	259130	191311	347800	67643	809097	1225895	161679	623114	3685669
1996-97	237254	225525	407539	134594*	988709	1322928	221679	668666	4206894
1997-98	160964	256258	401002	134613*	1125958	1279549	234867	667242	4260453
1998-99	135823	253850	390355	113260*	1387276	1315055	209033	671699	4363091

* - Include multi-utility vehicles which was earlier included in LCV's

Source: Automotive Component Manufacturers' Association of India, Mumbai

TABLE-36

REGISTERED MOTOR VEHICLES IN INDIA

Year	Two wheelers	Cars, Jeeps & taxis	Buses	Trucks	Others	Total
1974-75	946	766	114	335	311	2472
1975-76	1057	779	115	351	398	2700
1976-77	1415	878	119	383	465	3260
1977-78	1618	919	124	403	550	3614
1978-79	1888	996	133	444	598	4059
1979-80	2117	1059	140	478	732	4526
1980-81	2618	1160	162	554	897	5391
1981-82	3065	1243	173	613	961	6055
1982-83	3654	1385	185	675	1074	6973
1983-84	4351	1455	199	742	1202	7949
1984-85	5179	1607	223	822	1339	9170
1985-86	6245	1780	227	863	1462	10577
1986-87	7739	2007	245	984	1643	12618
1987-88	9300	2295	269	1114	1840	14818
1988-89	10965	2486	278	1179	2012	16920
1989-90	12511	2694	298	1238	2311	19152
1990-91	14200	2954	331	1356	2533	21374
1991-92	15661	3205	358	1514	2769	23507
1992-93	17183	3361	364	1603	2994	25505
1993-94	18899	3569	392	1691	3109	27660
1994-95	20831	3841	423	1794	3406	30295
1995-96	23252	4204	449	2031	3847**	33783
1996-97	25693	4662	488	2280	4128**	37231
1997-98	27919	5088	512	2413	4526**	40458

e - estimated ; * - Others include Tractors, Trailers and Three wheelers.

** : Excludes light commercial vehicles, which is included in trucks.

Source: Automotive Component Manufacturers' Association of India, Delhi.

TABLE-37

CONSUMPTION OF ALL KINDS OF RUBBER ACCORDING TO END PRODUCTS

(Tonnes)

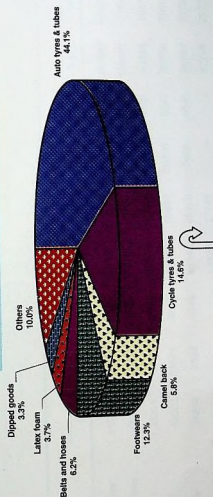
Products	1975-76				1980-81				1985-86			
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	To
1. Auto tyres & tubes*	62115	17451	4887	84453	87285	26598	6061	119964	114031	36007	7381	15741
2. Cycle tyres & tubes	15979	3056	5414	24449	20664	5346	7860	33870	29915	9220	9972	4910
3. Camel back	5545	2303	682	8530	9130	2484	2005	13619	15047	4142	2943	2213
4. Footwears	12387	4535	2155	19077	17800	6051	3214	27065	24194	9645	5245	39084
5. Belts and hoses	8943	1194	1342	11479	11812	2034	1885	15731	15870	4372	2856	23098
6. Latex foam	2033	--	--	2033	5753	--	--	5753	11396	--	--	11396
7. Cables and wires	590	300	18	908	779	435	136	1350	1004	708	259	1971
8. Battery boxes	280	561	2275	3116	485	778	3220	4483	890	1128	5720	7738
9. Dipped goods	3478	--	--	3478	4945	--	--	4945	9050	--	--	9050
10. Others	14342	3052	2569	19963	14967	3324	2469	20760	16043	4813	3839	24695
Total	125692	32452	19342	177486	173630	47050	26850	247530	237440	70035	38215	345690

* Includes Tractor, Aero, ADV and Off-the-road.

TABLE-37(Contn.)

Products	1990-91				1993-94				1994-95			
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	Total
1. Auto tyres & tubes*	161578	52935	7607	222120	199764	60250	8182	268196	228219	68490	8725	305434
2. Cycle tyres & tubes	50180	10929	16344	77453	61565	10409	20845	92819	62999	10525	21112	94636
3. Camel back	25440	5414	3498	34352	29398	5598	3824	38820	29988	5948	3915	39851
4. Footwears	37574	19251	6819	63644	46728	21608	8204	76540	48180	22009	8396	78585
5. Belts and hoses	25583	7194	3610	36387	31185	6485	4335	42005	32324	6622	4413	43359
6. Latex foam	19598	--	--	19598	25226	--	--	25226	26237	--	--	26237
7. Cables and wires	1252	1154	590	2996	1175	1187	680	3042	1210	1196	717	3123
8. Battery boxes	1265	2038	8235	11638	1390	2161	10135	13686	1560	2193	10214	13967
9. Dipped goods	15578	--	--	15578	22339	--	--	22339	22814	--	--	22814
10. Others	26262	5620	5797	37879	31710	5697	6905	44312	32319	5727	7163	45209
Total	364310	104735	52500	521545	450480	113395	63110	626985	485850	122710	64655	673215

Chart 9
TOTAL RUBBER CONSUMPTION
 According to end products
 1997-98



CONSUMPTION OF NR ALONE - 1997-98

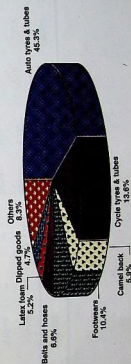




TABLE-37(Contn.)

Products	1995-96				1996-97				1997-98			
	NR		SR		NR		SR		NR		SR	
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	To
1. Auto tyres & tubes*	245654	74926	8859	329439	265580	79333	8754	353667	259272	85554	9482	35430
2. Cycle tyres & tubes	66358	11778	21519	99655	70709	12849	22139	105697	77687	18485	23275	11744
3. Camel back	32316	6503	4002	42821	33824	7073	4101	44998	33575	8367	4310	4625
4. Footwears	52003	23541	8513	84057	56683	25356	8697	90736	59807	29610	9180	98591
5. Belts and hoses	35838	7107	4519	47464	38788	7468	4545	50781	37720	7446	4539	49705
6. Latex foam	28633	--	--	28633	27745	--	--	27745	28729	--	--	29729
7. Cables and wires	1494	1372	862	3728	1565	1423	878	3866	1586	1628	920	4134
8. Battery boxes	1784	2387	10318	14489	1852	2363	10280	14475	1793	2779	10710	15282
9. Dipped goods	24947	--	--	24947	24574	--	--	24574	26708	--	--	26708
10. Others	36438	6471	7183	50092	40465	6945	7211	54621	43943	9046	7669	60658
Total	525465	134085	65775	725325	561765	142810	66585	771160	571820	160915	70085	802820

NR- Natural Rubber

SR- Synthetic Rubber

RR- Reclaimed Rubber

TABLE-38

VALUE OF RUBBER PRODUCTS EXPORTED

(Value in million Rs.)

Products	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99p
1. Automobile tyres and tubes including tyre retreading materials	55.38	85.15	131.53	470.00	1826.00	2021.00	4955.20	6061.87	6801.90	7176.80	7944.2	9043.9	8240
2. Beltings	1.64	8.88	42.80	395.00	241.00	237.10	297.20	345.19	277.30	369.40	578.8	539.8	530
3. Cycle tyres and tubes	4.36	9.89	25.88	10.00	120.00	292.76	694.00	708.13	656.00	807.40	711.8	740.8	880
4. Hoses	1.88	2.74	8.23	65.00	77.00	54.39	57.80	68.12	68.50	71.20	88.5	90.7	110
5. Hygienic, medical & surgical articles including gloves	6.18	2.40	20.94	7.07	139.00	221.59	331.40	631.34	810.00	1288.30	1477.2	1338.8	1450
6. Rubber footwear	1.59	1.36	3.86	5.00	7.50	14.64	38.40	41.69	34.50	84.30	90.9	103.2	88
7. Rubber-soled footwear with canvas upper	21.57	21.75	41.77	45.00	112.00	99.57	156.90	176.84	151.90	134.20	175.6	312.5	362
8. Rubber coats & aprons for textile industry	1.46	0.85	3.94	7.10	11.00	47.60	63.50	34.03	47.60	52.30	59.8	83.4	93
9. Rubber sheetings	0.47	0.80	0.63	5.00	7.20	11.84	63.00	415.62	94.30	147.70	172.9	227.6	250
10. Others	2.42	11.54	34.23	60.83	89.80	133.44	365.10	379.25	487.50	821.30	951.70	929.3	1187
Total	97.0	145.3	313.6	1070.0	2630.5	3133.9	7022.5	8862.1	9429.5	10952.9	12251.4	13410.0	13190.0

Source : Chemicals and Allied Products Export Promotion Council.

Chart 10
VALUE OF RUBBER PRODUCTS EXPORTED

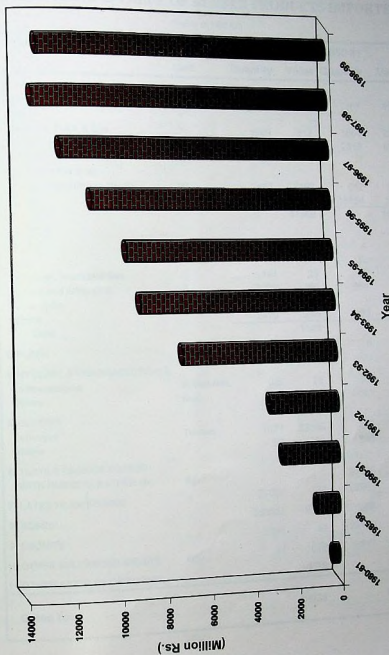


TABLE 1. (a) MEAN AND STANDARD DEVIATION OF THE DATA

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	27.5	3.5	20	35
Gender	1.5	0.5	1	2
Marital Status	1.5	0.5	1	2
Education	12.5	1.5	10	15
Income	1500	500	500	3000
Occupation	1.5	0.5	1	2
Religion	1.5	0.5	1	2
Health Status	1.5	0.5	1	2
Life Satisfaction	4.5	1.5	1	7
Stress Level	3.5	1.5	1	7
Depression Level	2.5	1.5	1	7
Loneliness Level	3.5	1.5	1	7
Quality of Life	5.5	1.5	1	9
Overall Well-being	6.5	1.5	1	9
Life Satisfaction (Control)	5.5	1.5	1	9
Stress Level (Control)	3.5	1.5	1	7
Depression Level (Control)	2.5	1.5	1	7
Loneliness Level (Control)	3.5	1.5	1	7
Quality of Life (Control)	5.5	1.5	1	9
Overall Well-being (Control)	6.5	1.5	1	9

Source: Author's Survey Data

TABLE-39

QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED

(Value in '000 Rs)

Products	Unit	1975-76		1980-81	
		Quantity	Value	Quantity	Value
1. TYRES					
Aircraft	Nos.	2252	3056	1167	4149
Cycle	"	—	—	—	—
Motor car, Truck & Bus	"	1589	812	1864	2370
Tractor and other OTR	"	9184	5537	2318	6350
Motor cycles & Scooters	"	81	4	1	1
Solid/Cushion tyres					
interchangeable tyre treads	MT	453	7198	612	1359
Others	Nos.	2849	702	16854	5583
Total			17309		19812
2. TUBES					
Aircraft	Nos.	4538	489	4	16
Cycle	"	—	—	30	3
Motor car, Truck and Bus	"	444	23	5	3
Tractor and other OTR	"	2239	385	365	107
Motor cycle	"	—	—	—	—
Others	"	2420	245	995	339
Total			1142		468
3. FLAPS					
	Nos.	17	8	5	2
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	Million Nos.	0.6	70	0.5	636
Others	Nos.	108	4	5521	507
5. BELTING					
Conveyor	Tonnes	1077	28580	212	10573
Others	"	53	2260	178	19268
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER etc.					
	Kg.	—	—	62329	8008
	"	27000	738	22683	206
7. LATEX FOAM SPONGE					
	"	230633	6851	124086	10438
8. HOSES					
	"	1024	59	26128	933
9. EBONITE					
	"	37	1029	56817	2212
10. OTHER VULCANISED SHEETS					
	MT.	—	13075	—	96473
11. OTHER ARTICLES OF RUBBER					
			71125		169536
Grand Total					

TABLE-39(Contn.)

Products	Unit	1984-85		1986-87	
		Quantity	Value	Quantity	Value
1. TYRES					
Aircraft	Nos.	153	670	102	837
Cycle	"	--	--	--	--
Motor car, Truck & Bus	"	2207	4552	2610	16657
Tractor and other OTR	"	135	1831	307	6465
Motor cycles & Scooters	"	1	1	--	--
Solid/Cushion tyres					
interchangeable tyre treads	MT	19	660	255	8935
Others	Nos.	3386	4397	2917	8675
Total			12111		41569
2. TUBES					
Aircraft	Nos.	--	--	--	--
Cycle	"	--	--	--	--
Motor car, Truck and Bus	"	--	--	115	262
Tractor and other OTR	"	--	--	--	--
Motor cycle	"	--	--	--	--
Others	"	417	95	--	--
Total			95		262
3. FLAPS					
	Nos.	69	152	7	44
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	Million Nos.	3	985	5	2980
Others	Nos.	108012	8648	71045	9659
5. BELTING					
Conveyor	Tonnes	162	70729	365	26743
Others	"	91	23444	970	78941
6. TEXTILE FABRICS COATED					
WITH RUBBER, LEATHER etc.	Kg.	273778	24140	530316	43180
7. LATEX FOAM SPONGE					
	"	11577	879	35216	1045
8. HOSES					
	"	771843	74851	650151	69515
9. EBONITE					
	"	25663	1965	49618	1242
10. OTHER VULCANISED SHEETS					
	MT.	--	--	112	4525
11. OTHER ARTICLES OF RUBBER					
		--	195347	--	343789
Grand Total			413346		623494

TABLE-39(Contn.)

Products	Unit	1988-89		1990-91	
		Quantity	Value	Quantity	Value
1. TYRES					
Aircraft	Nos.	730	9472	646	18766
Cycle	"	—	—	—	—
Motor car, Truck & Bus	"	3717	15619	6879	24522
Tractor and other OTR	"	257	7060	524	28941
Motor cycles & Scooters	"	—	—	—	—
Solid/Cushion tyres					
interchangeable tyre treads	MT	344	5016	—	—
Others	Nos.	9573	25854	3865	57248
Total			63021		129477
2. TUBES					
Aircraft	Nos.	—	—	7	14
Cycle	"	—	—	—	—
Motor car, Truck and Bus	"	750	35	8	11
Tractor and other OTR	"	—	—	—	—
Motor cycle	"	—	—	—	—
Others	"	347	247	696	364
Total			282		389
3. FLAPS					
	Nos.	—	—	85	11
4. HYGIENIC & PHARMACEUTICALS					
Contraceptives	Million Nos	105	61048	74	53463
Others	Nos.	68639	7743	14547	4606
5. BELTING					
Conveyor	Tonnes	229	36926	36	7566
Others	"	189	34212	235	71283
6. TEXTILE FABRICS COATED WITH RUBBER, LEATHER etc.					
	Kg.	4971	1766	6903	1344
	"	66	13	3820	472
7. LATEX FOAM SPONGE					
	"	131080	46277	368069	66115
8. HOSES					
	"	13039	2680	300	158
9. EBONITE					
	"	186156	17195	—	—
10. OTHER VULCANISED SHEETS					
	MT.	—	248430	—	657356
11. OTHER ARTICLES OF RUBBER					
			519593		992240
Grand Total					

TABLE-39(Contn.)

Products	Unit	1992-93		1993-94		1994-95	
		Quantity	Value	Quantity	Value	Quantity	Value
1. TYRES							
Aircraft	Nos.	658	9252	798	9285	1638	22474
Cycle	"	616876	37802	593360	32760	236800	12385
Motor car, Truck & Bus	"	2975	7606	2797	9846	37721	39750
Tractor and other OTR	"	743	87967	1394	134634	1314	84402
Motor cycles & Scooters	"	2017	1890	1511	1562	10487	3633
Solid/Cushion tyres							
interchangeable tyre treads	"	607	3643	966	3439	543	7167
Others	"	3415	95173	4354	87760	10921	108128
Total			243333		279286		277939
2. TUBES							
Aircraft	Nos.	--	--	--	--	55	85
Cycle	"	193650	4569	654306	12718	295547	6422
Motor car, Truck and Bus	"	111	56	400	196	39	11
Tractor and other OTR	"	8	19	32	22	12	7
Motor cycle	"	--	--	35	8	--	--
Others	"	741	361	612	686	1394	2429
Total			5005		13630		8954
3. FLAPS	Nos.	607	115	774	536	230	135
4. HYGIENIC & PHARMACEUTICALS							
Contraceptives	Million Nos.	74	61031	60	47293	46	40657
Others	Nos.	1040058	2462	70564	686	1103	346
5. BELTING							
Conveyor	Tonnes	159	33424	120	58047	255	47647
Others	"	447	147212	355	131912	483	216306
6. LATEX FOAM SPONGE	Kg	8461	968	12188	923	4688	1680
7. HOSES	"	80879	23526	64	25869	21	6473
8. EBONITE	"	37721	4880	88	3372	64	3470
9. VULCANISED RUBBER							
THREAD & CORD	MT.	903	60301	1111	80084	1429	108803
10. OTHER ARTICLES OF RUBBER		--	865947	--	1173943		1331878
Grand Total			1448204		1815581		2044288

TABLE-39(Contn.)

Products	Unit	1995-96		1996-97		1997-98	
		Quantity	Value	Quantity	Value	Quantity	Value
1. TYRES							
Aircraft	Nos.	2095	32197	2644	34090	2591	36022
Bicycles	"	276842	12638	310301	14701	161485	18485
Motor car, Truck & Bus	"	128111	169134	46781	101288	165668	234885
Tractor and other OTR	"	1906	178087	3452	337215	2881	333342
Motor cycles & Scooters	"	24691	5460	10469	4551	31944	11577
Solid/Cushion tyres							
Interchangeable tyre treads	Kg.	679**	3956	26736	8253	70297	16959
Others	Nos.	10790	160572	19904	140418	22162	160088
Total			562044		640516		811358
2. TUBES							
Aircraft	Nos.	3	5	11	16	29	92
Bicycles	"	112890	3542	72650	1733	11164	2999
Motor car, Truck and Bus	"	120	68	40264	2703	30894	5733
Tractor and other OTR	"	89	487	6611	274	2013	1904
Motor cycle	"	--	--	--	--	9956	1042
Others	"	4329	3839	18778	5655	30839	6336
Total			7941		10381		18106
3. FLAPS							
	Nos.	210	24	11*	4150	6*	4380
4. HYGIENIC & PHARMACEUTICALS							
Contraceptives	Million Nos	46	38360	79*	25878	95*	27251
Others	Nos.	2488345	5947	106*	34701	97*	31924
5. BELTING							
Conveyor	Tonnes	175	55777	624	151840	919	268816
Others	"	1105	382014	90	251397	621	311897
6. LATEX FOAM SPONGE							
	Kg.	5994	1918	8505	1400	2122	328
7. HOSES							
	Tonnes	65	24401	58	14769	73	26300
8. EBONITE							
	"	527	7797	212	1446	180	1461
9. VULCANISED RUBBER							
THREAD & CORD	"	1179	118085	529	62151	353	33347
10. OTHER ARTICLES OF RUBBER							
			2304147		2144065		3017604
Grand Total			3508455		3342694		4552772

* Tonnes, ** Numbers

Source: "Monthly Statistics of Foreign Trade of India (Annual Number),

Published by Government of India.

TABLE-40

NUMBER OF LICENSED DEALERS IN DIFFERENT STATES AT THE END OF EACH YEAR

State/Territory	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Kerala	1566	1756	3041	3499	6439	6497	6215	6480	7181	8304	8866	9453	9320
Tamil Nadu	31	75	230	140	192	177	192	204	211	214	212	223	220
Punjab*	25	39	63	68	123	136	144	177	197	217	218	214	189
Delhi	61	63	112	115	161	165	164	172	172	181	171	168	147
West Bengal	53	45	58	67	91	92	95	97	103	115	103	103	90
Uttar Pradesh	7	10	35	40	59	63	71	82	84	89	83	79	81
Maharashtra	39	30	66	62	77	74	65	76	85	90	97	102	103
Karnataka	1	8	15	22	51	56	61	73	85	104	113	124	117
Haryana	0	0	0	17	34	37	40	44	43	46	45	43	44
Tripura	0	0	5	2	12	13	24	33	57	79	107	138	138
Gujarat	3	7	8	6	21	21	25	26	25	28	28	34	34
Madhya Pradesh	0	0	1	0	3	8	8	10	12	14	15	12	8
Rajasthan	0	0	1	0	2	5	8	10	11	12	15	13	15
Assam	0	0	0	0	3	6	5	7	9	15	15	17	21
Andaman & Nicoba	0	0	0	2	5	5	6	4	5	8	8	9	8
Meghalaya	0	0	0	1	2	0	0	4	4	4	5	6	6
Bihar	0	0	1	1	3	3	3	3	2	4	6	6	6
Andhra Pradesh	1	1	4	2	0	2	2	3	5	4	2	3	1
Orissa	0	0	0	1	1	1	1	2	2	2	3	2	2
Goa, Daman & Diu	0	0	0	0	0	0	0	1	1	1	1	2	2
Jammu & Kashmir	0	0	0	0	1	1	1	1	1	1	1	1	1
Mizoram	0	0	0	0	0	0	0	0	0	0	0	0	0
Manipur	0	0	0	0	0	3	0	0	0	0	0	0	0
Himachal Pradesh	3	3	1	1	0	0	0	0	0	0	1	2	1
Pondicherry	0	0	0	0	0	0	0	0	0	1	2	2	2
Grand Total	1790	2036	3641	4044	7280	7365	7135	7509	8295	9533	10117	10756	10559

* Including Chandigarh.

TABLE-41

**NUMBER OF LICENSED DEALERS IN DIFFERENT DISTRICTS
IN KERALA STATE AT THE END OF EACH YEAR**

District	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Thiruvananthapuram	40	60	155	197	477	483	472	500	561	699	786	870	885
Kollam	272	344	532	329	771	789	742	751	856	964	1014	1110	1127
Pathanamthitta	0	0	0	323	857	888	800	829	927	1106	1233	1256	1203
Alappuzha	38	38	47	9	37	38	43	58	82	115	122	130	124
Kottayam	686	787	1306	1431	2033	2012	1907	1969	2084	2345	2467	2583	2543
Idukki	0	86	155	239	324	323	318	362	404	434	457	473	452
Ernakulam	313	212	392	510	1005	975	912	912	1001	1188	1222	1295	1259
Thrissur	17	19	26	30	84	85	101	107	121	152	147	162	155
Palakkad	11	17	38	47	113	135	144	169	197	235	280	314	328
Malappuram	16	42	64	88	226	243	231	224	275	320	369	415	410
Kozhikode	71	73	137	98	164	164	159	161	172	197	214	227	217
Wynad	0	0	0	25	35	39	37	49	48	52	54	68	72
Kannur	102	78	189	156	262	275	298	327	370	403	391	423	428
Kasaragod	0	0	0	17	51	48	51	62	73	94	110	127	117
Total	1566	1756	3041	3499	6439	6497	6215	6480	7181	8304	8866	9453	9320

TABLE-40

NUMBER OF LICENSED DEALERS IN DIFFERENT STATES AT THE END OF EACH YEAR

State/Territory	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Kerala	1568	1756	3041	3499	6439	6497	6215	6480	7181	8304	8866	9453	9320
Tamil Nadu	31	75	230	140	192	177	192	204	211	214	212	223	220
Punjab*	25	39	63	68	123	136	144	177	197	217	218	214	189
Delhi	61	63	112	115	161	165	164	172	172	181	171	168	147
West Bengal	53	45	58	67	91	92	95	97	103	115	103	103	90
Uttar Pradesh	7	10	35	40	59	63	71	82	84	89	83	79	81
Maharashtra	39	30	66	62	77	74	65	76	85	90	97	102	103
Karnataka	1	8	15	22	51	56	61	73	85	104	113	124	117
Haryana	0	0	0	17	34	37	40	44	43	46	45	43	44
Tripura	0	0	5	2	12	13	24	33	57	79	107	138	138
Gujarat	3	7	8	6	21	21	25	26	25	28	28	34	34
Madhya Pradesh	0	1	1	0	3	8	8	10	12	14	15	12	8
Rajasthan	0	0	1	0	2	5	8	10	11	12	15	13	15
Assam	0	0	0	0	3	5	5	7	9	15	15	17	21
Andaman & Nicoba	0	0	0	0	3	6	6	4	5	8	8	9	8
Meghalaya	0	0	0	0	2	0	0	4	4	4	5	6	9
Bihar	0	0	1	1	3	3	3	3	2	4	6	6	6
Andhra Pradesh	1	1	4	2	0	2	2	3	5	4	3	3	1
Orissa	0	0	0	1	1	1	1	1	2	2	3	2	2
Goa, Daman & Diu	0	0	0	0	0	0	0	1	1	1	1	2	2
Jammu & Kashmir	0	0	0	0	1	1	1	1	1	1	1	1	1
Mizoram	0	0	0	0	0	0	0	0	0	0	0	0	0
Nagaland	0	0	0	0	0	0	0	0	0	0	0	0	0
Manipur	3	1	1	0	0	3	1	0	0	0	0	1	1
Himachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	2	2
Pondicherry	0	0	0	0	0	0	0	0	0	1	2	2	2
Grand Total	1790	2036	3641	4044	7280	7365	7135	7509	8295	9533	10117	10756	10559

* Including Chandigarh.

TABLE-41

**NUMBER OF LICENSED DEALERS IN DIFFERENT DISTRICTS
IN KERALA STATE AT THE END OF EACH YEAR**

District	1970-71	1975-76	1980-81	1985-86	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Thiruvananthapuram	40	60	155	197	477	483	472	500	561	699	786	870	885
Kollam	272	344	532	329	771	789	742	751	856	964	1014	1110	1127
Pathanamthitta	0	0	0	323	857	888	800	829	927	1106	1233	1256	1203
Alappuzha	38	38	47	9	37	38	43	58	82	115	122	130	124
Kottayam	686	787	1306	1431	2033	2012	1907	1969	2084	2345	2467	2583	2543
Idukki	0	86	155	239	324	323	318	362	404	434	457	473	452
Ernakulam	313	212	392	510	1005	975	912	912	1001	1188	1222	1295	1259
Thrissur	17	19	26	30	84	85	101	107	121	152	147	162	155
Palakkad	11	17	38	47	113	135	144	169	197	235	280	314	328
Malappuram	16	42	64	88	226	243	231	224	275	320	369	415	410
Kozhikode	71	73	137	98	164	164	159	161	172	197	214	227	217
Wynad	0	0	0	25	35	39	37	49	48	52	54	68	72
Kannur	102	78	189	156	262	275	298	327	370	403	391	423	428
Kasaragod	0	0	0	17	51	48	51	62	73	94	110	127	117
Total	1566	1756	3041	3499	6439	6497	6215	6480	7181	8304	8866	9453	9320

TABLE-42

DISTRIBUTION OF LICENSED DEALERS ACCORDING TO THEIR PURCHASE

Purchase in tonnes	1965-66	1970-71	1975-76	1976-77	1977-78	1978-79	1981-82	1983-84	1985-86	1987-88	1991-92	1994-95	1996-97
0 - 10	217	1022	756	753	874	1352	1603	1425	1724	3134	3384	3899	3826
11 - 25	102	227	324	345	371	402	519	536	507	618	915	989	1618
26 - 50	79	148	287	329	377	376	433	492	517	599	962	1041	1412
51 - 100	56	115	203	287	288	317	371	416	435	511	776	800	1272
101 - 250	71	124	214	283	277	352	371	404	451	510	794	822	1042
251 - 500	35	77	106	141	160	155	185	195	177	212	243	311	453
501 - 1000	27	47	94	98	99	94	109	110	117	128	145	225	268
Above 100	21	30	52	80	79	87	79	90	116	96	146	208	226
Total	608	1790	2036	2316	2525	3135	3670	3668	4044	5808	7365	8295	10117

TABLE-43

AVERAGE DAILY EMPLOYMENT IN RUBBER PLANTATIONS

Year	Numbers	Year	Numbers
1965	122481	1982	206790
1966	126958	1983	212613
1967	135104	1984	220434
1968	139795	1985	227780
1969	144423	1986	235351
1970	146591	1987	244477
1971	147902	1988	257742
1972	148040	1989	271601
1973	150909	1990	282674
1974	154214	1991	293108
1975	157754	1992	304618
1976	162661	1993	310800
1977	168475	1994	315900
1978	176925	1995	322300
1979	184320	1996	328900
1980	192578	1997	335450
1981	199775	1998	341320

Source: Ministry of Food and Agriculture(Govt.of India),
Govt. of Kerala and Rubber Board.

TABLE-44

COLLECTION OF EXCISE DUTY AND MISCELLANEOUS RECEIPTS OF THE RUBBER BOARD
(Million Rs.)

Year	Excise Duty on Rubber Collected	Sales of rubber from experiment stations	Sales of planting materials from nurseries	Others*	Total
1985-86	96.26	3.91	2.18	7.60	109.95
1986-87	94.19	3.94	2.90	8.16	109.19
1987-88	111.60	4.38	3.01	8.31	127.30
1988-89	126.68	5.56	2.75	10.83	145.82
1989-90	141.60	5.39	3.82	13.50	164.31
1990-91	147.34	4.62	3.99	10.03	165.98
1991-92	168.15	5.73	3.65	12.18	189.71
1992-93	180.48	5.82	5.01	13.69	205.00
1993-94	198.18	8.40	3.41	14.01	224.00
1994-95	262.34	9.22	5.28	65.26	342.10
1995-96	435.77	10.74	6.74	87.00	540.25
1996-97	469.97	6.50	7.36	99.10	582.93
1997-98	482.03	5.74	8.04	113.50	609.31
1998-99p	500.47	6.04	6.72	93.35	606.58

* Figures from 1994-95 include recovery of the cost of plantation inputs distributed through RPSs.

TABLE-45

SCHEMewise EXPENDITURE OF THE RUBBER BOARD

(In Rs/Million)

Scheme	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
1. Rubber plantation development scheme (newplanting and replanting)	94.93	118.96	111.18	104.22	87.55	126.85
2. Infrastructure development in non-traditional areas	2.86	10.02	7.17	15.48	20.02	19.66
3. Extension training and supplies*	3.29	6.44	4.97	11.16	13.90	16.68
4. Maintenance of nurseries and distribution of planting materials	2.43	3.81	4.86	5.46	5.57	7.40
5. Processing, marketing and product development	2.30	7.55	8.21	9.23	11.68	10.16
6. Research	19.77	24.40	24.91	29.66	37.51	41.86
7. Special component plan and tribal subplan	0.12	3.74	8.67	13.38	11.15	6.85
8. Labour welfare	0.81	1.33	1.51	1.99	2.30	2.28
9. Construction of administrative building & residential building etc.	3.88	6.61	3.03	1.85	5.37	8.48
10. Operational expenses for schemes 1,3,4 & 7	18.24	22.06	25.61	25.81	28.04	29.92
11. General administration	7.63	10.15	11.21	12.74	14.36	14.81
Total - Plan	110.06	155.20	147.47	166.55	161.48	210.23
- Non plan	49.57	64.11	71.65	71.57	83.80	83.23
Grand Total	159.63	219.31	219.12	238.12	245.28	293.46

TABLE-45 (contn.)

Scheme	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99p
1. Rubber plantation development scheme (newplanting and replanting)	115.20	111.78	115.34	103.80	107.63	116.20	141.4	174.76
2. Infrastructure development in non-traditional areas	27.61	25.88	34.58	25.01	22.14	27.80	30.33	39.04
3. Extension training and supplies*	23.12	18.14	17.01	71.07	109.44	117.90	113.2	174.87
4. Maintenance of nurseries and distribution of planting materials	4.59	5.20	5.94	6.04	7.20	10.27	11.91	9.15
5. Processing,marketing and product development	12.61	12.41	16.09	13.16	24.59	30.05	81.80	78.17
6. Research	47.35	52.10	64.05	53.16	65.89	82.89	97.05	93.42
7. Special component plan and tribal subplan	11.28	10.76	13.47	23.02	21.48	32.38	32.32	26.78
8. Labour welfare	4.13	4.08	6.59	9.43	10.09	10.21	10.66	11.18
9. Construction of administrative building & residential building etc.	10.27	13.92	10.76	6.78	6.53	6.65	7.03	5.72
10. Operational expenses for schemes 1,3,4, & 7	39.13	46.78	50.95	58.79	72.55	88.77	128.9	119.37
11. General administration	17.49	19.96	21.82	24.02	30.62	31.89	42.71	50.54
Total - Plan	233.41	228.04	253.36	293.84	355.00	420.90	599.26	709.69
- Non plan	88.19	102.20	113.06	109.70	133.75	143.35	108.15	122.60
Grand Total	321.60	330.24	366.42	403.54	488.75	564.25	707.41	832.29

* From 1993-94 onwards includes gross expenditure on Productivity Enhancement Scheme.

Subsidy portion of this Scheme is only 5 to 12 % and the balance is recoverable.

Note : Totals include contribution to Pension Fund, advance to staff bearing interest and expenditure on official language implementation.

TABLE-46

PROGRESS IN DISTRIBUTION OF PLANTING MATERIALS

(Distributed directly by Rubber Board)

(In Numbers)

Year	Tjir 1 Clonal Seeds	Tjir 1 Clonal Seedlings	Indigenous Poly Clonal Seedlings	PBIG , GG1 & GG2 Seedlings	Budded Stumps	Green budded Stumps	Budwood *	Poly bagged Plants
1961	688912	22025	-----	-----	25	-----	2638	-----
1962	4445344	68180	-----	-----	326	-----	919	-----
1963	2788850	356835	-----	5320	31012	-----	560	-----
1964	2641345	263777	-----	93990	82964	-----	3704	-----
1965	4195000	202270	-----	172403	63215	-----	2890	-----
1966	3743745	289285	-----	168409	62478	-----	-----	-----
1967	8244751	54500	-----	155002	73533	-----	1707	-----
1968	3087131	289328	14195	92377	101887	-----	3067	-----
1969	6393246	408528	10000	7099	198233	-----	3178	-----
1970	3142000	210500	88900	74800	390900	-----	2525	-----
1971	-----	-----	149060	250	446729	-----	5519	-----
1972	-----	-----	13130	100565	380657	-----	4849	-----
1973	-----	-----	25935	52898	349778	-----	8999	-----
1974	-----	-----	41285	-----	498967	-----	11346	-----
1975	-----	-----	2600	-----	612975	-----	15190	-----
1976	-----	-----	31055	-----	744933	-----	4442	-----
1977	-----	-----	44963	-----	622620	-----	9340	-----
1978	-----	-----	6090	-----	570361	-----	3099	-----
1979	-----	-----	60565	-----	868844	-----	2492	-----
1980	-----	-----	28990	-----	871532	-----	12014	4987

TABLE-46(Contn.)

Year	Tjir 1 Clonal Seeds	Tjir 1 Clonal Seedlings	Indigenous Poly Clonal Seedlings	PBIG, GG1 & GG2 Seedlings	Budded Stumps	Green budded Stumps	Budwood *	Poly bagged Plants
1981	---	---	81110	---	903668	77794	14916	551
1982	---	---	35060	---	788383	170733	11433	1870
1983	---	---	48405	---	743763	109681	10148	2852
1984	---	---	---	---	1012372	137887	12510	12459
1985	---	---	---	---	848443	171680	14291	12901
1986	---	---	---	---	1003694	276664	12725	53651
1987	---	---	---	---	833430	259439	31731	---
1988	---	---	---	---	513822	282287	22276	3509
1989	---	---	---	---	962035	7500	10394	3490
1990	---	---	---	---	1114918	107764	28100	7242
1991	---	---	---	---	629485	12000	22283	---
1992	---	---	---	---	792823	---	7265	---
1993	---	---	---	---	734886	165748	5962	---
1994	---	---	---	---	855158	465838	873	---
1995	---	---	---	---	549162	527290	7168	---
1996	---	---	---	---	645553	405121	23050	---
1997	---	---	---	---	900489	402377	15216	---
1998	---	---	---	---	736954	248238	1754	---

* In Metres

Note: 1. During 1967, the Board had also distributed 53,464 germinated PBIG/GG Seeds.

2. The approval for planting Tjir 1 clonal seeds and seedlings has been withdrawn by the Board since 1971.

3. During 1978, 172851, and during 1982, 1025 stumped buddings were distributed.

RUBBER MARKETING BY THE CO-OPERATIVE SOCIETIES

Year	No. of Societies	Rubber Marketed (In Tonnes)	Year	No. of Societies	Rubber Marketed (In Tonnes)
1965-66	16	1778	1982-83	58	11077
1966-67	18	3027	1983-84	59	11984
1967-68	23	5990	1984-85	60	12960
1968-69	23	3978	1985-86	62	21036
1969-70	25	4284	1986-87	116	24651
1970-71	37	10651	1987-88	116	25781
1971-72	58	14510	1988-89	118	31246
1972-73	58	18513	1989-90	118	30413
1973-74	60	7045	1990-91	125	29285
1974-75	62	4350	1991-92	146	48665
1975-76	62	5545	1992-93	146	34260
1976-77	64	9866	1993-94	219	50719
1977-78	54	7878	1994-95	231	55934
1978-79	52	6875	1995-96	262	60000
1979-80	50	10200	1996-97	269	62000
1980-81	53	9336	1997-98	288	62900
1981-82	54	11067	1998-99p	295	63480

Note: From 1986-87 onwards, include Rubber Producers' Societies.

TABLE-48

INDEX NUMBERS OF AGRICULTURAL PRODUCTION

(Base: Triennium ending 1981-82=100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
1965-66	33.3	65.4	45.8	56.2	61.4	29.5	60.6	68.9	63.7
1970-71	60.8	74.7	79.1	73.2	84.4	67.7	87.9	82.6	85.9
1975-76	90.9	86.9	60.3	82.5	98.0	82.0	98.8	91.9	96.2
1976-77	98.7	91.3	73.4	89.1	84.3	82.5	89.6	88.8	89.3
1977-78	97.0	99.3	89.7	97.0	105.9	90.3	103.0	99.4	101.6
1978-79	89.3	100.6	79.2	94.6	108.1	100.9	107.0	101.6	105.0
1979-80	98.0	98.5	107.4	100.1	85.1	90.5	87.5	90.8	88.7
1980-81	101.1	101.6	85.1	98.4	107.8	103.2	104.9	97.4	102.1
1981-82	100.9	99.9	107.6	101.5	107.0	106.4	107.6	111.8	109.2
1982-83	109.5	100.0	93.2	100.3	94.7	121.5	103.7	106.6	104.8
1983-84	115.7	103.7	75.3	100.3	120.8	129.2	122.8	111.5	118.6
1984-85	123.1	114.1	140.4	120.7	117.3	125.2	117.5	118.6	117.9
1985-86	132.3	117.0	87.7	114.0	128.7	133.6	123.4	113.0	119.6
1986-87	144.9	110.7	137.8	121.7	122.1	125.9	116.9	112.4	115.2
1987-88	155.3	118.6	88.1	119.0	114.6	131.1	113.5	118.1	115.2
1988-89	171.1	125.0	154.7	144.1	142.1	153.6	138.9	142.8	140.0
1989-90	196.3	121.4	85.0	128.8	148.3	141.5	139.7	147.3	143.9
1990-91	217.6	132.3	122.3	144.9	149.4	156.6	143.7	156.3	148.4
1991-92	242.1	125.5	129.5	146.1	150.2	158.2	137.6	158.8	145.5
1992-93	259.8	125.5	116.2	146.6	146.5	162.5	144.3	163.7	151.5
1993-94	287.3	132.6	149.7	162.2	161.5	170.0	150.2	189.4	157.3
1994-95	311.5	134.4	129.6	163.6	164.5	186.8	155.9	180.9	165.2
1995-96p	334.6	135.9	160.5	174.5	154.8	176.4	146.1	185.4	160.7
1996-97p	362.7	135.9	160.5	174.5	164.4	197.0	160.9	200.0	175.4
1997-98p	385.4	135.9	160.5	174.5	165.3	187.2	155.7	182.5	164.9

Source: Directorate of Economics & Statistics, Ministry of Agriculture.

Chart 11
MOVEMENT OF PRODUCTION INDICES
(Base 1981-82=100)

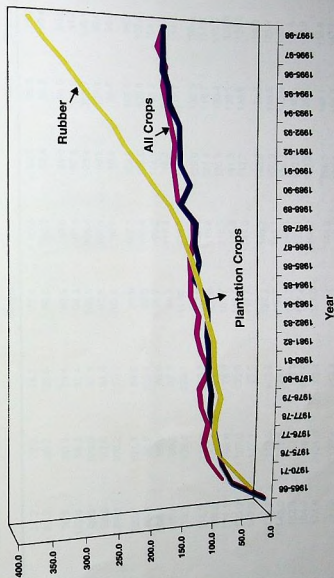


Figure 1. The distribution of the *Salmonella* isolates in the *Salmonella* isolates.

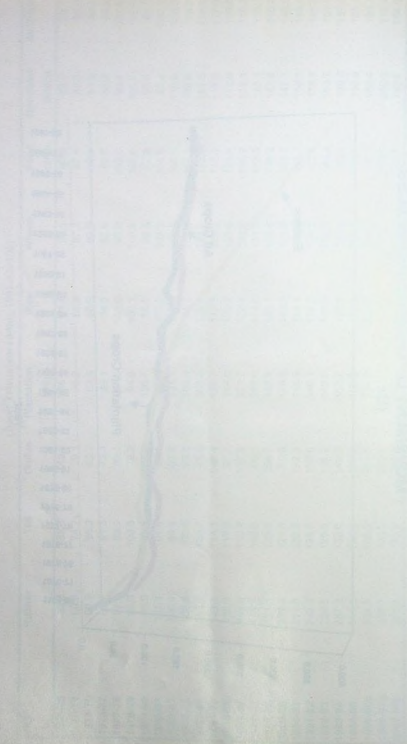


TABLE-49

INDEX NUMBERS OF PRODUCTIVITY

(Base: Triennium ending 1981-82 = 100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Crops
1965-66	57.2	73.0	74.7	77.4	69.5	52.1	66.9	75.7	70.2
1970-71	83.2	80.2	122.0	86.8	90.2	82.4	93.2	90.4	92.6
1975-76	98.5	90.9	73.4	90.5	99.6	89.0	98.0	96.3	96.7
1976-77	102.9	95.3	81.4	94.3	87.8	87.5	91.6	94.4	92.2
1977-78	98.2	103.0	97.5	100.9	105.4	93.4	102.7	100.1	101.5
1978-79	90.9	103.6	84.4	97.8	107.1	96.9	105.4	99.6	103.3
1979-80	99.8	100.2	112.3	102.6	86.6	90.6	88.8	94.0	90.4
1980-81	100.7	101.1	84.6	97.9	107.7	102.8	105.1	99.2	102.9
1981-82	99.5	98.7	103.6	99.6	105.4	106.6	105.8	107.4	106.8
1982-83	106.5	96.3	85.9	95.7	99.2	114.5	105.2	104.7	105.5
1983-84	110.0	99.5	67.7	94.3	117.4	116.2	118.8	108.6	114.5
1984-85	113.7	103.8	125.1	111.90	114.1	117.9	117.7	114.7	117.2
1985-86	115.2	111.2	76.2	102.8	125.3	129.0	122.3	108.4	117.6
1986-87	118.6	102.1	118.7	106.0	118.8	121.4	116.7	111.6	114.9
1987-88	121.1	109.8	76.0	101.7	118.3	126.2	120.4	116.0	120.0
1988-89	125.0	127.0	132.9	116.1	136.5	141.5	136.1	126.6	135.8
1989-90	132.0	117.1	85.0	117.4	141.0	133.7	139.9	130.3	139.0
1990-91	138.1	119.9	110.2	122.2	140.2	143.8	137.8	128.0	133.8
1991-92	145.0	113.6	129.7	123.7	141.1	150.9	136.5	123.9	131.1
1992-93	152.8	113.5	96.5	118.7	140.6	146.7	142.0	130.2	137.0
1993-94	164.9	119.7	107.0	127.4	152.1	150.0	146.5	132.8	140.7
1994-95	174.8	121.0	92.4	127.6	154.0	161.3	150.4	138.9	145.5
1995-96p	182.5	122.4	114.4	136.1	144.8	156.5	143.1	135.8	139.9
1996-97p	192.9	122.4	114.4	136.1	151.6	168.9	154.5	143.1	149.4
1997-98p	198.8	122.4	114.4	136.1	152.6	155.7	148.2	133.1	141.7

Source : Directorate of Economics & Statistics, Ministry of Agriculture.

TABLE-50

GROSS DOMESTIC PRODUCT AND CONSUMER PRICE INDEX

Year	Gross Domestic Product at factor cost (At 80-81 prices) (Rs./Crores)	All India Consumer Price Index* (Base 1986-87=100)
1965-66	72122	26
1966-67	72856	31
1967-68	78785	35
1968-69	80841	32
1969-70	86109	32
1970-71	90426	33
1971-72	91339	33
1972-73	91048	37
1973-74	95192	45
1974-75	96297	60
1975-76	104968	58
1976-77	106280	50
1977-78	114219	55
1978-79	120504	54
1979-80	114236	59
1980-81	122427	67
1981-82	121889	75
1982-83	133915	79
1983-84	144865	88
1984-85	150433	88
1985-86	156566	93
1986-87	163271	97
1987-88	170322	107
1988-89	188461	120
1989-90	201453	127
1990-91	212253	136
1991-92	213983	163
1992-93	225240	183
1993-94	239145	189
1994-95	257700	212
1995-96	276132	234
1996-97	296845	256
1997-98(e)	311887	264

* For Agricultural Labourers. e-estimate
Source: Central Statistical Organisation &
Indian Labour Journal, Economic Survey.

TABLE-51

INDEX NUMBERS OF WHOLESALE PRICES OF SELECTED COMMODITIES

(Base 1981-82=100)

Commodities	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
All Commodities	154.2	165.7	182.7	207.8	228.7	247.8	274.7	295.8	314.6	329.8	352.4
Food - grains	181.8	165.4	179.2	216.4	242.4	260.7	293.2	313.0	353.8	362.7	392.7
Fruits & Vegetables	185.1	170.5	204.1	252.9	272.6	281.8	289.1	323.9	388.9	362.2	479.0
Condiments & Spices	282.1	226.3	284.6	417.7	514.2	447.3	438.6	453.6	514.5	559.2	667.2
Oil seeds	151.3	151.4	194.9	234.7	230.2	227.1	285.6	284.6	285.3	293.1	347.5
Petroleum crude & Natural gas	89.1	91.8	99.6	101.0	102.7	120.7	129.1	130.2	132.1	138.1	135.8
Electricity	176.6	187.7	200.9	222.8	249.0	318.3	352.6	369.7	413.2	466.5	506.4
Edible Oils	170.2	177.5	223.3	265.9	284.9	254.3	279.9	301.6	301.1	299.4	348.5
Tea & Coffee processing	166.8	189.3	249.0	301.0	306.3	307.9	371.5	476.1	479.3	473.4	669.7
Textiles	139.6	158.2	171.2	188.3	200.7	219.9	286.8	294.6	304.1	310.3	320.4
Leather & Leather Products	168.4	185.7	224.3	233.9	228.2	245.2	261.8	276.8	281.2	290.5	297.1
Natural Rubber	124.3	146.0	145.8	146.6	174.6	176.0	249.2	356.4	335.7	245.2	205.1
Rubber & Plastic Products	155.3	159.4	164.9	170.6	186.2	189.9	200.6	235.4	244.0	245.2	248.2
Tyres & Tubes	135.9	145.8	153.3	162.3	175.8	183.6	189.8	232.7	239.1	236.4	238.8
Plastic Products	189.9	184.4	187.2	188.7	194.4	194.2	194.6	207.6	224.9	233.8	240.9
Other Rubber & Plastic Products	153.9	157.8	162.4	166.1	197.4	197.6	228.9	272.8	275.6	276.2	275.2
Chemicals & Chemical Products	135.8	140.0	147.9	166.4	192.6	207.8	232.6	249.9	259.3	269.3	281.8
Fertilisers & Pesticides	103.1	104.2	105.2	131.6	165.1	185.3	209.0	220.1	219.1	230.1	234.2
Motor Vehicles	146.2	163.2	177.4	196.7	211.6	216.0	231.4	248.3	261.0	270.9	280.8

Source: "Index number of wholesale prices in India", Published by the Office of Economic Advisor, Ministry of Industry, Govt. of India.

WORLD RUBBER STATISTICS

TABLE-52

AREA UNDER RUBBER IN MAIN PRODUCING COUNTRIES (In Thousand Hectares)

Territory	End of	Holdings	Estates	Total
Indonesia	1997	2958	558	3516
Thailand	1997	1881	85	1966
Malaysia	1997	1417	218	1635
China	1996	216	376	592
India	1997	475	70	545
Sri Lanka	1997	54	109	163
Brazil	1997	NA	NA	180
Nigeria	1990	200	47	247
Liberia	1990	40	70	110
Viet-Nam	1997	35	240	275
D.R. of Congo(a)	1990	NA	NA	40
Philippines	1992	—	88	88
Myanmar	1994	52	38	90
Cote d'Ivoire	1994	27	41	68
Cameroon	1997	2	40	42

Note : Estate areas refer to holding of 40 ha. and over.

NA : Not available

(a) : Formerly Zaire.

Source : Rubber Statistical Bulletin of the International
Rubber Study Group.

TABLE-53

PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES

(In Thousand Tonnes)

Country	1975	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
Thailand	355	501	724	979	1179	1275	1341	1531	1553	1718	1805	1970	2033	2205
Indonesia	823	1020	1130	1235	1256	1262	1284	1387	1301	1361	1455	1527	1505	1750
Malaysia	1459	1530	1470	1662	1416	1291	1256	1173	1074	1101	1089	1083	971	886
India	136	155	188	255	289	324	360	383	428	464	500	540	580	591
China	69	113	188	240	243	264	296	309	326	374	424	430	444	450
Philippines	51	70	NA	52	57	61	80	57	58	59	60	62	65	64
Nigeria*	68	47	52	81	118	152	80	89	98	69	116	64	65	45
Sri Lanka	149	133	138	122	111	113	104	106	104	105	106	113	106	96
Vietnam*	20	46	52	60	85	103	87	114	117	149	159	189	201	219
Comodia	10	NA	22	27	39	35	36	36	36	37	38	39	40	41
Liberia*	83	77	84	108	106	19	32	30	45	10	13	30	67	80
Brazil	19	28	40	33	31	31	30	31	41	45	44	51	58	60
Total**	3315	3850	4400	5020	5150	5120	5160	5450	5310	5720	6040	6370	6380	6680

* Estimated.

NA: Not available separately.

** : Including other countries not reported separately.

Source : "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-54

CONSUMPTION OF NATURAL RUBBER IN MAIN CONSUMING COUNTRIES

(in Thousand Tonnes)

Country	1975	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
U.S.A.	666	585	764	858	867	808	756	910	967	1002	1004	1002	1044*	1157
Japan	285	427	540	623	557	677	690	685	631	640	692	715	713	707
China*	225	340	415	660	650	600	610	640	650	720	780	810	910	839
India	129	171	233	311	333	358	375	405	444	473	517	558	572	580
Korea Rep*	NA	NA	155	235	232	255	264	276	271	290	300	300	302	282
Malaysia	31	45	69	103	122	184	216	249	269	292	327	357	327	334
Germany@	197	180	202	204	221	209	211	213	175	186	212	193*	212*	248
France	156	188	156	181	184	179	183	179	169	180	176	182	192	223
Brazil	59	81	98	125	124	124	123	123	132	145	155	155	180	168
U.K.*	171	131	126	140	133	136	119	125	119	135	118	111	119	142
Italy	118	132	127	140	143	130	120	115	108	100	102	100	117	146
Taiwan*	NA	NA	84	150	100	105	120	115	109	105	103	96	105	103
C.I.S.	NA	NA	210	100	140	150	80	28	36*	12	13	16	9*	6
Total**	3368	3760	4430	5100	5190	5210	5060	5320	5430	5680	5990	6150	6510	6610

*: Estimated, NA: Not available separately.

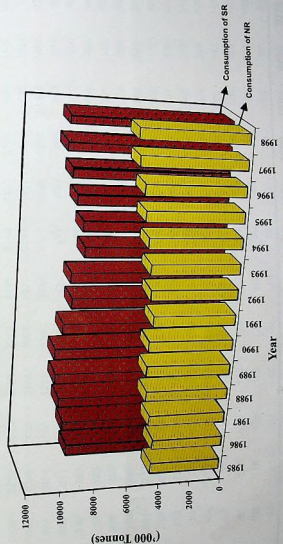
@: Upto 1990 Federal Republic of Germany.

For C.I.S., data before 1992 refer to the former U.S.S.R.

**: Including allowances for officially reported Statistics and those countries not reported separately.

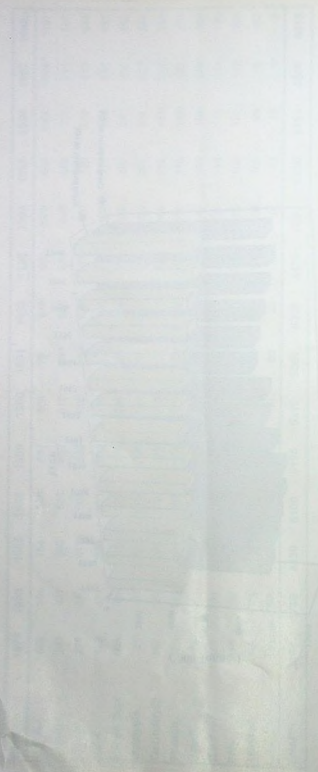
Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

Chart 12
WORLD CONSUMPTION OF NR & SR



STATISTICAL REPORT ON THE RESULTS OF THE SURVEY OF THE

IN THE YEAR 1900



Prepared by the Bureau of the Census, U.S. Department of Commerce, Washington, D.C., 1901.

TABLE 55

PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES

(In Thousand Tonnes)

Country	1975	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
U. S. A.	1990	2215	2026	2335	2261	2115	2050	2300	2180	2390	2530	2486	2589	2610
C.I.S.	1600	2040	2125	2435	2358	2277	2105	1611	1103	632	837	775	725	589
Japan	789	1094	1158	1299	1353	1426	1377	1390	1310	1349	1498	1520	1592	1520
France	350	511	544	568	587	522	471	500	486	595	618	583	595	606
Germany @	316	390	448	500	508	525	504	545	570	622	480	548	555	580
China	57	123	171	251	289	316	335	371	385	494	493	553	600	589
Italy	200	250	225	260	295	300	305	310	300	305	310	303	295	290
Brazil	129	249	266	284	257	256	264	261	252	274	286	310*	336*	340
U.K.	261	212	233	313	311	274	251	280	290	291	320	280*	294	252
Netherlands	216	212	235	189	221	244	246	191	176	209	178	198	184	220
Canada*	173	253	209	197	188	195	180	206	187	197	170	220	216	191
Korea Rep*	24	75	106	169	169	227	225	260	307*	340	372*	516	540	530
Taiwan	NA	77	105	136	170	175	194	198	215	297	365	376	408	428
Mexico	60	91	146	149	141	133	118	131	123	122	142	147	154	167
Belgium*	65	115	92	126	120	125	114	120	120	120	120	120	120	120
Poland	108	118	126	128	125	103	80	89	75	83	105	106	100	94
India	23	23	37	49	54	58	56	61	53	59	67	63	75	67
Total +	6855	8895	8960	10160	10150	9890	9290	9300	8600	8880	9490	9770	10040	9890

*: Estimated, NA: Not Available separately, +: Including other countries not reported separately.

@: Up to 1990 Federal Republic of Germany.

For C.I.S., data before 1992 refer to the former U.S.S.R.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE 1. ANNUAL AVERAGE TEMPERATURES IN WASH. COUNTY, 1900-1950

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950													
Jan.	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0											
Feb.	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0										
Mar.	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0									
Apr.	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0								
May	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0							
June	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0						
July	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0					
Aug.	39.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0				
Sept.	40.0	39.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0			
Oct.	41.0	40.0	39.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0		
Nov.	42.0	41.0	40.0	39.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0	
Dec.	43.0	42.0	41.0	40.0	39.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	-1.0	-2.0	-3.0	-4.0	-5.0	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0	-13.0	-14.0	-15.0	-16.0	-17.0	-18.0	-19.0	-20.0

Source: U.S. Department of Commerce, Bureau of Census, "Monthly Average Temperatures in Washington County, 1900-1950," Washington County, Oregon, 1950.

TABLE 55

PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES

(In Thousand Tonnes)

Country	1975	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
U. S. A.	1980	2215	2026	2335	2261	2115	2050	2300	2180	2390	2530	2486	2589	2610
C.I.S.	1600	2040	2125	2435	2358	2277	2105	1611	1103	632	837	775	725	599
Japan	789	1094	1158	1299	1353	1426	1377	1390	1310	1349	1498	1520	1592	1520
France	350	511	544	568	587	522	471	500	486	595	618	583	595	606
Germany @	316	390	448	500	508	525	504	545	570	622	480	548	555	580
China	57	123	171	251	289	316	335	371	385	494	483	553	600	589
Italy	200	250	225	260	295	300	305	310	300	305	310	303	295	290
Brazil	129	249	266	284	257	256	264	261	252	274	286	310*	336*	340
U.K.	261	212	233	313	311	274	251	280	290	291	320	280*	294	252
Netherlands	216	212	235	189	221	244	246	191	176	209	178	198	194	220
Canada*	173	253	209	197	188	195	180	206	187	197	170	220	218	191
Korea Rep*	24	75	106	169	169	227	225	260	307*	340	372*	516	540	530
Taiwan	NA	77	105	136	170	175	194	198	215	297	365	376	408	428
Mexico	60	91	146	149	141	133	118	131	123	122	142	147	154	167
Belgium*	65	115	92	126	120	125	114	120	120	120	120	120	120	120
Poland	108	118	126	128	125	103	80	89	75	83	105	106	100	94
India	23	23	37	49	54	58	56	61	53	59	67	63	75	67
Total +	6855	8695	8960	10160	10150	9890	9290	9300	8600	8880	9490	9770	10040	9890

* : Estimated, NA : Not Available separately, + : including other countries not reported separately.

@ : Up to 1990 Federal Republic of Germany.

For C.I.S., data before 1992 refer to the former U.S.S.R.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-56

CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES

(In Thousand Tonnes)

COUNTRY	1975	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
U. S. A	1964	1980	1962	2017	2051	1821	1768	1960	2001	2118	2172	2187	2323	2354
C.I.S.	NA	NA	2115	2375	2180	2078	1980	1200	770*	422	424	438	450	420
Japan	595	885	948	1042	1103	1133	1119	1081	1022	1026	1085	1125	1163	1116
China*	55	155	245	290	330	340	395	495	520	690	760	870	995	1000
Germany @	360	421	411	471	476	511	502	506	488	512	426	478*	501*	529
France	278	342	312	315	358	351	342	365	315	400	430	436	416	451
Italy	220	288	277	312	325	310	305	295	280	285	293	291	290	277
Korea Rep*	NA	NA	145	255	236	279	251	275	300	320	370	440	406	275
Brazil*	176	244	235	283	285	284	290	297	270	275	280	290	310	315
U.K*	266	248	201	227	240	223	201	231	211	220	226	230	235	187
Canada	179	200	173	202	191	185	184	198	200*	205*	198	242	259	238
Taiwan*	NA	NA	95	155	145	195	206	211	223	281	284	274	246	228
Spain	NA	NA	144	165	154	166	147	165	147	171	195	200	222	251
Mexico*	NA	NA	140	105	107	114	110	124	119	126	132	160	162	180
India	32	46	70	83	90	97	100	110	111	116	133	142	158	155
Total +	7028	8785	9000	9940	10040	9660	9220	9360	8630	8820	9260	9590	9960	9950

*: Estimated NA : Not Available separately.

@ : Upto 1990 Federal Republic of Germany

For C.I.S., data before 1992 refer to the former U.S.S.R.

+ Including allowances for discrepancies in officially reported statistics and those countries not reported separately.

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-57

PRODUCTION, CONSUMPTION AND STOCK OF NATURAL AND SYNTHETIC RUBBER

(In Thousand Tonnes)

(In Thousand Tonnes)								
Year	NATURAL RUBBER			Stock at the end of the year	SYNTHETIC RUBBER			Stock at the end of the year
	Production	Consumption	Excess(+) or deficiency(-) compared with consumption		Production	Consumption	Excess(+) or deficiency(-) compared with consumption	
1985	4400	4430	-30	1570	8960	9000	-40	1730
1986	4490	4460	+30	1600	9270	9280	-10	1720
1987	4840	4800	+40	1640	9450	9650	-200	1520
1988	5020	5100	-80	1560	10160	9940	+220	1800
1989	5150	5190	-40	1610	10150	10040	+80	1890
1990	5120	5210	-90	1520	9890	9660	+230	2120
1991	5160	5060	+100	1600	9270	9220	+50	1940
1992	5450	5320	+130	1730	9300	9360	-60	1900
1993	5310	5430	-120	1600	8600	8630	-30	1870
1994	5720	5680	+40	1640	8880	8820	+60	1930
1995	6040	5990	+50	1690	9490	9260	+230	2160
1996	6370	6150	+220	1910	9770	9590	+180	2340
1997	6380	6510	-130	1780	10040	9960	+80	2420
1998p	6690	6610	+70	1850	9890	9650	+40	2460

Source: "Rubber Statistical Bulletin" of the International Rubber Study Group.

TABLE-53

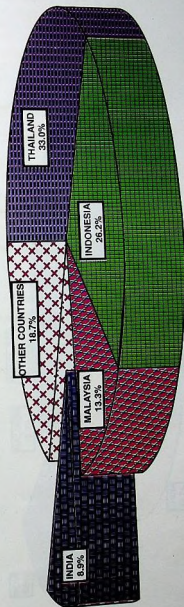
ESTIMATED PERCAPITA CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER

(Kilograms)

Country	1960	1965	1970	1975	1980	1985	1990	1991	1992	1993	1994	1995	1996	1997
U.S.A	8.77	10.75	12.28	12.18	11.26	11.43	10.52	9.99	11.24	11.50	11.97	12.07	11.96	12.61
Canada	5.19	7.22	8.77	11.04	11.65	10.65	10.12	9.25	9.99	10.09	10.63	10.77	12.05	12.88
Germany	4.58	6.20	9.21	9.01	9.77	10.05	9.07	8.91	8.92	8.17	8.57	7.69	8.19	8.72
France	4.84	5.66	8.25	8.22	9.84	8.48	9.34	9.20	9.48	8.38	10.02	10.32	10.59	10.39
U.K	5.75	6.83	8.53	7.80	6.77	5.77	6.24	5.54	6.12	5.69	6.03	6.06	5.82	6.12
Japan	2.44	3.82	7.47	7.80	11.23	12.31	14.65	14.59	14.21	13.26	13.33	14.19	14.62	14.93
Australia	5.93	7.02	7.51	7.20	6.87	5.19	5.39	4.92	5.09	6.06	6.56	6.37	5.80	5.50
Italy	2.68	3.85	5.78	6.10	7.44	7.05	7.63	7.49	7.21	6.80	6.73	6.93	6.81	7.08
Brazil	0.99	0.80	1.32	2.24	2.68	2.52	2.76	2.82	2.79	2.71	2.76	2.98	2.82	2.94
China	0.18	0.23	0.35	0.38	0.50	0.62	0.83	0.87	0.98	1.00	1.18	1.25	1.36	1.56
India	0.12	0.18	0.22	0.27	0.32	0.40	0.55	0.56	0.59	0.63	0.64	0.70	0.70	0.76
World	1.46	1.85	2.35	2.57	2.82	2.77	2.82	2.68	2.69	2.52	2.54	2.61	2.73	2.86

Source: Up to 1995, 'Key Rubber Indicators' published by IRSG, London. From 1996 onwards, compiled by Rubber Board.

Chart 13
SHARE OF INDIA IN WORLD PRODUCTION OF NR
1998



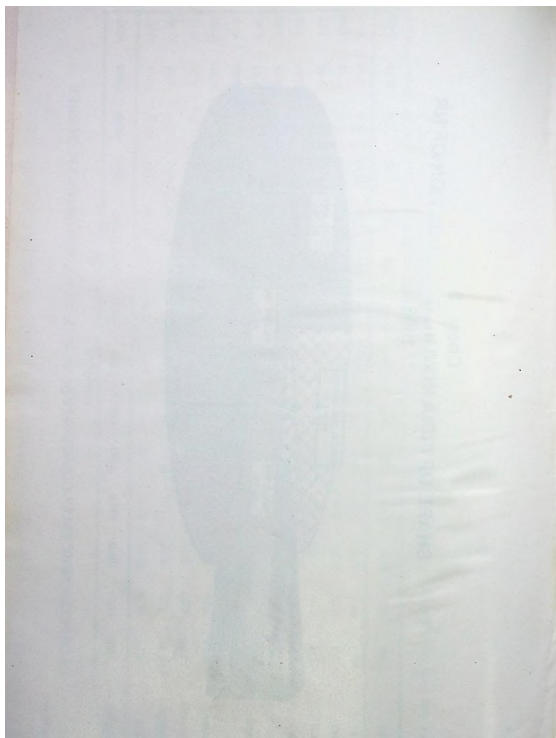


Chart 14
SHARE OF INDIA IN WORLD CONSUMPTION OF NR
1998

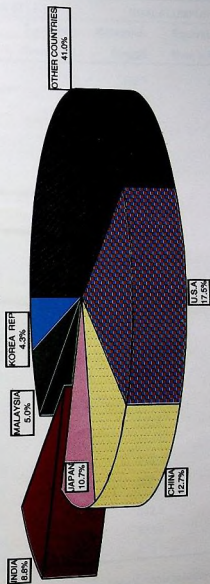




TABLE-59

WORLD PRICE OF NATURAL RUBBER

(Average price for RSS 3 per 100 Kg.)

Year	LONDON [C.I.F.]		KUALALUMPUR		INDIA
	Pound Sterling	Equivalent Rate in Rs.	Malaysian Ringgit	Equivalent Rate in Rs.	
1976	46.02	750	189.7	674	620
1977	49.34	756	194.0	692	630
1978	54.04	850	222.5	789	885
1979	62.53	1072	271.1	1011	1024
1980	63.76	1170	298.7	1083	1154
1981	53.38	938	230.8	872	1423
1982	49.37	819	181.3	739	1473
1983	73.00	1120	238.8	1042	1672
1984	73.26	1110	214.7	1040	1689
1985	61.15	980	179.8	890	1694
1986	57.09	1057	202.1	988	1670
1987	62.23	1321	236.4	1217	1766
1988	69.25	1717	301.2	1600	1811
1989	61.06	1623	247.0	1482	2040
1990	51.24	1604	220.6	1425	2147
1991	50.00	2000	216.9	1796	2128
1992	52.72	2655	212.6	2457	2463
1993	58.92	2786	207.5	2538	2546
1994	78.49	3779	288.6	3455	3107
1995	104.62	5375	390.4	5030	5059
1996	92.96	5143	342.9	4764	5122
1997	63.65	3776	273.8	3614	3988
1998	45.76	3127	273.1	2884	3013

Note: In the case of India, price refers to RSS 4 grade rubber at Kottayam market.
 Source : Rubber Statistical Bulletin of the International Rubber Study Group.