



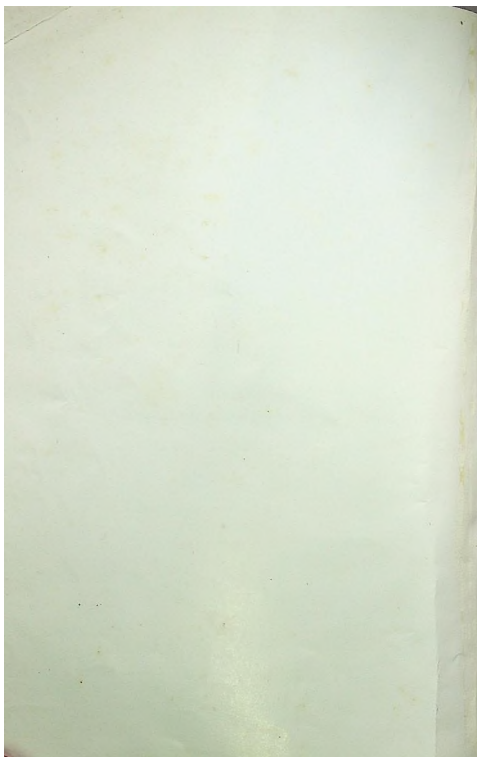
# भारतीय रबर सांख्यिकी

भाग 35, 2012

## Indian Rubber Statistics

VOL.35, 2012







## भारतीय रबड़ सांख्यिकी

भाग 35, 2012

Indian Rubber Statistics  
Volume 35, 2012

सांख्यिकी एवं योजना विभाग  
द्वारा संकलित

Compiled by:  
The Statistics & Planning Department

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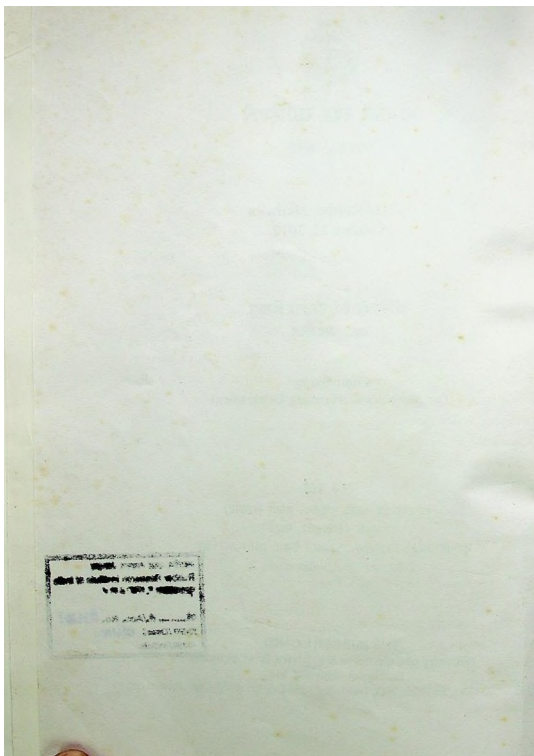
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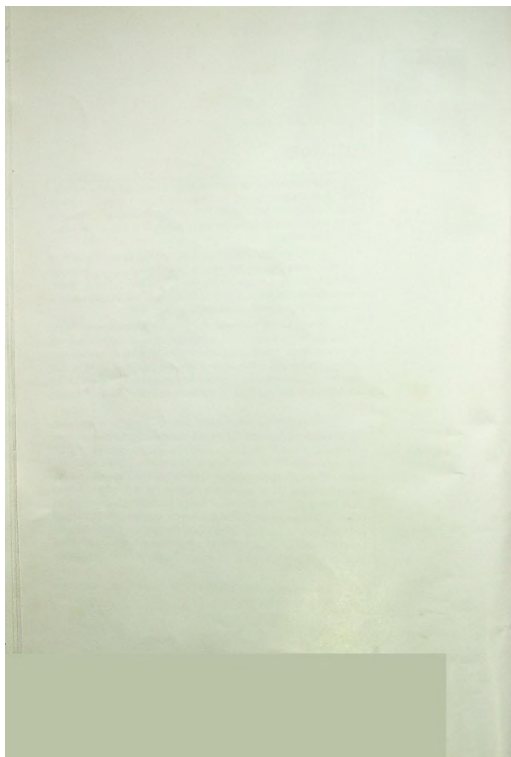


## ABOUT THE RUBBER BOARD

The Rubber Board was constituted by the Government of India as a body corporate under the Rubber Act 1947 with the primary objective of overall development of rubber industry in the country.

The functions of the Board as defined under the Act are: (1) It shall be the duty of the Board 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 the provisions and improvement of amenities and incentives for workers; (g) carrying out any other duties which may be vested in the Board under the 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; (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.



## IN RETROSPECT

### Introduction

India occupies a unique position among the major producing countries of natural rubber (NR) by enjoying the presence of a historically evolved and well-developed rubber goods manufacturing industry absorbing the entire domestic supply. Despite having a global pie of 8.1% in the supply, the country is a net importer of NR against the export-oriented structure of other major producing countries. India stands the third in terms of consumption of NR having accounted for about 8.8% of the global consumption during 2011.

In spite of being the sixth in terms of area under the crop, the country currently ranks the fourth in production, thanks to the high efficiency in production measured in terms of average yield per hectare. It is noteworthy that India has the highest average yield among the major producing countries.

### Production Sector

Like Thailand, Indonesia and Malaysia, the first three major NR-producing countries, NR is a smallholders' crop in India as well. An estimated 90% of the area and 93% of the production in India are accounted for by 1.2 million units in the smallholding sector where the average holding size is as low as 0.54 hectare compared with the average size of 2.0 to 2.5 hectare in the first three major producing countries. According to the definition followed in India, effective from 22 January 2010, rubber-growing units having more than 10 hectare of area are 'estates'. A total area of 70,960 hectare or 10% of the country's total rubber area as at the end of March 2011 was accounted for by the 550 units in the estate sector.

Although the State of Kerala continued to dominate in the country's supply of NR, recent years have seen a gradual shift in favour of non-traditional regions, especially the north-eastern States of Tripura, Assam, Meghalaya, etc. The relative share of Kerala State in the country's total production of NR has come down to 89.4% during 2010-11 from 92.1% during 2005-06.

The country's total area under cultivation of rubber is estimated to have expanded 3.3% to 734,780 hectare during 2011-12 from 711,560 hectare a year ago as farmers, driven by long-term prospects of the crop, brought new area under rubber.

The production rose 4.8% to 903,700 tonne during 2011-12 from the previous year's 861,950 tonne, helped by the yielding area's expansion by an estimated 13,640 hectare and improvement in average yield to 1,841 kg/ha from 1,806 kg/ha a year ago. Looking ahead, the production is expected to rise 2.9% to 930,000 tonne during 2012-13 helped by expansion in yielding area by about 13,000 hectare.

### **Consumption Sector**

The rubber-goods manufacturing sector in India is dominated by the auto-tyre & tube manufacturing industry which accounted for 65% of the total NR consumed in the country during 2011-12. Of the 4,356 rubber goods manufacturing units operated in the country during 2010-11, an estimated 3,221 units, or 74%, are tiny units annually consuming less than 50 tonne of NR. Their combined share in the country's total consumption of NR comes to less than 6% only. Unlike the production sector which is dominated by about 1.2 million units in the smallholding sector, the consumption sector is highly skewed in favour of a few number of auto-tyre manufacturing units.

India consumed 964,415 tonne of NR during 2011-12, marginally up 1.8% from the previous year. This marginal rise was driven by the auto-tyre manufacturing sector where the consumption grew 5.7% as against a 4.9% fall registered in the general rubber goods (GRG) sector. Among the various categories of auto tyres manufactured in the country, NR is prominently used in truck & bus tyres. Production of truck & bus tyres in the country grew 3% during 2011-12.

The following table provides the figures of consumption of NR and SR separated into auto-tyre and general rubber goods sectors:

**Consumption of NR and SR in Auto-Tyre and GRG Sectors**

	2010-11 (Tonne)	2011-12p (Tonne)	Growth (%)
<b>Natural Rubber (NR)</b>			
Auto-tyre sector	597,623	631,410	5.7
General rubber goods sector	350,092	333,005	-4.9
<b>Total NR</b>	<b>947,715</b>	<b>964,415</b>	<b>1.8</b>
<b>Synthetic Rubber (SR)</b>			
Auto-tyre sector	298,414	307,365	3.0
General rubber goods sector	113,416	115,985	2.3
<b>Total SR</b>	<b>411,830</b>	<b>423,350</b>	<b>2.8</b>

p : provisional

During 2012-13, the consumption of NR in India is anticipated to rise 4.3% to 1,006,000 tonne.

**Trade in NR**

The general rate of import duty for all forms of NR falling under HS 400121, 400122 and 400129 remained unchanged at 20%, or 20 Rupees a kilogram whichever is lower, during the year under review. For NR latex (HS 400110), the earlier *ad valorem* rate of 70% has been modified effective from 17 January 2012 to "70% or Rupees 49 whichever is lower".

India imported a total quantity of 213,785 tonne of NR during 2011-12, up 12% from the previous year. Nearly 59% of the volume imported during the year was free of duty by availing of the Duty Exemption Entitlement Certificate (DEEC) popularly known as the Advance Licence entitled against export of value-added products.

The increase in the volume imported during 2011-12 was partly facilitated by a concessional 7.5% import duty allowed under a tariff rate quota for a maximum quantity of 40,000 tonne of NR falling under HS 400121, 400122 and

400129. The period of validity of the tariff rate quota which was introduced on 22 December 2010, was due to expire by 31 March 2011. This was subsequently extended to 31 March 2012 under Notification No.59/2011-Customs dated 13 July 2011. Against a maximum volume of 40,000 tonne permitted to be imported under the tariff quota, only a total quantity of 31,067 tonne was landed in the country until 31 March 2012 when the period of validity lapsed.

Imports undertaken during 2011-12 through various channels are presented below in comparison with the corresponding figures of 2010-11:

#### Import of NR through various Channels

Channels of Import	Quantity imported during 2010-11 (Tonne)	Quantity imported during 2011-12p (Tonne)
Duty Exemption Entitlement Certificate (DEEC)	114,214	126,094
Open Channel	55,090	66,148
Duty Entitlement Passbook (DEPB)	4,755	16,432
Duty-free Import Authorization Scheme (DFIAS)	7,462	2,115
100% EOU and Units in the SEZs	3,075	999
Others	6,096	1,997
<b>Total</b>	<b>190,692</b>	<b>213,785</b>

p : provisional

The volume of India's export of NR fell to 27,145 tonne during 2011-12 from the previous year's 29,851 tonne. Although the price differential between the domestic and overseas markets stayed favourable to export during most of the year under review, high volatility in the prices has been a major stumbling block. In terms of value, NR exports from India fell 22.9% to US\$ 94.07 million from US\$ 121.94 million earned in the year ago.



### Price Trends

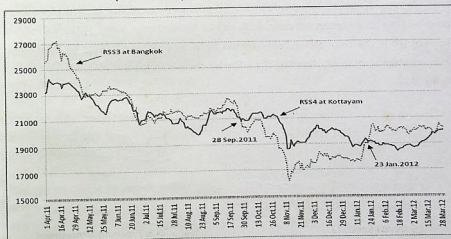
The year under review has seen rubber prices in India taking a sharp downturn with few exceptions, beginning from April 2011 and continuing the trend through mid-November 2011. The market exhibited certain degree of stability from there onwards until the end of March 2012. At Kottayam market, the price of the benchmark grade RSS-4 sharply came down from Rs 243.00 per kg on 5 April 2011 to Rs 187.00 per kg on 12 November 2011. The market hovered around Rs 195.00 per kg during the period from mid-November 2011 to the end of the fiscal year.

The downtrend at Kottayam market has largely been a manifestation of the global trend. In Bangkok market, the price of the benchmark sheet-grade RSS-3 sharply fell from Rs 272.12 per kg on 12 April 2011 to Rs 161.82 per kg on 11 November 2011. The market moderately recovered from thereafter until the end of January 2012 before stabilising around Rs 200.00 per kg during February and March 2012.

The trends in daily prices of RSS-4 at Kottayam and RSS-3 at Bangkok are depicted in the following figure with reference to the period from 1 April 2011 to 31 March 2012.

#### Trends in Daily Prices of RSS at Kottayam and Bangkok (Rs/100kg)

(Period: 1 April 2011 to 31 March 2012)





Obviously, the trends have been directionally similar in both the markets during the entire period under review with very few exceptions. However, the domestic prices stayed below the rates prevailed at Bangkok during most of the year under review. A notable exception to this was the four months from the end of September 2011 to the end of January 2012 when the domestic market enjoyed a premium.

#### **Synthetic Rubber Sector**

India's production of synthetic rubber (SR) marginally rose by 0.2% to 110,599 tonne during 2011-12. Polybutadiene (BR) dominated the domestic supply with a relative share of 71.2% during the year.

In terms of consumption during 2011-12, SR grew at a slightly faster rate of 2.8% than the 1.8% rate attained by NR. As a result, the relative NR-share in the country's total consumption of NR and SR slightly moved down to 69.5% during 2011-12 from 69.7% in the previous year.

#### **Global Trends**

Global production of NR rose 5.5% to 10.98 million tonnes during the year ended December 2011, according to figures available from the International Rubber Study Group (IRSG) in September 2012. The production anticipated for 2012 is 11.3 million tonne, up 3.2% on year. Global consumption of NR is estimated to have reached 10.92 million tonne, up 1.3%, during 2011. Turning to 2012, the consumption is anticipated to rise 2.5% to 11.2 million tonne. These figures reveal that the year 2011 ended with a surplus of 57,000 tonne and 2012 is anticipated to leave 137,000 tonne of NR as surplus.

As regards the global scenario of SR, the production increased 7.1% to 15.1 million tonne and the consumption increased 6.2% to 14.9 million tonne during 2011. The relative share of NR in the total global consumption of NR and SR is estimated to have fallen 1.1 percentage point to 42.2% during 2011. The NR-share is anticipated to remain unchanged during 2012.

R. B. Nair

Remesh B Nair

Joint Director

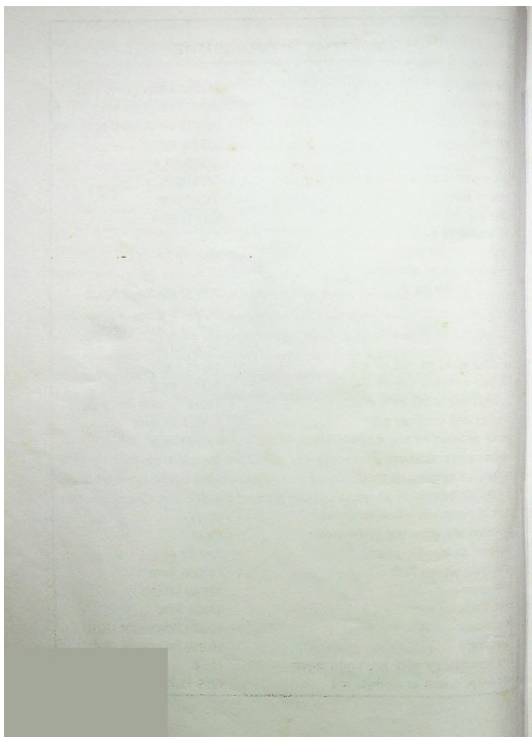
Kottayam

09 November 2012

**Statistics & Planning Department**

## स्वाभाविक रबड़ निष्पादन - 2011-12

क्षेत्र विस्तार	734780 हेक्टेयर (3.3% वृद्धि)
उत्पादन	903700 टण (4.8% वृद्धि)
उपभोग	964415 टण (1.8% वृद्धि)
आयात	213785 टण
निर्यात	27145 टण
आर एस एस 4 ग्रेड का औसतन बाजार मूल्य	₹208.05/कि ग्रा
वर्षात में स्टोक	236275 टण
छोटी जोतों की संख्या	1.22 मिलियन
बड़े बागानों की संख्या	538
औसतन उपज प्रति हेक्टेयर	1841 कि ग्रा
स्वाभाविक रबड़ पर सीमा शुल्क	
दोस रूप में	20% या प्रति कि ग्रा ₹20
	जो भी कम हो
लैटेक्स	70% या प्रति कि ग्रा ₹49
	जो भी कम हो
आयातित स्वाभाविक रबड़ का मूल्य	₹4248.2 करोड़
निर्यातित स्वाभाविक रबड़ का मूल्य	₹441.3 करोड़
आयातित रबड़ उत्पादों का मूल्य	₹5074.16 करोड़ (2010-11)
निर्यातित रबड़ उत्पादों का मूल्य	₹11514.27 करोड़
कृषकों को स्वाभाविक रबड़ से आय	₹18800 करोड़
स्वाभाविक रबड़ पर उपकर	₹101.01 करोड़
अनुज्ञापत्रित व्यापारियों की संख्या	9593
अनुज्ञापत्रित विनिर्माताओं की संख्या	4386
टायर और टायर इतर उपभोग का अनुपात	65:35
स्वाभाविक और कृत्रिम रबड़ उपभोग अनुपात	69:31
इलास्टमर का प्रतिव्यक्ति उपभोग	1.14 कि ग्रा
टायर उद्योग की कुल विक्री	₹43000 करोड़
टायर उत्पादन	125.40 मिलियन नं.
टायर निर्यात का मूल्य	₹4209 करोड़
विश्व उत्पादन	10.978 मिलियन टण (2011)
विश्व उपभोग	10.919 मिलियन टण (2011)
विश्व स्वाभाविक एवं कृत्रिम रबड़ उपभोग अनुपात	42:58
आर एसएस 3 श्रेणी का अंतर्राष्ट्रीय भाव	₹209.15/कि ग्रा



### **PERFORMANCE OF NATURAL RUBBER - 2011-12**

Area	734780 Hectare (3.3% Growth)
Production	903700 Tonne (4.8% Growth)
Consumption	964415 Tonne (1.8% Growth)
Import	213785 Tonne
Export	27145 Tonne
Average Market Price for RSS 4 grade	Rs 208.05/kg
Stock at the end of the year	236275 Tonne
Number of small holdings	1.22 Million
Number of estates	538
Average yield per hectare	1841 kg
Customs duty on natural rubber	
Solid form	20% or Rs 20/kg whichever is lower
Latex	70% or Rs 49/kg whichever is lower
Value of natural rubber imported	Rs 4248.2 Crore
Value of natural rubber exported	Rs 441.3 Crore
Value of rubber products imported	Rs 5074.16 Crore (2010-11)
Value of rubber products exported	Rs 11514.27 Crore
Income from NR to the growers	Rs 18800 Crore
Cess on Natural Rubber	Rs 101.01 Crore
Number of licensed dealers	9593
Number of licensed manufacturers	4386
Tyre and Non-tyre NR consumption ratio	65:35
NR and SR consumption ratio	69:31
Per capita consumption of elastomer	1.14 kg
Tyre industry turnover	Rs 43000 Crore
Tyre production	125.40 Million Numbers
Value of tyre exports	Rs 4209 Crore
World production	10.978 Million Tonne (2011)
World consumption	10.919 Million Tonne (2011)
World NR & SR consumption ratio	42: 58
International price of RSS 3 grade	Rs 209.15/kg

## CONNOTATIONS

Holding	Unless the contrary is stated, the word means a rubber area contiguous or non-contiguous aggregating 10 ha or less under a single ownership.
Estate	Land contiguous or non-contiguous aggregating more than 10 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.  (According to "The Rubber (Amendment) Act 2009" dated 22 <sup>nd</sup> January 2010, the rubber growers possessing an area of 10 hectare and above are classified as large rubber growers. The ceiling until then was 50 acre or 20 hectare).
Newplanted area	Land planted with rubber for the first time.
Replanted area	Land planted with rubber by removing the rubber trees planted earlier.
Tapped area	Area, which is being tapped.
Yield per hectare	Average yield per ha of tapped 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 and all consumers (manufacturers of rubber goods) of natural rubber 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 drc.
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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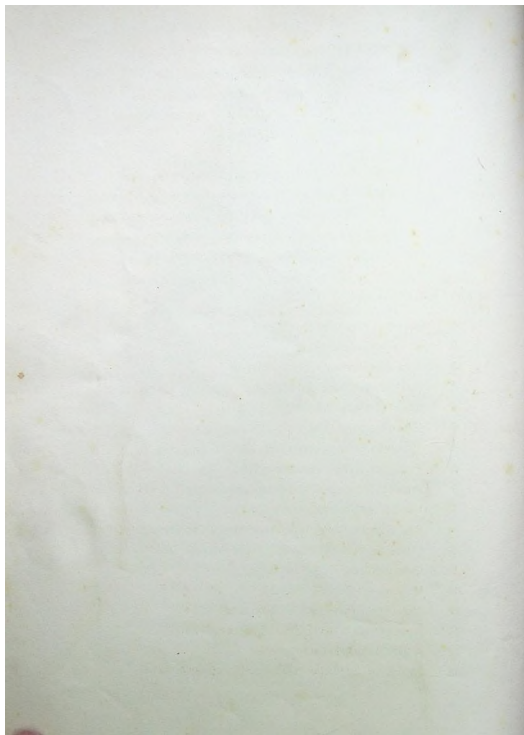


TABLE - 1

# AREA NEWPLANTED AND REPLANTED WITH RUBBER (Hectares)

Year	Newplanted	Replanted	Total	Year	Newplanted	Replanted	Total
1994-95	7500	7000	14500	2003-04	6980	7350	14330
1995-96	7800	7500	15300	2004-05	12500	7130	19630
1996-97	10400	7000	17400	2005-06	16750	7520	24270
1997-98	13300	7500	20800	2006-07	21500	8380	29880
1998-99	8800	6500	15300	2007-08	22750	8500	31250
1999-00	6100	5200	11300	2008-09	30200	10000	40200
2000-01	6780	6640	13420	2009-10	25500	11000	36500
2001-02	6380	5930	12310	2010-11p	25000	11000	36000
2002-03	5390	7890	13280	2011-12p	23000	10000	33000

TABLE -2

## STATE-WISE AREA UNDER RUBBER AT THE END OF EACH YEAR

(Hectares)

State	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11p
Kerala	476047	479602	485610	493800	502740	512045	517475	525408	534228
Tamil Nadu	18631	18633	18642	18815	19233	19410	19355	19545	19767
<b>Traditional Total</b>	<b>494678</b>	<b>498235</b>	<b>504252</b>	<b>512615</b>	<b>521973</b>	<b>531455</b>	<b>536830</b>	<b>544953</b>	<b>553995</b>
Tripura	28853	30770	32065	34189	37846	41165	50070	55415	59285
Assam	13208	13841	14057	14848	15890	18225	23705	28102	32659
Meghalaya	4586	4758	4834	5060	5331	6830	7740	9196	10584
Nagaland	2087	2091	2164	2274	2486	2697	3515	4141	5287
Manipur	1708	1773	1786	1829	1859	1914	2380	2723	2977
Mizoram	696	709	498	507	525	551	735	908	942
Arunachal Pradesh	372	379	416	425	446	458	720	1200	1951
<b>North East Total</b>	<b>51510</b>	<b>54321</b>	<b>55840</b>	<b>59132</b>	<b>64383</b>	<b>71840</b>	<b>88865</b>	<b>101685</b>	<b>113685</b>
Karnataka	20294	20460	21189	23153	26035	28830	32415	34777	38110
A&N Islands	960	962	843	762	729	729	880	878	879
Goa	870	755	761	704	772	986	1010	1017	1081
Maharashtra	200	182	152	149	171	373	650	858	1173
Odisha	552	480	456	465	500	528	570	657	744
West Bengal	494	461	473	523	526	548	580	587	625
Andhra Pradesh	109	124	124	107	111	111	180	1103	1268
<b>Others Total</b>	<b>23479</b>	<b>23424</b>	<b>23998</b>	<b>25963</b>	<b>28844</b>	<b>32105</b>	<b>36285</b>	<b>39877</b>	<b>43880</b>
<b>Non Traditional Total</b>	<b>74989</b>	<b>77745</b>	<b>79838</b>	<b>84995</b>	<b>93227</b>	<b>103945</b>	<b>125150</b>	<b>141562</b>	<b>157565</b>
<b>Grand Total</b>	<b>569667</b>	<b>575980</b>	<b>584090</b>	<b>597610</b>	<b>615200</b>	<b>635400</b>	<b>661960</b>	<b>686515</b>	<b>711560</b>
Annual growth rate	0.55	1.11	1.41	2.31	2.94	3.26	4.18	3.71	3.65

TABLE - 3

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

District/ State/ Union Territory	2005-06			2006-07			2007-08		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	28197	723	28920	28537	723	29260	28914	726	29640
2. Kollam	28007	7268	35275	28324	7246	35570	28678	7082	35760
3. Pathanamthitta	42001	7550	49551	42160	7491	49651	42318	7542	49860
4. Alappuzha	3934	0	3934	4080	0	4080	4210	0	4210
5. Kottayam	107575	4090	111665	107794	4056	111850	106040	3995	112035
6. Idukki	34671	4173	38844	34900	4110	39010	35227	4108	39335
7. Ernakulam	54483	2806	57289	54794	2796	57590	55127	2803	57930
8. Thrissur	9848	4210	14058	10282	4228	14510	10667	4123	14790
9. Palakkad	31050	902	31952	32296	878	33164	33415	870	34285
10. Malappuram	30065	2523	32588	31783	2372	34155	33326	2574	35900
11. Kozhikode	14982	3245	18227	15702	3238	18940	16302	3298	19600
12. Wynad	7777	0	7777	8340	0	8340	8890	0	8890
13. Kannur	37159	1207	38366	38768	1107	39875	40516	1064	41580
14. Kasargod	24856	518	25374	26295	460	26745	27770	460	28230
<b>KERALA</b>	<b>454615</b>	<b>39185</b>	<b>493800</b>	<b>464035</b>	<b>38705</b>	<b>502740</b>	<b>473400</b>	<b>38645</b>	<b>512045</b>
TAMIL NADU	12495	6320	18815	12643	6590	19233	13080	6330	19410
TRIPURA	24894	9305	34199	28166	9680	37846	31200	9965	41165
ASSAM	13152	1696	14848	14160	1730	15890	16500	1725	18225
MEGHALAYA	4202	858	5060	4721	610	5331	5664	1166	6830
NAGALAND	2117	157	2274	2329	157	2486	2540	157	2697
MANIPUR	1352	477	1829	1382	477	1859	1437	477	1914
MIZORAM	426	81	507	445	80	525	468	83	551
ARUNACHAL PRADESH	388	37	425	409	37	446	421	37	458
KARNATAKA	17100	6053	23153	19955	6090	26035	22780	6050	28830
A & N ISLANDS	44	718	762	44	685	729	44	685	729
GOA	316	388	704	384	388	772	320	666	986
MAHARASHTRA	91	58	149	113	58	171	315	58	373
ODISHA	377	88	465	412	88	500	440	88	528
WEST BENGAL	392	131	523	406	120	526	435	113	548
ANDHRA PRADESH	107	0	107	111	0	111	111	0	111
<b>Grand Total</b>	<b>532058</b>	<b>65552</b>	<b>597610</b>	<b>549715</b>	<b>65485</b>	<b>615200</b>	<b>569155</b>	<b>66245</b>	<b>635400</b>
Percentage share	89.03	10.97	100.00	89.36	10.64	100.00	89.57	10.43	100.00

TABLE -3(Cont.)

District/State/ Union Territory	2008-09			2009-10			2010-11*		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	28309	700	30009	29749	700	30449	30118	852	30970
2. Kollam	28960	6705	35665	29206	6905	36111	29453	7077	36530
3. Pathanamthitta	42473	7341	49814	42623	7334	49957	42800	7460	50260
4. Alappuzha	4254	0	4254	4329	0	4329	4380	0	4380
5. Kottayam	108306	4270	112576	108648	4270	112918	108892	4836	113728
6. Idukki	35514	3867	39381	35762	3917	39679	35930	4070	40000
7. Ernakulam	55419	2890	58309	55839	2890	58729	56076	2954	59030
8. Thrissur	10927	3767	14694	11250	3757	15007	11489	3921	15410
9. Palakkad	34146	694	34840	34865	694	35559	35386	1044	36430
10. Malappuram	34361	2570	36931	35616	2520	38136	36633	2887	39520
11. Kozhikode	16752	3187	19939	17571	2787	20358	18064	3316	21380
12. Wynad	9315	0	9315	9723	0	9723	10070	0	10070
13. Kannur	41648	722	42370	43097	722	43819	44006	774	44780
14. Kasargod	28856	522	29378	30102	522	30624	31063	657	31740
<b>KERALA</b>	<b>480240</b>	<b>37235</b>	<b>517475</b>	<b>488380</b>	<b>37028</b>	<b>525408</b>	<b>494380</b>	<b>39848</b>	<b>534228</b>
TAMIL NADU	13344	6011	19355	13460	6065	19545	13640	6127	19767
TRIPURA	38595	11475	50070	43992	11423	55415	47796	11489	59285
ASSAM	21942	1763	23705	26355	1747	28102	30440	2219	32659
MEGHALAYA	6574	1166	7740	7679	1517	9196	9060	1524	10584
NAGALAYA	3318	197	3515	3858	183	4141	5051	236	5287
MANIPUR	1903	477	2380	2246	477	2723	2500	477	2977
MIZORAM	652	83	735	719	189	908	759	183	942
ARUNACHAL PRADESH	683	37	720	1163	37	1200	1914	37	1951
KARNATAKA	28065	6350	32415	28200	6577	34777	31374	6736	38110
A & N ISLANDS	44	836	880	44	834	878	44	835	879
GOA	344	666	1010	350	667	1017	385	686	1081
MAHARASHTRA	592	58	650	822	36	858	937	236	1173
ODISHA	467	103	570	558	99	657	620	124	744
WEST BENGAL	435	145	580	435	151	587	623	203	825
ANDHRA PRADESH	180	0	180	1103	0	1103	1268	0	1268
<b>Grand Total</b>	<b>595378</b>	<b>66602</b>	<b>661980</b>	<b>619468</b>	<b>67050</b>	<b>686515</b>	<b>640600</b>	<b>70960</b>	<b>711560</b>
Percentage share	89.94	10.06	100.00	90.23	9.77	100.00	90.03	9.97	100.00

TABLE - 4

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

(Area in hectares)

Year	HOLDINGS									
	2 ha. & below		Above 2 ha. & upto & including 4 ha.		Above 4 ha. & upto & including 20 ha.		Total			
	Units	Area	Units	Area	Units	Area	Units	Area	Area	
1992-93	824298	351571	13627	36450	4575	33138	842500	421189		
1993-94	845402	359451	13714	37205	4584	33437	863700	430093		
1994-95	862728	365654	13984	37849	4678	34016	881400	437519		
1995-96	892094	375957	14474	38079	4721	34463	911289	449489		
1996-97	912112	384008	14724	40145	4801	35284	931637	459437		
1997-98	935456	394412	17210	44104	5058	36384	957724	474880		
1998-99	948553	402336	17317	44515	5108	36850	970978	483701		
1999-00	963613	407601	17627	45031	5249	37645	986489	490277		
2000-01	988656	412574	17647	45088	5257	37686	991560	493358		
2001-02	980511	414146	18141	45803	5530	38012	1004182	498961		
2002-03	991042	428753	11377	34281	4810	39880	1007229	502894		
2003-04	1000254	435198	11400	34350	4880	40104	1016544	508652		
2004-05	1012557	443077	11500	34640	4945	40440	1029002	518157		
2005-06	1032728	455483	11685	35280	4985	41295	1049388	532058		
2006-07	1055885	471590	11825	36280	5050	41845	1072860	549715		
2007-08	1079950	488300	12200	37530	5160	43325	1087310	569155		
2008-09	1114540	511218	12580	38790	5310	45370	1132430	595378		
2009-10p	1144740	532205	13482	41889	5346	45371	1163568	619465		
2010-11p	1171170	553710	13790	43320	5255*	43570*	1190215	640800		

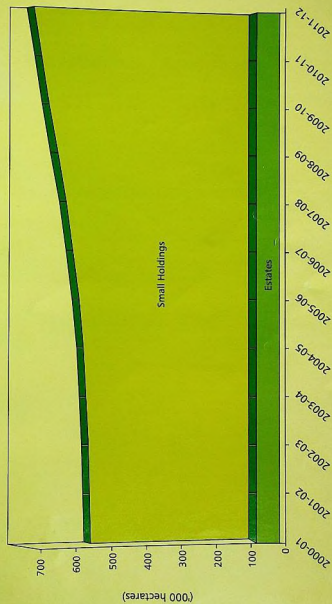
\*: Above 4 ha &amp; upto &amp; including 10 ha

TABLE - 4 (Cont.)

Year	ESTATES												Grand Total	
	Above 20 ha & upto 40 ha		Above 40 ha & upto 200 ha		Above 200 ha & upto 400 ha		Above 400 ha & upto 600 ha		Above 600 ha		Total		(Holdings & Estates)	
	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area
1992-93	126	3543	132	11555	22	6285	21	10649	38	46183	339	78215	842839	489374
1993-94	129	3628	132	11406	22	6280	21	10679	38	46334	342	78327	864042	509420
1994-95	130	3659	132	11377	22	6266	21	10638	38	46088	343	78028	881743	515547
1995-96	114	3286	134	12291	25	7589	19	9635	34	41575	326	74576	911615	524075
1996-97	112	3214	134	12262	25	7610	20	10303	32	40420	323	73809	931960	533246
1997-98	111	3165	136	11732	23	6821	22	11396	30	36540	322	69654	958046	544534
1998-99	111	3171	136	11743	23	7059	21	10775	30	36592	321	69340	971299	553041
1999-00	111	3188	137	11680	23	7159	20	10301	30	35979	321	68307	986810	558584
2000-01	108	3118	135	11591	24	7487	21	10720	28	34396	316	67312	991876	562670
2001-02	98	2917	136	11547	24	7548	21	10721	28	34861	307	67594	1004489	566555
2002-03	90	2649	136	11494	23	7171	22	11119	28	34340	299	66773	1007528	569667
2003-04	76	2218	137	11744	18	5541	20	10047	30	36778	281	66328	1016825	575980
2004-05	69	2014	136	11616	18	5543	21	10526	29	36234	273	65933	1029275	584090
2005-06	68	2009	132	11167	19	6011	20	10436	28	35929	267	65552	1049655	597610
2006-07	66	1973	126	10950	20	6023	20	10456	28	36083	260	65485	1073120	615200
2007-08	68	2011	121	10566	22	6470	20	10446	28	36762	259	66245	1097569	635400
2008-09	88	2579	112	9444	22	6681	16	8271	30	39627	268	66602	1132698	661980
2009-10p	92	2677	112	9430	21	6440	17	8635	30	39888	272	67050	1163840	686515
2010-11p	370**	7325**	112	9546	24	7316	15	7747	29	39026	550	70960	1190765	711560

\*\* Above 10 ha &amp; upto 40 ha (Refer page xlii)

Chart 1  
AREA UNDER HOLDINGS AND ESTATES





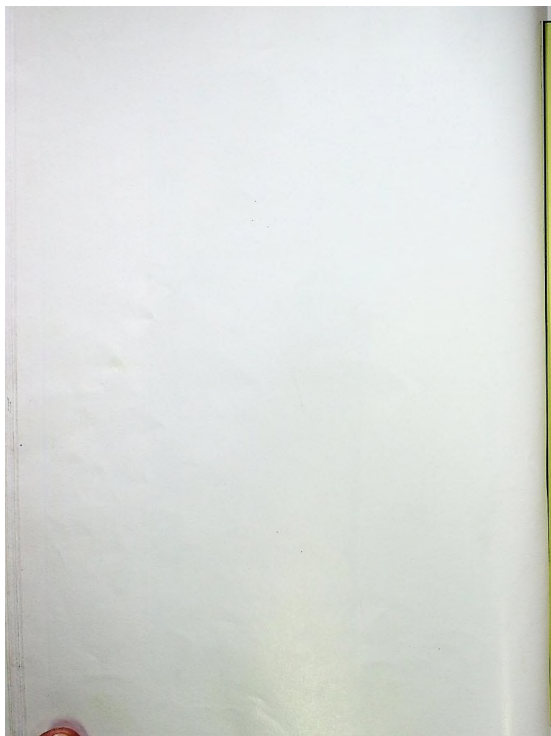
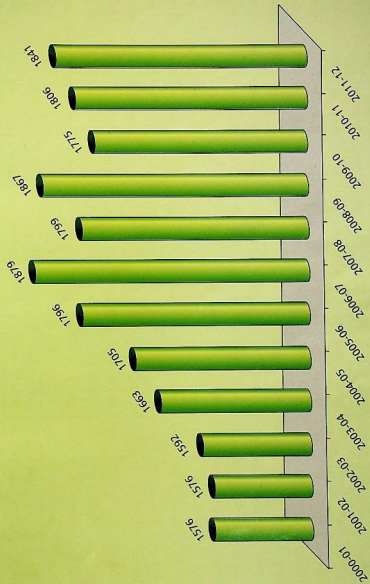


Chart 2  
AVERAGE YIELD PER HECTARE (Kilograms)



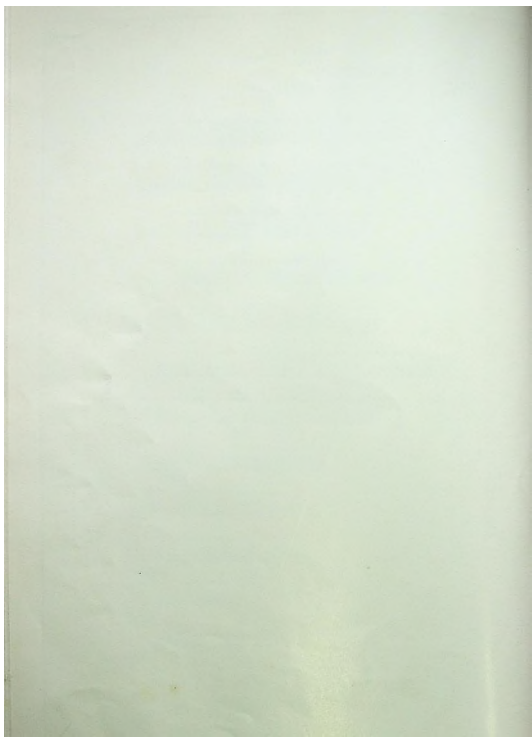


TABLE - 5

## 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		TAMILNADU		KARNATAKA		OTHERS		TOTAL						
	Tapped area	Production	Tapped area	Yield	Tapped area	Production	Tapped area	Yield	Tapped area	Production					
1995-96	323812	474555	1443	12420	17335	1396	9530	10275	1078	5632	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
1998-99	349683	559099	1599	13215	20263	1533	10685	12549	1174	13517	13134	972	387100	605045	1563
1999-00	355342	572820	1612	13377	21134	1580	10980	13115	1194	15101	15196	1006	394800	622265	1576
2000-01	359780	579866	1612	13651	21611	1583	11043	13368	1211	15427	15560	1009	399901	630405	1576
2001-02	360006	590350	1612	13677	21631	1582	11110	13465	1212	15920	15954	1002	400713	631400	1576
2002-03	363791	594917	1635	14065	22253	1582	11278	13659	1211	18819	18606	989	407953	649435	1592
2003-04	381970	655135	1715	14170	22520	1589	11488	14070	1225	20307	19925	981	427935	711650	1663
2004-05	391397	690768	1765	14325	22660	1584	11560	14440	1249	22438	21767	970	439720	749665	1705
2005-06	396385	739225	1865	14505	23555	1624	11755	14940	1271	24370	24905	1022	447015	802625	1796
2006-07	399635	763275	1960	14650	24020	1640	12414	16125	1299	27321	29475	1079	454020	852895	1879
2007-08	401420	753135	1876	14730	23820	1617	12850	16450	1280	29830	31940	1071	458830	825345	1799
2008-09	401706	762885	1948	15113	24355	1612	13635	19175	1406	32676	38285	1172	463130	864500	1867
2009-10	402740	746510	1851	15125	24695	1633	14610	21331	1460	36005	39864	1107	468480	831400	1775
2010-11p	406394	770580	1896	15385	25160	1635	16230	23705	1461	39221	42505	1084	477230	861950	1806

TABLE - 6

# MONTH-WISE PRODUCTION OF NATURAL RUBBER (Tonnes)

Month	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
April	44105	40035	39800	45580	47550	48490	54555	53865	57250	51520	53500	56800
May	47345	43350	42410	49980	47300	53010	56500	46485	60115	53550	56400	59700
June	40400	39175	43635	47035	49205	49625	57810	43480	62200	54255	56850	59200
July	42750	43490	45835	49485	53110	53455	65500	39590	62550	50250	58500	64300
August	45320	51485	51475	59850	63590	65210	74495	80850	73250	64750	72500	71200
September	55550	56450	58480	64815	73130	70895	73550	65275	80500	74300	77500	80200
October	64825	62450	63215	71290	75395	81405	82970	88505	84365	88775	82400	89300
November	72090	75525	75410	85325	89065	93505	95525	109480	95550	93500	90500	94400
December	78850	79410	80495	88450	91455	96125	101680	111730	100225	100850	103000	106800
January	70550	73030	75525	77545	80110	93510	96450	103515	91900	97500	98800	102500
February	32515	31855	35050	36455	38205	51505	51455	54520	48295	51500	57500	54000
March	37105	35145	38105	38760	41550	45890	42605	47250	48300	50650	54400	55300
Total	630405	631400	649435	711650	749665	802625	852895	825345	864500	831400	861950	903700
Growth(%)	1.31	0.16	2.86	9.58	5.34	7.06	6.26	-3.23	4.74	-3.83	3.67	4.84
Cal. year Total	628840	631540	640785	707570	742560	771585	853290	810570	881290	820245	850800	892700
Change	1.41	0.41	1.46	10.42	4.95	3.91	10.99	-5.01	8.72	-6.93	3.73	4.92

Chart 3  
TYPE-WISE PRODUCTION OF NR 2011-12



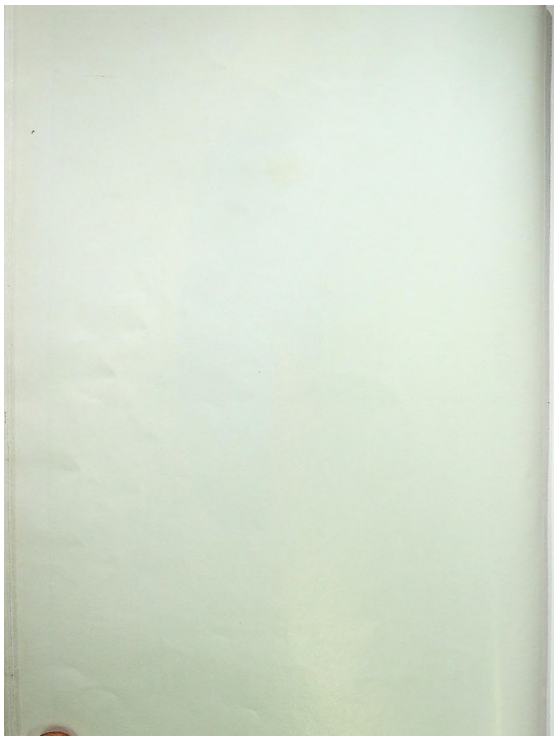


TABLE - 7

## TYPE-WISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

Type	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12a
RSS Grades	453465	441875	490070	532155	566445	612735	583875	617125	579850	619860	658200
Latex Concentrates(drc)	62990	76205	81860	78795	90950	86780	88305	88070	85760	78065	76480
Solid Block Rubber	66650	81405	87665	84275	92540	98500	100705	110275	120780	117830	119815
Others	48285	49950	52055	54440	52690	54880	52460	49030	46210	48095	49195
Total	631400	649435	711650	749665	802625	852895	825345	864500	831400	861950	903700



TABLE - 8

## PRODUCTION BY HOLDINGS AND ESTATES

(Tonnes)

Year	Holdings	Estates	Total	Year	Holdings	Estates	Total
1987-88	181710	53487	235197	1999-00	544800	77865	622265
1988-89	204000	55172	259172	2000-01	553770	76635	630405
1989-90	239400	57900	297300	2001-02	555320	76080	631400
1990-91	268500	61115	329615	2002-03	580080	69355	649435
1991-92	302700	64045	366745	2003-04	647095	64555	711650
1992-93	327500	65980	393480	2004-05	685595	64070	749665
1993-94	367950	67210	435160	2005-06	739530	63095	802625
1994-95	405900	65915	471815	2006-07	789805	63090	852895
1995-96	436500	70410	506910	2007-08	764675	60670	825345
1996-97	475000	74425	549425	2008-09	804950	59550	864500
1997-98	507000	76830	583830	2009-10	774640	56760	831400
1998-99	527000	78045	605045	2010-11 <sup>p</sup>	802640	59310*	861950

\* : Production of those units having area above 10 ha is also included. (Refer page xiii)

Chart 4  
PRODUCTION OF HOLDINGS AND ESTATES



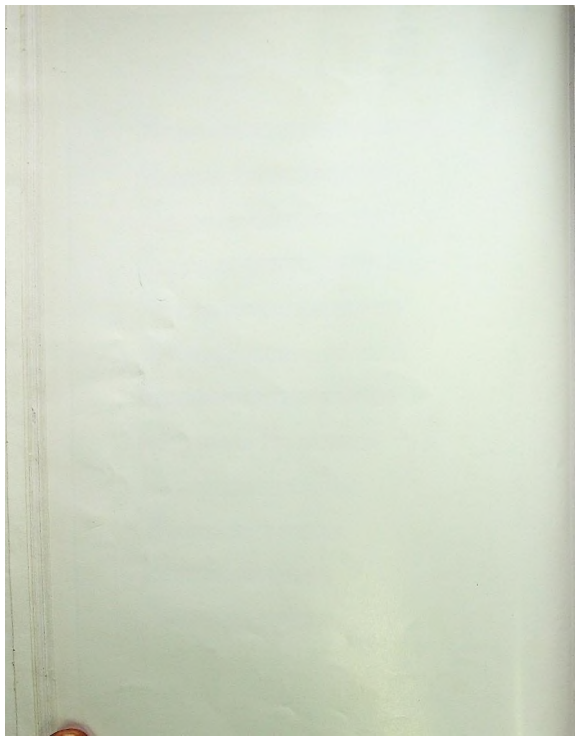


TABLE -9

## DISTRICT-WISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

District/State	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11p
Thiruvananthapuram	34206	36326	37915	43660	47280	44950	45880	42900	44690
Kollam	46386	50035	53233	55440	58360	55655	54380	50630	54130
Pathanamthitta	62833	67985	69094	70865	77440	73690	79640	77400	79220
Alappuzha	4356	5063	5577	6790	7400	6750	6860	6590	6740
Kottayam	143244	152682	162409	166940	173600	166180	176905	170900	172200
Idukki	45295	49496	52441	55630	57115	54800	59035	54600	57230
Ernakulam	73752	79647	82603	84900	88435	87595	94270	90770	91700
Thrissur	19932	21383	22488	25090	27200	25375	23595	21800	22820
Palakkad	34304	40916	43353	51165	52575	50720	49680	47930	49575
Malappuram	33983	39959	42548	48110	56105	54390	52600	48080	50745
Kozhikode	23490	25544	26258	29840	31635	29445	29625	28275	29920
Wynad	4753	6230	6685	7620	8245	8085	8600	8400	9000
Kannur	40658	50381	54980	59495	61575	60350	60795	58125	61110
Kasaragod	25795	29758	31184	33360	35110	35150	40820	39020	41260
Kerala	594917	655135	690768	739225	783275	753135	782685	745510	770590
Outside Kerala	54518	56515	58897	63400	69620	72210	81815	85890	91370
Grand Total	649435	711650	749665	802625	852895	825345	864500	831400	861950

TABLE - 10

## MONTH-WISE IMPORT OF NATURAL RUBBER

(Tonnes)

Month	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
April	255	162	2015	815	4720	7408	3615	8624	4745	9784	10446	5599
May	708	843	1282	6095	6682	4844	6578	8115	9690	18018	16234	14018
June	1337	1299	894	4519	7788	9299	6518	7336	7167	23642	14431	20816
July	1939	3064	2098	5377	7245	4667	5906	4240	2667	29477	19737	19928
August	557	7432	5067	8186	5447	3664	4031	6639	3799	22957	24611	17962
September	968	8706	688	3651	7889	2521	883	9093	10205	18729	33096	12763
October	918	3938	817	2295	4169	2161	1351	8373	16010	10011	20657	8574
November	749	5398	336	1129	4668	4862	5465	8026	5743	7215	14633	16125
December	278	6441	161	1056	3309	1520	10920	8180	3426	6139	13801	21146
January	334	6230	3187	2457	7196	294	10216	8552	5153	7170	8221	28905
February	232	3900	6114	2848	8949	1470	18853	4738	2420	11988	9197	24519
March	655	2296	3558	5771	4773	2575	15463	4278	6737	11990	5528	23330
Total	8970	49769	26217	44199	72635	45265	89799	86394	77762	177130	190692	213785

Chart 5  
IMPORT OF NATURAL RUBBER



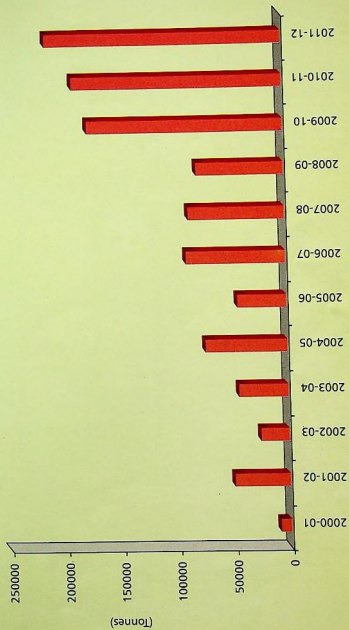
TABLE - 10

## MONTH-WISE IMPORT OF NATURAL RUBBER

(Tonnes)

Month	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
April	255	162	2015	815	4720	7408	3615	8624	4745	9784	10446	5599
May	708	843	1282	6095	6662	4844	6578	8115	9890	18018	16234	14018
June	1367	1299	894	4519	7788	9299	6518	7336	7167	23642	14431	20916
July	1939	3064	2098	5377	7245	4667	5906	4240	2667	29477	19737	19928
August	567	7432	5067	8186	5447	3664	4031	6839	3799	22957	24611	17962
September	968	8766	698	3651	7889	2521	883	9093	10205	18729	33096	12763
October	918	3938	817	2295	4169	2161	1351	8373	16010	10011	20657	8574
November	749	5398	336	1129	4688	4862	5465	8026	5743	7215	14633	16125
December	278	6441	161	1056	3309	1520	10920	8180	3426	6139	13901	21146
January	334	6230	3187	2457	7196	294	10216	8552	5153	7170	8221	28905
February	232	3900	6114	2848	8849	1470	18853	4738	2420	11998	9197	24519
March	655	2296	3558	5771	4773	2575	15463	4278	6737	11990	5528	23330
Total	8970	49769	26217	44199	72835	45285	89799	86394	77762	177130	190692	213785

Chart 5  
IMPORT OF NATURAL RUBBER





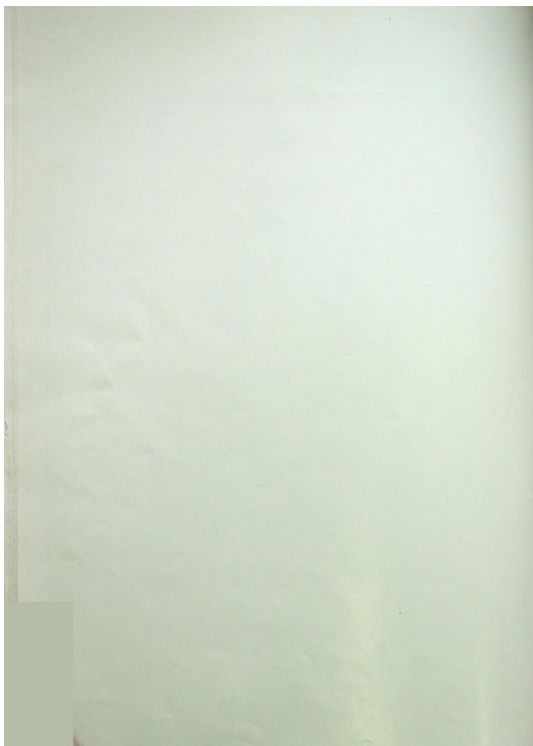


TABLE -11

## TYPE-WISE IMPORT OF NATURAL RUBBER

(Tonnes)

Type	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
RSS grades	27403	11755	11758	20919	6992	33111	26349	27220	73766	60722	75415
Solid Block Rubber	19516	12751	30539	50720	37433	55075	58595	48130	98574	128065	136550
Latex Concentrates (drc)	2515	1243	1757	979	783	1401	855	1412	4439	3525	1675
Others	335	468	145	217	77	212	595	0	351	380	145
Total	49769	26217	44199	72835	45285	89799	86394	77762	177130	190692	213785

TABLE - 12

## TYPE-WISE EXPORT OF NATURAL RUBBER

(Tonnes)

Type	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
RSS grades	6199	43688	38951	24028	35187	31786	28675	14209	2827	13150	9471
Solid Block Rubber	714	4637	19807	11559	13396	8454	8240	9283	7999	4993	953
Latex Concentrates	82	6927	17125	10496	24153	16056	22639	20636	13106	10717	15127
Others	—	59	22	68	1094	249	799	2598	1158	991	1594
Total	6995	55311	75905	46150	73830	56545	60353	46926	25090	29851	27145

TABLE-13

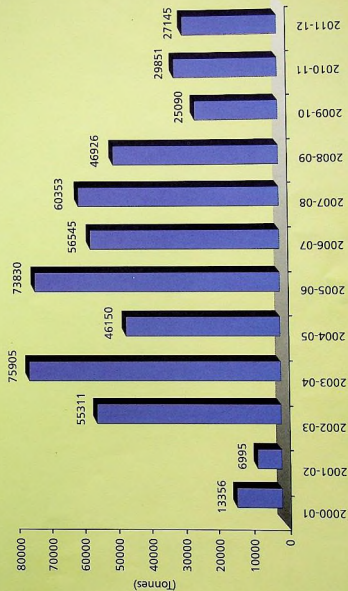
## COUNTRY-WISE EXPORT OF NATURAL RUBBER

(Quantity in Tonnes and Value in Million Rs.)

COUNTRY	2006-07		2007-08		2008-09		2009-10		2010-11		2011-12p	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
China	16592	1054	20222	1808	5518	608	1747	182	8463	1819	2890	626
Malaysia	10412	1098	12092	1117	13510	1589	6925	716	6555	1216	4273	688
Sri Lanka	4760	418	2789	227	1982	226	1182	140	2619	601	6623	1281
Germany	2658	180	2480	158	1296	96	1276	117	1375	168	2732	317
U.S.A.	1567	125	4888	308	8289	580	3076	306	1075	141	254	34
Belgium	2324	149	2873	182	2046	150	876	72	950	124	1613	212
Spain	1204	96	1052	66	1106	81	384	35	644	81	982	131
Nepal	656	67	685	61	983	105	309	25	409	67	432	84
Turkey	1751	103	1178	85	902	90	502	39	348	76	265	32
U.K.	1238	80	1177	71	749	58	183	14	195	25	43	6
Korea	608	66	776	77	1101	115	75	5	52	9	0	0
Others	12775	1101	10141	783	9444	803	8555	855	7166	1195	7038	1022
Total	56545	5137	60353	4943	46926	4502	25090	2506	29851	5522	27145	4413

Others include Pakistan, Brazil, Italy, Israel, Egypt, Indonesia, Syria, Australia, Thailand, S.Africa, Bulgaria, U.A.E, Singapore, Russia, Netherlands etc.

Chart 6  
EXPORT OF NATURAL RUBBER



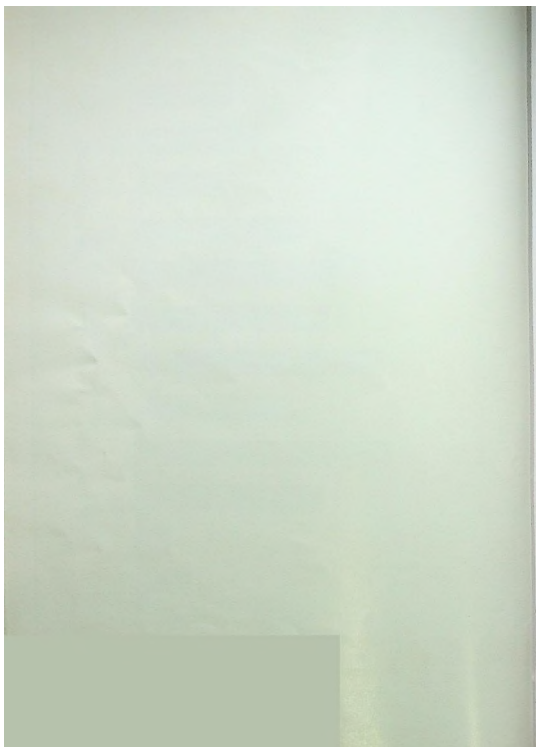


TABLE - 14

## MONTH-WISE EXPORT OF NATURAL RUBBER

(Tonnes)

MONTH	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
April	1278	301	5989	2164	3690	726	2227	2214
May	2023	476	6722	4141	3159	124	1478	3031
June	1714	732	9901	4105	9451	46	618	4558
July	897	3590	8497	4406	9299	30	24	1537
August	972	6311	10226	1416	3047	91	17	1958
September	6451	10028	6396	1166	2314	574	194	4785
October	10534	11372	1981	811	3040	2274	180	2581
November	9879	12440	973	1246	4101	4165	60	622
December	7317	9613	941	5126	3131	2563	2495	1077
January	992	4670	656	8053	1475	2906	6664	967
February	1735	5850	721	14843	2257	5556	7951	951
March	2358	8447	3552	13076	1952	6035	7943	2464
Total	46150	73830	56545	60353	46926	25090	29851	27145

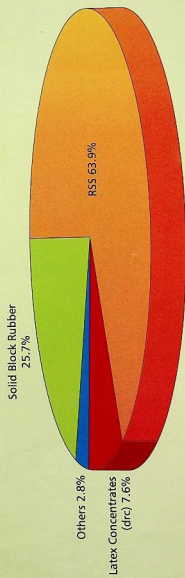
TABLE-15

## MONTH-WISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Month	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
April	51040	52875	54510	54130	59020	62560	63850	65350	70025	73470	78250	81375
May	51675	54505	56505	58095	60695	64950	65005	65895	71215	71250	79150	80120
June	53225	56010	56740	60275	62640	64745	65585	69495	74060	74220	75450	81720
July	53950	52855	58920	61450	64265	68490	68645	72070	77540	78910	76200	81210
August	52415	50820	57835	61205	64210	70240	71315	75105	75850	79750	79500	76190
September	51565	51010	57380	60310	64525	66135	69590	74590	75860	78765	80500	74870
October	51060	51335	57750	58325	62455	66725	69305	74430	75825	77950	81180	76495
November	55450	53150	58470	61405	61115	66550	70490	72525	73290	80500	78010	92440
December	56245	54425	59455	63205	65150	67545	68225	73110	68290	80250	80465	84795
January	52440	54950	60210	61175	63515	67945	69300	71010	64045	80500	81000	82535
February	50475	53045	59525	59825	63505	66670	68715	73870	71520	76350	78000	80265
March	51935	54430	58125	60200	64310	68555	70290	74005	74200	78650	80010	82400
Total	631475	638210	695425	719600	755405	801110	820305	861455	871720	930565	947715	964415
Growth(%)	0.54	1.07	8.96	3.48	4.98	6.05	2.40	5.02	1.19	6.75	1.84	1.76
Cal. year Total	637585	630635	679990	716260	745275	789270	815170	850875	880640	904830	944205	956225
Growth(%)	2.97	-1.09	7.83	5.33	4.05	5.90	3.28	4.36	3.52	2.72	4.35	1.48

Chart 7  
TYPE-WISE CONSUMPTION OF NR 2011-12





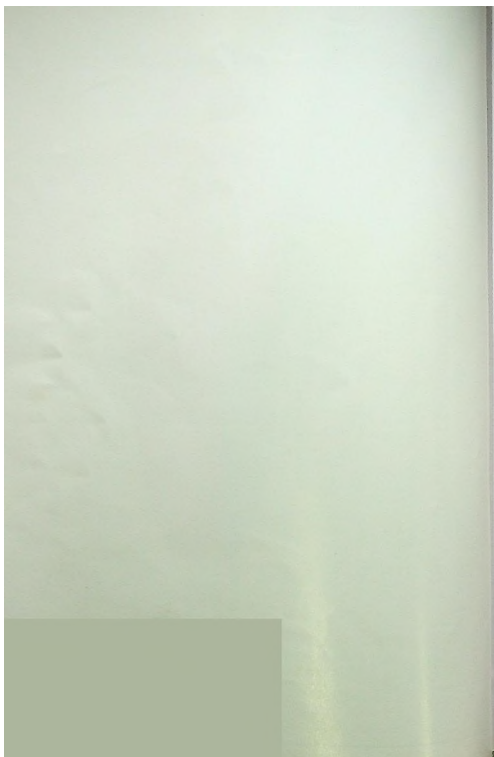


TABLE - 16

## TYPE-WISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Type	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
RSS grades	446150	492980	501625	519855	561655	561580	577635	597440	621435	607455	616215
Solid Block Rubber	82850	87305	98205	117130	115840	132755	155670	146060	190545	235130	248285
Latex Concentrates (drc)	72595	77540	78660	71880	74670	76190	77715	80520	82515	77380	73190
Others	36615	37600	41110	46540	48945	49780	50435	47700	36070	27750	26725
Total	638210	695425	719600	755405	801110	820305	861455	871720	930565	947715	964415

TABLE - 17

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

Month	2009-10			2010-11			2011-12p		
	G & D	M	T	G & D	M	T	G & D	M	T
April	142390	41115	183505	132315	63010	195325	203910	64870	268780
May	139280	44465	183725	130290	57890	188180	201360	61205	262565
June	138225	49145	187370	128935	54120	183055	140300	58700	199000
July	138880	49290	188170	136095	49505	185600	156420	53580	210000
August	143082	52958	196040	153110	49690	202800	158565	55435	214000
September	156492	53258	209750	179390	53705	233095	170650	53350	224000
October	173015	55760	228775	188090	65790	253880	190110	52890	243000
November	191785	53595	245380	210205	70525	280730	203835	48165	252000
December	214585	55665	270250	246180	68710	314890	203350	58650	262000
January	228947	63218	292165	258605	76060	334665	201240	65760	267000
February	209865	64965	274830	239375	75985	315340	173400	70600	244000
March	142560	68730	211290	215955	72345	288300	163950	72325	236275

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

TABLE -18

# **MONTH-WISE PRODUCTION OF SYNTHETIC RUBBER** (Tonnes)

Month	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
April	4401	5296	5680	6105	7834	7816	8772	7991	8689	8169	8180	9262
May	2913	5218	6497	6611	7512	7296	8999	9193	9390	7810	9522	9468
June	6136	5478	6791	5752	7892	7909	8429	7965	8763	8776	9254	9279
July	5751	5199	5904	7948	8006	7170	8639	8540	9133	9637	8188	8929
August	5819	5568	7505	7092	7858	8720	7630	8803	7781	9645	8767	9391
September	5443	5536	6715	8462	7608	7796	8065	8750	7500	8951	9320	8421
October	5308	6660	8247	7017	7368	8724	7926	8816	7690	8405	8726	8592
November	5083	5846	6370	7860	7840	8187	8219	9149	6128	8958	10084	8636
December	6563	6267	7209	7843	8173	8560	8482	9851	7059	8912	9463	10503
January	6504	5880	7800	8614	7526	8300	8163	9353	8063	10249	9859	10414
February	5587	5975	6642	7749	7242	7984	7830	8479	7055	8768	9634	9569
March	5942	6730	7041	8187	8995	9176	8459	9396	9488	8463	9343	8135
Total	65460	69653	80401	89240	93854	97638	99513	106286	96739	106743	110340	110599
Growth (%)	8.57	6.41	15.43	10.99	5.17	4.03	1.92	6.81	-8.98	10.34	3.37	0.23
Cal. year Total	60245	69111	77503	86173	94641	95941	100521	103510	99361	103869	108984	111317
Growth (%)	-7.46	14.72	12.14	11.19	9.83	1.37	4.77	2.97	-4.01	4.54	4.92	2.14

TABLE - 19

# TYPE-WISE PRODUCTION OF SYNTHETIC RUBBER

(Tonnes)

Type	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
SBR 1958 <sup>a</sup>	15197	15363	17100	16402	11503	8407	12638	8762	10704	10787	9141
Latex(drc)*	1642	1480	2651	3143	3923	4679	5471	4780	9123	10628	10843
Nitrile	6275	6781	6960	6535	10006	10913	14131	11439	14250	13020	11770
Polybutadiene	41994	50977	55652	63762	67286	71730	74046	71758	72666	75905	78745
EPDM	3835	5010	6126	3668	4920	3784	—	—	—	—	—
Others	710	780	751	344	—	—	—	—	—	—	—
Total	69653	80401	89240	93854	97638	99513	106286	96739	106743	110340	110599
Growth (%)	6.41	15.43	10.99	5.17	4.03	1.92	6.81	-8.98	10.34	3.37	0.23

@ : including HSR

\* : Includes SBR Latex, VP Latex and Nitrile Latex.

TABLE -20

## TYPE-WISE CONSUMPTION OF SYNTHETIC RUBBER

(Tonnes)

Type	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12 <sup>a</sup>
Styrene butadiene rubber <sup>a</sup>	55945	65110	71030	75610	80885	98170	110965	111745	138905	174855	185265
Polybutadiene	49995	55170	61120	64620	69080	79900	88205	82740	104465	125305	134630
Butyl	40385	44850	47400	51900	53090	55825	59260	58960	66080	67420	67670
Polychloroprene	5855	5450	5775	6220	6510	6640	6850	6775	6890	7960	6480
Nitrile	6405	7055	7280	7935	8115	9195	9135	9430	8260	7440	6890
Latex(drc)	5180	5605	5970	6190	6460	6550	6420	6900	7135	8465	7825
EPDM	6430	6730	7040	7195	7515	7830	8450	8305	8020	10480	7410
Others*	4535	4880	4575	4980	5840	6720	7870	8095	7955	9905	7180
Total	174530	194850	210190	224650	237495	270830	297155	292950	347710	411830	423350
Growth (%)	2.26	11.64	7.87	6.88	5.72	14.04	9.72	-1.42	18.69	18.44	2.80

<sup>a</sup> : Include SBR latex.

\* : Include unclassified synthetic rubber also.

TABLE-21

# STOCK OF SYNTHETIC RUBBER AT THE END OF EACH MONTH

(Tonnes)

Month	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
April	45180	51395	68840	50120	30770	24620	25770	33030	24590	36160	35690
May	43440	52900	64870	47560	27720	24615	26980	37550	26700	38840	40915
June	42070	54445	60780	44775	25940	25180	27155	42970	29130	39655	42890
July	44435	57125	58890	43905	22840	23480	26345	44070	30195	41910	45470
August	46255	60995	59930	43290	22860	22000	27570	43650	32600	38085	48945
September	46245	63320	55510	42570	23590	24950	27550	40240	33170	37950	50615
October	46710	67410	53820	41490	23960	26440	27195	38480	34820	37490	52275
November	47775	68665	51580	40330	24780	27670	25780	35420	36165	40250	45465
December	48225	68520	52210	39340	23980	27010	26435	37725	37415	38940	46210
January	49010	68995	52470	38110	24360	25460	28190	35020	36555	36370	45580
February	49840	65625	52570	34230	24665	25700	28220	27630	35490	35680	48170
March	51930	67385	51170	33470	25730	26410	31250	25670	34910	36460	50325

TABLE - 22

# **PRODUCTION, CONSUMPTION AND EXPORT OF RECLAIMED RUBBER**

(Tonnes)

Year	Production	Consumption	Export
1992-93	61490	62470	379
1993-94	62780	63110	810
1994-95	64425	64655	1928
1995-96	65780	65775	2078
1996-97	66670	66585	3306
1997-98	69840	70085	2271
1998-99	63980	63095	1252
1999-00	64080	63450	2184
2000-01	62120	62260	3349
2001-02	63550	63875	5766
2002-03	67385	67320	7625
2003-04	70990	70460	9462
2004-05	73060	72905	12313
2005-06	76645	76535	18270
2006-07	78495	78435	19100
2007-08	89250	83165	29675
2008-09	91350	86030	32710
2009-10	100770	92250	36480
2010-11	115000	100290	52335
2011-12p	128240	102435	55630



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
1997-98	583830	71983	655823	32070	86389	118459	1415		571820	160915	732735
1998-99	605045	67590	672635	29634	97548	127082	1840		591545	156395	747940
1999-00	622285	60293	682578	20213	104842	125055	5989		628110	167220	795330
2000-01	630405	65460	695865	8970	106923	115893	13356		631475	170670	802145
2001-02	631400	69653	701053	49769	111572	161341	6985		638210	174530	812740
2002-03	649435	80401	729836	26217	129902	156119	55311		695425	194850	890275
2003-04	711650	89240	800890	44199	104733	148932	75905		719600	210190	929790
2004-05	749665	93854	843519	72835	113095	185930	46150		755405	224650	980055
2005-06	802625	97638	900263	45285	132118	177403	73630		801110	237495	1038605
2006-07	852895	98513	952408	89799	171998	261797	56545		820305	270830	1091135
2007-08	825345	106286	931631	86394	195705	282099	60353		861455	297155	1158610
2008-09	864500	96739	961239	77762	190630	268392	46926		871720	292950	1164670
2009-10	831400	106743	938143	177130	250210	427340	25090		930565	347710	1278275
2010-11	861950	110340	972290	190692	302030	492722	29851		947715	411830	1359545
2011-12p	903700	110599	1014299	213785	327625	541410	27145		964415	423360	1387765

TABLE - 24

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

Month	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
<b>April</b>	216370	227985	176240	127700	134280	107080	186370	186420	208095	231485	304470
<b>May</b>	204270	213880	171160	116515	123760	99170	172835	186900	210425	227020	303490
<b>June</b>	185385	200295	156800	106550	115635	89020	150865	179085	216500	222710	241890
<b>July</b>	180975	188335	145710	101085	99285	82010	117580	159605	218365	227510	255470
<b>August</b>	187970	189715	141725	104590	92750	78055	110180	157980	228640	240885	262945
<b>September</b>	190280	187670	142920	114695	91805	79945	108960	167715	242920	271045	274615
<b>October</b>	214300	189740	148950	120955	98700	94750	131455	187990	263695	291370	295275
<b>November</b>	242635	203860	161650	143275	120175	125745	174130	209980	281545	320980	297465
<b>December</b>	273725	220160	182920	164970	141095	168800	217290	245415	307685	353830	308210
<b>January</b>	297000	234865	196160	186740	163440	204200	253530	274600	328720	371035	312580
<b>February</b>	278875	206985	165840	164875	145015	205500	226280	244410	310420	361200	292170
<b>March</b>	245000	185380	136360	143855	118750	191700	195530	221900	246200	323750	286600

TABLE - 25

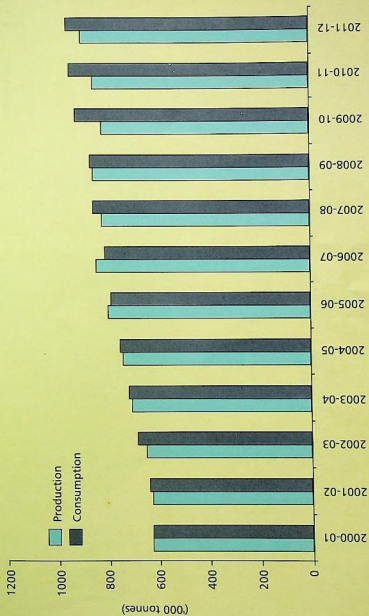
## PRODUCTION, IMPORT, EXPORT, CONSUMPTION AND STOCK OF NATURAL RUBBER

(Tonnes)

Year	Production	Annual growth rate	Import	Total Supply	Export	Consumption	Annual growth rate	Total Demand	Excess(+) / Deficiency(-) compared with demand	Stock at the end of the period*
1998-99	605045	3.63	29534	634579	1840	591545	3.45	593385	+ 41184	187965
1999-00	622265	2.85	20213	642478	5889	628110	6.18	634099	+ 8379	192570
2000-01	630405	1.31	8970	639375	13356	631475	0.54	644831	-5456	183900
2001-02	631400	0.16	49769	681169	6995	638210	1.07	645205	+35964	193070
2002-03	649435	2.86	26217	675652	55311	695425	8.96	750736	-75084	117995
2003-04	711650	9.58	44199	755849	75905	719600	3.48	795505	-39656	85190
2004-05	749665	5.34	72835	822500	46150	755405	4.98	801555	+20945	110385
2005-06	802625	7.06	45285	847910	73830	801110	6.05	874940	-27030	93020
2006-07	852895	6.26	89799	942694	56545	820305	2.40	876850	+65844	165290
2007-08	825345	-3.23	86394	911739	60353	861455	5.02	921808	-10069	164280
2008-09	864500	4.74	77762	942262	48926	871720	1.19	918646	+23616	196230
2009-10	831400	-3.83	177130	1008530	25090	930585	6.75	955655	+52875	211290
2010-11	861950	3.67	190882	1052642	29851	947715	1.84	977566	+75076	288300
2011-12p	903700	4.84	213785	1117485	27145	964415	1.76	991560	+125925	236275

\* : Including year end adjustment

Chart 8  
PRODUCTION AND CONSUMPTION OF NR



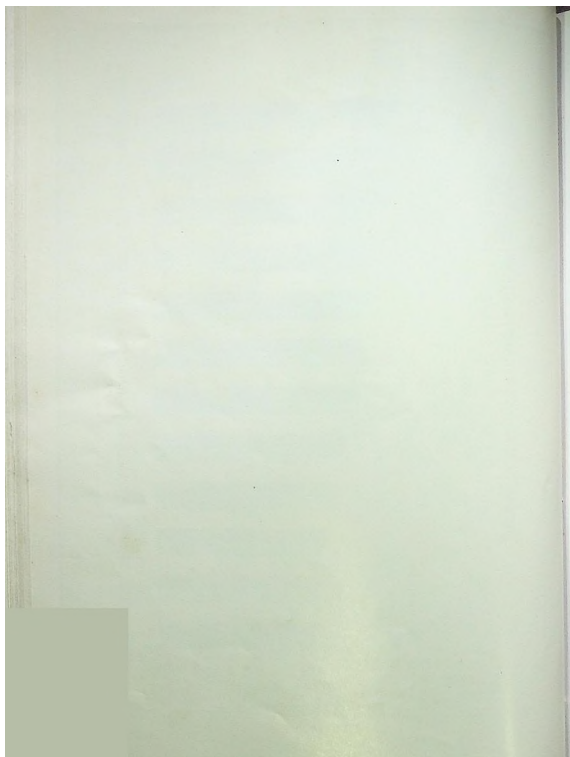


TABLE - 26

## PRODUCTION, IMPORT, CONSUMPTION AND STOCK OF SYNTHETIC RUBBER

(Tonnes)

Year	Production	Import	Total	Consumption	Excess(+) / Deficiency(-) compared with demand	Stock at the end of the period
1993-94	48633	64338	113971	113395	+ 576	14665
1994-95	63681	73860	137541	122710	+ 14831	20285
1995-96	68223	71735	139958	134085	+ 5873	18760
1996-97	64563	91050	155613	142810	+ 12803	31560
1997-98	71993	86369	158362	160915	- 2533	29030
1998-99	67590	97548	165138	156395	+ 8743	42410
1999-00	60293	104842	165135	167220	- 2085	43505
2000-01	65460	106923	172383	170670	+ 1713	45220
2001-02	69653	111572	181225	174530	+ 6695	51930
2002-03	80401	129902	210303	194850	+ 15453	67385
2003-04	89240	104733	193973	210190	- 16217	51170
2004-05	93854	113095	206949	224650	- 17701	33470
2005-06	97638	132118	229756	237495	- 7739	25730
2006-07	99513	171998	271511	270830	+ 681	26410
2007-08	106286	195705	301991	297155	+4836	31250
2008-09	96739	190630	287369	292950	-5581	25670
2009-10	106743	250210	356953	347710	+9243	34910
2010-11	110340	302030	412370	411830	+540	36450
2011-12p	110599	327625	438224	423350	+14874	50325

TABLE - 27

## STATE-WISE CONSUMPTION OF ALL KINDS OF RUBBER

(Tonnes)

State/Union Territory	2007-08			Total	2008-09			Total
	Natural	Synthetic	Reclaimed		Natural	Synthetic	Reclaimed	
Andhra Pradesh	36185	17323	6233	59741	50939	19632	7492	78063
Delhi	16267	1822	1150	19239	16137	1890	1116	19143
Goa, Daman & Diu	34733	8760	1043	44536	31950	8323	825	41098
Gujarat	66897	18875	2324	87896	65741	18866	2437	87044
Haryana	49719	9975	1831	61525	49982	9185	1944	61111
Jharkhand*	1186	301	161	1648	1071	332	176	1579
Karnataka	55812	22640	6394	84846	56331	19960	7034	83325
Kerala	142234	53998	9215	205447	139288	48504	9222	197014
Madhya Pradesh**	32419	23815	2566	58800	29615	23136	2660	55411
Maharashtra	111671	41897	13426	166994	109601	42033	15039	166673
Odisha	40038	10595	195	50828	33855	8524	186	42565
Pondicherry	2593	1794	105	4492	2963	2361	125	5449
Punjab*	83566	11696	17316	112578	81779	13200	16891	111870
Rajasthan	59385	18669	2523	80577	53046	18450	1334	72830
Tamil Nadu	60607	34205	9807	104619	64360	34723	10854	109937
Uttar Pradesh**	31224	8137	4653	44014	51197	11360	4445	67002
West Bengal	33701	12427	4092	50220	30081	12254	4088	46423
Others	3418	226	131	3775	3784	217	162	4163
Total	861455	297105	83165	1241775	871720	292950	86030	1250700



TABLE -27 (Cont.)

State/Union Territory	2009-10			2010-11p		
	Natural	Synthetic	Reclaimed	Natural	Synthetic	Reclaimed
Andhra Pradesh	52860	21925	9175	57730	28300	9810
Delhi	13140	1360	650	8120	560	455
Goa, Daman & Diu	28475	10280	820	19735	11910	1040
Gujarat	66245	26380	3070	67440	32590	2825
Haryana	50515	9835	1640	45630	12765	1795
Jharkhand*	895	305	85	755	285	80
Karnataka	64210	25690	7610	70882	28115	7970
Kerala	147085	61135	11045	136725	57425	12865
Madhya Pradesh**	33010	26210	3415	36665	28875	4030
Maharashtra	116390	46755	13805	116450	59990	14420
Odisha	38630	11630	275	37460	11080	380
Pondicherry	2085	2660	65	2350	2835	65
Punjab*	75850	13780	14575	79150	15435	14820
Rajasthan	49560	20320	3995	63630	28725	5515
Tamil Nadu	68380	38970	13520	86575	57210	14910
Uttar Pradesh**	83905	19510	4590	84273	27390	5960
West Bengal	30710	10550	2795	24555	7945	2030
Others	6620	415	1120	6590	395	1330
Total	930565	347710	92250	947715	411830	100290
			1370525			1459635

\*, including Chandigarh, \*\*, including Chattisgarh, +, including Uttarakhand and @, including Bihar.



TABLE - 28

**VALUE OF NATURAL RUBBER IMPORTED FROM VARIOUS COUNTRIES**  
(Million Rs.)

Country	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
Thailand	1716	551	2718	3134	5224	6072	7794	15323
Indonesia	700	1028	3462	3319	2466	7135	13012	11343
Malaysia	1543	540	412	369	715	506	1651	2416
Sri Lanka	146	121	706	666	639	1347	1152	955
Vietnam	103	246	297	265	168	411	3247	4957
Myanmar	29	177	91	21	15	24	117	97
Singapore	28	65	60	29	10	3	39	72
Others	21	17	59	86	135	523	2274	7319
<b>Total</b>	<b>4291</b>	<b>2745</b>	<b>7805</b>	<b>7889</b>	<b>9372</b>	<b>16021</b>	<b>29286</b>	<b>42482</b>

Source: "Monthly Statistics of Foreign Trade of India", published by DGCI&S, Kolkata.

TABLE - 29

# VALUE OF SYNTHETIC AND RECLAIMED RUBBER IMPORTED FROM VARIOUS COUNTRIES

(Million Rs.)

Country	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
Russia	2860	3572	4851	4989	7671	5629	9817	9916
Korea RP	1830	2022	2985	4988	6795	7261	12569	18594
U.S.A	951	1421	2480	3052	3491	3391	6079	7345
France	1439	1253	1749	1621	1926	1590	2049	2709
Japan	1299	1221	1108	1285	1734	3467	4245	6170
Germany	938	865	1412	1957	1716	1105	1789	2267
U. K	611	571	758	1250	1277	1706	1707	2256
Taiwan	722	620	1055	740	1199	1605	3472	4859
Netherlands	340	319	341	547	828	786	955	1251
Thailand	750	830	676	692	616	1192	1891	2848
Canada	15	194	130	202	483	224	189	53
China P RP	609	859	451	590	460	614	1954	6631
Iran	63	262	370	220	416	291	411	815
Belgium	232	207	199	274	323	795	905	1477
Brazil	588	671	896	483	94	508	137	375
Others	749	678	1145	864	1178	1930	3286	9859
<b>Total</b>	<b>14096</b>	<b>15565</b>	<b>20717</b>	<b>23744</b>	<b>30217</b>	<b>32094</b>	<b>51455</b>	<b>77425</b>

Note: Reclaimed rubber includes waste and scrap of unhardened rubber  
Source: "Monthly Statistics of Foreign Trade of India", published by DGCI&S, Kolkata.

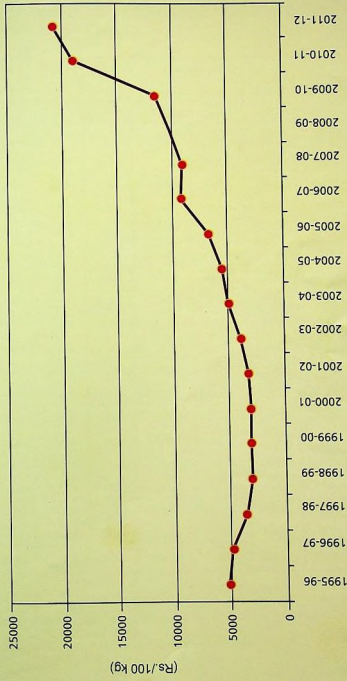
TABLE - 30

# PRICE OF DIFFERENT GRADES OF NATURAL RUBBER

(Rs per 100 Kg in Kottayam Market)

Year	RSS 1	RSS 2	RSS 3	RSS 4	RSS 5	EBC 2X	LATEX (60% drc)	ISNR 20
1999-2000	3538	3415	3272	3099	2955	2845	4091	2920
2000-01	3513	3353	3205	3036	2909	2801	4560	2840
2001-02	3558	3455	3343	3228	3081	2658	4371	2819
2002-03	4283	4183	4083	3919	3693	3513	5293	3706
2003-04	5393	5295	5195	5040	4883	4819	6482	4901
2004-05	5938	5838	5738	5571	5398	5275	7057	5301
2005-06	7036	6932	6831	6699	6494	6318	7879	6432
2006-07	9776	9646	9544	9204	8920	8672	11190	8787
2007-08	9549	9430	9330	9085	8891	8651	10491	8817
2008-09	10502	10402	10302	10112	9897	9388	11604	9692
2009-10	12045	11911	11809	11498	11164	10579	13163	10786
2010-11	19954	19753	19581	19003	18419	17551	20500	17976
2011-12	21998	21619	21139	20805	20453	19749	21364	20130
1999	3496	3346	3176	2997	2872	2731	3810	2823
2000	3599	3438	3289	3125	2994	2890	4788	2927
2001	3472	3369	3247	3109	2961	2643	4105	2756
2002	3958	3859	3761	3621	3402	3122	5039	3339
2003	5170	5072	4972	4814	4649	4576	6202	4670
2004	5942	5842	5742	5571	5401	5272	7064	5310
2005	6404	6303	6203	6068	5865	5717	7163	5808
2006	9324	9191	9089	8783	8551	8338	10868	8454
2007	9509	9390	9290	9006	8772	8514	10460	8654
2008	11146	11046	10946	10775	10547	10076	11977	10387
2009	10318	10183	10081	9756	9473	8889	11756	9080
2010	17463	17352	17245	16908	16405	15570	18379	15866
2011	23096	22678	22202	21668	21239	20479	22250	20968

Chart 9  
PRICE OF INDIGENOUS RSS4 GRADE RUBBER  
(At Kottayam Market)



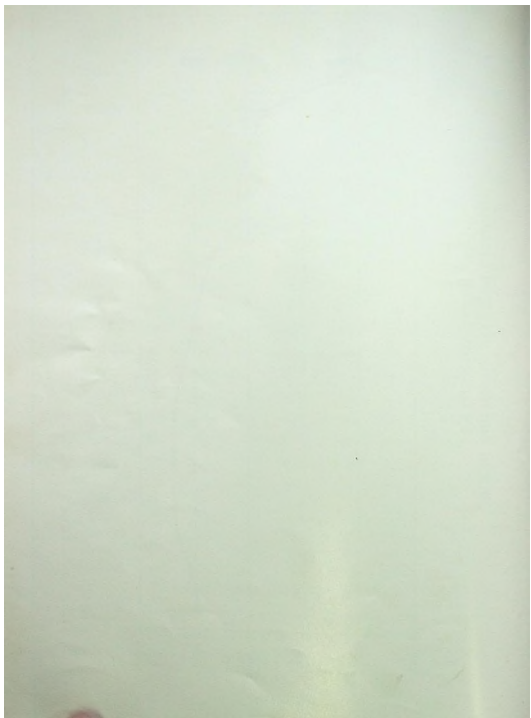


TABLE - 30(a)

**COMPARISON OF DOMESTIC AND INTERNATIONAL PRICES**

(Rs/100 Kg)

Year / Month	RSS 5	RSS 4	RSS 3	Latex(60% drc)		ISNR 20	SMR 20
	Domestic		International	Domestic	International		
2005-06	6494	6699	7432	7879	8491	6432	6868
2006-07	8920	9204	9779	11190	10883	8787	9041
2007-08	8891	9085	9675	10491	10622	8817	9308
2008-09	9897	10112	10379	11604	11749	9692	9972
2009-10	11164	11498	11113	13163	11988	10786	10582
2010-11	18419	19003	19555	20500	20156	17976	17600
April 2011	23568	23868	26071	23974	25976	23322	22235
May "	22306	22523	23367	22622	23760	21520	20165
June "	21950	22185	22577	23163	23089	21623	20314
July "	20994	21242	21266	22877	21895	21002	20157
August "	19917	20462	21356	21861	21912	20086	20705
September "	20744	21459	21843	22253	22254	20879	21310
October "	20931	21185	20252	21592	21348	20153	20051
November "	19206	19502	17525	19236	18718	17740	16988
December "	19683	20030	17938	18345	18733	18805	17430
January 2012	18556	19094	18639	18153	18700	18640	17663
February "	18435	18764	20046	20920	21314	18666	18284
March "	19141	19344	20101	21367	21805	19125	18721
2011-12	20453	20805	20915	21364	21625	20130	19502

Note: 1. Domestic price refers to Kottayam market

2. International price for RSS 3 refers to Bangkok market

3. International price of latex and SMR 20 refers to Kuala Lumpur market

TABLE - 30(b)

# COMPARISON OF DOMESTIC AND INTERNATIONAL PRICES

( US\$/100 Kg )

Month/Year	RSS 4		RSS 3		Latex(60% drc)		ISNR 20	SMR 20
	Domestic	International	Domestic	International	Domestic	International		
April 2011	537.57	587.18	539.95	585.05	525.27	500.79		
May "	501.74	520.54	503.94	529.29	479.39	449.21		
June "	494.43	503.16	516.22	514.58	481.90	452.73		
July "	478.42	478.96	515.25	493.13	473.02	453.99		
August "	451.90	471.64	482.80	483.92	443.60	457.27		
September "	452.05	460.14	468.78	468.80	439.84	448.92		
October "	429.89	410.96	438.15	433.20	408.95	406.88		
November "	385.49	346.41	380.23	369.99	350.66	335.80		
December "	381.23	341.42	349.16	356.55	357.92	331.75		
January 2012	371.55	362.70	353.24	363.88	362.72	343.71		
February "	381.38	407.44	425.20	433.21	379.39	371.63		
March "	384.73	399.78	424.96	433.67	380.37	372.33		
2011-12	434.50	436.80	446.17	451.63	420.41	407.29		

Note: 1. Domestic price refers to Kottayam market.

2. International price for RSS 3 refers to Bangkok market.

3. International price of latex and SMR 20 refers to Kuala Lumpur market.

TABLE - 31

**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
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
1999-00	5400	4800	6400	4460
2000-01	—	—	—	5403
2001-02	—	—	—	4925
2002-03	—	—	—	5250
2003-04	—	—	—	6056
2004-05	—	—	—	7413
2005-06	—	—	—	8600
2006-07	—	—	—	8705
2007-08	—	—	—	8813
2008-09	—	—	—	13396
2009-10	—	—	—	10324
2010-11	—	—	—	16141
2011-12	—	—	—	21329

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

No production of Styrene Butadiene rubber(1500/1502/1712/1958 grades) since July 1999.

Source: M/s. Synthetics & Chemicals Ltd. and M/s Reliance Industries Ltd.



TABLE -32

# **DISTRIBUTION OF MANUFACTURERS ACCORDING TO THEIR TOTAL CONSUMPTION OF RUBBER** (Tonnes)

Consumption Group	No. of Manufacturers	2003-04				No. of Manufacturers	2004-05			
		CONSUMPTION					CONSUMPTION			
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total
A	1861	11935	2649	704	15288	1868	12603	3501	713	16817
B	1842	69139	16124	4223	89486	1822	67846	16542	4363	88751
C	602	41206	11191	4666	57063	621	43496	11421	4929	59846
D	369	84197	38155	20578	142930	381	95318	40949	21278	157545
E	52	27731	4743	3079	35553	46	25267	5059	2500	32826
F	65	485392	137328	37210	659930	62	510875	147178	39122	697175
Total	4791	719600	210190	70460	1000250	4800	755405	224650	72905	1052960

Consumption Group	No. of Manufacturers	2005-06				No. of Manufacturers	2006-07			
		CONSUMPTION					CONSUMPTION			
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total
A	1838	10573	2638	681	13892	1627	10464	1384	466	12314
B	1861	68825	16077	4135	87037	1827	68815	14587	3363	86765
C	641	42439	11805	4924	59168	667	46169	11505	4785	62459
D	388	98940	41680	20523	161143	417	107804	39460	21424	166868
E	50	31126	4269	2421	37819	48	28326	3312	2126	33764
F	62	551204	161026	43851	756081	64	558727	200582	46271	805580
Total	4840	801110	237495	76535	1115140	4650	820305	270830	78435	1169570

Note: Regarding Consumption Group, see page 37.

TABLE - 32 (Cont.)

Consumption Group	No. of Manufacturers	2007-08				No. of Manufacturers	2008-09			
		CONSUMPTION					CONSUMPTION			
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total
A	1616	10519	1605	435	12559	1661	10120	1408	395	11913
B	1798	64910	11696	3854	80460	1759	59884	11481	3300	74665
C	679	49712	9652	4434	63798	645	43640	10475	3973	58088
D	425	104610	41020	22661	168291	422	105566	43584	22124	171274
E	57	31423	4169	3942	39534	59	32922	5792	4153	42867
F	66	600281	229013	47839	877133	71	619588	220210	52095	891893
Total	4641	861455	297155	83165	1241775	4617	871720	292950	86030	1250700

Consumption Group	No. of Manufacturers	2009-10				No. of Manufacturers	2010-11p			
		CONSUMPTION					CONSUMPTION			
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total
A	1672	9160	1960	457	11577	1607	8930	1620	615	11165
B	1645	44850	9313	3966	58129	1545	47585	10210	5065	62860
C	599	37593	11393	5589	54575	595	38320	10450	6110	54880
D	467	102640	41685	19663	163988	477	107745	38620	20290	166855
E	63	35129	7168	5951	48248	56	34985	7685	5975	48645
F	82	701193	276191	56624	1034008	76	710150	343045	62235	1115430
Total	4528	930665	347710	92250	1370525	4356	947715	411830	100290	1459835

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 -33

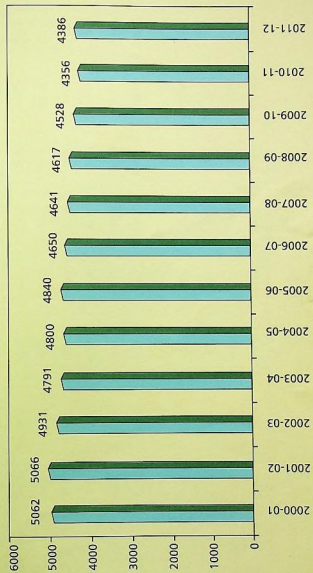
# NUMBER OF LICENSED MANUFACTURERS IN DIFFERENT STATES AT THE END OF EACH YEAR

State/ Union Territory	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Kerala	906	854	851	886	875	784	778	746	748	726	780
Maharashtra	624	578	563	542	546	547	541	540	522	493	495
Tamil Nadu	503	486	483	483	514	495	522	523	497	482	482
Punjab*	539	522	488	478	478	436	413	411	392	382	367
Uttar Pradesh	439	439	430	426	424	407	413	423	406	395	398
West Bengal	437	435	409	403	406	376	361	353	353	311	313
Gujarat	377	381	368	374	383	396	375	384	393	394	411
Haryana	307	324	324	332	337	338	359	368	362	336	338
Karnataka	219	203	194	199	206	202	218	225	210	205	205
Delhi	242	220	206	195	186	171	152	144	137	125	123
Andhra Pradesh	155	160	160	160	160	157	160	156	157	161	152
Rajasthan	99	111	109	111	115	120	128	139	136	138	133
Madhya Pradesh	86	82	77	61	67	71	68	70	65	60	61
Goa *	31	33	33	28	25	25	24	23	22	25	27
Jharkhand**	-	-	-	25	24	25	22	22	20	19	17
Chattisgarh*	-	-	-	13	14	15	14	11	10	9	6
Odisha	13	13	12	10	11	13	13	14	10	9	10
Assam	7	8	9	9	7	9	9	7	7	7	7
Uttarakhand @	-	-	-	9	10	11	17	16	17	19	21
Himachal Pradesh	10	8	8	8	7	12	17	5	25	27	26
Bihar	28	27	27	3	2	2	1	1	1	1	1
Others	44	47	40	37	43	38	36	38	38	32	33
Total	5066	4931	4791	4800	4840	4650	4641	4617	4528	4356	4386

\* : Includes Chandigarh, \*\* : upto 2003-04 included in Bihar, \* : upto 2003-04 included in Madhya Pradesh and @ : upto 2003-04 included in Uttar Pradesh

\* : Includes Daman &amp; Diu, Dadra &amp; Nagar Haveli

Chart 10  
NUMBER OF RUBBER GOODS MANUFACTURERS



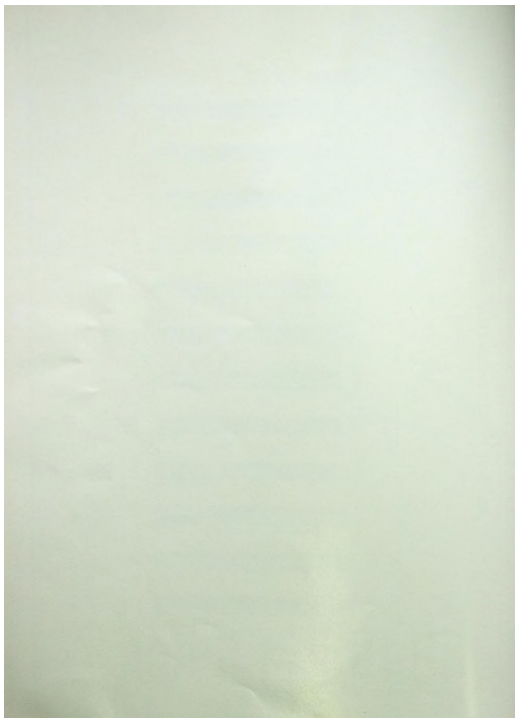


TABLE-34

## PRODUCTION OF TYRES

('000 numbers)

Year	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
Truck & Bus	10821	11092	11941	12367	13137	12839	14811	15668	16085
Tractor	2405	2815	3113	3873	3934	3915	4923	5423	5667
Car	9959	11862	13605	14263	16437	16570	20047	26201	27141
Jeep	1440	1462	1272	1368	1467	1469	1402	1500	1995
L.C.V.	3271	3945	4529	4820	5320	5298	5739	6029	6688
Motor Cycles	16688	18127	21053	26079	27921	30148	35664	43118	44857
Scooter	9274	9992	9519	9643*	11604*	10883*	13557*	20140*	22195*
Moped	168	124	55	-	-	-	-	-	-
A.D.V.	295	197	324	381	409	281	294	311	293
O.T.R.	74	89	106	115	141	136	161	191	196
Industrial	295	377	515	635	733	568	538	616	681
Total	54690	60082	66032	73544	81103	82107	97136	119197	125398

\* : including Moped

L.C.V.: Light Commercial Vehicle

A.D.V.: Animal Drawn Vehicle

O.T.R.: off-the-road

Source: Automotive Tyre Manufacturers' Association, New Delhi

TABLE-35

## PRODUCTION OF TUBES

('000 numbers)

Year	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
Truck & Bus	8851	9439	10522	11257	12016	11911	14142	14990	15404
Tractor	906	1053	1232	1425	1443	1333	1970	2006	2149
Car	5331	5947	6990	8509	11490	10773	9922	9127	8363
Jeep	1056	1040	1066	1132	1416	1411	1430	1746	1857
L.C.V.	2633	3100	3775	4156	4147	4213	4912	5232	5417
Motor Cycles	15415	18671	22263	28067	30817	31527	37095	43156	45092
Scooter	5624	8439	7044	7461*	9128*	8242*	11610*	16321*	17177*
Moped	270	347	227	-	-	-	-	-	-
A.D.V.	187	140	165	213	181	184	235	198	166
O.T.R.	19	26	38	48	60	60	68	97	112
Industrial	50	71	99	108	112	79	64	74	100
Total	40342	46273	53421	62376	70810	69733	81448	92947	95837

L.C.V.: Light Commercial Vehicle

A.D.V.: Animal Drawn Vehicle

O.T.R.: off-the-road

Source: Automotive Tyre Manufacturers' Association, New Delhi

\*: including Moped

TABLE - 36

**AUTOMOBILE PRODUCTION AND EXPORT**

('000 numbers)

**Automobile Production Trends**

Category	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
Passenger Vehicles	1309	1545	1777	1838	2357	2883	3123
Commercial Vehicles	391	520	549	417	568	761	911
Three Wheelers	435	556	501	497	619	799	878
Two Wheelers	7609	8467	8027	8420	10513	13349	15454
<b>Total</b>	<b>9744</b>	<b>11088</b>	<b>10854</b>	<b>11172</b>	<b>14057</b>	<b>17892</b>	<b>20366</b>

**Automobile Export Trends**

Category	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
Passenger Vehicles	175	198	218	336	446	444	507
Commercial Vehicles	41	50	59	43	45	74	93
Three Wheelers	77	144	141	148	173	270	363
Two Wheelers	513	620	820	1004	1140	1532	1947
<b>Total</b>	<b>806</b>	<b>1012</b>	<b>1238</b>	<b>1531</b>	<b>1804</b>	<b>2320</b>	<b>2910</b>

Source: Society of Indian Automobile Manufacturers, New Delhi



TABLE - 37

# CONSUMPTION OF ALL KINDS OF RUBBER ACCORDING TO END PRODUCTS

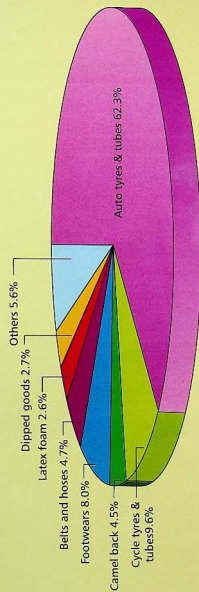
(Tonnes)

Products	2005-06			2006-07			2007-08		
	NR	SR	RR	Total	NR	SR	RR	Total	Total
1. Auto tyres & tubes*	422508	134243	16983	573734	444928	159216	18431	622575	670752
2. Cycle tyres & tubes	91700	18153	21789	131642	92587	21588	22649	136824	143311
3. Camel back	42227	11494	4442	58163	40514	13370	4837	58721	59059
4. Footwears	67471	37689	6910	112070	65617	40760	7025	113402	122105
5. Belts and hoses	41956	10747	5288	57991	43136	12095	5534	60765	65378
6. Latex foam	34466	—	—	34466	36410	—	—	36410	38522
7. Cables and wires	1453	1971	960	4384	1589	2074	988	4651	4768
8. Battery boxes	1801	2709	10223	14733	1750	2855	10463	15068	15232
9. Dipped goods	34947	—	—	34947	36495	—	—	36495	38417
10. Others	62581	20489	9940	93010	57279	18872	8508	84659	8556
Total	801110	237495	76535	1115140	820305	270830	78435	1169570	1241775

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

NR - Natural Rubber, SR - Synthetic Rubber &amp; RR - Reclaimed Rubber.

Chart 11  
TOTAL CONSUMPTION OF RUBBER  
ACCORDING TO END PRODUCTS 2010-11



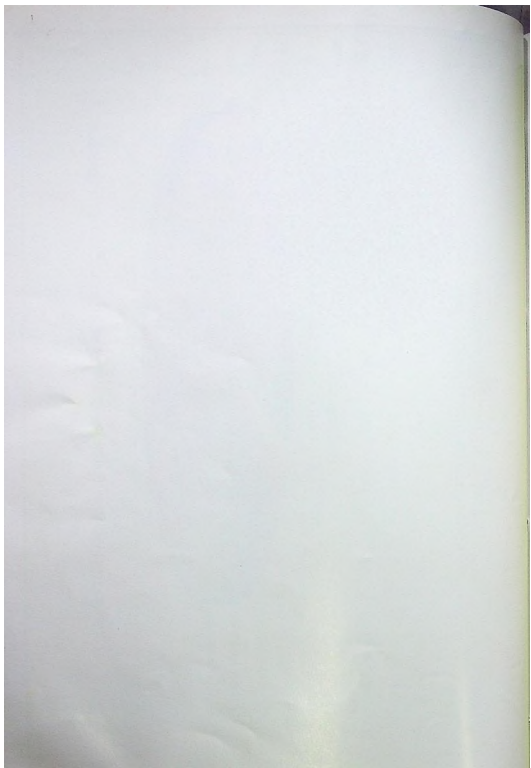


Chart 12  
CONSUMPTION OF NR  
ACCORDING TO END PRODUCTS 2010-11

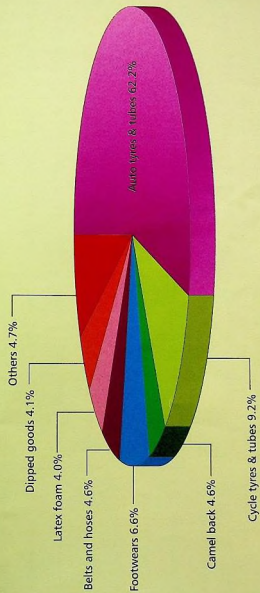




TABLE - 37 (Cont.)

Products	2008-09				2009-10				2010-11 <sup>a</sup>			
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	Total
1. Auto tyres & tubes*	482575	175909	21955	680339	561610	228175	29720	819505	569760	285540	33890	909190
2. Cycle tyres & tubes	96282	20845	23705	140832	89085	24965	25355	139405	87050	25190	27640	139880
3. Camel back	46953	11150	4498	62601	45140	15625	5385	66150	43680	15700	6115	65495
4. Footwears	68325	45950	8325	122600	66355	46160	8860	121375	62480	44910	8855	116345
5. Belts and hoses	48863	11455	6860	67278	46170	13735	7940	67845	43570	16720	7550	67840
6. Latex foam	38445	—	—	38445	39465	—	—	39465	37765	—	—	37765
7. Cables and wires	1550	1984	955	4489	—	—	—	—	—	—	—	—
8. Battery boxes	1665	2819	9885	14369	—	—	—	—	—	—	—	—
9. Dipped goods	38720	—	—	38720	40310	—	—	40310	38925	—	—	38925
10. Others <sup>e</sup>	48342	22938	9747	81027	42430	19050	14990	76470	44485	23770	16140	84395
<b>Total</b>	<b>871720</b>	<b>292950</b>	<b>86030</b>	<b>1250700</b>	<b>930565</b>	<b>347710</b>	<b>92250</b>	<b>1370525</b>	<b>947715</b>	<b>411830</b>	<b>100290</b>	<b>1459835</b>

e. Include battery boxes, cables and wires from 2009-10 onwards.

TABLE - 38

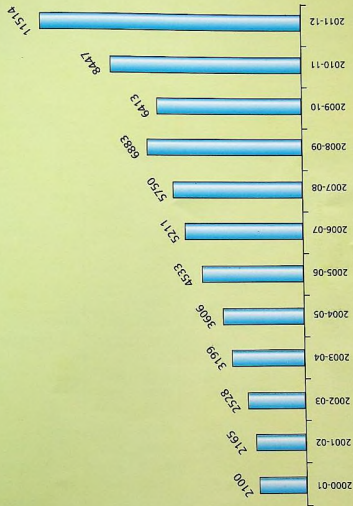
## VALUE OF RUBBER PRODUCTS EXPORTED

(Rs. Crore)

Products	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
1. Automobile tyres and tubes including tyre retreading materials	1475.84	1752.69	2383.15	2832.31	3483.07	3584.93	3624.66	4830.25	6891.30
2. Bellings	223.62	259.95	271.59	247.73	209.96	335.18	243.92	353.23	506.50
3. Cycle tyres and tubes	292.83	217.12	229.26	272.67	202.96	400.48	301.95	421.15	524.80
4. Hoses	76.55	110.00	123.52	148.39	145.00	162.13	136.67	234.16	351.90
5. Hygienic, medical & surgical articles including gloves	220.43	206.10	262.17	261.28	263.79	590.55	360.90	728.91	816.27
6. Rubber footwear with canvas upper	317.06	331.50	242.88	220.34	184.81	200.22	206.03	263.93	384.70
7. Rubber coats & aprons for textile industry	23.81	31.97	23.69	45.81	20.67	17.89	16.56	125.95	157.50
8. Rubber sheetings	132.29	166.11	233.66	318.37	352.38	404.56	444.44	338.60	462.30
9. Others	436.64	530.79	763.23	863.62	887.44	1186.95	1078.22	1151.24	1419.00
<b>Total</b>	<b>3199.07</b>	<b>3606.23</b>	<b>4533.15</b>	<b>5210.52</b>	<b>5750.08</b>	<b>6882.89</b>	<b>6413.35</b>	<b>8447.43</b>	<b>11514.27</b>

Source : CAPEXIL, Kolkata and Council for Leather Exports, Chennai.

**Chart 13**  
**VALUE OF RUBBER PRODUCTS EXPORTED**  
(Rs. Crore)





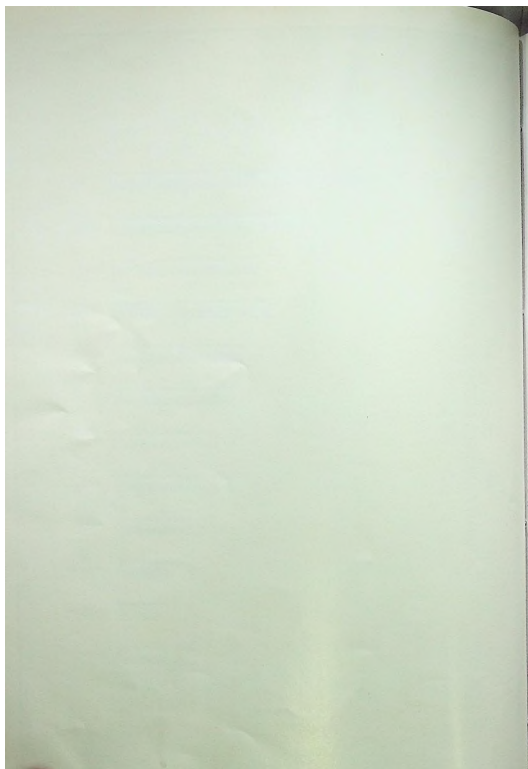


TABLE -39

## QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED

(Value in '000 Rs)

Products		Unit	2005-06		2006-07		2007-08	
			Quantity	Value	Quantity	Value	Quantity	Value
1. TYRES								
Aircraft	Nos.	6874	211197	14005	349986	17655	546252	
Bicycle	"	135753	8761	185014	17358	148237	16278	
Motor car, Truck & Bus	"	1200847	1822611	2375008	4796434	2954782	7044976	
Tractor and other OTR	"	10262	123786	45246	293947	45884	261303	
Motor cycles & Scooters	"	193368	107495	103896	59577	172556	97594	
Solid/Cushion tyres								
interchangeable tyre treads	Tonnes	32	14459	16	7925	30	11841	
Others			704302		1009303		2329090	
Total		2992611		6534530		10307334		
2. TUBES								
Aircraft	Nos.	265	2413	52	188	394	961	
Bicycle	"	87737	1423	88530	4469	110323	2049	
Motor car, Truck and Bus	"	33649	18088	91460	42964	176282	64621	
Tractor and other OTR	"	3156	10937	8808	7406	1641	2925	
Motor cycle	"	9934	2494	69127	5241	131607	5442	
Others	"	83451	10672	9176	10345	58277	8740	
Total		46027		70613		84738		
3. FLAPS		Tonnes	105	33375	190	31635	137	46013
4. HYGIENIC & PHARMACEUTICALS								
Contraceptives	Tonnes	301	123425	271	105546	430	138720	
Others	"	168	89834	236	98991	919	186593	
5. BELTING								
Conveyor	Tonnes	956	409925	5161	1192447	1425	693801	
Others	"	2136	972803	2598	1251972	3820	1527796	
6. LATEX FOAM SPONGE		"	96	17586	52	8998	89	15645
7. EBONITE		"	1680	22012	1442	31395	1506	30590
8. VULCANISED RUBBER								
THREAD & CORD	"	1327	113438	2146	170222	2610	196137	
9. OTHER ARTICLES OF RUBBER			9055572		11551515		13832748	
Grand Total		13876608		21047864		27060115		

TABLE-39(Cont.)

Products	Unit	2008-09		2009-10		2010-11p			
		Quantity	Value	Quantity	Value	Quantity	Value		
1. TYRES									
Aircraft	Nos.	18844	593888	17010	518100	23647	383259		
Bicycle	"	215335	19130	86600	27038	498713	308531		
Motor car, Truck & Bus	"	3884903	8503201	4355877	11449325	7327901	17131964		
Tractor and other OTR	"	35851	639913	111599	263153	77832	373899		
Motor cycles & Scooters	"	43201	38330	354419	158742	1385918	537776		
Solid/Cushion tyres									
interchangeable tyre treads	Tonnes	28	13605	87	9799	38	10826		
Others			2475194		1893939		2775885		
Total		12283262		14320096		21244462			
2. TUBES									
Aircraft	Nos.	582	2866	677	2562	292	839		
Bicycle	"	64998	4525	234508	9715	662382	30311		
Motor car, Truck and Bus	"	168144	70056	268452	136208	339830	193955		
Tractor and other OTR	"	82660	3211	13699	12215	44580	22010		
Motor cycle	"	135946	10570	157233	6558	2723203	75964		
Others	"	10638	8809	27932	11268	48326	13500		
Total		100037		178526		336599			
3. FLAPS		Tonnes		150	38400	227	58500	357	95609
4. HYGIENIC & PHARMACEUTICALS									
Contraceptives	Tonnes	3665	107902	238	95446	221	63350		
Others	"	382	156249	539	241647	612	247283		
5. BELTING									
Conveyor	"	2147	838247	3500	986160	1763	599663		
Others	"	3621	1607312	4335	1672763	6336	2458714		
6. LATEX FOAM SPONGE		"	86	18705	118	22399	114	29505	
7. EBONITE		"	637	35273	1046	25112	605	32775	
8. VULCANISED RUBBER									
THREAD & CORD	"	2472	243997	2835	280273	2479	323011		
9. OTHER ARTICLES OF RUBBER			17647562		18998083		25310678		
Grand Total		33076945		36879005		50741550			

Source: "Monthly Statistics of Foreign Trade of India (Annual number)", Published by DGCI&amp;S, Kolkata.

TABLE - 40

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

State/ Union Territory	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Kerala	8737	9051	9224	8930	8779	8559	8515	8422	8256
Tamil Nadu	195	200	211	203	212	233	245	240	252
Tripura	119	130	149	165	185	197	217	237	323
Karnataka	118	126	119	117	117	121	118	109	120
Punjab*	156	147	137	130	124	119	124	121	125
Delhi	112	117	117	111	112	113	110	108	105
Maharashtra	105	92	89	80	86	66	85	81	77
West Bengal	71	75	75	72	72	66	75	76	82
Uttar Pradesh	65	67	68	63	63	66	71	68	76
Haryana	42	42	46	42	46	53	58	54	48
Gujarat	40	41	41	41	38	34	35	37	39
Assam	24	28	35	33	29	34	31	29	36
Rajasthan	21	23	20	20	20	24	22	24	23
Meghalaya	15	14	11	9	14	14	13	8	5
Andhra Pradesh	6	7	9	6	7	6	6	7	9
Jharkhand**	-	3	5	4	5	5	5	0	2
Uttarakhand	-	3	5	5	5	5	0	0	0
Pondicherry	4	3	3	1	1	1	1	1	1
Madhya Pradesh*	3	2	3	4	6	7	7	7	7
Nagaland	3	3	2	2	1	1	1	1	0
Bihar	3	1	1	1	0	0	0	0	0
Goa, Daman & Diu	2	1	1	0	0	0	0	0	0
Andaman & Nicobar	1	1	1	4	4	4	4	4	5
Odisha	0	1	1	1	1	2	2	2	1
Others*	0	0	0	0	0	0	1	3	1
Grand Total	9842	10175	10373	10044	9927	9749	9741	9643	9593

\*: Including Chandigarh, \*\*: Upto 2003-04 included in Bihar, \*: including Chhattisgarh, \*: including Jammu & Kashmir and Arunachal Pradesh

TABLE 41

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

District	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Thiruvananthapuram	736	864	909	904	885	888	888	907	903
Kollam	1256	1349	1411	1405	1412	1435	1377	1367	1314
Pathanamthitta	1081	1132	1197	1168	1149	1115	1091	1056	1040
Alappuzha	168	210	217	226	211	210	188	193	196
Kottayam	2205	2206	2202	2076	2014	1877	1856	1820	1727
Idukki	394	391	379	354	343	331	327	329	310
Ernakulam	1093	1112	1108	1026	985	951	961	933	885
Thrissur	167	175	175	163	161	154	147	153	152
Palakkad	368	392	410	433	429	419	438	435	435
Malappuram	431	435	442	430	429	416	424	416	446
Kozhikode	190	182	171	160	159	146	154	154	152
Wynad	57	58	56	60	62	66	63	66	68
Kannur	445	464	460	431	437	439	457	466	491
Kasaragod	86	81	87	94	103	112	124	127	137
Total	8737	9051	9224	8930	8779	8559	8515	8422	8256

TABLE - 42

# **AVERAGE DAILY EMPLOYMENT IN RUBBER PLANTATIONS**

Year	Numbers	Year	Numbers
1978	176925	1995	322300
1979	184320	1996	328900
1980	192578	1997	335450
1981	199775	1998	341320
1982	206790	1999	345200
1983	212613	2000	347700
1984	220434	2001	348700
1985	227780	2002	354300
1986	235351	2003	372770
1987	244477	2004	380320
1988	257742	2005	388050
1989	271601	2006	397000
1990	282674	2007	420000
1991	293108	2008	433000
1992	304618	2009	445000
1993	310800	2010p	464000
1994	315900	2011p	478000

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

TABLE - 43

# COLLECTION OF EXCISE DUTY AND MISCELLANEOUS RECEIPTS OF THE RUBBER BOARD

(Million Rs.)

Year	Excise Duty on Rubber Collected	Sale of rubber from experiment stations	Sale of planting materials from nurseries	Others*	Total
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
1998-99	500.47	5.29	6.72	114.50	626.98
1999-00	755.63	12.30	6.70	126.63	901.26
2000-01	821.91	7.38	5.93	133.56	968.78
2001-02	811.37	7.81	5.27	66.20	890.65
2002-03	820.49	13.41	6.56	123.65	964.11
2003-04	850.07	18.54	6.51	83.52	958.64
2004-05	957.52	18.93	7.27	65.82	1049.54
2005-06	962.58	28.18	9.05	130.04	1129.85
2006-07	1012.20	37.14	9.81	129.40	1188.55
2007-08	975.50	38.52	12.75	133.54	1160.31
2008-09	1039.06	41.15	13.28	198.78	1292.27
2009-10	1001.81	19.44	13.36	149.97	1184.58
2010-11	1032.50	46.60	13.75	179.77	1272.62
2011-12*	1010.13	36.80	21.51	182.04	1250.48

\* Figures from 2010-11 include recovery of the cost of plantation inputs distributed through RPS.

TABLE - 44

## SCHEME-WISE EXPENDITURE OF THE RUBBER BOARD

(Rs.Crore)

Scheme	XI Plan						
	Approved Outlay	2007-08	2008-09	2009-10	2010-11	2011-12	Total
Rubber Plantation Development	240.00	39.17	57.74	68.08	64.13	80.33	309.45
Rubber Research	60.00	11.97	18.05	15.49	16.44	23.99	85.94
Processing, Quality Upgradation & Product Development of rubber	44.00	7.87	5.56	3.40	3.89	6.70	27.42
Market Development and Export Promotion of rubber	44.00	6.71	6.12	5.81	6.95	7.98	33.57
Human Resource Development	42.00	8.01	9.73	9.05	8.16	10.66	45.61
Rubber Development in North Eastern region	150.00	20.12	23.92	31.26	41.40	46.67	163.37
Total	580.00	93.85	121.12	133.09	140.97	176.33	665.36



TABLE - 45

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

(In Numbers)

Year	Brown Budded Stumps	Green Budded Stumps	Budwood *
1994	856158	465838	873
1995	549162	527290	7168
1996	645553	405121	23050
1997	900489	402377	15216
1998	736954	248238	1754
1999	557807	187895	311
2000	630566	208283	2391
2001	435122	104944	34521
2002	667524	166208	47262
2003	374535	136598	40989
2004	487938	192825	60784
2005	596263	103460	60862
2006	536768	57371	59460
2007	481932	102319	41081
2008	574764	100110	66831
2009	284802	39840	34861
2010	396277	200245	101206
2011p	591478	430064	80654

\* : In Metres

TABLE - 46

**RUBBER MARKETED BY CO-OPERATIVE SOCIETIES**

Year	No. of Societies	Rubber Marketed (Tonnes)	Year	No. of Societies	Rubber Marketed (Tonnes)
1980-81	53	9336	1996-97	269	62000
1981-82	54	11067	1997-98	288	62900
1982-83	58	11077	1998-99	295	63480
1983-84	59	11984	1999-00	272	80494
1984-85	60	12960	2000-01	281	101923
1985-86	62	21036	2001-02	285	103611
1986-87	116	24651	2002-03	286	120438
1987-88	116	25781	2003-04	293	106890
1988-89	118	31246	2004-05	291	74230
1989-90	118	30413	2005-06	293	88150
1990-91	125	29285	2006-07	279	73030
1991-92	146	48665	2007-08	270	58055
1992-93	146	34260	2008-09	267	38500
1993-94	219	50719	2009-10	263	34345
1994-95	231	55834	2010-11p	264	35470
1995-96	262	60000	2011-12p	265	45500

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

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 Commodities
1995-96	334.6	139.1	160.5	176.5	154.8	176.4	146.1	185.4	160.7
1996-97	362.7	144.5	148.2	182.4	164.4	197.0	160.9	200.9	175.7
1997-98	385.4	144.5	148.2	186.2	166.0	188.5	155.7	181.6	165.3
1998-99	399.4	144.5	148.2	188.6	173.0	202.5	165.2	199.4	177.9
1999-00	410.8	149.0	210.1	205.3	180.3	217.0	169.7	189.0	176.9
2000-01	415.2	151.0	216.8	208.8	170.9	198.0	158.4	178.2	185.7
2001-02	416.8	151.1	216.3	208.9	187.7	206.7	172.5	189.5	178.8
2002-03	428.7	151.1	216.3	208.9	144.4	186.8	140.4	166.4	150.1
2003-04	469.8	156.6	192.3	216.8	178.0	205.0	172.0	201.5	182.9
2004-05	494.9	159.2	206.2	225.4	167.2	195.0	159.9	206.7	177.3
2005-06	529.9	168.7	200.8	236.3	184.6	197.0	169.2	230.3	191.9
2006-07	563.0	175.1	186.2	243.3	187.7	215.4	175.9	242.9	200.7
2007-08	544.9	168.4	188.5	236.1	194.4	223.2	186.8	247.3	207.1
2008-09	570.7	168.4	188.8	240.7	199.4	229.2	189.8	223.0	194.1
2009-10	548.9	168.4	206.4	240.0	179.1	229.6	176.5	226.2	191.4
2010-11p	569.0	168.4	215.2	241.1	191.7	244.1	195.5	256.3	215.3

Source: Directorate of Economics &amp; Statistics, Department of Agriculture &amp; Cooperation and Rubber Board.

Chart 14  
MOVEMENT OF PRODUCTION INDICES  
(BASE 1981-82 = 100)

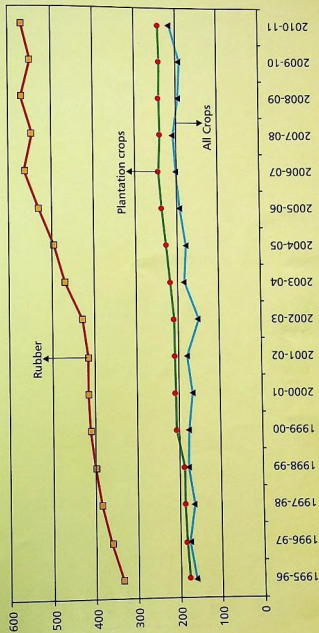




TABLE - 48

## INDEX NUMBERS OF PRODUCTIVITY

(Base: Triennium ending 1981-82 = 100)

Year	Rubber	Tea	Coffee	Plantation Crops	Rice	Wheat	Food Grains	Non-food Grains	All Commodities
1995-96	182.5	122.4	114.4	136.1	144.8	156.5	143.1	135.8	139.9
1996-97	182.9	127.0	101.9	137.5	151.7	168.9	154.5	143.8	149.8
1997-98	198.8	127.0	101.2	139.2	153.1	156.7	148.4	132.3	141.4
1998-99	200.6	125.8	121.1	129.4	154.8	163.3	154.0	141.3	148.4
1999-00	202.3	115.3	129.1	138.4	160.0	175.2	159.8	136.4	149.6
2000-01	202.3	113.3	130.7	137.6	153.2	170.7	152.8	133.3	144.3
2001-02	202.3	112.7	129.5	136.7	167.5	174.1	164.1	139.1	153.3
2002-03	204.4	112.7	129.5	136.7	140.6	164.5	143.2	124.7	135.0
2003-04	213.5	114.5	125.6	140.5	167.5	171.0	165.3	151.2	159.2
2004-05	218.9	116.0	134.7	144.6	159.9	164.0	156.5	147.9	152.5
2005-06	230.6	115.3	124.4	137.9	169.4	165.1	176.7	163.5	180.6
2006-07	241.2	117.1	114.7	139.7	171.7	170.7	160.4	169.9	185.8
2007-08	230.9	112.7	101.5	116.0	177.4	176.7	191.1	170.2	190.4
2008-09	239.7	112.7	100.0	115.8	175.5	183.3	196.1	150.0	178.4
2009-10	227.9	112.7	109.0	113.4	171.3	179.0	184.7	157.8	179.4
2010-11p	231.8	112.7	112.7	113.9	180.5	185.2	197.4	170.7	194.1

Source: Directorate of Economics &amp; Statistics, Department of Agriculture &amp; Cooperation and Rubber Board

TABLE - 49

## GROSS DOMESTIC PRODUCT AND CONSUMER PRICE INDEX

Year	Gross Domestic Product at factor cost (Rs Crore)	Annual growth rate (%)	Year	All India Consumer Price Index* (Base 1986-87=100)
<b>At 1999-2000 prices</b>			<b>1988-89</b>	120
1988-89	969702	10.2	<b>1989-90</b>	127
1989-90	1029178	6.1	<b>1990-91</b>	136
1990-91	1083572	5.3	<b>1991-92</b>	163
<b>1991-92</b>	1099072	1.4	<b>1992-93</b>	183
<b>1992-93</b>	1158025	5.4	<b>1993-94</b>	189
<b>1993-94</b>	1223816	5.7	<b>1994-95</b>	212
<b>1994-95</b>	1302076	6.4	<b>1995-96</b>	237
<b>1995-96</b>	1396974	7.3	<b>1996-97</b>	256
<b>1996-97</b>	1508378	8.0	<b>1997-98</b>	264
<b>1997-98</b>	1573263	4.3	<b>1998-99</b>	293
<b>1998-99</b>	1678410	6.7	<b>1999-00</b>	306
<b>1999-00</b>	1786526	6.4	<b>2000-01</b>	305
<b>2000-01</b>	1864301	4.4	<b>2001-02</b>	309
<b>2001-02</b>	1972606	5.8	<b>2002-03</b>	319
<b>2002-03</b>	2048286	3.8	<b>2003-04</b>	331
<b>2003-04</b>	2222758	8.5	<b>2004-05</b>	340
<b>New Series at 2004-05 prices</b>			<b>2005-06</b>	353
<b>2004-05</b>	2967599	7.5	<b>2006-07</b>	380
<b>2005-06</b>	3249130	9.5	<b>2007-08</b>	409
<b>2006-07</b>	3564364	9.7	<b>2008-09</b>	450
<b>2007-08</b>	3896636	9.3	<b>2009-10</b>	513
<b>2008-09</b>	4158676	6.7	<b>2010-11p</b>	564
<b>2009-10</b>	4507637 <sup>PE</sup>	8.4	<b>2011-12p</b>	611
<b>2010-11</b>	4885954 <sup>QE</sup>	8.4		
<b>2011-12</b>	5222027 <sup>AE</sup>	6.9		

\* :For Agricultural Labourers

Source: Economic Survey and Labour Bureau, Govt. of India

<sup>AE</sup>: GDP figures for 2011-12 are advance estimates; <sup>QE</sup>: Quick estimates; <sup>PE</sup>: Provisional estimates

TABLE - 50

## INDEX NUMBERS OF WHOLESALE PRICES OF SELECTED COMMODITIES

(Base: 2004-05 = 100)

Commodities	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
All Commodities	111.4	116.6	126.0	130.8	143.3	156.1
Food - grains	122.4	130.9	145.3	166.4	174.4	180.7
Fruits & Vegetables	111.8	124.6	134.9	147.8	172.1	183.2
Condiments & Spices	136.7	142.9	151.2	182.7	244.0	237.5
Oil seeds	94.5	113.2	131.2	135.0	141.3	158.8
Minerals	136.6	152.8	186.5	202.9	253.3	320.7
Electricity	105.3	106.2	106.4	107.4	113.2	115.0
Edible Oils	102.5	116.0	121.6	114.4	120.6	135.7
Tea & Coffee processing	103.8	108.7	125.1	144.8	149.8	156.6
Textiles	100.8	101.5	103.2	106.7	119.6	128.5
Leather & Leather Products	112.5	116.0	122.3	128.4	127.1	130.0
Raw Rubber	164.9	163.8	182.7	205.7	338.7	375.0
Rubber & Plastic Products	107.6	112.2	117.3	118.2	126.1	133.6
Tyres & Tubes	112.9	119.9	125.9	130.1	146.5	161.2
Plastic Products	106.2	109.5	113.8	113.4	119.1	122.5
Rubber Products	107.2	113.8	120.7	122.4	129.5	143.6
Chemicals & Chemical Products	108.9	112.8	118.1	117.8	124.0	134.7
Fertilisers & Pesticides	105.0	108.4	107.4	108.5	116.3	129.8
Motor Vehicles	103.3	105.3	110.1	111.6	113.8	117.0

Source: "Index number of wholesale prices in India", Published by the Office of Economic Adviser, Ministry of Commerce &amp; Industry, Govt. of India.



# WORLD RUBBER STATISTICS

TABLE - 51

## AREA UNDER RUBBER IN MAIN PRODUCING COUNTRIES

(In '000 Hectares)

Country	End of	Holdings	Estates	Total
Indonesia	2011	2935	521	3456
Thailand	2011	NA	NA	2765
Malaysia	2011	959	64	1023
China	2011	NA	NA	1070
India	2011	664	71	735
Vietnam	2011	456	378	834
Myanmar	2011	NA	NA	505
Nigeria	2011	121	61	182
Brazil	2011	NA	NA	185
Cote d'Ivoire	2011	140	50	190
Sri Lanka	2011	79	48	127
Liberia	1999	49	60	109
Philippines	2011	NA	NA	145
Cameroon	2011	NA	NA	52
D.R. of Congo	1999	10	25	35

NA : Not available

Source: Rubber Statistical Bulletin, International Rubber Study Group, Singapore

Chart 15  
SHARE OF INDIA IN WORLD PRODUCTION OF NR 2011

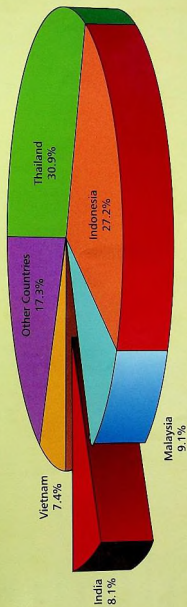




TABLE-52

## PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES

('000 Tonnes)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011p
Thailand	2320	2615	2876	2984	2937	3137	3056	3090	3164	3252	3394
Indonesia	1607	1630	1792	2066	2271	2637	2755	2751	2440	2736	2982
Malaysia	882	890	966	1169	1126	1284	1200	1072	857	939	996
India	632	641	708	743	772	853	811	881	820	851	893
Vietnam	313	331	364	419	482	555	606	660	711	752	812
China	478	527	565	573	510	533	590	560	644	685	707
Sri Lanka	86	91	92	95	104	109	118	129	137	153	158
Brazil	88	89	94	101	107	108	116	123	129	135	139
Philippines	71	76	84	78	80	88	101	103	98	99	106
Liberia	107	109	107	115	111	94	121	85	60	62	65
Cambodia	42	43	32	34	30	32	33	37	34	42	51
Nigeria	45	42	38	45	40	41	42	49	45	54	55
Others*	591	253	282	322	337	356	341	598	551	666	620
World	7252	7337	8020	8744	8907	9827	9890	10128	9690	10406	10978

Italics : Estimated, \*: Countries not reported separately

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE-53

## CONSUMPTION OF NATURAL RUBBER IN MAIN CONSUMING COUNTRIES

(000 Tonnes)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011p
China	1330	1395	1538	2000	2275	2769	2843	2947	3384	3646	3803
U.S.A.	974	1111	1079	1144	1159	1003	1018	1041	687	926	1029
India	631	680	717	745	789	815	851	881	905	944	958
Japan	729	749	784	815	857	874	887	878	636	749	753
Malaysia	401	408	421	403	387	383	450	489	470	458	402
Indonesia	142	145	156	196	221	352	383	412	352	421	441
Thailand	253	278	298	319	335	321	374	398	399	459	480
Rep. of Korea	332	326	333	352	370	364	377	358	330	384	402
Brazil	216	233	256	285	302	294	345	357	279	377	354
Germany	246	247	258	242	259	269	282	247	175	291	276
France	282	226	218	230	230	220	220	200	109	136	163
Spain	176	181	188	192	186	189	195	178	125	174	165
Canada	131	155	146	146	156	145	138	138	103	146	135
Italy	137	134	138	151	154	152	145	134	89	110	115
Taiwan	90	107	115	120	114	100	115	97	90	112	104
U.K.	98	76	91	86	82	68	91	77	44	57	67
Russian Fed.	36	19	32	29	34	41	42	39	25	49	57
Others*	1129	1084	1183	1261	1295	1331	1422	1324	1128	1344	1415
<b>World</b>	<b>7333</b>	<b>7554</b>	<b>7952</b>	<b>8716</b>	<b>9205</b>	<b>9690</b>	<b>10178</b>	<b>10175</b>	<b>9330</b>	<b>10783</b>	<b>10919</b>

Italics : Estimated, \* : Countries not reported separately

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

Chart 16  
SHARE OF INDIA IN WORLD CONSUMPTION OF NR 2011

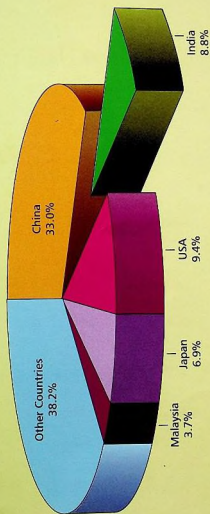




TABLE - 54

## COUNTRY-WISE IMPORT OF NATURAL RUBBER

('000 Tonnes)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011p
China	943	915	1150	1206	1454	1912	1939	1997	2499	2590	2665
U.S.A.	972	1126	1120	1156	1170	1012	1029	1052	705	931	1049
Japan	713	772	792	801	849	886	850	850	597	747	785
Rep.of Korea	330	326	342	352	371	365	378	359	332	388	402
Germany	245	266	283	270	282	296	330	282	239	392	412
Brazil	128	144	162	184	195	179	221	235	152	249	223
France	282	254	236	244	246	236	243	223	137	176	197
Spain	184	186	181	194	183	195	203	185	130	178	171
Canada	132	155	148	152	160	150	144	143	106	150	139
Italy	135	146	149	159	159	161	160	145	95	118	134
Turkey	79	95	109	120	130	133	145	138	106	132	146
Taiwan	90	106	115	120	115	102	116	99	90	115	106
U.K.	98	94	99	100	96	80	103	90	53	71	84
India	35	26	46	63	62	50	113	81	160	187	158
Mexico	67	67	74	76	79	75	72	70	59	75	71
Argentina	23	26	34	36	41	41	39	34	34	38	36
Others*	823	671	723	898	944	977	1017	1006	873	864	910
<b>World</b>	<b>5279</b>	<b>5375</b>	<b>5773</b>	<b>6131</b>	<b>6546</b>	<b>6850</b>	<b>7102</b>	<b>6989</b>	<b>6367</b>	<b>7401</b>	<b>7688</b>

\* : Countries not reported separately

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore



TABLE - 55

# COUNTRY - WISE EXPORT OF NATURAL RUBBER

('000 Tonnes)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011p
Thailand	2042	2354	2574	2637	2632	2772	2704	2675	2726	2866	2930
Indonesia	1497	1502	1661	1875	2025	2290	2416	2297	2061	2369	2566
Malaysia	345	887	947	1106	1143	1285	1213	1155	1088	1245	1235
Vietnam	270	455	432	513	554	704	716	659	731	782	817
Liberia	107	109	107	115	111	94	121	85	60	62	65
India	4	44	63	72	60	71	29	77	16	22	45
Cambodia	38	40	36	32	28	25	25	15	36	43	45
Sri Lanka	32	36	35	40	32	46	50	46	54	50	42
Nigeria	30	24	22	29	25	24	25	26	32	39	42

Italics : Estimated

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE - 56

## PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES

('000 Tonnes)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011p
U.S.A.	2082	2164	2270	2289	2312	2569	2658	2275	1962	2322	2498
China	1052	1133	1272	1478	1632	1845	2215	2325	2856	3100	3490
Japan	1466	1522	1577	1616	1627	1607	1665	1651	1303	1595	1611
Russian Federation	919	919	1070	1116	1146	1219	1210	1173	1125	1379	1447
Rep. of Korea	663	685	710	720	770	848	1010	970	1149	1219	1369
Germany	828	869	888	905	865	848	774	761	716	809	858
France	672	681	718	776	665	664	655	566	465	568	611
Taiwan	480	523	529	561	548	575	628	590	606	639	632
Brazil	342	384	407	429	416	418	425	392	395	416	417
U.K.	333	337	327	351	344	305	318	302	248	238	229
Italy	274	250	244	235	233	235	235	220	200	237	235
Mexico	173	182	180	189	182	186	204	198	164	190	204
Netherlands	188	176	176	180	186	192	194	177	166	150	160
Poland	83	82	85	104	104	120	123	114	112	151	162
India	69	78	86	95	96	101	103	99	104	109	111
Canada	146	136	74	120	118	116	132	135	107	136	149
Belgium	104	104	104	108	106	107	107	94	104	130	126
Others*	629	652	624	706	743	657	701	669	613	684	766
<b>World</b>	<b>10483</b>	<b>10877</b>	<b>11341</b>	<b>11977</b>	<b>12073</b>	<b>12612</b>	<b>13347</b>	<b>12711</b>	<b>12385</b>	<b>14082</b>	<b>15075</b>

Italics : Estimated, \* : Countries not reported separately.

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE -57

# CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES

('000 Tonnes)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011p
China	1575	1841	2193	2467	2588	3038	3537	3430	4230	4442	4664
U.S.A	1840	1885	1926	1907	2002	2001	1890	1685	1448	1732	1867
Japan	1085	1096	1111	1146	1156	1171	1162	1138	832	989	963
Brazil	334	344	352	431	405	425	477	484	449	536	515
Germany	613	612	615	625	635	617	570	559	509	563	619
Russian Federation	575	551	619	597	568	572	597	533	528	697	699
Rep. of Korea	373	365	352	349	344	364	347	329	278	330	357
France	465	469	493	420	355	311	316	316	237	306	321
India	172	192	203	223	233	264	290	294	321	406	423
Spain	262	295	294	303	254	262	258	259	182	219	271
Italy	275	261	251	255	242	252	255	238	170	203	221
Taiwan	232	282	290	310	253	303	310	267	268	336	330
Canada	228	228	225	232	226	216	200	164	158	194	216
Mexico	142	132	140	146	145	154	162	149	131	145	189
U.K.	167	210	204	214	222	201	169	149	132	148	161
Others*	1915	2004	2080	2252	2240	2480	2709	2699	2340	2801	3105
<b>World</b>	<b>10253</b>	<b>10877</b>	<b>11348</b>	<b>11877</b>	<b>11868</b>	<b>12631</b>	<b>13249</b>	<b>12703</b>	<b>12213</b>	<b>14047</b>	<b>14921</b>

Italics : Estimated, \* : Countries not reported separately

Source: Rubber Statistical Bulletin, International Rubber Study Group, Singapore

Chart 17  
WORLD CONSUMPTION OF NR AND SR

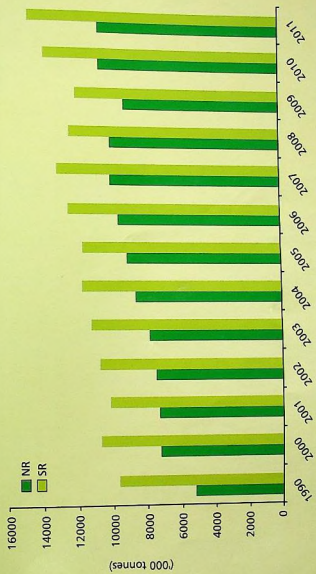




TABLE -58  
**PRODUCTION, CONSUMPTION AND STOCK OF NATURAL AND SYNTHETIC RUBBER**  
('000 Tonnes)

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
1998	6820	6560	+260	2560	9880	9870	+10	2450
1999	6870	6640	+230	2760	10340	10200	+140	2700
2000	6764	7313	-549	2247	10819	10764	+55	2700
2001	7252	7333	-81	1972	10483	10253	+230	2900
2002	7337	7554	-217	1976	10877	10877	0	2731
2003	8020	7952	+68	2020	11341	11348	-7	2748
2004	8744	8716	+28	2016	11977	11877	+100	2690
2005	8907	9205	-298	1718	12073	11868	+205	3070
2006	9827	9690	+137	1855	12612	12631	-19	3051
2007	9890	10178	-288	1567	13347	13249	+98	3229
2008	10128	10175	-47	1520	12711	12703	+8	3237
2009	9690	9330	+360	1880	12385	12213	+172	3409
2010	10406	10783	-377	1503	14082	14047	+35	3444
2011p	10978	10919	+59	1562	15075	14921	+154	3598

Source: Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE- 59

## ESTIMATED PER CAPITA CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER

(Kilograms)

Country	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011p
Japan	14.27	14.48	14.80	15.32	15.77	16.04	16.14	15.75	11.51	13.58	13.46
Germany	10.61	10.42	10.56	10.29	10.88	10.97	10.76	10.16	8.67	10.45	10.93
Canada	11.52	12.24	11.61	11.65	11.88	11.15	10.24	8.88	7.73	9.80	10.04
U.S.A.	9.88	10.46	10.22	10.37	10.50	9.42	9.86	9.04	6.95	8.51	9.21
France	12.61	11.76	13.22	10.84	9.64	8.71	8.79	7.94	5.32	6.72	7.41
China	2.17	2.39	2.79	3.12	3.38	4.02	4.57	4.82	5.71	6.04	6.14
Italy	7.11	6.80	6.82	6.96	6.55	6.86	6.80	6.20	4.31	5.16	5.52
Brazil	3.13	3.32	3.40	3.76	3.81	3.79	4.35	4.37	3.78	4.79	4.48
U.K.	4.59	4.75	5.00	4.97	4.81	4.43	4.26	3.63	2.86	3.28	3.66
Australia	3.75	3.50	3.68	3.68	3.42	3.38	3.29	3.14	2.15	1.76	1.71
India	0.79	0.83	0.86	0.91	0.93	0.99	0.99	1.01	1.05	1.12	1.14
World	2.84	2.95	3.07	3.18	3.20	3.28	3.52	3.36	3.17	3.56	3.67

TABLE-60

INTERNATIONAL PRICE OF DIFFERENT GRADES OF  
NATURAL RUBBER

(F.O.B. price)

(Rs. per 100 Kg. )

Year	RSS 1	RSS 2	RSS 3	RSS 4	RSS 5	SMR 20
1999-2000	2790	2721	2704	2583	2525	2761
2000-01	3089	2976	2958	2831	2770	2798
2001-02	2880	2812	2793	2660	2597	2623
2002-03	4143	3934	3915	3779	3715	4055
2003-04	5408	5340	5278	5244	5193	4992
2004-05	5880	5813	5751	5717	5667	5490
2005-06	7558	7490	7432	7399	7350	6868
2006-07	9920	9846	9779	9742	9687	9041
2007-08	9812	9740	9675	9639	9585	9308
2008-09	10544	10441	10379	10328	10253	9972
2009-10	-	11121	11113	11005	10855	10582
2010-11	19924	19630	19555	19506	19433	17600
2011-12	21095	21001	20915	20868	20798	19502
1999	2744	2661	2644	2523	2466	2599
2000	3123	3025	3007	2882	2822	2897
2001	2842	2750	2732	2600	2537	2574
2002	3767	3716	3696	3561	3497	3672
2003	5231	5163	5101	5067	5017	4688
2004	5963	5895	5833	5799	5749	5557
2005	6699	6632	6573	6540	6491	6148
2006	9647	9575	9510	9474	9420	8862
2007	9587	9515	9449	9413	9359	8939
2008	11405	11327	11255	11216	11158	10862
2009	-	9331	9317	9215	9072	8823
2010	-	16751	16694	16629	16536	15222
2011	22695	22604	22520	22474	22405	20815

Note: (1) Prices of RSS grades upto 2002-03 refer to Kuala Lumpur market, to SICOM market from February 2009 to 3-5-2010 and then onwards to Bangkok market

(2) Price of SMR 20 refers to Kuala Lumpur market



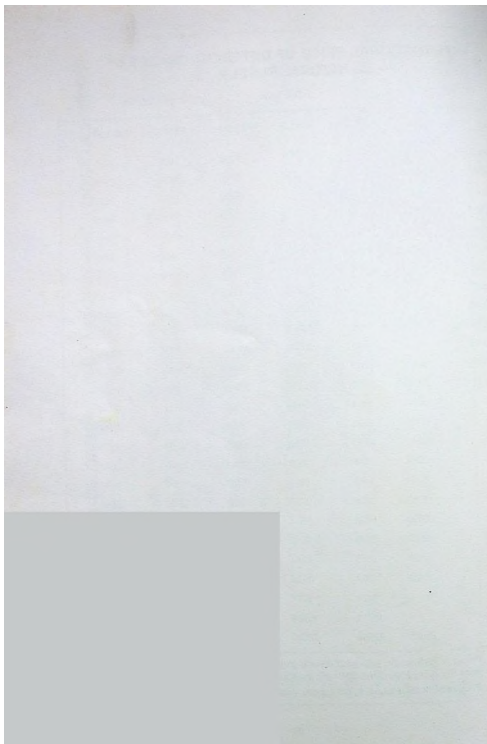
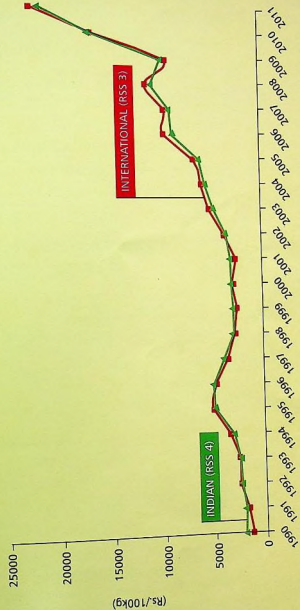
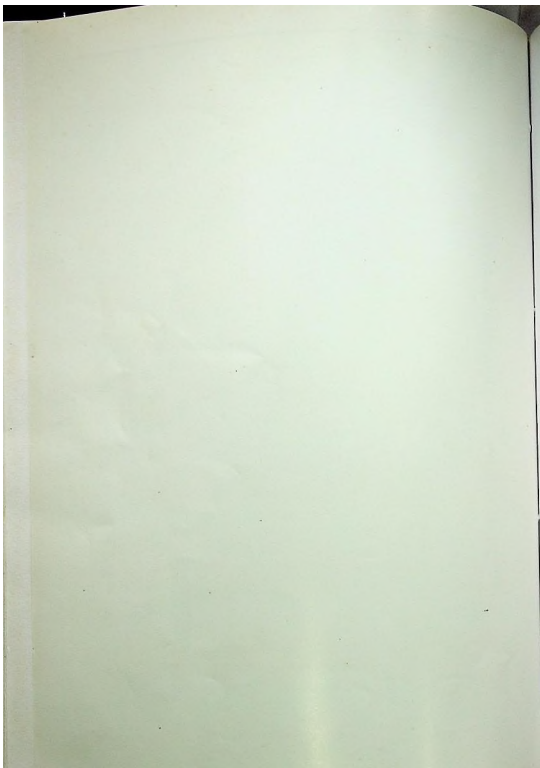


Chart 18  
PRICE OF NR IN INDIAN & INTERNATIONAL MARKETS







# भारतीय रबड़ सांख्यिकी

भाग 36, 2013

## Indian Rubber Statistics Volume 36, 2013

सांख्यिकी एवं योजना विभाग  
द्वारा संकलित

Compiled by:  
The Statistics & Planning Department

### रबड़ बोर्ड

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)

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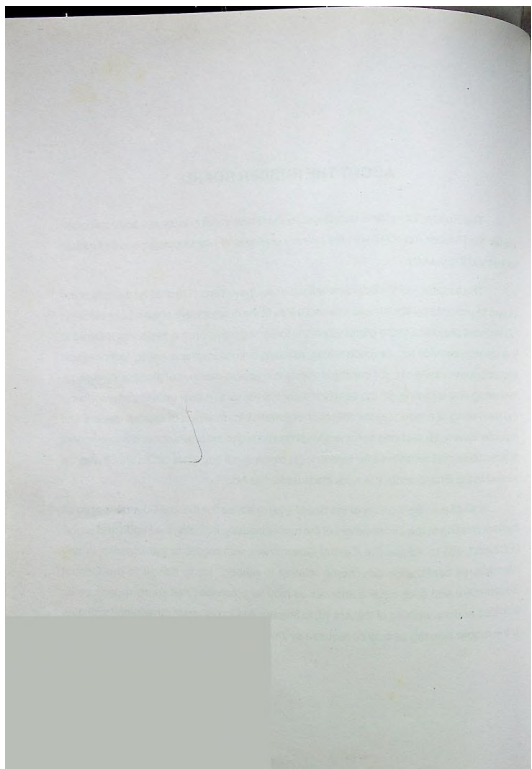


## ABOUT THE RUBBER BOARD

The Rubber Board was constituted by the Government of India as a body corporate under the Rubber Act 1947 with the primary objective of overall development of rubber industry in the country.

The functions of the Board as defined under the Act are: (1) It shall be the duty of the Board 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 the provisions and improvement of amenities and incentives for workers; (g) carrying out any other duties which may be vested in the Board under the 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; (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.





## FOREWORD

India, the fourth largest producer and the second largest consumer of natural rubber, currently accounts for 8.1 per cent of global supply and 9.0 per cent of global demand for the commodity. In sharp contrast to other major rubber producing countries, in India the entire development activities for the rubber sector are looked after by a single agency, the Rubber Board, constituted under the Rubber Act, 1947. One of the functions of the Rubber Board, as laid down under the Act, is collection and dissemination of rubber statistics. Accordingly, every month the Board publishes updated statistics providing insights into key aspects of the industry through *Rubber Statistical News* and more comprehensive data are published on an annual basis through *Indian Rubber Statistics*. The Board also brings out a *Pocket Book on Rubber Statistics*, which is an abridged version of the *Indian Rubber Statistics*.

On this occasion of the release of the 36<sup>th</sup> volume of the *Indian Rubber Statistics*, I gratefully acknowledge the support and encouragement received from various stakeholders of the industry and from rubber-related organizations, both in India and abroad, for the timely availability of the information needed for its preparation. In particular, I would like to place on record the services rendered by the International Rubber Study Group (IRSG), Association of Natural Rubber Producing Countries (ANRPC), Directorate-General of Commercial Intelligence and Statistics (DGC&S), Central Statistical Office (CSO), Chemicals and Allied Products Exports Promotion Council (CAPEXIL), Automotive Tyre Manufacturers' Association (ATMA), and the All India Rubber Industries Association (AIRIA). Esteemed users are encouraged to offer valuable feedback and suggestions for making the publication more useful.

SHEELA THOMAS  
CHAIRMAN





## IN RETROSPECT

### Production of NR

India continued to occupy the fourth largest producer of natural rubber (NR) by accounting for 8.1% of the global supply during the year ended December 2012. The country produced 913,700 tonne of NR during the year ended March 2013, marginally up 1.1% from the quantity of 903,700 tonne produced in the previous year at 4.8% rate of growth. The increase in production during 2012-13, despite a fall in the average yield, was contributed by expansion of yielding area to 504,000 ha during the year from 490,970 ha in the previous year. The average yield, measured in terms of production per hectare of yielding area, declined to 1,813 kg during the year from 1,841 kg in the previous year due to adverse climate coupled with farmers' short-run response to fall in rubber prices.

Small holdings sector continued to dominate the production by accounting for 90.5 % of the area and 93.5% of the supply during 2012-13. As regards geographical composition, the State of Kerala accounted for 87.6% of the country's production during year under review. The relative share of north-eastern states in the total production has marginally risen to 6.1% in 2012-13 from 5.5% a year ago.

The production is anticipated to fall 4.8% to 870,000 tonne during 2013-14 largely on account of the adverse weather conditions that prevailed in the State of Kerala during April to July 2013 coupled with decline in rubber prices.

### Consumption of NR

In terms of consumption of NR during the year ended December 2012, India stood the second among all NR consuming countries by accounting for 9.0% of the global demand during the year. However, sluggish economic conditions have slowed down the demand for NR in India. The consumption grew at slow rate of 0.9% to 972,705 tonne during the year ended March 2013 as against the previous year's 1.8% rise to 964,415 tonne. During the year under review (April 2012 to March 2013), the consumption grew at a rate of 1.2% in the general rubber goods sector as compared to a 0.7% growth registered in the auto-tyre sector. Auto-tyre sector accounted for 65.3% of the total quantity of NR consumed

in the country during the year under review. The table below shows the separate figures of consumption of NR and SR (synthetic rubber) both in the auto-tyre sector and the general rubber goods sector.

**Consumption of NR and SR across Sectors**

	<b>2011-12 (Tonne)</b>	<b>2012-13 (Tonne)</b>	<b>Year-on-year change (%)</b>
<b>Natural Rubber -Total</b>	<b>964,415</b>	<b>972,705</b>	<b>0.9</b>
Auto-tyre sector	631,410	635,539	0.7
General rubber goods sector	333,005	337,166	1.2
<b>Synthetic Rubber - Total</b>	<b>423,350</b>	<b>444,160</b>	<b>4.9</b>
Auto-tyre sector	307,365	323,412	5.2
General rubber goods sector	115,985	120,748	4.1

Looking ahead, the consumption in the country is anticipated to fall by 2.8% to 945,000 tonne during 2013-14.

#### **Trade in NR**

The import policy for NR and the tariff rates remained unchanged during the year under review. The country imported 217,364 tonne of NR during 2012-13 as per the NOC for customs clearance issued by the Rubber Board which is the designated agency for enforcing quality of NR. This is marginally up from the quantity of 214,433 tonne the country imported in the previous year. As is evident from the following table, 47.3% of the total imports had landed through open-channel on payment of prevailing customs duty. This is largely attributed to favourable relative prices as the domestic market stayed above the international market from the end of June 2012 through the end of November 2012. Moreover, the high interest rates prevailed in India added attraction to NR available from overseas markets on credit.

### Quantity of NR Imported through different Channels (Tonne)

Channels of Import	2011-12	2012-13
Duty Exemption Entitlement Certificate (DEEC)	126,094	101,725
Open Channel	66,148	102,874
Duty Entitlement Passbook (DEPB)	16,432	7,677
Duty-free Import Authorization Scheme (DFIAS)	2,115	3,430
Others	3,644	1,658
<b>Total</b>	<b>214,433</b>	<b>217,364</b>

Among the various source countries, Indonesia alone accounted for 45.6% of the total volume imported in India during the year, followed by Vietnam (23.6%) and Thailand (18.3%). Of the various forms of NR imported during the year, 75.2% was Technically Specified Rubber.

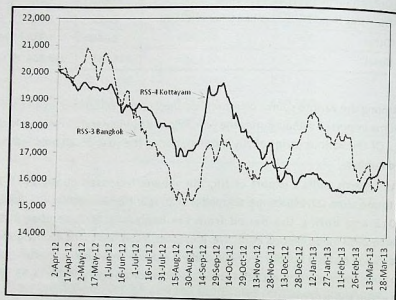
As regards India's export of NR, the volume increased during 2012-13 to 30,594 tonne from 27,145 tonne shipped a year ago. Higher international prices in May 2012 and during the period from the beginning of December 2012 to mid-March 2013 made exports attractive. Moreover, incentives to the quality-endorsed branded Indian Natural Rubber provided under a Market-Linked Focus Product Scheme made exports more attractive. Of the total volume exported during 2012-13, 58.8% was shipped under the scheme.

#### Trends in NR Prices

NR prices in India have generally moved along a falling trajectory during the year under review with a few exceptions. The prices of the benchmark grade RSS-4, at Kottayam, fluctuated between Rs.201.00/kg (recorded on April 2, 2012) and Rs.156.50/kg (Feb.11, 2013) and averaged at Rs.176.82/kg during the year. The Indian market (Kottayam) more or less tracked the trends in the international market (Bangkok). At the Bangkok market, the benchmark sheet grade, RSS-3, averaged at Rs.175.76/kg during the year ended March 2013. However, it is noteworthy that the domestic market (RSS-4 at Kottayam) has been less volatile than the international market (RSS-3 at Bangkok), which widely fluctuated between Rs.209.00/kg (recorded on May 4, 2012) and Rs.151.37/kg (August 24, 2012).

The following graph shows the trends in daily prices of RSS-4 at Kottayam and RSS-3 at Bangkok with reference to the period from April 2012 to March 2013.

**Trends in Daily Prices of RSS at Kottayam and Bangkok (Rs/100 kg)**  
(Period: April 1, 2012 to March 31, 2013)



The graph shows periods of considerable gap between the domestic and international markets although directionally both have exhibited almost similar trends throughout the year. A host of factors such as global economic slowdown, bearish demand outlook and retreat in crude oil prices have depressed international prices and the domestic prices have followed suit with very few exceptions.

#### **Developments in SR Sector**

Production of synthetic rubber (SR) in India fell by 1.7% to 108,692 tonne during 2012-13 from the quantity of 110,599 tonne produced in the year before. Polybutadiene (BR) constituted 70.9% of the total quantity produced during the year under review.

Consumption of SR, however, rose 4.9% to 444,160 tonne during 2012-13, driven by both auto-tyre and general rubber goods sectors. The consumption grew during the year by 5.2% in auto-tyre sector and 4.1% in non-tyre sector. Auto-tyre sector continued to dominate the country's consumption of SR by accounting for 72.8% of the total quantity consumed during the year under reference. Among the various grades of SR consumed in India, styrene butadiene (SBR) accounted for 44.2% followed by BR (32.8%). In the total volume of NR and SR consumed in India, the relative share of NR declined by a 0.8 percentage point to 68.7% during 2012-13. The continued decline in NR's relative share is largely ascribed to an increasing dominance of passenger car tyres in the country's total production of auto-tyres.

#### Developments in the Global Scenario

Global supply of NR rose 2.5% to 11.327 million tonne during the 12 months ended December 2012. The supply has slowed down during the year from the 6.4% rate attained during the same period a year ago. According to the projections available from International Rubber Study Group (IRSG) in September 2013, the supply is expected to touch 11.7 million tonne during the year ending December 2013, up 3.3% on year. Trends in supply from major producing countries are shown in the following table.

**Production of NR in Major Producing Countries ('000 tonne)**

Country	2011 <sup>1</sup>	2012 <sup>1</sup>	% Change
Thailand	3,394	3,512	3.5
Indonesia	2,982	3,015	1.1
Malaysia	996	923	-7.3
India	893	919	2.9
Vietnam	812	864	6.4
China	727	795	9.4
<b>World<sup>2</sup></b>	<b>11,055</b>	<b>11,327</b>	<b>2.5</b>

<sup>1</sup>The period referred is the 12 months ended December of the year.

<sup>2</sup>Includes all other countries which are not listed above.

Source: *Rubber Statistical Bulletin*, International Rubber Study Group, Singapore.

Global demand for NR slowed down during the year ended December 2012 on economic woes and resultant sluggishness in auto-tyre and other end-use sectors. The global consumption during the year ended December 2012 was 11.005 million tonne,



ly a 0.4% rise from the quantity of 10.963 million tonne consumed e period a year ago. The table below summarises the trends in NR in major consuming countries.

ption of NR in Major Consuming Countries ('000 tonne)

Country	2011 <sup>1</sup>	2012 <sup>1</sup>	% Change
a	3,622	3,853	6.4
	957	988	3.2
	1,029	950	-7.7
n	772	733	-5.1
and	480	490	2.1
nesia	441	488	10.7
ysia	402	441	9.7
of Korea	402	396	-1.5
d <sup>2</sup>	10,963	11,005	0.4

od referred is the 12 months ended December of the year.

other countries which are not listed above.

ubber Statistical Bulletin, International Rubber Study Group, Singapore.

s available from the IRSG indicate that the global consumption of NR million tonne during the year ending December 2013, representing a

SR, the global supply marginally increased by 0.5% to 15.185 million and rose 1.0% to 14.969 million tonne during the 12 months ended NR accounted for 42.4% of the total global consumption of NR and SR ended December 2012.

R. B. Nair

Remesh B Nair

Joint Director

Statistics & Planning Department

## स्वाभाविक रबड़ निष्पादन - 2012-13

क्षेत्र विस्तार	758,000
उत्पादन	913,700
उपभोग	972,705
आयात	217,364
निर्यात	30,594
आरएसएस 4 ग्रेड का औसतन बाजार भाव	₹ 176.8
वर्षा में स्टोक	253,000
छोटी जोतों की संख्या	1.25 मि
बागानों की संख्या	537
औसतन उपज प्रति हेक्टेयर	1,813 मि
स्वाभाविक रबड़ पर सीमा शुल्क	
दोस रूप में	20% या
	जो भी कम
लैटेक्स	70% या
	जो भी कम
आयातित स्वाभाविक रबड़ का मूल्य	₹ 3,887
निर्यातित स्वाभाविक रबड़ का मूल्य	₹ 468.5
आयातित रबड़ उत्पादों का मूल्य	₹ 6,206
निर्यातित रबड़ उत्पादों का मूल्य	₹ 15,53
कृषकों को स्वाभाविक रबड़ से आय	₹ 16,15
स्वाभाविक रबड़ पर उपकर	₹ 128.2
अनुज्ञापत्रित व्यापारियों की संख्या	9,533
अनुज्ञापत्रित विनिर्माताओं की संख्या	4,334
दायर और दायर इतर उपभोग का अनुपात	65:35
स्वाभाविक और कृत्रिम रबड़ उपभोग अनुपात	69:31
इलास्टमर का प्रतिव्यक्ति उपभोग	1.16 कि
दायर उद्योग की कुल विक्री	₹ 46,000
दायर उत्पादन	122.78 मि
दायर निर्यात का मूल्य	₹ 4,775
विश्व उत्पादन	11,327 मि
विश्व उपभोग	11,005 मि
विश्व स्वाभाविक एवं कृत्रिम रबड़ उपभोग अनुपात	42:58
आरएसएस 3 श्रेणी का अंतराष्ट्रीय भाव	₹ 175.76

## PERFORMANCE OF NATURAL RUBBER

Area	756,000 Hectares
Production	913,700 Tonnes
Consumption	972,705 Tonnes
Import	217,364 Tonnes
Export	30,594 Tonnes
Average Market Price for RSS 4 grade	Rs 176.82/kg
Stock at the end of the year	253,000 Tonnes
Number of small holdings	1.25 Million
Number of estates	537
Average yield per hectare	1,813kg
Customs duty on natural rubber	
Solid form	20% or Rs 20 / kg v
Latex	70% or Rs 49 / kg v
Value of Natural rubber imported	Rs 3,887.9 Crore
Value of Natural rubber exported	Rs 468.5 Crore
Value of rubber products imported	Rs 6,206.3 Crore (2
Value of rubber products exported	Rs 15,532.2 Crore
Income from NR to the growers	Rs 16,150 Crore
Cess on Natural Rubber	Rs 128.28 Crore
Number of licensed dealers	9,533
Number of licensed manufacturers	4,334
Tyre and Non-tyre NR consumption ratio	65:35
NR and SR consumption ratio	69:31
Per capita consumption of elastomer	1.16 kg
Tyre industry turnover	Rs 46,000 Crore
Tyre production	122.78 Million Num
Value of tyre exports	Rs 4,775 Crore
World production	11.327 Million Tonn
World consumption	11.005 Million Tonn
World NR & SR consumption ratio	42: 58
International price of RSS 3 grade	Rs 175.76/kg



## CONNOTATIONS

Holding	Unless the contrary is stated, the word means a rubber area contiguous or non-contiguous aggregating 10 ha or less under a single ownership.
Estate	Land contiguous or non-contiguous aggregating more than 10 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.  (According to "The Rubber (Amendment) Act 2009" dated 22 <sup>nd</sup> January 2010, the rubber growers possessing an area of 10 hectare and above are classified as large rubber growers. The ceiling until then was 50 acre or 20 hectare).
Newplanted area	Land planted with rubber for the first time.
Replanted area	Land planted with rubber by removing the rubber trees planted earlier.
Tapped area	Area, which is being tapped.
Yield per hectare	Average yield per ha of tapped 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 and all consumers (manufacturers of rubber goods) of natural rubber 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 drc.
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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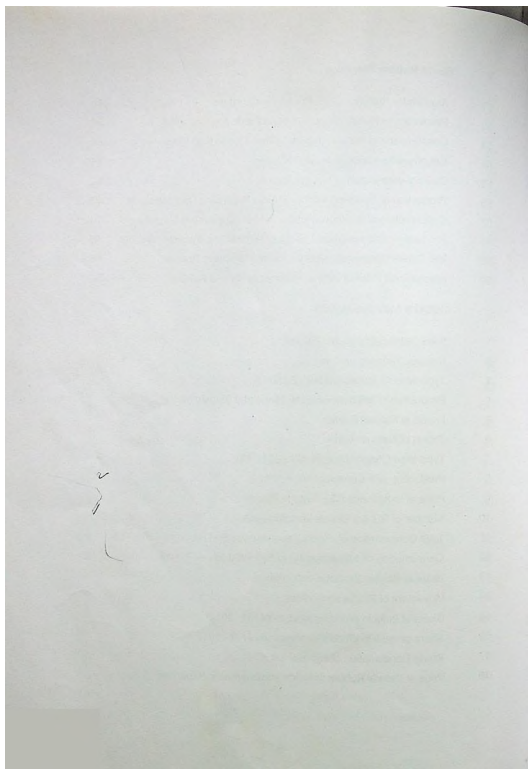


TABLE - 1

## AREA NEWPLANTED AND REPLANTED WITH RUBBER

(Hectares)

Year	Newplanted	Replanted	Total	Year	Newplanted	Replanted	Total
1995-96	7800	7500	15300	2004-05	12500	7130	19630
1996-97	10400	7000	17400	2005-06	16750	7520	24270
1997-98	13300	7500	20800	2006-07	21500	8380	29880
1998-99	8800	6500	15300	2007-08	22750	8500	31250
1999-00	6100	5200	11300	2008-09	30200	10000	40200
2000-01	6780	6640	13420	2009-10	25500	11000	36500
2001-02	6380	5930	12310	2010-11	25000	11000	36000
2002-03	5380	7890	13280	2011-12	23000	10000	33000
2003-04	6680	7350	14030	2012-13p	23500	11000	34500

TABLE - 2

**STATE-WISE AREA UNDER RUBBER AT THE END OF EACH YEAR**  
(Hectares)

State	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12 <sup>a</sup>
Kerala	479602	485610	493800	502740	512045	517475	525408	534228	539565
Tamil Nadu	18633	18642	18815	19233	19410	19355	19545	19767	19790
<b>Traditional Total</b>	<b>498235</b>	<b>504252</b>	<b>512615</b>	<b>521973</b>	<b>531455</b>	<b>536830</b>	<b>544953</b>	<b>553995</b>	<b>559355</b>
Tripura	30770	32065	34189	37846	41165	50070	55415	59285	64480
Assam	13841	14057	14848	15890	18225	23705	28102	32659	38090
Meghalaya	4758	4834	5060	5331	6830	7740	9196	10584	11875
Nagaland	2091	2184	2274	2486	2687	3515	4141	5287	6820
Manipur	1773	1786	1829	1859	1914	2380	2723	2977	3250
Mizoram	709	498	507	525	551	735	908	942	1415
Arunachal Pradesh	379	416	425	446	458	720	1200	1951	2540
<b>North East Total</b>	<b>54321</b>	<b>55840</b>	<b>59132</b>	<b>64383</b>	<b>71840</b>	<b>88865</b>	<b>101665</b>	<b>113685</b>	<b>128470</b>
Karnataka	20460	21189	23153	26035	28830	32415	34777	38110	41588
A&N Islands	962	843	762	729	729	880	878	879	902
Goa	755	761	704	772	986	1010	1017	1081	1125
Maharashtra	182	152	149	171	373	650	858	1173	1513
Odisha	480	456	485	500	528	570	657	744	752
West Bengal	461	473	523	526	548	580	587	625	670
Andhra Pradesh	124	124	107	111	111	180	1103	1268	405
<b>Others Total</b>	<b>23424</b>	<b>23998</b>	<b>25863</b>	<b>28844</b>	<b>32105</b>	<b>36285</b>	<b>39877</b>	<b>43880</b>	<b>46955</b>
<b>Non Traditional Total</b>	<b>77745</b>	<b>79838</b>	<b>84995</b>	<b>93227</b>	<b>103945</b>	<b>125150</b>	<b>141562</b>	<b>157565</b>	<b>175425</b>
<b>Grand Total</b>	<b>575980</b>	<b>584090</b>	<b>597610</b>	<b>615200</b>	<b>635400</b>	<b>661980</b>	<b>686515</b>	<b>711560</b>	<b>734780</b>
Annual growth rate	1.11	1.41	2.31	2.94	3.28	4.18	3.71	3.65	3.26



TABLE - 3

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

District/ State/ Union Territory	2006-07			2007-08			2008-09		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	28537	723	29260	28914	726	29640	29309	700	30009
2. Kollam	28324	7246	35570	28878	7082	35760	28860	6705	35565
3. Pathanamthitta	42160	7491	49651	42318	7542	49860	42473	7341	49814
4. Alappuzha	4080	0	4080	4210	0	4210	4254	0	4254
5. Kottayam	107394	4036	111850	108040	3995	112035	108306	4270	112576
6. Idukki	34900	4110	39010	35227	4108	39335	35514	3867	39381
7. Ernakulam	54794	2796	57590	55127	2803	57930	55419	2890	58309
8. Thrissur	10282	4228	14510	10867	4123	14790	10927	3767	14694
9. Palakkad	32286	878	33164	33415	870	34285	34146	694	34840
10. Malappuram	31783	2372	34155	33326	2574	35900	34361	2570	36931
11. Kozhikode	15702	3238	18940	16302	3298	19600	16752	3187	19939
12. Wynad	8340	0	8340	8890	0	8890	9315	0	9315
13. Kannur	38768	1107	39875	40516	1064	41580	41648	722	42370
14. Kasargod	26285	460	26745	27770	460	28230	28856	522	29378
<b>KERALA</b>	<b>464035</b>	<b>38705</b>	<b>502740</b>	<b>473400</b>	<b>38645</b>	<b>512045</b>	<b>480240</b>	<b>37235</b>	<b>517475</b>
TAMIL NADU	12643	6590	19233	13080	6330	19410	13344	6011	19355
TRIPURA	28166	9680	37846	31200	9965	41165	38595	11475	50070
ASSAM	14160	1730	15890	16500	1725	18225	21942	1763	23705
MEGHALAYA	4721	610	5331	5664	1166	6830	6574	1166	7740
NAGALAND	2329	157	2486	2540	157	2697	3318	197	3515
MANIPUR	1382	477	1859	1437	477	1914	1903	477	2380
MIZORAM	445	80	525	468	83	551	652	83	735
ARUNACHAL PRADESH	409	37	446	421	37	458	683	37	720
KARNATAKA	19955	6080	26035	22780	6050	28830	26065	6350	32415
A & N ISLANDS	44	685	729	44	685	729	44	836	880
GOA	384	388	772	320	666	986	344	666	1010
MAHARASHTRA	113	58	171	315	58	373	592	58	650
ODISHA	412	88	500	440	88	528	467	103	570
WEST BENGAL	406	120	526	435	113	548	435	145	580
ANDHRA PRADESH	111	0	111	111	0	111	180	0	180
<b>Grand Total</b>	<b>549715</b>	<b>65485</b>	<b>615200</b>	<b>569155</b>	<b>66245</b>	<b>635400</b>	<b>595378</b>	<b>66602</b>	<b>661980</b>
Grand share	89.36	10.64	100.00	89.57	10.43	100.00	89.94	10.06	100.00



TABLE - 3(Cont.)

District/ State/ Union Territory	2009-10			2010-11			2011-12p		
	Holdings	Estates	Total	Holdings	Estates	Total	Holdings	Estates	Total
1. Thiruvananthapuram	29749	700	30449	30118	852	30970	30317	903	31220
2. Kollam	29206	6905	36111	29453	7077	36530	29633	7207	36840
3. Pathanamthitta	42623	7334	49957	42800	7460	50260	43018	7522	50540
4. Alappuzha	4329	0	4329	4380	0	4380	4420	0	4420
5. Kottayam	108648	4270	112918	108892	4836	113728	109110	4720	113830
6. Idukki	35762	3917	39679	35930	4070	40000	36069	3961	40030
7. Ernakulam	55838	2890	58729	56076	2954	59030	56350	2950	59300
8. Thrissur	11250	3767	15017	11489	3921	15410	11905	3555	15460
9. Palakkad	34865	694	35559	35386	1044	36430	35965	1045	37010
10. Malappuram	35616	2520	38136	36633	2887	39520	37509	2721	40230
11. Kozhikode	17571	2787	20358	18064	3316	21380	18249	3176	21425
12. Wynad	9723	0	9723	10070	0	10070	10450	0	10450
13. Kannur	43097	722	43819	44008	774	44780	45409	751	46160
14. Kasargod	30102	522	30624	31083	657	31740	31996	654	32600
<b>KERALA</b>	<b>488380</b>	<b>37028</b>	<b>525408</b>	<b>494380</b>	<b>39848</b>	<b>534228</b>	<b>500400</b>	<b>39165</b>	<b>539565</b>
TAMIL NADU	13460	6085	19545	13540	6127	19767	13811	5979	19790
TRIPURA	43992	11423	55415	47796	11489	59285	52856	11624	64480
ASSAM	26355	1747	28102	30440	2219	32659	35675	2415	38090
MEGHALAYA	7679	1517	9196	9060	1524	10584	9859	2016	11875
NAGALAND	3958	183	4141	5051	236	5287	6560	280	6820
MANIPUR	2246	477	2723	2500	477	2977	2773	477	3250
MIZORAM	719	189	908	759	183	942	1119	236	1355
ARUNACHAL PRADESH	1163	37	1200	1314	37	1351	2503	37	2540
KARNATAKA	28200	6577	34777	31374	6736	38110	34965	6623	41588
A & N ISLANDS	44	834	878	44	835	879	46	856	902
GOA	350	687	1037	395	686	1081	439	686	1125
MAHARASHTRA	822	36	858	937	236	1173	1039	474	1513
ODISHA	558	99	657	620	124	744	621	131	752
WEST BENGAL	436	151	587	423	203	625	464	206	670
ANDHRA PRADESH	1103	0	1103	1268	0	1268	405	0	405
<b>Grand Total</b>	<b>618465</b>	<b>67050</b>	<b>685515</b>	<b>640000</b>	<b>70960</b>	<b>711560</b>	<b>663535</b>	<b>71245</b>	<b>734780</b>
<b>Percentage share</b>	<b>90.23</b>	<b>9.77</b>	<b>100.00</b>	<b>90.03</b>	<b>9.97</b>	<b>100.00</b>	<b>90.30</b>	<b>9.70</b>	<b>100.00</b>

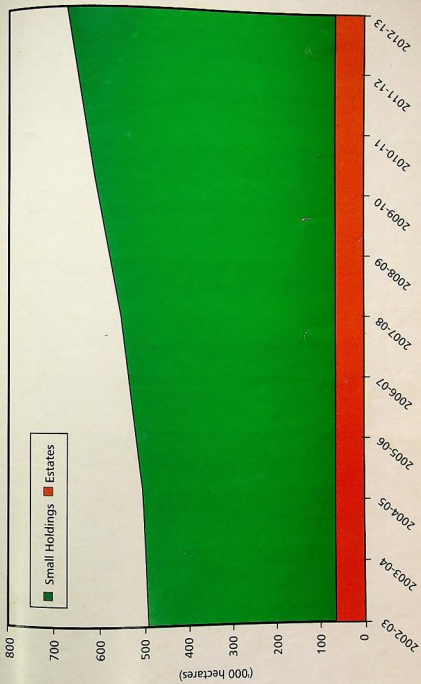


TABLE - 4 (Cont.)

Year	ESTATES														Grand Total (Holdings & Estates)	
	Above 20 ha & upto 40 ha**		Above 40 ha & upto 200 ha		Above 200 ha & upto 400 ha		Above 400 ha & upto 600 ha		Above 600 ha		Total					
	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area	Units	Area		
1993-94	129	3628	132	11406	22	6280	21	10679	38	46334	342	78327	864042	508420		
1994-95	130	3659	132	11377	22	6286	21	10638	38	46088	343	78028	881743	515547		
1995-96	114	3286	134	12291	25	7589	19	9835	34	41575	326	74576	911615	524075		
1996-97	112	3214	134	12262	25	7610	20	10303	32	40420	323	73809	931960	533246		
1997-98	111	3165	136	11732	23	6821	22	11396	30	36540	322	69654	958046	544534		
1998-99	111	3171	136	11743	23	7059	21	10775	30	36592	321	69340	971299	553041		
1999-00	111	3188	137	11680	23	7159	20	10301	30	35979	321	68307	986810	558584		
2000-01	108	3118	135	11591	24	7487	21	10720	28	34396	316	67312	991876	562670		
2001-02	98	2917	136	11547	24	7548	21	10721	28	34861	307	67584	1004489	566555		
2002-03	90	2649	136	11494	23	7171	22	11119	28	34340	299	66773	1007528	509667		
2003-04	76	2218	137	11744	18	5541	20	10047	30	36778	281	66328	1016825	575980		
2004-05	69	2014	136	11616	18	5543	21	10526	29	36234	273	65933	1029275	584090		
2005-06	68	2009	132	11167	19	6011	20	10436	28	35929	267	65552	1049655	597610		
2006-07	66	1973	126	10950	20	6023	20	10456	28	36083	260	65485	1073120	615200		
2007-08	68	2011	121	10556	22	6470	20	10446	28	36762	259	66245	1097569	635400		
2008-09	88	2579	112	9444	22	6881	16	8271	30	39627	268	66602	1132698	661980		
2009-10	92	2677	112	9430	21	6440	17	8635	30	39868	272	67050	1163840	686515		
2010-11	371	6401	112	9546	23	7316	15	7947	29	39750	550	70960	1190765	711560		
2011-12*	357	6333	112	9731	25	7815	16	8338	28	39228	538	71245	1218440	734780		

\*: Above 10 ha &amp; upto 40 ha from 2010-11 onwards (Refer page xiii)

Chart 1  
AREA UNDER HOLDINGS AND ESTATES



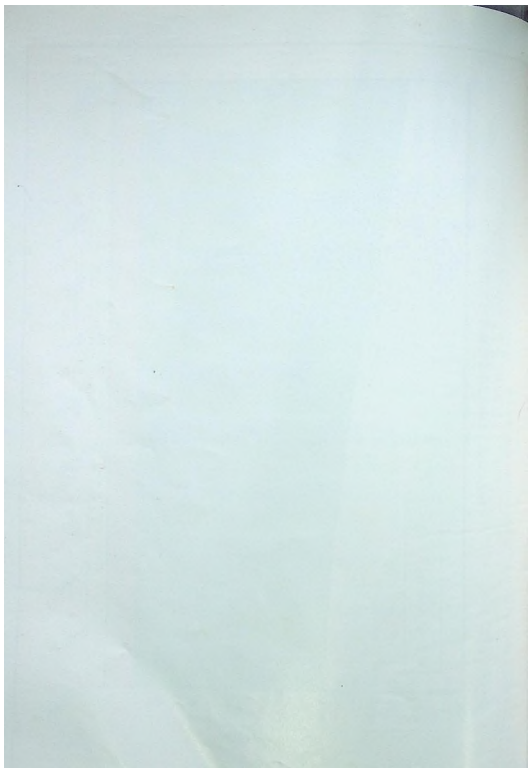


Chart 2  
AVERAGE YIELD PER HECTARE (Kilogram)



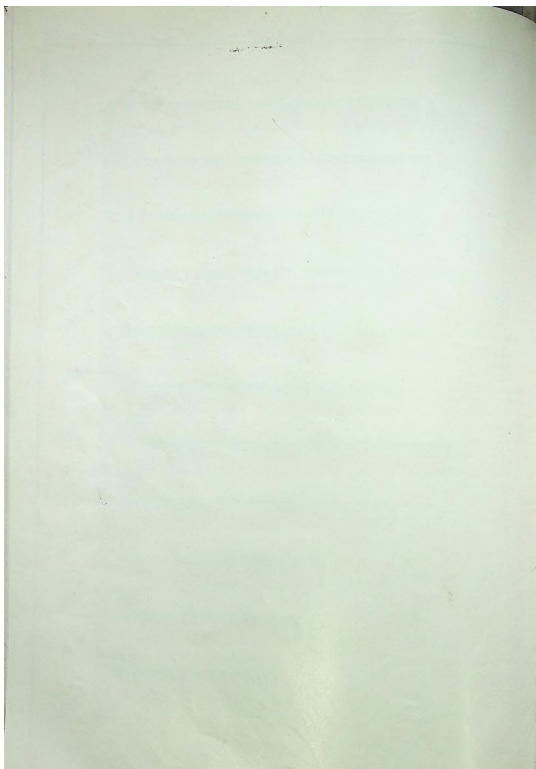


TABLE - 5

## 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	Tapped area	Production	Tapped area	Production	Tapped area	Production	Tapped area	Production					
1996-97	335400	512756	1529	12730	18505	1454	9760	11160	1143	7690	7004	911	365580	549425	1503
1997-98	342420	541935	1593	13000	19175	1475	10365	12150	1172	11185	10570	945	376970	583830	1549
1998-99	349683	559099	1599	13215	20263	1533	10685	12549	1174	13517	13134	972	387100	605045	1563
1999-00	355342	572820	1612	13377	21134	1580	10980	13115	1194	15101	15196	1006	394800	622265	1576
2000-01	359780	579866	1612	13651	21611	1583	11043	13368	1211	15427	15560	1009	399901	630405	1576
2001-02	360006	580350	1612	13677	21631	1582	11110	13465	1212	15920	15954	1002	400713	631400	1576
2002-03	363791	594917	1635	14065	22253	1582	11278	13659	1211	18819	18606	989	407953	649435	1592
2003-04	381970	655135	1715	14170	22520	1589	11488	14070	1225	20307	19925	981	427935	711650	1663
2004-05	381397	690768	1765	14325	22690	1584	11560	14440	1249	22438	21767	970	439720	749665	1705
2005-06	396385	739225	1865	14505	23555	1624	11755	14940	1271	24370	24905	1022	447015	802625	1796
2006-07	399635	763275	1960	14650	24020	1640	12414	16125	1299	27321	29475	1079	454020	852895	1879
2007-08	401420	753135	1876	14730	23820	1617	12850	16450	1280	29630	31940	1071	458830	825345	1799
2008-09	401706	782685	1948	15113	24355	1612	13635	19175	1406	32676	38285	1172	463130	864500	1867
2009-10	402740	745510	1851	15125	24695	1633	14610	21331	1460	36005	39864	1107	468480	831400	1775
2010-11	406394	770580	1886	15385	25160	1635	16230	23705	1461	39221	42505	1084	477230	861950	1806
2011-12p	413650	798690	1931	15390	25220	1639	18165	27890	1535	43765	51700	1181	490970	903700	1841



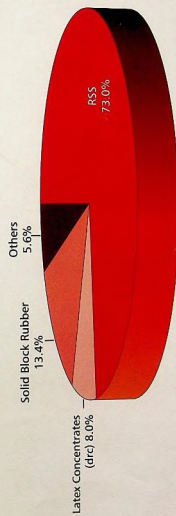
TABLE - 6

## MONTH-WISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

Month	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
April	40035	39800	45580	47550	48480	54555	53665	57250	51520	53500	56800	52700
May	43350	42410	49860	47300	53010	56500	46485	60115	53550	56400	59700	58000
June	39175	43635	47035	49205	49625	57610	43480	62200	54255	56850	59200	62000
July	43490	46935	49485	53110	53455	65500	39590	62550	50250	58500	64300	68000
August	51485	51475	56950	63590	65210	74495	60850	73250	64750	72500	71200	73000
September	56450	58480	64815	73130	70885	73550	65275	80500	74300	77500	80200	82000
October	62450	63215	71290	75395	81405	82970	89505	84365	88775	82400	89300	89500
November	75525	75410	85325	89065	93505	95525	109480	95550	93500	90500	94400	98000
December	79410	80495	88450	91455	96125	101680	111730	100225	100650	103000	106800	114000
January	73030	75525	77545	80110	93510	96450	103515	91900	97500	98800	102500	101000
February	31855	35050	36455	38205	51505	51455	54520	48295	51500	57600	64000	62000
March	35145	38105	38760	41550	45890	42605	47250	46300	50650	54400	55300	53500
Total	631400	649435	711650	749665	802625	852895	825345	864500	831400	861950	903700	913700
Growth (%)	0.16	2.86	9.58	5.34	7.06	6.26	-3.23	4.74	-3.83	3.67	4.84	1.11
Cal. year Total	631540	640795	707570	742560	771585	853290	810570	881290	820245	850800	892700	919000
Growth (%)	0.41	1.46	10.42	4.95	3.91	10.59	-5.01	8.72	-6.93	3.73	4.92	2.95

Chart 3  
TYPE-WISE PRODUCTION OF NR- 2012-13



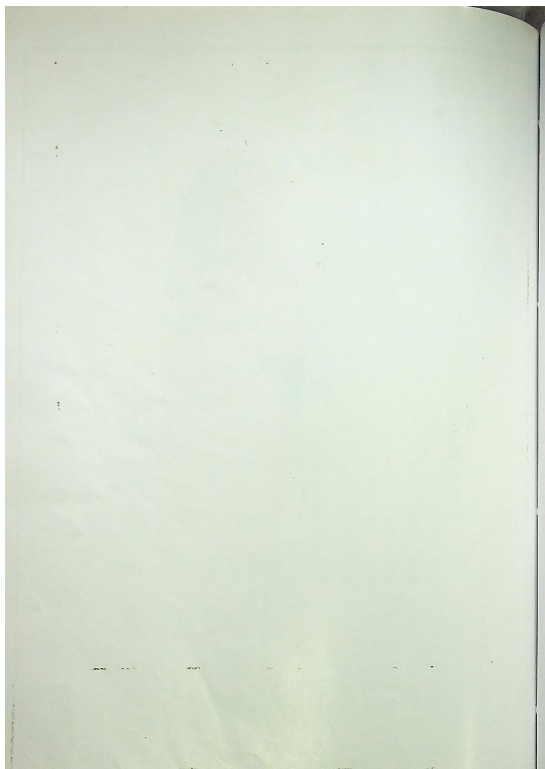


TABLE - 7

## TYPE-WISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

Type	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
RSS Grades	441875	490070	532155	566445	612735	583875	617125	578650	618960	659200	667225
Latex Concentrates(drc)	76205	81860	78795	90950	86780	88305	88070	85760	76055	76490	73150
Solid Block Rubber	81405	87665	84275	92540	98500	100705	110275	120780	117930	119815	122125
Others	49950	52055	54440	52690	54880	52460	49030	46210	49095	49195	51200
Total	649435	711650	749665	802625	852895	825345	864500	831400	861950	903700	913700

TABLE - 8

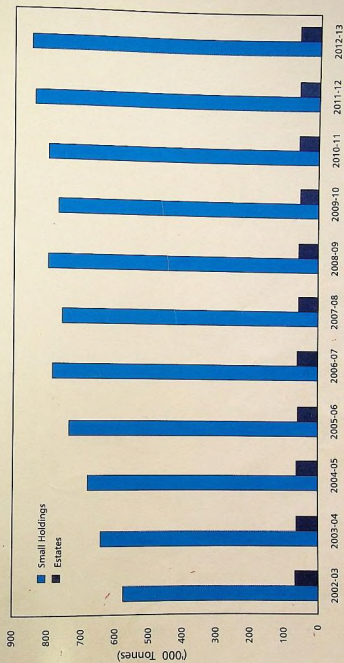
## PRODUCTION BY HOLDINGS AND ESTATES

(Tonnes)

Year	Holdings	Estates	Total	Year	Holdings	Estates	Total
1988-89	204000	55172	259172	2000-01	553770	76835	630605
1989-90	239400	57900	297300	2001-02	555320	76080	631400
1990-91	268500	61115	329615	2002-03	580080	69355	649435
1991-92	302700	64045	366745	2003-04	647095	64555	711650
1992-93	327500	65980	393480	2004-05	685595	64070	749665
1993-94	367950	67210	435160	2005-06	739530	63095	802625
1994-95	405900	65915	471815	2006-07	789805	63090	852895
1995-96	438500	70410	506910	2007-08	764875	60870	825745
1996-97	475000	74425	549425	2008-09	804950	59550	864500
1997-98	507000	78830	585830	2009-10	774640	56760	831400
1998-99	527000	78045	605045	2010-11	802640	59310*	861950
1999-00	544600	77665	622265	2011-12 <sup>a</sup>	843410	60290*	903700

\* : Production of those units having area above 10 ha is also included. (Refer page xlii)

Chart 4  
PRODUCTION OF NR FROM SMALL HOLDINGS AND ESTATES



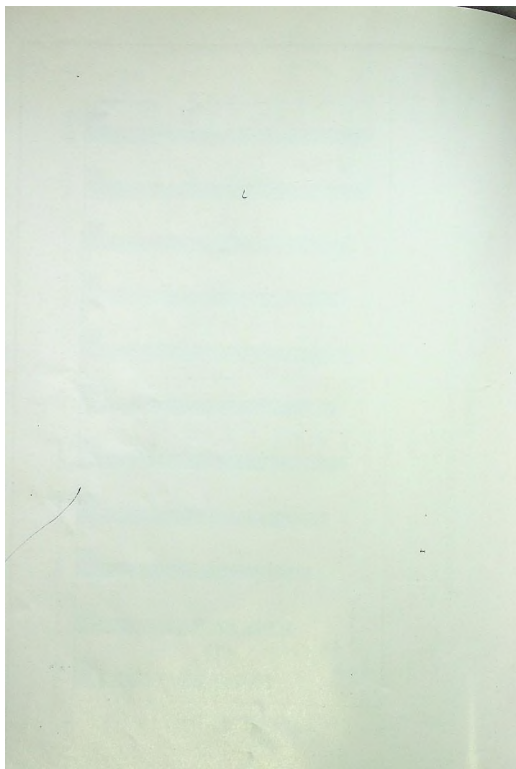


TABLE - 9

## DISTRICT-WISE PRODUCTION OF NATURAL RUBBER

(Tonnes)

District/State	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12p
Thiruvananthapuram	36026	37915	43660	47280	44950	45880	42900	44930	46180
Kollam	50035	53233	55440	59360	55655	54380	50830	54130	55600
Pathanamthitta	67985	69094	70865	77440	73690	79640	77400	79220	80530
Alappuzha	5093	5577	6790	7400	6750	6860	6580	6740	6890
Kottayam	152682	162409	166940	173600	166180	176905	170800	172200	175710
Idukki	49496	52441	55830	57115	54800	59035	54600	57230	58760
Ernakulam	79647	82603	84800	88435	87595	94270	90770	91700	93770
Thrissur	21383	22488	25090	27200	26375	23595	21800	22820	23660
Palakkad	40916	43353	51185	52575	50720	49680	47930	49575	52270
Malappuram	39959	42548	48110	56105	54390	52600	48080	50745	54220
Kozhikode	25544	26258	29940	31835	29445	29625	28275	29920	30800
Wynad	6230	6685	7620	8245	8085	8600	8400	9000	9570
Kannur	50381	54080	59495	61575	60350	60795	58125	61110	66370
Kasaragod	29758	31184	33360	35110	35150	40820	39020	41260	44560
Kerala	655135	690768	739225	793275	753135	782665	745510	770580	798890
Outside Kerala	56515	58897	63400	69620	72210	81815	85880	91370	104810
Grand Total	711650	749665	802625	862895	825345	864500	831400	861950	903700



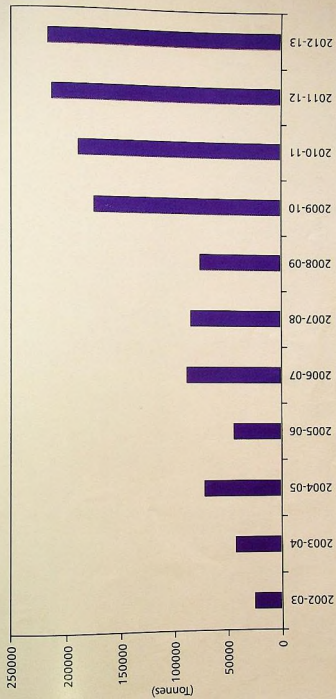
TABLE - 10

## MONTH-WISE IMPORT OF NATURAL RUBBER

(Tonnes)

Month	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2008-10	2010-11	2011-12	2012-13p
April	162	2015	815	4720	7408	3615	8624	4745	9784	10446	5540	17509
May	843	1282	6095	6882	4844	6578	8115	9690	18018	16234	14102	20884
June	1299	894	4519	7788	9299	6518	7336	7167	23642	14431	20123	20726
July	3064	2098	5377	7245	4667	5906	4240	2667	29477	19737	19893	21059
August	7432	5067	8186	5447	3664	4031	6639	3799	22957	24611	18392	17684
September	8766	688	3651	7889	2521	883	9093	10205	18729	33096	12884	14779
October	3938	817	2295	4169	2161	1351	8373	16010	10011	20857	9085	18466
November	5398	336	1129	4668	4862	5465	8026	5743	7215	14633	16131	23968
December	6441	161	1056	3309	1520	10620	8180	3426	6139	13901	20706	18366
January	6230	3167	2457	7196	294	10216	8552	5153	7170	8221	29352	24505
February	3900	6114	2848	8949	1470	18853	4739	2420	11988	9197	24808	9497
March	2296	3558	5771	4773	2575	15463	4278	6737	11990	5528	23417	9921
Total	49769	26217	44199	72835	45285	89799	86394	77762	177130	190692	214433	217364

Chart 5  
IMPORT OF NATURAL RUBBER



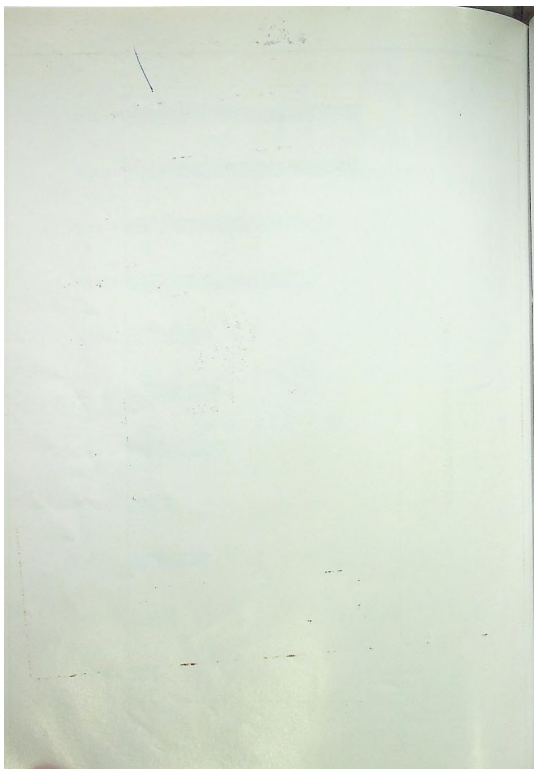


TABLE - 11

## TYPE-WISE IMPORT OF NATURAL RUBBER

(Tonnes)

Type	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
RSS grades	11755	11758	20919	6992	33111	26349	27220	73766	60722	75560	53750
Solid Block Rubber	12751	30539	50720	37433	55075	56595	49130	98574	126065	136950	163539
Latex Concentrates (drc)	1243	1757	979	783	1401	855	1412	4439	3525	1775	63
Others	468	145	217	77	212	595	0	351	380	148	12
Total	26217	44199	72835	45285	89799	86394	77762	177130	190692	214433	217364

TABLE - 12

## TYPE-WISE EXPORT OF NATURAL RUBBER

(Tonnes)

Type	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
RSS grades	43688	38951	24028	35187	31786	28675	14209	2827	13150	9471	13225
Solid Block Rubber	4637	19907	11558	13396	8454	8240	9283	7999	4993	953	9273
Latex Concentrates (drc)	6927	17125	10496	24153	16056	22639	20836	13106	10717	15127	7052
Others	59	22	68	1094	249	799	2598	1158	991	1594	1044
Total	55311	75905	46150	73830	56545	60353	46926	25090	29851	27145	30594

TABLE - 13

## COUNTRY-WISE EXPORT OF NATURAL RUBBER

(Quantity in Tonnes and Value in Million Rs)

COUNTRY	2007-08		2008-09		2009-10		2010-11		2011-12		2012-13p	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
China	20222	1808	5518	608	1747	182	8463	1819	2890	626	5851	936
Malaysia	12092	1117	13510	1589	6925	716	6555	1216	4273	688	10034	1611
Sri Lanka	2789	227	1982	226	1182	140	2619	601	6623	1281	4982	797
Germany	2480	158	1296	96	1276	117	1375	168	2732	317	1323	140
U.S.A.	4888	308	8269	560	3076	306	1075	141	254	34	141	16
Belgium	2873	182	2046	150	876	72	950	124	1613	212	486	52
Spain	1052	66	1106	81	384	35	644	81	982	131	372	39
Nepal	685	61	983	105	309	25	409	67	432	84	386	62
Turkey	1178	85	902	90	502	39	348	76	265	32	368	59
U.K.	1177	71	749	59	183	14	195	25	43	6	85	9
Korea	776	77	1101	115	75	5	52	9	0	0	39	4
Others	10141	783	9444	803	8555	855	7166	1195	7038	1002	6527	960
Total	60353	4943	46926	4502	25090	2506	29851	5522	27145	4413	30594	4685

Others include Pakistan, Mexico, Brazil, Italy, Israel, Ukraine, Egypt, Saudi Arabia, Indonesia, Portugal, Iran, Australia, Bulgaria, U.A.E., Singapore, etc.

Chart 6  
EXPORT OF NATURAL RUBBER

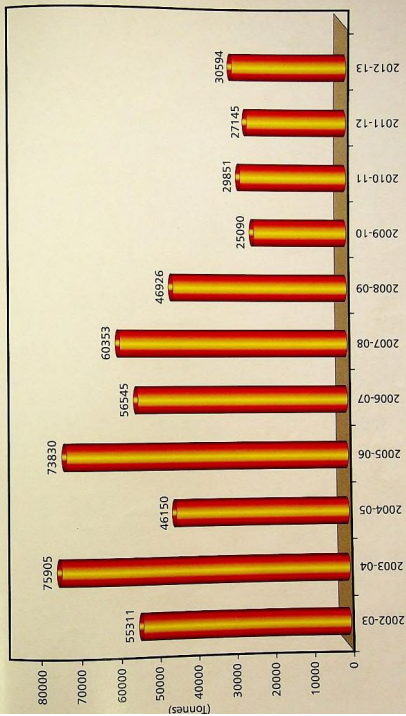




TABLE - 14

## MONTH-WISE EXPORT OF NATURAL RUBBER

(Tonnes)

MONTH	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
April	301	5889	2164	3690	726	2227	2214	787
May	476	6722	4141	3159	124	1478	3031	1421
June	732	9801	4105	9451	46	618	4558	817
July	3590	8497	4406	9299	30	24	1537	1882
August	6311	10226	1416	3047	91	17	1958	1506
September	10028	6386	1166	2314	574	194	4785	1053
October	11372	1981	811	3040	2274	180	2981	1145
November	12440	973	1246	4101	4165	60	622	568
December	9613	941	5126	3131	2563	2495	1077	1803
January	4670	656	8053	1475	2906	6664	967	4850
February	5850	721	14643	2257	5556	7951	951	7139
March	8447	3552	13076	1962	6035	7943	2464	7823
Total	73830	56545	60353	46926	25090	29851	27145	30594



TABLE - 15

## MONTH-WISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Month	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
April	52875	54510	54130	59020	62560	63850	65350	70025	73470	78250	81375	81750
May	54505	56505	58095	60695	64950	65005	65895	71215	71250	79150	80120	85690
June	55010	56740	60275	62640	64745	65585	69495	74060	74220	75460	81720	83930
July	52655	58920	61450	64265	68490	68645	72070	77540	78910	76200	81210	85710
August	50820	57835	61205	64210	70240	71315	7505	75850	79750	79500	76190	83430
September	51010	57380	60310	64525	66135	69680	74590	75860	76765	80500	74870	81820
October	51335	57750	58325	62455	66725	69305	74430	75825	77950	81180	76485	83485
November	53150	58470	61405	61115	66550	70490	72525	73290	80500	78010	82440	78245
December	54425	59455	63205	65150	67545	68225	73110	69290	80250	80465	84795	78420
January	54850	60210	61175	63515	67945	69300	71010	64045	80500	81000	82535	75810
February	53045	59525	59825	63505	66670	68715	73870	71520	76350	78000	80265	74175
March	54430	58125	60200	64310	68555	70290	74005	74200	78650	80010	82400	80240
Total	638210	695425	719600	755405	801110	820305	861455	871720	930565	947715	964415	972705
Growth (%)	1.07	8.96	3.48	4.98	6.05	2.40	5.02	1.19	6.75	1.84	1.76	0.86
Cal. year Total	630635	679990	716260	745275	789270	815170	850875	880840	904830	944205	958225	987680
Growth (%)	-1.09	7.83	5.33	4.05	5.90	3.28	4.38	3.52	2.72	4.35	1.48	3.07

Chart 7  
TYPE-WISE CONSUMPTION OF NR- 2012-13

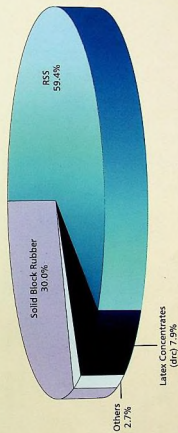




TABLE - 16

## TYPE-WISE CONSUMPTION OF NATURAL RUBBER

(Tonnes)

Type	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
RSS grades	492980	501625	519855	561655	561580	577635	597440	621435	607455	616215	578050
Solid Block Rubber	87305	98205	117130	115940	132755	155670	146080	190545	235130	248285	292210
Latex Concentrates (drc)	77540	78660	71880	74670	76190	77715	80520	82515	77380	73190	76705
Others	37600	41110	46540	48945	49780	50435	47700	36070	27750	26725	25740
Total	695425	719600	755405	801110	820305	861455	871720	930565	947715	964415	972705

TABLE - 17

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

Month	2010-11			2011-12			2012-13p		
	G & D	M	T	G & D	M	T	G & D	M	T
April	132115	63010	195325	203910	64870	268760	156080	69920	226000
May	130290	57890	188180	201360	61205	262565	154005	67995	222000
June	128935	54120	183055	140300	58700	199000	153350	67650	221000
July	136095	49505	185600	156420	53580	210000	155230	60770	216000
August	153110	49690	202800	158565	55435	214000	157870	60130	218000
September	179390	53705	233095	170650	53350	224000	170315	54685	225000
October	188090	65790	253880	190110	52890	243000	186540	58460	245000
November	210205	70525	280730	203835	48165	252000	199235	65765	265000
December	246180	68710	314890	203350	58650	262000	220490	69510	290000
January	258605	76060	334665	201240	65760	267000	216880	79120	296000
February	239375	75965	315340	173400	70600	244000	191080	74820	266000
March	215955	72345	288300	163950	72325	236275	184940	68060	253000

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

TABLE - 18

# **MONTH-WISE PRODUCTION OF SYNTHETIC RUBBER** (Tonnes)

Month	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2010-10	2010-11	2011-12	2012-13p
April	5296	5680	6105	7834	7816	8772	7991	8689	8169	8180	9262	8285
May	5218	6497	6611	7512	7286	8899	9193	9390	7810	9522	9468	9398
June	5478	6791	5752	7892	7909	8429	7965	8763	8776	9254	9279	9729
July	5199	5904	7948	8006	7170	8639	8540	9133	9637	8188	8929	9871
August	5568	7505	7092	7858	8720	7630	8803	7781	9645	8767	9391	9561
September	5536	6715	8462	7608	7796	8065	8750	7500	8951	9320	8421	7934
October	6650	6247	7017	7368	8724	7926	8816	7690	8405	8726	8592	9006
November	5846	6370	7860	7840	8187	8219	9149	6128	8958	10084	8636	8877
December	6267	7209	7843	8173	8590	8482	9851	7059	8912	9463	10503	8878
January	5880	7800	8614	7526	8300	8163	9353	8063	10249	9859	10414	9003
February	5975	6642	7749	7242	7984	7830	8479	7055	8768	9634	9569	9283
March	6730	7041	8187	8895	9176	8459	9396	9488	8463	9343	8135	8867
Total	69653	80401	89240	93854	97638	99513	106286	96739	106743	110340	110599	108692
Growth (%)	6.41	15.43	10.99	5.17	4.03	1.92	6.81	-8.98	10.34	3.37	0.23	-1.72
Cal. year Total	69111	77503	86173	94641	95941	100521	103510	99361	103869	108984	111317	109657
Growth (%)	14.72	12.14	11.19	9.83	1.37	4.77	2.97	-4.01	4.54	4.92	2.14	-1.49

TABLE - 19

## TYPE-WISE PRODUCTION OF SYNTHETIC RUBBER

(Tonnes)

Type	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2008-10	2010-11	2011-12	2012-13p
SBR 1558 <sup>a</sup>	15363	17100	16402	11503	8407	12638	8762	10704	10787	9141	8096
Latex (drc)*	1480	2651	3143	3923	4679	5471	4780	9123	10628	10643	12793
Nitrile	6781	8960	6535	10006	10913	14131	11439	14250	13020	11770	10785
Polybutadiene	50977	55652	63762	67286	71730	74046	71758	72666	75905	78745	77038
EPDM	5010	6126	3668	4920	3784	—	—	—	—	—	—
Others	780	751	344	—	—	—	—	—	—	—	—
Total	80401	89240	93854	97638	99513	106286	96739	106743	110340	110599	108692
Growth (%)	15.43	-10.99	5.17	4.03	1.92	6.81	-8.96	10.34	3.37	0.23	-1.72

<sup>a</sup> : Including HSR

\* : Includes SBR Latex, VP Latex and Nitrile Latex.

TABLE - 20

# TYPE-WISE CONSUMPTION OF SYNTHETIC RUBBER (Tonnes)

Type	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13 <sup>a</sup>
Styrene butadiene rubber <sup>α</sup>	65110	71030	75610	80885	98170	110965	111745	138905	174855	185265	196530
Polybutadiene	55170	61120	64620	69080	79900	88205	82740	104465	125305	134630	145695
Butyl	44850	47400	51900	53090	55825	59260	58960	66080	67420	67670	69995
Polychloroprene	5450	5775	6220	6510	6640	6850	6775	6890	7960	6480	6650
Nitrile	7055	7280	7935	8115	9195	9135	9430	8260	7440	6880	5125
Latex (drc)	5605	5970	6190	6460	6550	6420	6900	7135	8465	7825	7480
EPDM	6730	7040	7195	7515	7830	8450	8305	8020	10480	7410	5740
Others*	4880	4575	4980	5840	6720	7670	8095	7955	9905	7180	7045
Total	194850	210190	224650	237495	270830	297155	292950	347710	411830	423350	444160
Growth (%)	11.64	7.87	6.88	5.72	14.04	9.72	-1.42	18.69	18.44	2.80	4.92

<sup>α</sup> : Includes SBR latex.

\* : Includes unclassified synthetic rubber also.



TABLE - 21

## STOCK OF SYNTHETIC RUBBER AT THE END OF EACH MONTH

(Tonnes)

Month	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13 <sup>a</sup>
April	51395	66840	50120	30770	24620	25770	33030	24590	36160	35690	49880
May	52900	64870	47560	27720	24615	26980	37550	26700	38840	40915	50300
June	54445	60780	44775	25940	25180	27155	42870	29130	39655	42890	50005
July	57125	58890	43905	22840	23480	26345	44070	30195	41910	45470	43865
August	60995	55930	43290	22860	22000	27570	43650	32600	38085	48945	45440
September	63320	55510	42570	23590	24950	27550	40240	33170	37950	50615	47490
October	67410	53820	41490	23960	26440	27195	39480	34820	37490	52275	48935
November	68665	51580	40330	24780	27670	25780	35420	36165	40250	45465	51590
December	68520	52210	39340	23980	27010	26435	37725	37415	38940	46210	49895
January	68995	52470	38110	24360	25460	28190	35020	36555	36370	45580	47885
February	65625	52570	34230	24665	25700	28220	27630	35490	35860	48170	44580
March	67385	51170	33470	25730	26410	31250	25670	34910	35450	50325	44440

TABLE - 22

# PRODUCTION, CONSUMPTION AND EXPORT OF RECLAIMED RUBBER

(Tonnes)

Year	Production	Consumption	Export
1993-94	62780	63110	810
1994-95	64425	64655	1928
1995-96	65780	65775	2078
1996-97	66670	66585	3306
1997-98	69840	70085	2271
1998-99	63980	63095	1252
1999-00	64080	63450	2184
2000-01	62120	62260	3349
2001-02	63550	63875	5766
2002-03	67385	67320	7625
2003-04	70990	70460	9462
2004-05	73060	72905	12313
2005-06	76645	76535	18270
2006-07	78495	78435	19100
2007-08	89250	83165	29675
2008-09	91350	86030	32710
2009-10	100770	92250	36480
2010-11	115000	100290	52335
2011-12	129153	102435	55630
2012-13p	130280	114595	58335

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	Synthetic	Natural	Synthetic	Total
1998-99	605045	67590	672635	29534	97548	127082	1840		591545	156395	747940
1999-00	622265	60293	682558	20213	104842	125055	5989		628110	167220	795330
2000-01	630405	65460	695865	8970	106923	115893	13356		631475	170670	802145
2001-02	631400	69653	701053	49769	111572	161341	6995		638210	174530	812740
2002-03	649435	80401	729836	26217	129902	156119	55311		695425	194850	890275
2003-04	711650	89240	800890	44199	104733	148932	75905		719600	210190	929790
2004-05	749665	93854	843519	72835	113095	185930	46150		755405	224650	980055
2005-06	802625	97838	900263	45285	132118	177403	73830		801110	237495	1038605
2006-07	852895	99513	952408	89799	171998	267797	56545		820305	270830	1091135
2007-08	825345	106286	931631	86394	195705	282099	60353		861455	297155	1158610
2008-09	864500	96739	961239	77762	190630	268392	46926		871720	292950	1164670
2009-10	831400	106743	938143	177130	250210	427340	25090		930565	347710	1278275
2010-11	861950	110340	972290	190692	302030	492722	29851		947715	411830	1359545
2011-12	903700	110599	1014299	214433	327625	542058	27145		964415	423350	1387765
2012-13p	913700	108692	1022392	217364	328585	546949	30594		972705	444160	1416865

TABLE - 24

**TOTAL STOCK OF NATURAL AND SYNTHETIC RUBBER WITH PRODUCERS,  
DEALERS AND MANUFACTURERS AT THE END OF EACH MONTH**

(Tonnes)

Month	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
April	227885	176240	127700	134260	107080	186370	186420	208095	231485	304470	275880
May	213880	171160	116515	123760	99170	172835	186900	210425	227020	303480	272300
June	200295	158800	106550	115635	89020	150865	179085	216500	222710	241890	271005
July	188335	145710	101085	99285	82010	117580	159605	218385	227510	265470	259885
August	189715	141725	104590	92750	78055	110180	157980	228640	240885	282945	263440
September	187670	142920	114695	91805	79945	108960	167715	242920	271045	274615	272490
October	189740	148950	120955	98700	94750	131455	187990	263595	291370	295275	293935
November	203960	161650	143275	120175	125745	174130	209880	281545	320980	297465	316590
December	220160	182920	164970	141095	168800	217290	245415	307665	353830	308210	339895
January	234865	196160	186740	163440	204200	253630	274600	328720	371035	312590	343885
February	206985	165840	164875	145015	205500	226280	244410	310420	351200	292170	310580
March	185380	136360	143855	118750	191700	195530	221900	246200	323750	286600	297440

TABLE - 25

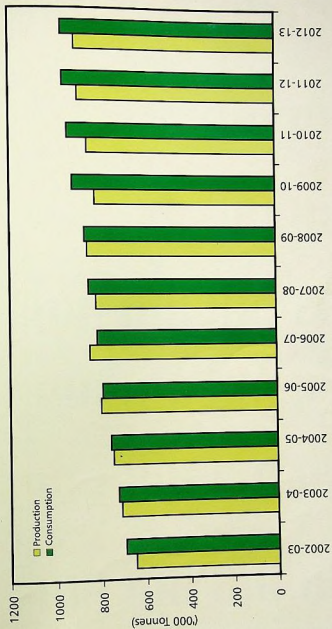
## PRODUCTION, IMPORT, EXPORT, CONSUMPTION AND STOCK OF NATURAL RUBBER

(Tonnes)

Year	Production	Annual growth rate	Import	Total Supply	Export	Consumption	Annual growth rate	Total Demand	Excess(+) / Deficiency(-) compared with demand	Stock at the end of the period*
1999-00	622265	2.85	20213	642478	5989	628110	6.18	634099	+ 8379	192570
2000-01	630405	1.31	8970	639375	13356	631475	0.54	644931	- 5456	183900
2001-02	631400	0.16	49769	681169	6995	639210	1.07	645205	+35964	193070
2002-03	649435	2.86	28217	675652	55311	695425	8.96	750736	-75084	117985
2003-04	711650	9.58	44189	755849	75905	719600	3.48	795505	-39656	85190
2004-05	749665	5.34	72835	822500	46150	755405	4.98	801555	+20945	110385
2005-06	802625	7.06	45285	847910	73830	801110	6.05	874940	-27030	93020
2006-07	852985	6.26	89799	942684	56545	820305	2.40	876850	+65844	165290
2007-08	825345	-3.23	86394	911739	60353	861455	5.02	921808	-10069	164280
2008-09	864500	4.74	77762	942262	46926	871720	1.19	918646	+23616	196230
2009-10	831400	-3.83	177130	1008530	25090	930565	6.75	955655	+52875	211290
2010-11	861950	3.67	190692	1052642	29851	947715	1.84	977566	+75076	288300
2011-12	903700	4.84	214433	1118133	27145	964415	1.76	991580	+126573	236275
2012-13p	913700	1.11	217364	1131064	30594	972705	0.86	1003299	+127765	253000

\* : including year end adjustment

Chart 8  
PRODUCTION AND CONSUMPTION OF NR



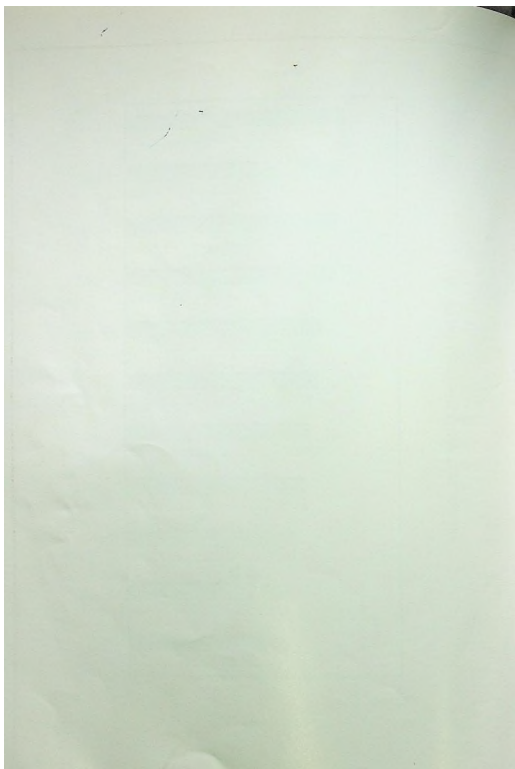


TABLE - 26

## PRODUCTION, IMPORT, CONSUMPTION AND STOCK OF SYNTHETIC RUBBER

(Tonnes)

Year	Production	Import	Total	Consumption	Excess (+) / Deficiency (-) compared with demand	Stock at the end of the period
1994-95	63681	73860	137541	122710	+ 14831	20285
1995-96	68223	71735	139958	134085	+ 5873	18760
1996-97	64563	91050	155613	142810	+ 12803	31560
1997-98	71983	86389	158382	160915	- 2533	29030
1998-99	67590	97548	165138	156395	+ 8743	42410
1999-00	60293	104842	165135	167220	- 2085	43505
2000-01	65460	108923	172383	170670	+ 1713	45220
2001-02	69653	111572	181225	174630	+ 6695	51930
2002-03	80401	129602	210303	194850	+ 15453	67385
2003-04	88240	104733	193973	210190	- 16217	51170
2004-05	93854	113095	206949	224650	- 17701	33470
2005-06	97638	132118	229756	237495	- 7739	25730
2006-07	99513	171998	271511	270830	+ 681	26410
2007-08	106286	195705	301991	297155	+ 4836	31250
2008-09	96739	190630	287369	292950	- 5581	25670
2009-10	106743	250210	356953	347710	+ 9243	34910
2010-11	110340	302030	412370	411830	+ 540	36450
2011-12	110599	327625	438224	423350	+ 14874	50325
2012-13p	108692	329585	438277	444160	- 5883	44440



TABLE -27

## STATE-WISE CONSUMPTION OF ALL KINDS OF RUBBER

(Tonnes)

State/Union Territory	2008-09				2009-10			
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	50939	19632	7492	78063	52860	21925	9175	83960
Delhi	16137	1890	1116	19143	13140	1360	650	15150
Goa, Daman & Diu	31950	8323	825	41098	28475	10280	820	39575
Gujarat	65741	18866	2437	87044	68245	26380	3070	97695
Haryana	49982	9185	1944	61111	50515	9835	1640	61990
Jharkhand®	1071	332	176	1579	895	305	85	1285
Karnataka	56331	19960	7034	83325	64210	25690	7610	97510
Kerala	139288	48504	9222	197014	147085	61135	11045	219265
Madhya Pradesh**	29615	23136	2660	55411	33010	26210	3415	62635
Maharashtra	109601	42033	15039	166673	116390	46755	13805	176950
Odisha	33855	8524	186	42565	38630	11630	275	50535
Pondicherry	2963	2361	125	5449	2085	2660	65	4810
Punjab*	81779	13200	16891	111870	75850	13780	14575	104205
Rajasthan	53046	18450	1334	72830	49560	20320	3995	73875
Tamil Nadu	64360	34723	10854	109937	68380	38970	13520	120870
Uttar Pradesh**	51197	11360	4445	67002	83905	19510	4590	108005
West Bengal	30081	12254	4088	46423	30710	10550	2795	44055
Others	3784	217	162	4163	6620	415	1120	8155
Total	871720	292950	86030	1250700	930565	347710	92250	1370525

TABLE - 27 (Cont.)

State/Union Territory	2010-11			2011-12 <sup>p</sup>		
	Natural	Synthetic	Reclaimed	Natural	Synthetic	Reclaimed
Andhra Pradesh	57730	28300	9810	69085	37905	10745
Delhi	8120	560	455	6060	540	340
Goa, Daman & Diu	19735	11910	1040	25845	12135	1020
Gujarat	67440	32590	2825	65870	30515	2890
Haryana	45630	12765	1795	44785	13310	2095
Jharkhand <sup>a</sup>	755	285	80	495	110	80
Karnataka	70882	28115	7970	69915	26960	7620
Kerala	136725	57425	12865	153850	58490	14120
Madhya Pradesh <sup>**</sup>	36665	28875	4030	37225	29120	3510
Maharashtra	116450	59990	14420	106750	56015	12010
Odisha	37460	11080	380	29105	7080	610
Pondicherry	2350	2835	65	4610	3815	2
Punjab <sup>*</sup>	79150	15435	14820	70040	12775	14095
Rajasthan	63630	28725	5515	71415	34590	6085
Tamil Nadu	89575	57210	14910	109380	72505	16430
Uttar Pradesh <sup>**</sup>	84273	27390	5950	77335	21830	7415
West Bengal	24555	7945	2030	16020	4925	1160
Others	6590	395	1330	6530	730	2238
<b>Total</b>	<b>947715</b>	<b>411830</b>	<b>100290</b>	<b>964415</b>	<b>423350</b>	<b>102435</b>
			<b>1459835</b>			<b>1490200</b>

<sup>a</sup>: Including Chandigarh, <sup>\*\*</sup>: Including Chattisgarh, <sup>\*\*\*</sup>: Including Uttarakhand and <sup>e</sup>: Including Bihar.

TABLE - 28

**VALUE OF NATURAL RUBBER IMPORTED FROM VARIOUS COUNTRIES**  
(Million Rs.)

Country	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
Indonesia	1028	3462	3319	2466	7135	13012	11343	18701
Vietnam	246	297	265	168	411	3247	4957	10263
Thailand	551	2718	3134	5224	6072	7794	15323	8266
Malaysia	540	412	369	715	506	1651	2416	1364
Sri Lanka	121	706	666	639	1347	1152	955	1057
Singapore	65	60	29	10	3	39	72	96
Myanmar	177	91	21	15	24	117	97	28
Others	17	59	86	135	523	2274	7319	6126
<b>Total</b>	<b>2745</b>	<b>7805</b>	<b>7889</b>	<b>9372</b>	<b>16021</b>	<b>29286</b>	<b>42462</b>	<b>45901</b>

Source: "Monthly Statistics of Foreign Trade of India", published by DGCI&S, Kolkata.

TABLE - 29

**VALUE OF SYNTHETIC AND RECLAIMED RUBBER IMPORTED  
FROM VARIOUS COUNTRIES**  
(Million Rs.)

Country	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
Korea RP	2022	2985	4988	6795	7261	12589	18581	19025
Russia	3572	4961	4999	7671	5629	9817	9916	9423
Japan	1221	1109	1285	1734	3467	4245	6162	7156
U.S.A.	1421	2480	3052	3491	3391	6079	7361	6017
China P RP	859	451	580	460	614	1954	6634	3746
France	1253	1749	1621	1926	1590	2049	2708	3513
Taiwan	620	1055	740	1199	1605	3472	4859	3362
U. K.	571	758	1250	1277	1706	1707	2260	2913
Germany	865	1412	1957	1716	1105	1789	2268	2799
Netherlands	319	341	547	828	786	955	1254	1442
Belgium	207	199	274	323	795	905	1482	1180
Thailand	830	676	692	616	1192	1891	2848	1126
Brazil	671	896	483	94	508	137	376	976
Iran	262	370	220	416	291	411	816	677
Canada	194	130	202	493	224	189	53	86
Others	678	1145	864	1178	1930	3286	9906	12224
<b>Total</b>	<b>15565</b>	<b>20717</b>	<b>23744</b>	<b>30217</b>	<b>32094</b>	<b>51455</b>	<b>77484</b>	<b>75665</b>

Note: Reclaimed rubber includes waste and scrap of unhardened rubber  
Source: "Monthly Statistics of Foreign Trade of India", published by DGCI&S, Kolkata.

TABLE - 30

**PRICE OF DIFFERENT GRADES OF NATURAL RUBBER**

(Rs per 100 Kg in Kottayam Market)

Year	RSS 1	RSS 2	RSS 3	RSS 4	RSS 5	EBC 2X	LATEX (60% drc)	ISNR 20
2000-01	3513	3353	3205	3036	2909	2801	4560	2840
2001-02	3558	3455	3343	3228	3061	2658	4371	2819
2002-03	4283	4183	4083	3919	3693	3513	5293	3706
2003-04	5393	5295	5195	5040	4883	4819	6482	4901
2004-05	5938	5838	5738	5571	5398	5275	7057	5301
2005-06	7036	6932	6831	6699	6494	6318	7879	6432
2006-07	9776	9646	9544	9204	8920	8672	11190	8787
2007-08	9549	9430	9330	9085	8891	8651	10491	8817
2008-09	10502	10402	10302	10112	9897	9388	11604	9692
2009-10	12045	11911	11809	11498	11164	10579	13163	10786
2010-11	19954	19753	19581	19003	18419	17551	20500	17976
2011-12	21998	21619	21139	20805	20453	19749	21364	20130
2012-13	18671	18312	17940	17682	17225	16679	19620	16817
2000	3599	3438	3289	3125	2994	2890	4788	2927
2001	3472	3369	3247	3109	2961	2643	4105	2756
2002	3958	3859	3761	3621	3402	3122	5039	3339
2003	5170	5072	4972	4814	4649	4576	6202	4670
2004	5942	5842	5742	5571	5401	5272	7064	5310
2005	6404	6303	6203	6068	5865	5717	7163	5808
2006	9324	9191	9089	8783	8551	8338	10868	8454
2007	9509	9390	9290	9006	8772	8514	10460	8654
2008	11146	11046	10946	10775	10547	10076	11977	10387
2009	10318	10183	10081	9756	9473	8889	11756	9080
2010	17463	17352	17245	16908	16405	15570	18379	15866
2011	23096	22678	22202	21668	21239	20479	22250	20968
2012	19399	19053	18725	18440	18002	17485	20290	17625

Chart 9  
PRICE OF INDIGENOUS RSS4 GRADE RUBBER  
(At Kottayam Market)

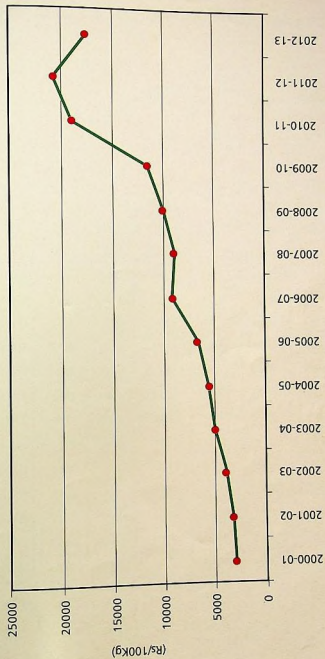




TABLE - 30(a)

COMPARISON OF DOMESTIC AND INTERNATIONAL PRICES  
(Rs/ 100 kg )

Year / Month	RSS 5	RSS 4	RSS 3	Latex(60% drc)		ISNR 20	SMR 20
	Domestic		International	Domestic	International		
2006-07	8920	9204	9779	11190	10883	8787	9041
2007-08	8891	9085	9675	10491	10622	8817	9308
2008-09	9897	10112	10379	11604	11749	9692	9972
2009-10	11164	11498	11113	13163	11988	10786	10582
2010-11	18419	19003	19555	20500	20156	17976	17600
2011-12	20453	20805	20915	21364	21625	20130	19502
April 2012	19546	19680	20052	21087	21417	19523	18811
May "	19300	19433	20375	20991	21238	19364	18260
June "	18408	18807	18996	21928	19729	18386	16031
July "	17837	18427	17450	21853	19015	17614	15997
August "	16538	17313	15618	19353	17061	15405	14417
September "	17775	18465	16511	21000	17564	16710	14893
October "	17975	18537	17025	20520	18061	16750	15612
November "	16888	17240	16419	18663	16980	16050	15277
December "	15630	16170	17000	17646	17415	15270	15719
January 2013	15608	16137	18020	17675	18613	15561	16544
February "	15223	15695	17292	16838	18063	15267	16316
March "	15972	16274	16157	17881	18115	15903	15193
2012-13	17225	17682	17576	19620	18606	16817	16089

- Note: 1. Domestic price refers to Kottayam market  
 2. International price for RSS 3 refers to Bangkok market  
 3. International price of latex and SMR 20 refers to Kuala Lumpur market



TABLE - 30(b)

**COMPARISON OF DOMESTIC AND INTERNATIONAL PRICE**  
( US\$/100 kg )

Month/Year	RSS 4	RSS 3	Latex(60% drc)		ISNR 20	SMR 20
	Domestic	International	Domestic	International		
<b>April 2012</b>	380.95	388.15	408.19	414.58	377.91	364.13
<b>May "</b>	358.15	375.51	386.86	391.41	356.87	336.53
<b>June "</b>	335.60	338.97	391.29	352.05	328.09	286.06
<b>July "</b>	332.02	314.41	393.75	342.61	317.37	288.23
<b>August "</b>	311.50	281.00	348.20	306.96	277.17	259.39
<b>September "</b>	337.63	301.90	383.98	321.16	305.54	272.32
<b>October "</b>	349.62	321.11	387.02	340.65	315.92	294.45
<b>November "</b>	314.71	299.73	340.69	309.97	292.99	278.88
<b>December "</b>	295.88	311.07	322.89	318.66	279.41	287.63
<b>January 2013</b>	296.91	331.55	325.21	342.47	286.31	304.40
<b>February "</b>	291.84	321.53	313.09	335.87	283.88	303.38
<b>March "</b>	299.32	297.17	328.88	333.18	292.50	279.44
<b>2012-13</b>	<b>325.10</b>	<b>323.15</b>	<b>360.73</b>	<b>342.08</b>	<b>309.19</b>	<b>295.81</b>

Note: 1. Domestic price refers to Kottayam market  
 2. International price for RSS 3 refers to Bangkok market  
 3. International price of latex and SMR 20 refers to Kuala Lumpur market

TABLE - 31

**AVERAGE PRICE OF INDIGENOUS SYNTHETIC RUBBER**

(Rs/ 100 kg)

Year	Styrene butadiene (Ex-Bareilly price)			Poly butadiene (Ex-Baroda Price)
	1500/1502	1712	1958	1203/1220
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
1999-00	5400	4800	6400	4460
2000-01	—	—	—	5403
2001-02	—	—	—	4925
2002-03	—	—	—	5250
2003-04	—	—	—	6056
2004-05	—	—	—	7413
2005-06	—	—	—	8600
2006-07	—	—	—	8705
2007-08	—	—	—	8813
2008-09	—	—	—	13396
2009-10	—	—	—	10324
2010-11	—	—	—	16141
2011-12	—	—	—	21329
2012-13	—	—	—	17980

Note: The prices are exclusive of excise duty and other taxes.  
No production of Styrene Butadiene rubber(1500/1502/1712/1958 grades) since July 1999.

Source: M/s. Synthetics & Chemicals Ltd. and M/s Reliance Industries Ltd.

TABLE - 32

**DISTRIBUTION OF MANUFACTURERS ACCORDING TO THEIR TOTAL  
CONSUMPTION OF RUBBER**  
(Tonnes)

Consumption Group	2004-05						2005-06					
	No. of Manufacturers	CONSUMPTION				No. of Manufacturers	CONSUMPTION					
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total		
A	1868	12603	3501	713	16817	1838	10573	2638	681	13892		
B	1822	67846	16542	4363	88751	1861	66825	16077	4135	87037		
C	621	43486	11421	4929	59846	641	42439	11805	4924	59168		
D	381	95318	40949	21278	157545	388	98940	41680	20523	161143		
E	46	25267	5059	2500	32826	50	31129	4269	2421	37819		
F	62	510875	147178	39122	697175	62	551204	161026	43851	756081		
Total	4800	755405	224650	72905	1052360	4840	801110	237495	76535	1115140		

Consumption Group	2006-07						2007-08					
	No. of Manufacturers	CONSUMPTION				No. of Manufacturers	CONSUMPTION					
		Natural	Synthetic	Reclaimed	Total		Natural	Synthetic	Reclaimed	Total		
A	1627	10464	1394	466	12314	1616	10519	1605	435	12559		
B	1827	68815	14587	3363	86765	1798	64910	11696	3854	80460		
C	667	46169	11505	4785	62459	679	49712	9652	4434	63798		
D	417	107804	39460	21424	168688	425	104610	41020	22661	168291		
E	48	28326	3312	2126	33764	57	31423	4169	3942	39534		
F	64	538727	200582	46271	805580	66	600281	229013	47839	877133		
Total	4650	820305	270830	78435	1169570	4641	861455	297155	83165	1241775		

Note : Regarding Consumption Group, see page 37.

TABLE - 32 (Cont.)

Consumption Group	2008-09					No. of Manufacturers	2009-10				
	CONSUMPTION				Total		Natural	CONSUMPTION		Total	
	Synthetic	Reclaimed	Synthetic	Reclaimed							
A	1661	10120	1408	385	11913	1672	9160	1960	457	11577	
B	1759	59884	11481	3300	74665	1645	44850	9313	3966	58129	
C	645	43640	10475	3973	58088	599	37593	11393	5589	54575	
D	422	105566	43584	22124	171274	467	102640	41685	19663	163988	
E	59	32922	5792	4153	42867	63	35129	7168	5951	48248	
F	71	619598	220210	52095	891893	82	701193	276191	56624	1034008	
Total	4617	871720	292950	86030	1250700	4528	930565	347710	92250	1370525	

Consumption Group	2010-11					No. of Manufacturers	2011-12p				
	CONSUMPTION				Total		Natural	CONSUMPTION		Total	
	Synthetic	Reclaimed	Synthetic	Reclaimed							
A	1607	8930	1620	615	11165	1602	8460	1705	680	10845	
B	1545	47585	10210	5065	62860	1580	40850	9695	7375	57920	
C	595	38320	10450	6110	54880	580	38325	10825	7015	54165	
D	477	107745	38820	20290	166855	485	107955	36950	21340	166245	
E	56	34985	7685	5975	48645	62	36785	7960	8070	52815	
F	76	710150	343045	62235	1115430	77	734040	356215	57955	1148210	
Total	4356	947715	411830	100290	1459835	4386	964415	423350	102435	1490200	

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 - 34

## PRODUCTION OF TYRES

(000 numbers)

Year	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
Truck & Bus	11092	11941	12367	13137	12839	14811	15668	16065	16532
Tractor	2815	3113	3873	3834	3915	4923	5423	5667	5631
Car <sup>e</sup>	13324	14877	15631	17904	18039	21449	27701	28736	32075
L.C.V. / S.C.V.	3945	4529	4820	5320	5298	5739	6029	6688	8203
Motor Cycles	18127	21063	26079	27921	30148	35664	43118	44857	43199
Scooter <sup>*</sup>	10116	9574	9643	11604	10883	13557	20140	22195	15886
O.T.R.	89	106	115	141	136	161	191	196	362
Others <sup>a</sup>	574	839	1016	1142	849	832	927	974	889
Total	60082	66032	73544	81103	82107	97136	119197	125398	122777

<sup>a</sup>: includes A.D.V. and Industrial<sup>\*</sup>: including Moped<sup>e</sup>: including Jeep

L.C.V.: Light Commercial Vehicle

S.C.V.: Small Commercial Vehicle

O.T.R.: off-the-road

A.D.V.: Animal Drawn Vehicle

Source: Automotive Tyre Manufacturers' Association, New Delhi

TABLE - 35

## PRODUCTION OF TUBES

(000 numbers)

Year	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
Truck & Bus	9439	10522	11257	12016	11911	14142	14990	15404	15213
Tractor	1053	1232	1425	1443	1333	1970	2006	2149	1782
Car <sup>a</sup>	6987	8056	9641	12906	12164	11352	10873	10220	10464
L.C.V. / S.C.V.	3100	3775	4156	4147	4213	4912	5232	5417	6755
Motor Cycles	18671	22263	28067	30817	31527	37095	43156	45092	51303
Scooter <sup>a</sup>	6786	7271	7461	9128	8242	11610	16321	17177	14514
O.T.R.	26	38	48	60	60	68	97	112	87
Others <sup>a</sup>	211	264	321	293	263	299	272	266	229
Total	46273	53421	62376	70810	69733	81448	92947	95837	100347

\* : includes A.D.V. and Industrial

\* : including Moped

\* : including Jeep

L.C.V. : Light Commercial Vehicle

S.C.V. : Small Commercial Vehicle

O.T.R. : off-the-road

A.D.V. : Animal Drawn Vehicle

Source: Automotive Tyre Manufacturers' Association, New Delhi

TABLE - 36

**AUTOMOBILE PRODUCTION AND EXPORT**

(000 numbers)

**Automobile Production Trends**

Category	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
Passenger Vehicles	1545	1777	1838	2357	2983	3146	3233
Commercial Vehicles	520	549	417	568	761	929	832
Three Wheelers	556	501	497	619	799	879	840
Two Wheelers	8467	8027	8420	10513	13349	15428	15721
<b>Total</b>	<b>11088</b>	<b>10854</b>	<b>11172</b>	<b>14057</b>	<b>17892</b>	<b>20382</b>	<b>20626</b>

**Automobile Export Trends**

Category	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
Passenger Vehicles	196	218	336	446	444	509	555
Commercial Vehicles	50	59	43	45	74	92	80
Three Wheelers	144	141	148	173	270	362	303
Two Wheelers	620	820	1004	1140	1532	1975	1961
<b>Total</b>	<b>1012</b>	<b>1238</b>	<b>1531</b>	<b>1804</b>	<b>2320</b>	<b>2938</b>	<b>2899</b>

Source: Society of Indian Automobile Manufacturers, New Delhi



TABLE - 37

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

Products	2006-07				2007-08				2008-09			
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	Total
1. Auto tyres & tubes*	444928	159216	18431	622575	470619	179620	20513	670752	482575	175809	21955	680339
2. Cycle tyres & tubes	92587	21588	22649	136824	97680	20842	24689	143311	96282	20845	23705	140832
3. Camel back	40514	13370	4837	58721	41057	13320	4682	59059	46953	11150	4498	62601
4. Footwears	65617	40760	7025	113402	69817	45383	6905	122105	68325	45950	8325	122600
5. Belts and hoses	43136	12095	5534	60765	46045	13005	6328	65378	48863	11455	6960	67278
6. Latex foam	36410	—	—	36410	39522	—	—	39522	38445	—	—	38445
7. Cables and wires	1589	2074	988	4651	1640	2188	940	4768	1550	1984	955	4489
8. Battery boxes	1750	2855	10463	15068	1731	2949	10552	15232	1685	2819	9885	14369
9. Dipped goods	36495	—	—	36495	38417	—	—	38417	38720	—	—	38720
10. Others	57279	18872	8508	84659	55927	19748	8556	84231	48342	22338	9747	81027
Total	820305	270830	78435	1169570	861455	297155	83165	1241775	871720	292950	86030	1250700

\*: Includes Tractor, Aero, ADV and Off-the-road  
NR - Natural Rubber, SR - Synthetic Rubber & RR - Reclaimed Rubber.

Chart 11  
TOTAL CONSUMPTION OF RUBBER  
ACCORDING TO END PRODUCTS 2011-12

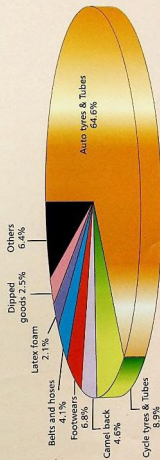




Chart 12  
CONSUMPTION OF NR  
ACCORDING TO END PRODUCTS 2011-12

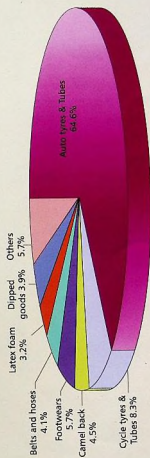




TABLE - 37 (Cont.)

Products	2009-10				2010-11				2011-12p			
	NR	SR	RR	Total	NR	SR	RR	Total	NR	SR	RR	Total
1. Auto tyres & tubes*	561610	228175	29720	819505	589760	285540	33890	909190	623010	303210	37185	963405
2. Cycle tyres & tubes	89085	24965	25355	139405	87050	25190	27640	139880	80290	24510	27130	131930
3. Camel back	45140	15625	5385	66150	43680	15700	6115	65495	43415	18350	5980	67745
4. Footwears	66355	46160	8980	121375	62480	44910	8955	116345	54740	37720	8840	101300
5. Belts and hoses	46170	13735	7940	67845	43570	16720	7550	67840	39355	15125	6870	61350
6. Latex foam	39465	—	—	39465	37765	—	—	37765	31260	—	—	31260
7. Dipped goods	40310	—	—	40310	38925	—	—	38925	37755	—	—	37755
8. Others <sup>e</sup>	42430	19050	14990	76470	44485	23770	16140	84395	54590	24435	16430	95455
Total	930565	347710	92250	1370525	947715	411630	100290	1459835	964415	423350	102435	1490200

<sup>e</sup>: include battery boxes, cables and wires.

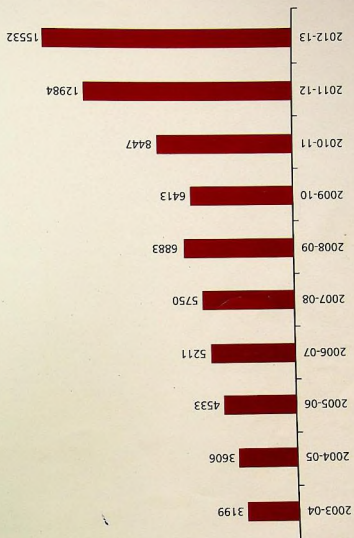
TABLE - 38

# **VALUE OF RUBBER PRODUCTS EXPORTED** (Rs Crore)

Products	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
1. Automobile tyres and tubes including tyre retreading materials	1752.69	2383.15	2832.31	3483.07	3584.93	3624.66	4830.25	7791.64	9428.03
2. Beltings	259.95	271.59	247.73	209.96	335.18	243.92	353.23	533.26	659.12
3. Cycle tyres and tubes	217.12	229.26	272.67	202.96	400.48	301.95	421.15	638.35	550.82
4. Hoses	110.00	123.52	148.39	145.00	162.13	136.67	234.16	346.05	370.10
5. Hygienic, medical & surgical articles including gloves	206.10	262.17	261.28	263.79	590.55	360.90	728.91	728.65	894.79
6. Rubber footwear with canvas upper	331.50	242.88	220.34	184.81	200.22	206.03	263.93	384.70	689.19
7. Rubber coats & aprons for textile industry	31.97	23.69	45.81	20.67	17.89	16.56	125.95	196.19	206.06
8. Rubber sheetings	166.11	233.66	318.37	352.38	404.56	444.44	338.60	458.76	448.72
9. Others	530.79	763.23	863.62	887.44	1186.95	1078.22	1151.24	1906.29	2285.36
<b>Total</b>	<b>3606.23</b>	<b>4533.15</b>	<b>5210.52</b>	<b>5750.08</b>	<b>6882.89</b>	<b>6413.35</b>	<b>8447.42</b>	<b>12983.89</b>	<b>15532.19</b>

Source : CAPEXIL, Kolkata and Council for Leather Exports, Chennai.

Chart 13  
VALUE OF RUBBER PRODUCTS EXPORTED  
(Rs. Crore)





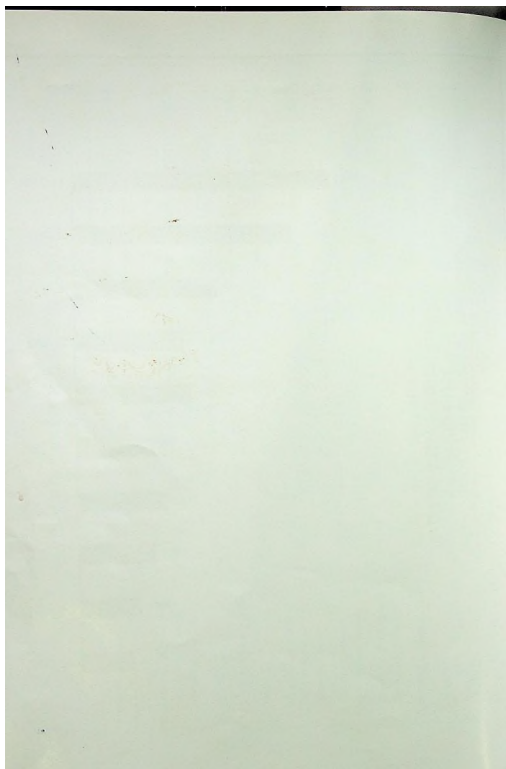


TABLE - 39

## QUANTITY AND VALUE OF RUBBER PRODUCTS IMPORTED

(Value in '000 Rs)

Products	Unit	2006-07		2007-08		2008-09								
		Quantity	Value	Quantity	Value	Quantity	Value							
1. TYRES														
Aircraft	Nos.	14005	349886	17655	546252	18844	593888							
Bicycle	"	185014	17358	148237	16278	215335	19130							
Motor car, Truck & Bus	"	2375008	4796434	2954782	7044976	3884903	8503201							
Tractor and other OTR	"	45246	293947	45884	261303	35851	639913							
Motor cycles & Scooters	"	103896	59577	172556	97594	43201	38330							
Solid/Cushion tyres														
Interchangeable tyre treads	Tonnes	16	7925	30	11841	28	13606							
Others			1009303		2329090		2475194							
Total		6534530		10307334		12283262								
2. TUBES														
Aircraft	Nos.	52	188	394	961	582	2886							
Bicycle	"	88530	4469	110323	2049	64998	4525							
Motor car, Truck and Bus	"	91460	42964	176282	64621	168144	70056							
Tractor and other OTR	"	8808	7406	1641	2925	82660	3211							
Motor cycle	"	69127	5241	131607	5442	135946	10570							
Others	"	9176	10345	58277	8740	10638	8809							
Total		70613		84738		100037								
3. FLAPS		Tonnes		190	31635	137	46013	150	38400					
4. HYGIENIC & PHARMACEUTICALS														
Contraceptives	Tonnes		271	105546	430	138720	3665	107902						
Others	"		236	98991	919	186593	382	156249						
5. BELTING														
Conveyor	Tonnes		5161	1192447	1425	693801	2147	838247						
Others	"		2598	1251972	3820	1527796	3621	1607312						
6. LATEX FOAM SPONGE								"	52	8998	89	15645	86	18705
7. EBONITE								"	1442	31395	1506	30590	637	35273
8. VULCANISED RUBBER								"	2146	170222	2610	196137	2472	243997
THREAD & CORD											13832748		17647562	
9. OTHER ARTICLES OF RUBBER									11551515					
Grand Total				21047864		27060115		33076945						

TABLE- 39 (Cont.)

Products	Unit	2009-10		2010-11		2011-12p	
		Quantity	Value	Quantity	Value	Quantity	Value
1. TYRES							
Aircraft	Nos.	17010	518100	23647	383259	24793	541765
Bicycle	"	86600	27038	498713	30853	1325867	85752
Motor car, Truck & Bus	"	4355877	11449325	7327901	17131964	6620991	16946121
Tractor and other OTR	"	111599	263153	77832	373899	30108	614053
Motor cycles & Scooters	"	354419	158742	1385918	537776	1012669	542691
Solid/Cushion tyres							
interchangeable tyre treads	Tonnes	87	9799	38	10826	434	37273
Others			1893939		2775885		4561615
Total			14320096		21244462		23329270
2. TUBES							
Aircraft	Nos.	677	2562	292	839	233	1077
Bicycle	"	234508	9715	662382	30311	3677492	109649
Motor car, Truck and Bus	"	268452	136208	339830	193955	323489	237912
Tractor and other OTR	"	13699	12215	44580	22010	94793	41410
Motor cycle	"	157233	6558	2723203	75984	1511823	61713
Others	"	27932	11268	48326	13500	88230	14390
Total			178526		336599		466151
3. FLAPS	Tonnes	227	58500	357	95509	489	187721
4. HYGIENIC & PHARMACEUTICALS							
Contraceptives	Tonnes	238	95446	221	63350	313	97703
Others	"	539	241647	612	247283	835	348877
5. BELTING							
Conveyor	"	3500	986160	1763	599663	5262	1350644
Others	"	4335	1672763	6336	2458714	7591	2890163
6. LATEX FOAM SPONGE							
	"	118	22399	114	29506	99	23706
7. EBONITE							
	"	1046	25112	605	32775	470	25027
8. VULCANISED RUBBER							
THREAD & CORD	"	2835	280273	2479	323011	2422	281884
9. OTHER ARTICLES OF RUBBER							
			18998083		25310678		33061780
Grand Total			36879005		50741550		62062926

Source: "Monthly Statistics of Foreign Trade of India (Annual number)", Published by DGC&S, Kolkata.

TABLE - 40

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

State/Union Territory	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Kerala	9051	9224	8930	8779	8559	8515	8422	8256	8055
Tripura	130	149	165	185	197	217	237	323	414
Tamil Nadu	200	211	203	212	233	245	240	252	266
Punjab*	147	137	130	124	119	124	121	125	132
Karnataka	126	119	117	117	121	118	109	120	129
Delhi	117	117	111	112	113	110	108	105	106
West Bengal	75	75	72	72	66	75	76	82	86
Maharashtra	92	89	80	86	85	80	81	77	83
Uttar Pradesh	67	68	63	63	66	71	68	76	71
Haryana	42	46	42	46	53	58	54	48	49
Assam	28	35	33	29	34	31	29	36	40
Gujarat	41	41	41	38	34	35	37	39	38
Rajasthan	23	20	20	20	24	22	24	23	25
Andhra Pradesh	7	9	6	7	6	6	7	9	8
Meghalaya	14	11	9	14	14	13	8	5	8
Madhya Pradesh	2	3	4	6	7	7	7	7	6
Andaman & Nicobar	1	1	4	4	4	4	4	5	6
Nagaland	3	2	2	1	1	1	1	0	4
Jharkhand**	3	5	4	5	5	5	4	2	3
Pondicherry	3	3	1	1	1	1	1	1	1
Odisha	1	1	1	1	2	2	2	1	1
Uttarakhand	0	5	5	5	5	0	0	0	0
Bihar	1	1	0	0	0	0	0	0	0
Goa, Daman & Diu	1	1	1	0	0	0	0	0	0
Others*	0	0	0	0	0	1	3	1	1
<b>Grand Total</b>	<b>10175</b>	<b>10373</b>	<b>10044</b>	<b>9927</b>	<b>9749</b>	<b>9741</b>	<b>9643</b>	<b>9593</b>	<b>9533</b>

\*: Including Chandigarh, \*\*: Upto 2003-04 included in Bihar. \*: Including Chattisgarh, \*: Including Jammu & Kashmir and Arunachal Pradesh

**TABLE - 41**  
**NUMBER OF LICENSED DEALERS IN DIFFERENT DISTRICTS IN KERALA STATE AT**  
**THE END OF EACH YEAR**

District	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Thiruvananthapuram	864	909	904	885	888	898	907	903	871
Kollam	1349	1411	1405	1412	1435	1377	1367	1314	1335
Pathanamthitta	1132	1197	1168	1149	1115	1091	1056	1040	986
Alappuzha	210	217	226	211	210	198	193	196	189
Kottayam	2206	2202	2076	2014	1877	1856	1820	1727	1629
Idukki	391	379	354	343	331	327	329	310	301
Ernakulam	1112	1108	1026	985	951	961	933	885	835
Thrissur	175	175	163	161	154	147	153	152	157
Palakkad	392	410	433	429	419	438	435	435	434
Malappuram	435	442	430	429	416	424	416	446	452
Kozhikode	182	171	160	159	146	154	154	152	151
Wynad	58	56	60	62	66	63	66	68	70
Kannur	464	460	431	437	439	457	466	491	495
Kasargod	81	87	94	103	112	124	127	137	150
<b>Total</b>	<b>9051</b>	<b>9224</b>	<b>8930</b>	<b>8779</b>	<b>8559</b>	<b>8515</b>	<b>8422</b>	<b>8256</b>	<b>8055</b>

TABLE - 42

# **AVERAGE DAILY EMPLOYMENT IN RUBBER PLANTATIONS**

Year	Numbers	Year	Numbers
1979	184320	1996	328900
1980	192578	1997	335450
1981	199775	1998	341320
1982	206790	1999	345200
1983	212613	2000	347700
1984	220434	2001	348700
1985	227780	2002	354300
1986	235351	2003	372770
1987	244477	2004	380320
1988	257742	2005	388050
1989	271601	2006	397000
1990	282674	2007	420000
1991	293108	2008	433000
1992	304618	2009	445000
1993	310800	2010	464000
1994	315900	2011p	478000
1995	322300	2012p	493000

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

TABLE - 43

# COLLECTION OF EXCISE DUTY AND MISCELLANEOUS RECEIPTS OF THE RUBBER BOARD

(Million Rs)

Year	Excise Duty on Rubber Collected	Sale of rubber from experiment stations	Sale of planting materials from nurseries	Others*	Total
1996-97	469.97	6.50	7.36	98.10	582.93
1997-98	482.03	5.74	8.04	113.50	609.31
1998-99	500.47	5.29	6.72	114.50	626.98
1999-00	755.63	12.30	6.70	126.63	901.26
2000-01	821.91	7.38	5.93	133.56	968.78
2001-02	811.37	7.81	5.27	66.20	890.65
2002-03	820.49	13.41	6.56	123.65	964.11
2003-04	850.07	18.54	6.51	83.52	958.64
2004-05	957.52	18.93	7.27	65.82	1049.54
2005-06	962.58	28.18	9.05	130.04	1129.85
2006-07	1012.20	37.14	9.81	129.40	1188.55
2007-08	975.50	38.52	12.75	133.54	1160.31
2008-09	1039.06	41.15	13.28	198.78	1292.27
2009-10	1001.81	19.44	13.36	149.97	1184.58
2010-11	1032.50	46.60	13.75	179.77	1272.62
2011-12	1010.13	36.80	21.51	182.04	1250.48
2012-13p	1282.83	40.23	27.08	187.43	1537.57

\* : Figures from 1996-97 include recovery of the cost of plantation inputs distributed through RPSs

TABLE - 44

## SCHEME-WISE EXPENDITURE OF THE RUBBER BOARD

(Rs. Crore)

Scheme	XI Plan (2007-12)		2012-13	
	Approved Outlay	Expenditure	Approved Outlay	Expenditure
Rubber Plantation Development	240.00	309.45	73.00	73.53
Rubber Research	60.00	85.94	21.00	24.49
Processing, Quality Upgradation & Product Development of rubber	44.00	27.42	5.50	5.67
Market Development and Export Promotion of rubber	44.00	33.57	7.75	7.38
Human Resource Development	42.00	45.61	9.75	10.05
Rubber Development in North Eastern region	150.00	163.37	34.00	35.79
Total	580.00	665.36	151.00	156.91



TABLE - 45

**PROGRESS IN DISTRIBUTION OF PLANTING MATERIALS**

(Distributed directly by the Rubber Board)

(In Numbers)

Year	Brown Budded Stumps	Green Budded Stumps	Root Trainer Cup	Poly Bags	Budwood *
1995	549162	527290	-	-	7168
1996	645553	405121	-	-	23050
1997	900489	402377	-	-	15216
1998	736954	248238	-	-	1754
1999	557807	187895	-	-	311
2000	630566	208283	-	-	2391
2001	435122	104944	-	-	34521
2002	667524	166208	-	-	47262
2003	374535	136598	-	-	40989
2004	487938	192825	-	-	60784
2005	596263	103460	-	-	60862
2006	536768	57371	-	-	59460
2007	481932	102319	-	-	41081
2008	574764	100110	-	-	66831
2009	284802	39840	-	-	34861
2010	396277	200245	-	-	101206
2011	591478	430064	-	-	80654
2012p	642270	375075	3532	6150	74037

\* : In Metres

TABLE - 46

## RUBBER MARKETED BY CO-OPERATIVE SOCIETIES

Year	No. of Societies	Rubber Marketed (Tonnes)	Year	No. of Societies	Rubber Marketed (Tonnes)
1981-82	54	11067	1997-98	288	62900
1982-83	58	11077	1998-99	295	63480
1983-84	59	11984	1999-00	272	80494
1984-85	60	12960	2000-01	281	101923
1985-86	62	21036	2001-02	285	103611
1986-87	116	24651	2002-03	286	120438
1987-88	116	25781	2003-04	293	106890
1988-89	118	31246	2004-05	291	74230
1989-90	118	30413	2005-06	293	88150
1990-91	125	29285	2006-07	279	73030
1991-92	146	48665	2007-08	270	58055
1992-93	146	34260	2008-09	267	38500
1993-94	219	50719	2009-10	263	34345
1994-95	231	55934	2010-11	264	40000
1995-96	262	60000	2011-12	265	48000
1996-97	269	62000	2012-13p	266	57000

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

TABLE - 47

## INDEX NUMBERS OF AGRICULTURAL PRODUCTION

(Base: Triennium ending 2007-08=100)

Crop	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
<b>A. Foodgrains</b>	<b>105.4</b>	<b>106.5</b>	<b>100.6</b>	<b>114.3</b>	<b>119.5</b>	<b>118.8</b>
(a) Cereals	105.5	107.4	100.2	111.1	119.1	116.4
Rice	102.9	105.6	94.8	102.2	112.1	111.1
Wheat	105.4	108.2	108.3	116.5	127.2	124.0
Coarse Cereals	112.1	110.0	92.3	118.9	114.8	109.3
(b) Total Pulses	105.1	102.0	102.3	129.3	121.3	130.0
Gram	97.5	119.8	126.8	139.5	130.7	150.6
<b>B. Non Foodgrains</b>	<b>108.6</b>	<b>107.6</b>	<b>105.0</b>	<b>128.1</b>	<b>131.3</b>	<b>127.3</b>
(a) Total Oilseeds	108.6	100.8	88.9	116.8	106.5	107.7
Groundnut	125.0	97.6	73.9	112.5	94.8	64.6
Rapeseed and Mustard	81.8	100.9	92.6	114.6	92.6	109.6
(b) Fibres	115.9	99.7	107.5	147.7	157.6	152.2
Cotton	100.5	94.7	110.4	98.4	105.6	105.0
Jute	105.5	77.9	62.5	65.1	70.6	65.6
Mesta						
(c) Plantation Crops						
Tea	95.9	98.8	100.7	96.2	99.2	99.2
Coffee	95.4	95.5	105.4	108.9	114.3	114.3
Rubber	99.8	104.5	100.5	104.2	109.3	110.5
(d) Others						
Sugarcane	106.1	86.8	89.0	104.3	110.0	103.3
Tobacco	93.0	121.0	146.3	188.0	175.2	175.2
Potato	114.6	138.4	147.2	170.4	166.9	165.3
<b>C. ALL CROPS</b>	<b>107.0</b>	<b>107.0</b>	<b>102.8</b>	<b>121.1</b>	<b>125.3</b>	<b>123.0</b>

Source: Directorate of Economics &amp; Statistics, Department of Agriculture &amp; Cooperation and Rubber Board.

Chart 14  
MOVEMENT OF PRODUCTION INDICES  
(BASE: Triennium Ending 2007-08=100)

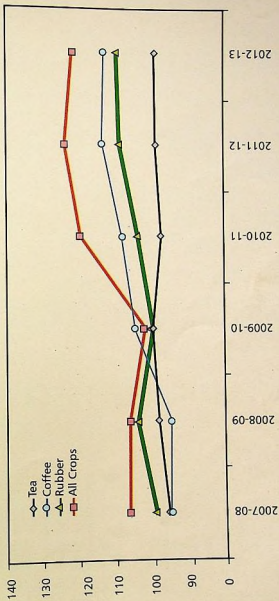




TABLE - 48

# **INDEX NUMBERS OF PRODUCTIVITY** (Base: Triennium ending 2007-08=100)

Crop	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
<b>A. Foodgrains</b>	104.2	105.5	100.6	109.5	114.8	117.1
<b>(a) Cereals</b>	104.5	105.7	100.7	108.1	115.3	115.5
Rice	102.6	101.5	99.1	104.4	111.5	114.8
Wheat	103.4	107.2	104.7	110.2	117.2	115.0
Coarse Cereals	112.3	112.4	93.8	117.5	119.1	119.0
<b>(b) Total Pulses</b>	102.7	104.9	100.1	111.1	112.8	124.0
Gram	94.7	111.1	113.7	111.2	115.3	126.7
<b>B. Non Foodgrains</b>	105.2	101.4	100.6	112.3	112.7	110.5
<b>(a) Total Oilseeds</b>	110.3	99.0	93.8	115.7	109.3	109.9
Groundnut	123.5	98.4	83.8	119.4	111.9	84.3
Rapeseed and Mustard	93.1	106.3	109.9	110.2	104.1	114.7
<b>(b) Fibres</b>	111.7	96.2	96.4	119.4	117.5	115.4
Cotton	97.4	95.1	107.4	100.4	103.0	106.0
Jute	102.5	96.0	94.3	93.8	104.9	111.7
Mesta						
<b>(c) Plantation Crops</b>	97.7	100.6	102.5	100.0	101.1	101.1
Tea	84.3	83.1	90.5	93.4	95.7	95.7
Coffee	98.6	102.3	97.3	99.0	100.9	99.4
Rubber						
<b>(d) Others</b>	100.8	94.4	102.4	102.5	104.8	97.9
Sugarcane	97.0	112.5	120.4	138.6	136.9	136.9
Tobacco	109.1	112.0		135.3	129.5	126.1
Potato						
<b>C. ALL CROPS</b>	104.7	103.4	100.6	111.0	113.7	113.6

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation and Rubber Board.

TABLE - 49

## GROSS DOMESTIC PRODUCT AND CONSUMER PRICE INDEX

Year	Gross Domestic Product at factor cost (Rs Crore)	Annual growth rate (%)	Year	All India Consumer Price Index* (Base 1986-87=100)
<b>At 1999-2000 prices</b>				
1989-90	1029178	6.1	1989-90	127
1990-91	1083572	5.3	1990-91	136
1991-92	1099072	1.4	1991-92	163
1992-93	1158025	5.4	1992-93	183
1993-94	1223816	5.7	1993-94	189
1994-95	1302076	6.4	1994-95	212
1995-96	1396974	7.3	1995-96	237
1996-97	1508378	8.0	1996-97	256
1997-98	1573263	4.3	1997-98	264
1998-99	1678410	6.7	1998-99	293
1999-00	1786526	6.4	1999-00	306
2000-01	1864301	4.4	2000-01	305
2001-02	1972606	5.8	2001-02	309
2002-03	2048286	3.8	2002-03	319
2003-04	2222758	8.5	2003-04	331
<b>New Series at 2004-05 prices</b>				
2004-05	2967599	7.5	2004-05	340
2005-06	3249130	9.5	2005-06	353
2006-07	3564364	9.7	2006-07	380
2007-08	3896636	9.3	2007-08	409
2008-09	4158676	6.7	2008-09	451
2009-10	4516071	8.6	2009-10	513
2010-11	4937006 <sup>2R</sup>	9.3	2010-11	564
2011-12	5243582 <sup>1R</sup>	6.2	2011-12p	611
2012-13	5503476 <sup>AE</sup>	5.0	2012-13p	672

\*: For Agricultural Labourers

Source: Economic Survey and Labour Bureau, Govt. of India

1R: 1<sup>st</sup> Revised Estimates, 2R: 2<sup>nd</sup> Revised Estimates, AE: Advance Estimates

TABLE - 50

## INDEX NUMBERS OF WHOLESALE PRICES OF SELECTED COMMODITIES

(Base: 2004-05 = 100)

Commodities	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13p
All Commodities	116.6	126.0	130.8	143.3	156.1	167.6
Food - grains	130.9	145.3	166.4	174.4	180.7	207.1
Fruits & Vegetables	124.6	134.9	147.8	172.1	183.2	198.4
Condiments & Spices	142.9	151.2	182.7	244.0	237.5	209.5
Oil seeds	113.2	131.2	135.0	141.3	158.8	198.0
Minerals	152.8	186.5	202.9	253.3	320.7	346.9
Electricity	106.2	106.4	107.4	113.2	115.0	128.8
Edible Oils	118.0	121.6	114.4	120.6	135.7	148.1
Tea & Coffee processing	108.7	125.1	144.8	149.8	156.6	163.3
Textiles	101.5	103.2	106.7	119.6	128.5	131.4
Leather & Leather Products	116.0	122.3	128.4	127.1	130.0	134.2
Raw Rubber	163.8	182.7	205.7	338.7	375.0	318.3
Rubber & Plastic Products	112.2	117.3	118.2	126.1	133.6	137.5
Tyres & Tubes	119.9	125.9	130.1	146.5	161.2	163.1
Plastic Products	109.5	113.8	113.4	119.1	122.5	127.0
Rubber Products	113.8	120.7	122.4	129.5	143.6	147.4
Chemicals & Chemical Products	112.8	118.1	117.8	124.0	134.7	143.6
Fertilizers & Pesticides	106.4	107.4	108.5	116.3	129.8	144.7
Motor Vehicles	105.3	110.1	111.6	113.8	117.0	122.9

Source: "Index number of wholesale prices in India", Published by the Office of Economic Adviser, Ministry of Commerce &amp; Industry, Govt. of India.



## WORLD RUBBER STATISTICS

**TABLE - 51**

### AREA UNDER RUBBER IN MAIN PRODUCING COUNTRIES-2011

(In '000 Hectares)

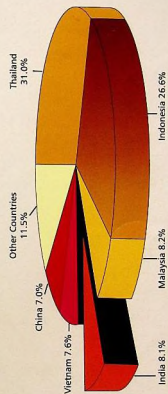
Country	Holdings	Estates	Total
Indonesia	2935	521	3456
Thailand	NA	NA	2765
Malaysia	959	64	1023
China	NA	NA	1070
India	664	71	735
Vietnam	456	378	834
Myanmar	NA	NA	505
Nigeria	121	61	182
Brazil	NA	NA	185
Cote d'Ivoire	140	50	190
Sri Lanka	NA	NA	129
Philippines	NA	NA	145
Cameroon	NA	NA	52

Note : Estate area refers to holdings of 40 ha and over except for India where it refers to holdings of over 10 ha

NA : Not available

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

Chart 15  
SHARE OF INDIA IN WORLD PRODUCTION OF NR 2012



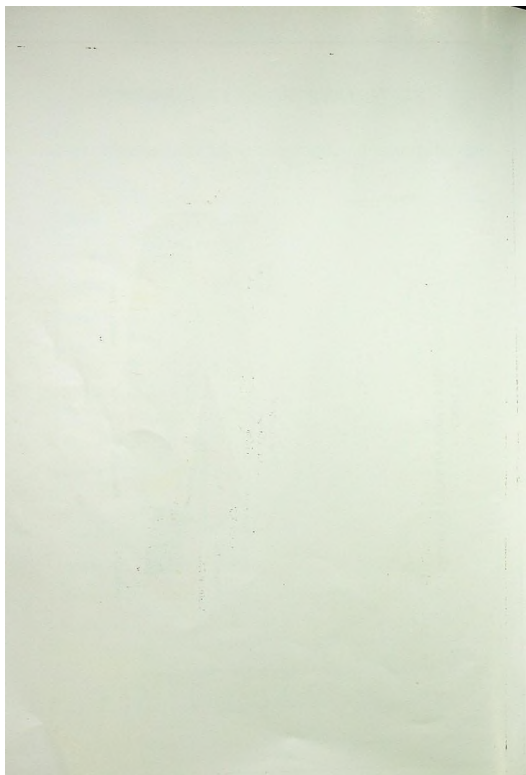


TABLE - 52

## PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES

('000 Tonnes)

Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012p
Thailand	2615	2876	2984	2937	3137	3056	3090	3164	3252	3394	3512
Indonesia	1630	1792	2066	2271	2637	2755	2751	2440	2736	2982	3015
Malaysia	890	986	1169	1126	1284	1200	1072	857	939	996	923
India	641	708	743	772	853	811	881	820	851	893	919
Vietnam	331	364	419	482	555	606	660	711	752	812	864
China	527	565	573	510	533	590	560	644	687	727	795
Sri Lanka	91	92	95	104	109	118	129	137	153	158	152
Brazil	89	94	101	107	108	116	123	129	136	166	172
Philippines	76	84	78	80	88	101	103	98	99	106	111
Liberia	109	107	115	111	94	121	85	60	62	65	64
Cambodia	43	32	34	30	32	33	37	34	42	51	61
Nigeria	42	38	45	40	41	42	49	45	54	55	56
Others*	253	282	322	337	460	516	558	584	630	650	683
World	7337	8020	8744	8907	9931	10065	10098	9723	10393	11055	11327

Italics : Estimated, \*: Countries not reported separately

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE - 53

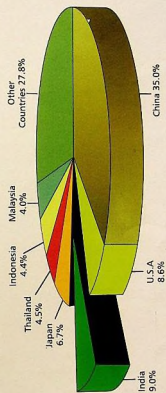
# CONSUMPTION OF NATURAL RUBBER IN MAIN CONSUMING COUNTRIES

(000 Tonnes)

Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012p
China	1395	1538	2000	2275	2789	2843	2947	3384	3668	3622	3853
U.S.A.	1111	1079	1144	1159	1003	1018	1041	687	926	1029	950
India	680	717	745	789	815	851	881	905	944	958	988
Japan	749	784	815	857	874	887	878	636	749	772	733
Malaysia	408	421	403	387	383	450	469	470	458	402	441
Indonesia	145	156	196	221	352	383	412	352	421	441	488
Thailand	278	299	319	335	321	374	398	399	459	480	490
Rep. of Korea	326	333	352	370	364	377	358	330	384	402	396
Brazil	233	256	285	302	294	345	357	279	378	382	343
Germany	247	258	242	259	269	282	247	175	291	276	243
France	226	218	230	230	220	220	200	109	136	163	140
Spain	181	188	192	186	189	195	178	125	174	165	144
Canada	155	146	146	156	145	138	138	103	146	144	138
Italy	134	138	151	154	152	145	134	89	110	115	93
Taiwan	107	115	120	114	100	115	97	90	112	104	102
U.K.	76	91	86	82	68	91	77	44	57	67	45
Russian Fed.	19	32	29	34	41	42	39	25	49	57	64
Others*	1084	1183	1261	1295	1301	1402	1341	1129	1308	1384	1354
World	7554	7952	8716	9205	9660	10158	10192	9331	10770	10963	11005

Italics : Estimated. \* : Countries not reported separately.  
Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

Chart 16  
SHARE OF INDIA IN WORLD CONSUMPTION OF NR 2012



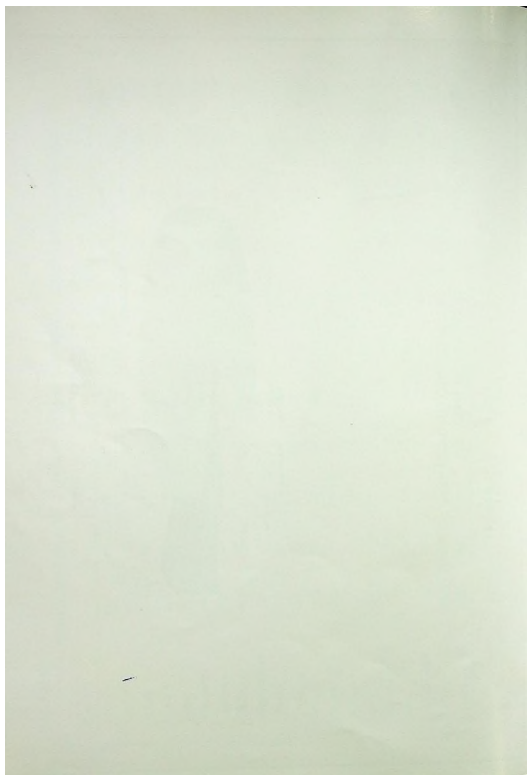


TABLE - 54

## COUNTRY-WISE IMPORT OF NATURAL RUBBER

('000 Tonnes)

Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012p
China	915	1150	1206	1454	1912	1939	1997	2499	2590	2665	3176
U.S.A.	1126	1120	1156	1170	1012	1029	1052	705	831	1049	969
Japan	772	792	801	849	886	850	849	596	747	785	700
Rep. of Korea	326	342	352	371	365	378	359	332	388	402	397
Germany	286	283	270	282	296	330	282	239	392	412	356
Brazil	144	162	184	195	179	221	235	152	249	223	181
France	254	236	244	246	236	243	223	137	176	197	169
Spain	186	191	194	193	195	203	185	130	178	172	147
Canada	155	148	152	160	150	144	143	106	150	148	144
Italy	146	149	159	159	161	160	145	95	118	132	107
Turkey	95	109	120	130	133	145	138	106	132	146	127
Taiwan	106	115	120	115	102	116	99	90	115	106	105
U.K.	94	99	100	96	80	103	90	53	71	84	60
India	26	46	63	62	50	113	81	160	199	160	251
Mexico	67	74	76	79	75	72	70	59	75	71	82
Argentina	26	34	36	41	41	36	34	34	38	36	41
Others*	671	723	888	944	1893	1968	1760	1807	1885	2043	2302
World	5375	5773	6131	6546	7766	8053	7742	7300	8434	8831	9313

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore



TABLE - 55

# COUNTRY - WISE EXPORT OF NATURAL RUBBER

('000 Tonnes)

Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012p
Thailand	2354	2574	2637	2632	2772	2704	2675	2726	2866	2930	2911
Indonesia	1502	1661	1875	2025	2290	2416	2297	2061	2369	2566	2525
Malaysia	887	947	1106	1143	1285	1213	1155	1088	1245	1240	1291
Vietnam	455	432	513	554	704	716	659	731	782	817	1023
Liberia	109	107	115	111	94	121	85	60	62	65	64
India	44	63	72	60	71	29	77	16	22	45	15
Cambodia	40	36	32	28	25	25	15	36	43	45	62
Sri Lanka	36	35	40	32	46	50	46	54	50	42	37
Nigeria	24	22	29	25	24	25	26	32	39	42	43

Italics : estimated

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE - 56

# PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES ('000 Tonnes)

Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012p
U.S.A.	2164	2270	2289	2312	2569	2658	2275	1962	2322	2498	2311
China	1133	1272	1478	1632	1845	2215	2325	2856	3100	3490	3820
Japan	1522	1577	1616	1627	1607	1655	1651	1303	1595	1611	1627
Russian Federation	919	1070	1116	1146	1219	1210	1173	1125	1379	1447	1476
Rep. of Korea	685	710	720	770	848	1010	970	1149	1219	1369	1459
Germany	869	888	905	855	848	774	761	716	809	858	838
France	681	718	776	855	664	655	566	465	568	611	577
Taiwan	523	529	561	548	575	628	590	606	639	632	638
Brazil	384	407	429	416	418	425	392	385	416	417	390
U.K.	337	327	351	344	305	318	302	248	238	240	240
Italy	250	244	235	233	235	235	220	200	237	239	208
Mexico	182	180	188	182	186	204	198	164	190	204	190
Netherlands	176	178	180	186	192	194	177	166	150	160	137
Poland	82	85	104	104	120	123	114	112	151	162	166
India	78	86	95	96	101	104	99	104	109	111	110
Canada	136	74	120	118	116	132	135	107	136	149	130
Belgium	104	104	108	106	107	107	94	104	130	126	133
Others*	652	624	706	743	747	739	708	643	737	779	735
World	10877	11341	11977	12073	12702	13386	12750	12415	14125	15103	15185

Italics : Estimated, \* : Countries not reported separately

Source : Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE - 57

# CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES

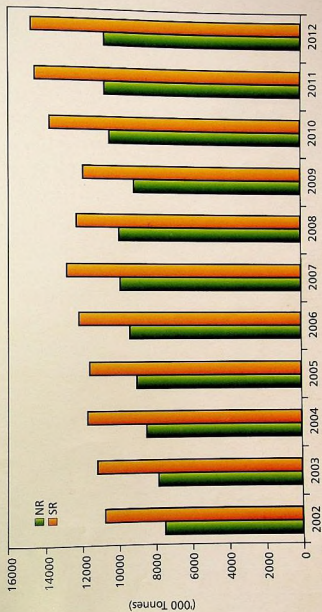
('000 Tonnes)

Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012p
<b>China</b>	1941	2193	2467	2568	3038	3537	3430	4230	4442	4654	5069
<b>U.S.A.</b>	1895	1926	1907	2002	2001	1890	1695	1448	1732	1867	1786
<b>Japan</b>	1096	1111	1146	1156	1171	1162	1138	832	989	979	958
<b>Brazil</b>	344	352	431	405	425	477	484	449	536	515	503
<b>Germany</b>	612	615	625	635	617	570	559	509	563	619	555
<b>Russian Federation</b>	551	619	597	568	572	597	533	528	687	699	754
<b>Rep. of Korea</b>	365	352	349	344	364	347	329	278	330	357	355
<b>France</b>	469	483	420	355	311	316	316	237	306	321	280
<b>India</b>	192	203	223	233	264	290	294	321	406	423	439
<b>Spain</b>	295	284	303	254	262	288	269	197	225	274	236
<b>Italy</b>	261	251	255	242	252	255	238	170	203	221	182
<b>Taiwan</b>	282	290	310	253	303	310	267	268	336	330	359
<b>Canada</b>	228	225	232	226	216	200	164	158	194	216	192
<b>Mexico</b>	132	140	146	145	154	162	149	131	145	188	184
<b>U.K.</b>	210	204	214	222	201	169	149	132	148	172	151
<b>Others*</b>	2004	2080	2252	2240	2268	2504	2465	2229	2734	2983	2986
<b>World</b>	<b>10877</b>	<b>11348</b>	<b>11877</b>	<b>11868</b>	<b>12419</b>	<b>13074</b>	<b>12509</b>	<b>12117</b>	<b>13986</b>	<b>14828</b>	<b>14969</b>

Italics : estimated, \* : countries not reported separately

Source: Rubber Statistical Bulletin, International Rubber Study Group, Singapore

Chart 17  
WORLD CONSUMPTION OF NR AND SR



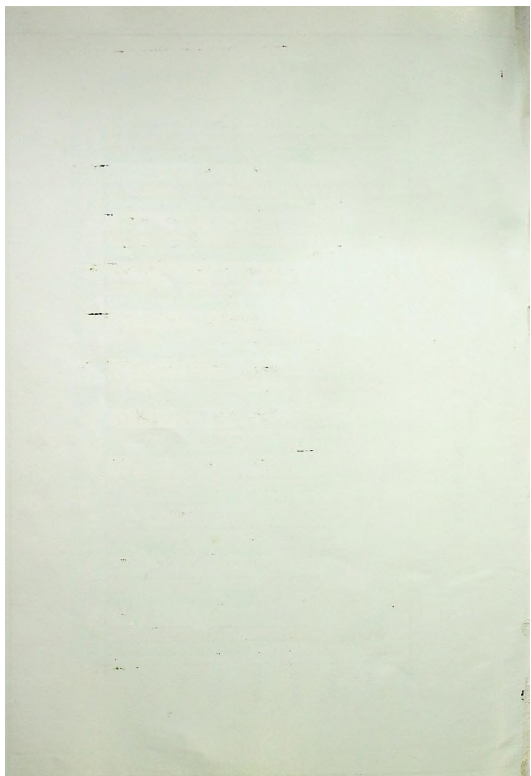


TABLE - 58

## PRODUCTION, CONSUMPTION AND STOCK OF NATURAL AND SYNTHETIC RUBBER

('000 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
1999	6870	6640	+230	2760	10340	10200	+140	2700
2000	6764	7313	-549	2247	10819	10764	+55	2700
2001	7252	7333	-81	1972	10483	10253	+230	2900
2002	7337	7554	-217	1976	10877	10877	0	2731
2003	8020	7952	+68	2020	11341	11348	-7	2748
2004	8744	8716	+28	2016	11977	11877	+100	2690
2005	8907	9205	-298	1718	12073	11868	+205	3070
2006	9931	9660	+271	1737	12702	12419	+283	3052
2007	10065	10158	-93	1640	13386	13074	+312	3365
2008	10098	10192	-94	1603	12750	12509	+241	3605
2009	9723	9331	+392	2025	12415	12117	+298	3903
2010	10393	10770	-377	1650	14125	13986	+139	4042
2011	11055	10963	+92	1758	15103	14828	+275	4318
2012p	11327	11005	+322	2080	15185	14969	+216	4534

Source: Rubber Statistical Bulletin, International Rubber Study Group, Singapore

TABLE - 59

# ESTIMATED PER CAPITA CONSUMPTION OF NATURAL AND SYNTHETIC RUBBER

(Kilogram)

Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012p
Japan	14.48	14.80	15.32	15.77	16.04	16.14	15.75	11.51	13.58	13.46	13.28
Germany	10.42	10.56	10.29	10.88	10.97	10.76	10.16	8.67	10.45	10.93	9.85
Canada	12.24	11.61	11.65	11.88	11.15	10.24	8.88	7.73	9.80	10.04	9.39
U.S.A.	10.46	10.22	10.37	10.50	9.42	9.86	9.04	6.95	8.51	9.21	8.58
China	2.39	2.79	3.12	3.38	4.02	4.57	4.82	5.71	6.04	6.14	6.54
France	11.76	13.22	10.84	9.64	8.71	8.79	7.94	5.32	6.72	7.41	6.39
Italy	6.80	6.82	6.96	6.55	6.86	6.80	6.20	4.31	5.16	5.52	4.61
Brazil	3.32	3.40	3.76	3.81	3.79	4.35	4.37	3.78	4.79	4.48	4.21
U.K.	4.75	5.00	4.97	4.81	4.43	4.26	3.63	2.86	3.28	3.66	3.08
Australia	3.50	3.68	3.68	3.42	3.38	3.29	3.14	2.15	1.76	1.71	1.64
India	0.83	0.86	0.91	0.93	0.99	0.99	1.01	1.05	1.12	1.14	1.16
World	2.95	3.07	3.18	3.20	3.28	3.52	3.36	3.17	3.56	3.67	3.65

TABLE - 60

# INTERNATIONAL PRICE OF DIFFERENT GRADES OF NATURAL RUBBER

(F.O.B. price)

(Rs per 100 kg)

Year	RSS 1	RSS 2	RSS 3	RSS 4	RSS 5	SMR 20
2000-01	3089	2976	2958	2831	2770	2798
2001-02	2880	2812	2793	2660	2597	2623
2002-03	4143	3934	3915	3779	3715	4055
2003-04	5408	5340	5278	5244	5193	4992
2004-05	5880	5813	5751	5717	5667	5490
2005-06	7558	7490	7432	7399	7350	6868
2006-07	9920	9846	9779	9742	9687	9041
2007-08	9812	9740	9675	9639	9585	9308
2008-09	10544	10441	10379	10328	10253	9972
2009-10	-	11121	11113	11005	10855	10582
2010-11	19924	19630	19555	19506	19433	17600
2011-12	21095	21001	20915	20868	20798	19502
2012-13	17780	17674	17576	17523	17446	16089
2000	3123	3025	3007	2882	2822	2897
2001	2842	2750	2732	2600	2537	2574
2002	3767	3716	3696	3561	3497	3672
2003	5231	5163	5101	5067	5017	4688
2004	5963	5895	5833	5799	5749	5557
2005	6699	6632	6573	6540	6491	6148
2006	9647	9575	9510	9474	9420	8862
2007	9687	9515	9449	9413	9359	8939
2008	11405	11327	11255	11216	11158	10862
2009	-	9331	9317	9215	9072	8823
2010	-	16751	16694	16629	16536	15222
2011	22695	22604	22520	22474	22405	20815
2012	18384	18281	18186	18134	18057	16640

Note: (1) Prices of RSS grades upto 2002-03 refer to Kuala Lumpur market and from February 2009 to 3-5-2010 and then onwards to Bangkok market.  
(2) Price of SMR 20 refers to Kuala Lumpur market.

23728J  
Date: 12/11/18  
Initiate