



# भारतीय रबड़ सांख्यिकी

भाग 37, 2016

**Indian Rubber Statistics  
Volume 37, 2016**

सांख्यिकी एवं योजना विभाग  
द्वारा संकलित

**Compiled by:  
The Statistics & Planning Department**

## रबड़ बोर्ड

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)

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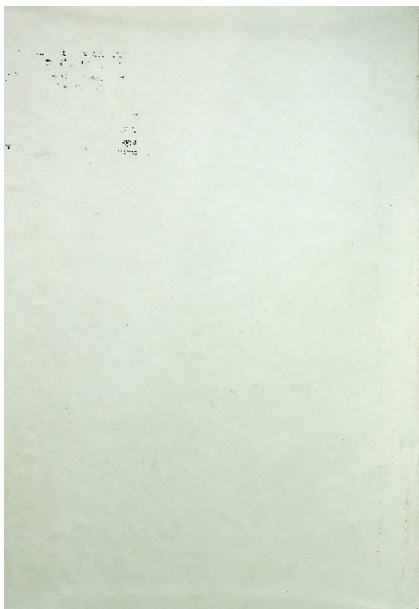
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## THE RUBBER BOARD

(Ministry of Commerce & Industry, Govt. of India)

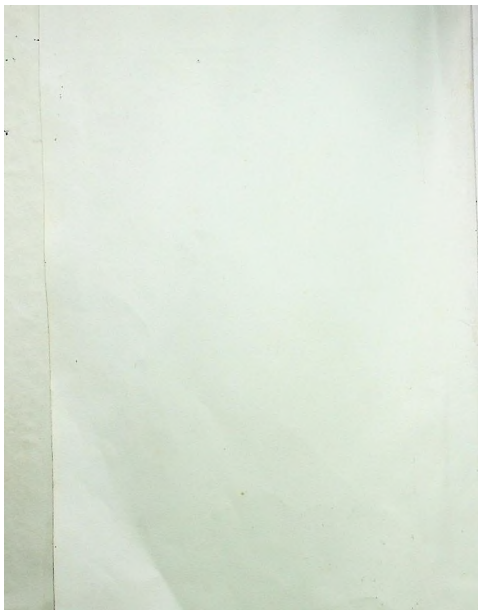
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Rubber Research Institute of India  
पुस्तक संख्या : PRA-7

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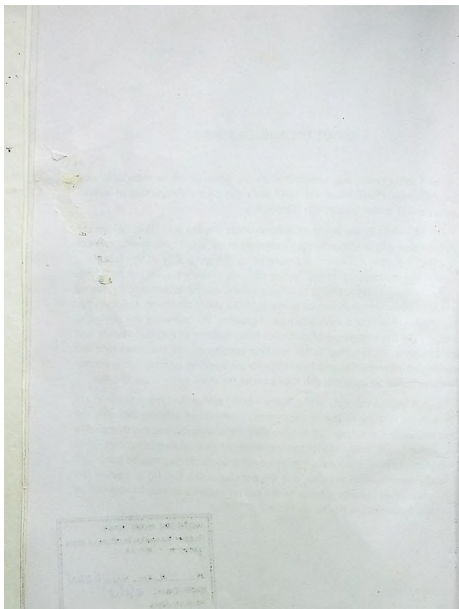
## ABOUT THE RUBBER BOARD

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.

भारतीय रबर संस्थान Rubber Research Institute of India पुस्तक संख्या: 101/101
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## PREFACE

It is a well known fact that one of the pre-requisites for effective and fruitful policy formulation is the availability of reliable and updated data. 'Indian Rubber Statistics' published by the Rubber Board endeavors to address the issues of data gaps and stresses the importance and need for continuous, comprehensive statistical data to meet needs in a timely manner. The 'Indian Rubber Statistics', 37<sup>th</sup> in the series, published after a gap of 2 years, presents the most comprehensive and annually updated data on rubber industry in India and covers wide range of fields like production, consumption, import, export, prices and related aspects pertaining to rubber industry. The data is collected through statistical surveys, returns and also through secondary sources.

Based on the recommendations of the Expert Committee constituted by Govt. of India, for improving the quality of data, the sampling techniques have been revised. In the new methodology, the entire mature population in a field office is divided into 3 strata based on age structure viz; 7-10 years, 10-20 years and greater than 20 years and the number selected in each strata is decided based on the composition of the strata in that particular area. A total number of 15 units are selected from the entire area under field office. Tapped area, production and productivity are computed strata-wise, field office-wise and aggregated into regional office-wise and state/national level. Apart from the above steps for improving the quality of data, Statistics Consultative Panel and Internal Statistics Monitoring Committee have also been constituted so as to have a coordinated effort in upgrading the quality and accuracy of data. The whole data has been presented and the Statistics Consultative Panel meeting held on 21-06-2016 unanimously agreed to publish the annual statistics for 2013-14, 2014-15 and 2015-16. For the sake of appreciating the 3 years data being published, the following comments are also offered.

1. For the year 2015-16, figures are arrived based on the new methodology for conducting survey as approved by Technical Sub Committee.

2. For the year 2014-15, the data is based on the survey conducted as per previous methodology.
3. No revision is made in the historical data of 2013-14 which is as per the old method of compilation.

The publication is designed to serve as a convenient volume for statistical reference and as a guide to the planners, policy makers, research workers, academicians and general public. Improvements are continuously made in this publication to enhance its value to users. It is, thus, firmly believed that the statistical information provided in this publication will be of immense help and interest to all stakeholders both at home and abroad.

All departments and industry organizations such as International Rubber Study Group (IRSG), Association of Natural Rubber Producing Countries (ANRPC), Directorate-General of Commercial Intelligence and Statistics (DGCI&S), Chemicals and Allied Products Exports Promotion Council (CAPEXIL), Automotive Tyre Manufacturers' Association (ATMA) and other stakeholders who have provided relevant information / data for this publication are gratefully acknowledged.

I would be glad to receive valuable comments and constructive suggestions from our users for further improvement of future issues of this publication of Rubber Board.

Kottayam,  
01.11.2016.



A. AJITH KUMAR, IAS  
CHAIRMAN

## IN RETROSPECT

### Production of NR

India occupies sixth position in global ranking in terms of production of Natural Rubber (NR), by accounting for 4.7 per cent of the total supply of 12.278 million tonnes of NR globally produced during the year ended December 2015. The country produced 562,000 tonnes of NR during the year 2015-16, down by 12.9 per cent from 645,000 tonnes produced in the previous year. Adverse weather, high wages, lack of skilled labourers and growers' reluctance in harvesting or maintaining trees in response to the low NR prices have affected the production of natural rubber (NR) in India during the year ended March 2016. Even though the tappable area under Natural Rubber was 558,900 ha during 2015-16, only an area of 391,000 ha has contributed to NR production during the year. Consequently, the average yield, measured in terms of production per hectare of tapped area, declined during the year to 1,437 kg/ha as against 1,443 kg/ha in the previous year. However, NR production in India is anticipated to increase by 16.4% to 654,000 tonnes in 2016-17.

Smallholders with an average holding size of about 0.56 ha, accounted for 91% of the planted area and 91.6% of production in India during 2014-15. The geographical region covering the State of Kerala and Kanyakumari District of the State of Tamil Nadu is considered the country's traditional rubber-growing region with reference to agro-climatic suitability. The region accounted for 71.8% of the area and 82.4% of production of natural rubber in India during 2015-16. The relative share of north-eastern region accounted for 21.1% of the area and 11.9% of production during the same year. The estates sector comprised 537 units and that accounted for 9% of the area and 8.4% of the production during 2014-15.

### Consumption Sector

India continued to occupy the second largest consumer of NR by accounting for 8.2% of the global demand of 12.146 million tonnes during the year ended December 2015. The domestic consumption of NR was 994,415 tonnes in 2015-16, down by 2.6% from the quantity of 1,020,910 tonnes consumed during 2014-15. This represents a 2.5 per cent fall in the dominant auto tyre manufacturing sector and 2.7 per cent fall in the general rubber goods sector. Auto-tyre manufacturing sector accounted for 66.7 per cent of the total quantity of NR consumed in the country during 2015-16. The table below shows the figures of consumption of NR and SR (Synthetic Rubber) in the auto-tyre sector and general rubber goods sector (GRG) respectively.

### Consumption of NR and SR in Auto-Tyre Sector and GRG Sector (Tonnes)

	2014-15	2015-16p	% change
<b>NR Total</b>	<b>1,020,910</b>	<b>994,415</b>	<b>-2.6</b>
Auto-tyre sector	680,849	663,495	-2.5
General rubber goods sector	340,061	330,920	-2.7
<b>SR Total</b>	<b>536,130</b>	<b>553,370</b>	<b>3.2</b>
Auto-tyre sector	367,798	377,090	2.5
General rubber goods sector	168,332	176,280	4.7

During 2016-17, consumption of NR in India is anticipated to rise by 3.4% to 1,028,000 tonnes.

### Trade in NR

As per data available from the Directorate General of Commercial Intelligence & Statistics, the country imported 458,374 tonnes of NR during 2015-16 as compared to 442,130 tonnes imported in the previous year.

The following steps were taken by the Government of India during the recent past to regulate import of NR.

**Reduction in export obligation period:-** Reduced the export obligation period to six months for NR, from the date of clearance of each consignment under Advance Authorisation/DFIA Schemes in January 2015.

**Enhancement of basic import duty:-** Import duty on dry forms of NR was raised from "20% or Rs 30 per kg whichever is lower" to "25% or Rs 30 per kg whichever is lower" with effect from 30 April 2015.

- i. **Port restriction:-** Import of Natural Rubber is allowed only through sea ports of Chennai and Nhava Sheva (Jawaharlal Nehru Port) with effect from 20 January 2016.
- ii. **Suspension of import under Advance Authorisation:-** Import of Natural Rubber was not allowed during the period from 21<sup>st</sup> January 2016 to 31<sup>st</sup> March 2016 under Advance Authorisations issued or revalidated on or after 21<sup>st</sup> January 2016.

The share of duty paid Imports undertaken during 2015-16 has increased to 77.9% from 76.5 % during 2014-15.

**Channel-wise Import of NR (Tonnes)**

<b>Channels of Import</b>	<b>2014-15</b>	<b>2015-16p</b>
Duty paid	338305	357060
Duty free	103825	101314
<b>Total</b>	<b>442130</b>	<b>458374</b>

Among the various source countries, Indonesia accounted for 46.3% of the total volume imported to India during 2015-16, followed by Thailand (24.4%) and Vietnam (19.6%). Of the various forms of NR imported during the year, 75.1% was technically specified rubber.

Unattractive relative prices prevailed in the international market kept exports of NR unattractive throughout the year under review. The volume of exports came down to 865 tonnes during 2015-16 from 1,002 tonnes a year ago. Government of India continued to provide incentives for exporting quality-endorsed branded Indian Natural Rubber under a Market Linked Focus Product Scheme.

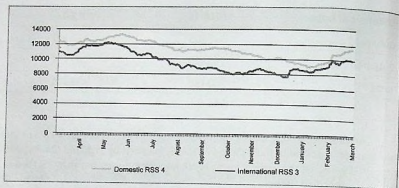
### **NR Prices**

Rubber prices, both in the domestic and international markets, had been moving in tandem throughout the year. But, domestic RSS-4 price was ruling above the international RSS-3 price throughout the year 2015-16. Domestic RSS-4 and international RSS-3 prices increased from April 2015 to June 2015 and then started decreasing from July 2015 to February 2016 and started slow recovery during the end of the year. Main reasons for the fall in rubber prices were the relatively slower economic growth in China, slow recovery in the US and Europe, enhanced stock in Thailand, increase in world stock of NR, relatively low oil prices and hence low synthetic rubber prices. The domestic RSS-4 price at Kottayam market came down and averaged at Rs.113.06 per kilogram during 2015-16 as compared to Rs.132.57 per kilogram during the previous year. Domestic RSS-4 price peaked at Rs.133.00 per kg on 17-6-2015 and international price of RSS-3 peaked at Rs.122.00 per kg on 3-6-2015. Domestic RSS-4 price was ruling above the international RSS-3 price throughout the year 2015-16.



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 year 2015-16.

**Daily prices of sheet rubber - 2015-16 (Rs/100 kg)**



### **Rubber Production Incentive Scheme of Government of Kerala**

The Government of Kerala launched "Rubber Production Incentive Scheme (RPIS)" in July 2015 for providing financial support to rubber growers. An amount of Rs 300 crore was set apart by the Government of Kerala for the scheme in the State Budget for 2015-16. The State Budget for 2016-17 has set aside Rs 500 crore for the scheme. Under the scheme, the difference between the Scheme Reference Price of Rs 150 per kg and the Daily Reference Price published by Rubber Board (daily market price) is credited to the bank account of the farmer directly on the basis of purchase bills. The Scheme is operated through Rubber Producers Societies (RPS) promoted by Rubber Board. The registration of rubber growers in the Scheme and endorsement of purchase bills are carried out by extension officers of Rubber Board to assist RPS in operating the scheme.

### **Synthetic Rubber Sector**

India produced 199,845 tonnes of synthetic rubber (SR) during 2015-16, up by 31.6 per cent on year. Butadiene rubber (BR) dominated the production with a 55.9 per cent share followed by styrene butadiene rubber (SBR) which accounted for 38.5 per cent of the production. SR consumption increased to 553,370 tonnes during 2015-16 registering a growth of 3.2% as against 536,130 tonnes consumed during 2014-15. The automotive tyre sector consumed 377,090 tonnes of SR during

2015-16 as against 367,798 tonnes during 2014-15, recording a growth of 2.5%. The relative share of consumption of NR and SR in India was 64:36 during 2015-16.

### World Rubber Situation – 2015

According to the International Rubber Study Group (IRSG), the world NR production increased by 1.2% to 12.278 million tonnes in 2015, compared to 12.136 million tonnes in 2014. During 2015, the output in main producing countries viz; Thailand, Vietnam and Malaysia increased, whereas production in Indonesia, China and India decreased during 2015. Under the IMF scenario available from International Rubber Study Group (IRSG) in 2016, the supply is expected to grow at a marginal rate of 0.9% in 2016 to 12.42 million tonnes.

**Production of NR in Major producing countries**  
(<sup>000 tonnes</sup>)

Country	2014 <sup>1</sup>	2015 <sup>1</sup>	% Growth
Thailand	4324	4473	3.4
Indonesia	3153	3145	-0.3
Vietnam	954	1017	6.6
China	840	794	-5.5
Malaysia	668	722	8.1
India	705	575	-18.4
Others	1492	1552	4.0
<b>World Total<sup>2</sup></b>	<b>12136</b>	<b>12278</b>	<b>1.2</b>

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

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

Source: *Rubber Statistical Bulletin*, Vol.71, No.1-3, July-September 2016 of International Rubber Study Group, Singapore.

Global NR consumption decreased to 12.146 million tonnes in 2015 registering a negative growth of 0.3% compared to 12.181 million tonnes in 2014. Consumption of NR in main consuming countries decelerated during 2015. Consumption of NR in China, India, Japan and Indonesia decreased by 2.6%, 2.2%, 2.5% and 5.7% respectively during 2015 on year. Whereas, NR consumption in Thailand, Malaysia and USA showed positive growth of 11.1%, 6.3% and 0.5% respectively during 2015 on year. The world NR demand is forecast to increase by a marginal rate of 1.3% in 2016, to 12.33 million tonnes under the IMF scenario available from IRSG.

**Country-wise consumption of NR**  
(<sup>'000 tonnes</sup>)

Country	2014 <sup>1</sup>	2015 <sup>1</sup>	% Growth
China	4804	4680	-2.6
India	1015	993	-2.2
U.S.A.	932	937	0.5
Japan	709	691	-2.5
Malaysia	447	475	6.3
Indonesia	540	509	-5.7
Thailand	541	601	11.1
South Korea	402	388	-3.5
Others	2791	2872	2.9
<b>World Total<sup>2</sup></b>	<b>12181</b>	<b>12146</b>	<b>-0.3</b>

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

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

Source: *Rubber Statistical Bulletin*, Vol.71, No.1-3, July - September 2016 of International Rubber Study Group, Singapore.

Coming to SR, the global production during 2015 was 14.460 million tonnes as against 14.179 million tonnes in 2014 registering an increase of 2.0%. Global SR consumption increased to 14.561 million tonnes during 2015 from 14.267 million tonnes during 2014, recording a growth of 2.1%. World NR and SR consumption ratio during 2015 was 45:55 and it was 46:54 during 2014.

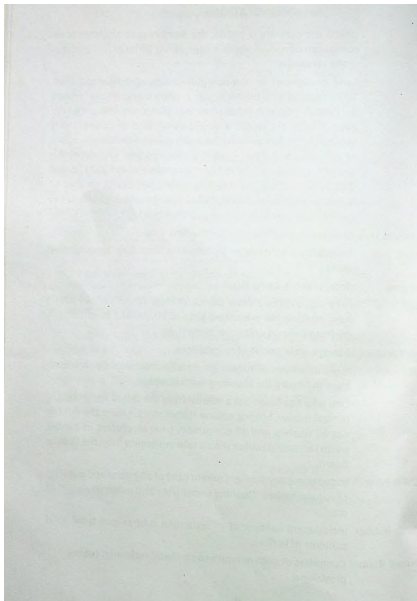
*Dr. B. Nair*

Kottayam  
28 October 2016

Remesh B Nair  
Joint Director  
Statistics & Planning Department

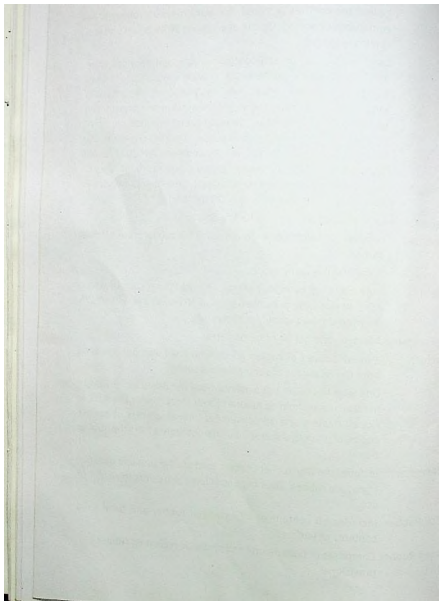
## CONNOTATIONS

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 mortgagee 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).
New planted 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.
Tappable area	Area occupied by rubber plants, at least 70 per cent of which have attained the prescribed girth of 50 cm, at a height of 125 cm from the bud union, for harvesting.
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



## CONTENTS

Table	Subject	Page
<b>1</b>	<b>NATURAL RUBBER IN INDIA</b>	
<b>1.1</b>	<b>AREA AND PRODUCTION</b>	
1	Area Annually Planted with Rubber	1
2	Total Rubber Area, Tappable and Tapped Area	1
3	Tapped Area, Production & Average Yield	1
4	State-wise Area under Rubber	2
5	Tapped Area, Production and Average Yield per hectare in different States	3
6	Number of Units and Area occupied by Holdings and Estates	3
7	District-wise Area & Production of Rubber in Kerala State	4
8	Production of different forms of NR	5
<b>1.2</b>	<b>CONSUMPTION</b>	
9	Consumption of different forms of NR	5
10	Tyre & Non-Tyre Consumption of NR	5
<b>1.3</b>	<b>IMPORT</b>	
11	Import of different forms of NR	6
12	Channel-wise Import of NR	6
13	Import of NR through different Ports	7
14	Import of NR according to Source Countries	7
<b>1.4</b>	<b>EXPORT</b>	
15	Quantity and Value of Export of NR	8
16	Type-wise Export of NR	8
17	Export of NR according to Destination Countries	8
18	Monthly Production and Consumption of NR	9
19	Monthly Import and Export of NR	9
<b>1.5</b>	<b>STOCK</b>	
20	Stock of Natural Rubber	10



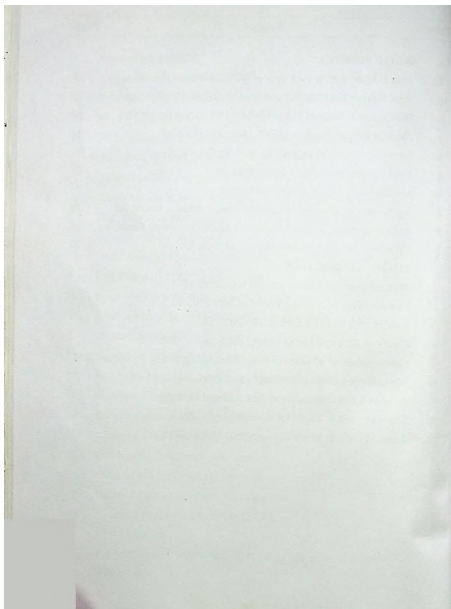
## CONTENTS

Table	Subject	Page
<b>1</b>	<b>NATURAL RUBBER IN INDIA</b>	
<b>1.1</b>	<b>AREA AND PRODUCTION</b>	
1	Area Annually Planted with Rubber	1
2	Total Rubber Area, Tappable and Tapped Area	1
3	Tapped Area, Production & Average Yield	1
4	State-wise Area under Rubber	2
5	Tapped Area, Production and Average Yield per hectare in different States	3
6	Number of Units and Area occupied by Holdings and Estates	3
7	District-wise Area & Production of Rubber in Kerala State	4
8	Production of different forms of NR	5
<b>1.2</b>	<b>CONSUMPTION</b>	
9	Consumption of different forms of NR	5
10	Tyre & Non-Tyre Consumption of NR	5
<b>1.3</b>	<b>IMPORT</b>	
11	Import of different forms of NR	6
12	Channel-wise Import of NR	6
13	Import of NR through different Ports	7
14	Import of NR according to Source Countries	7
<b>1.4</b>	<b>EXPORT</b>	
15	Quantity and Value of Export of NR	8
16	Type-wise Export of NR	8
17	Export of NR according to Destination Countries	8
18	Monthly Production and Consumption of NR	9
19	Monthly Import and Export of NR	9
<b>1.5</b>	<b>STOCK</b>	
20	Stock of Natural Rubber	10



Table	Subject	Page
<b>2</b>	<b>SYNTHETIC RUBBER</b>	
21	Type-wise Production of SR	11
22	Type-wise Consumption of SR	11
23	Production, Import, Consumption & Stock of SR	12
24	SR:NR Composition of Tyre & Non-Tyre Consumption	12
<b>3</b>	<b>NATURAL, SYNTHETIC &amp; RECLAIMED RUBBER</b>	
25	State-wise Consumption of all kinds of Rubber	13
26	Consumption of all kinds of rubber according to End Products	14
27	Distribution of Manufacturers according to their total Consumption of Rubber	15
28	Distribution of Manufacturers according to Consumption of NR	16
<b>4</b>	<b>PRICE OF RUBBER</b>	
29	Price of different Grades of Natural Rubber	17
30	Comparison of Domestic and International Prices of NR	18
<b>5</b>	<b>MISCELLANEOUS</b>	
31	Number of Licensed Dealers in different States	19
32	Number of Licensed Dealers in different Districts in Kerala state	19
33	Number of Licensed Manufacturers in different States	20
34	Category-wise Production of Tyres	21
35	Category-wise Production of Tubes	22
36	Automobile Production and Export	23
37	Value of Rubber Products Exported	24
38	Value of Rubber Products Imported	25
39	Financial Performance during 12 <sup>th</sup> Plan	26
40	Cess Collected	27
41	Production and Distribution of Planting Materials in Board's Nurseries	27

Table	Subject	Page
<b>6</b>	<b>WORLD STATISTICS</b>	
42	Area Planted during each year in ANRPC Member Countries	28
43	Total Rubber Area and Tapped Area in ANRPC Member Countries	29
44	Production of Natural Rubber in Main Producing Countries	30
45	Average Annual Yield in ANRPC Member Countries	31
46	Consumption of NR in Main Consuming Countries	32
47	Country-wise Import of Natural Rubber	33
48	Country-wise Export of Natural Rubber	34
49	Production of Synthetic Rubber in Main Producing Countries	35
50	Consumption of Synthetic Rubber in Main Consuming Countries	36
51	Estimated Per Capita Consumption of NR & SR	37
	<b>CHARTS AND DIAGRAMS</b>	
1	Production of different Forms of NR - 2015-16	
2	Consumption of different Forms of NR - 2015-16	
3	Import of different Forms of NR - 2015-16	
4	Export of different Forms of NR - 2015-16	
5	Consumption of all kinds of Rubber according to End Products - 2014-15	
6	Consumption of NR according to End Products - 2014-15	
7	Price of NR in Domestic and International markets	
8	Share of India in World Production of NR - 2015	
9	Share of India in World Consumption of NR - 2015	



# 1. NATURAL RUBBER IN INDIA

## 1.1 AREA AND PRODUCTION

TABLE - 1

AREA ANNUALLY PLANTED WITH RUBBER  
(Hectares)

Year	Newplanted	Replanted	Total
2013-14	21000	15000	36000
2014-15	17000	15000	32000
2015-16p	16000	15000	31000

TABLE - 2

TOTAL RUBBER AREA, TAPPABLE AND TAPPED AREA  
(Hectares)

Year	Total area	Tappable area	Tapped area
2013-14	778400	518100	475200
2014-15	795135	533675	446900
2015-16p	810800	558900	391000

TABLE - 3

TAPPED AREA, PRODUCTION & AVERAGE YIELD

Year	Tapped area (ha)	Production (Tonnes)	Yield (Kg/ha)
2013-14	475200	774000	1629
2014-15	446900	645000	1443
2015-16p	391000	562000	1437

TABLE - 4

**STATE-WISE AREA UNDER RUBBER**  
(Hectares)

State / Union Territory	2013-14	2014-15p
<b>Traditional Region</b>		
Kerala	548225	549955
Tamil Nadu	20890	20925
<b>Traditional Total</b>	<b>569115</b>	<b>570880</b>
<b>Non-Traditional (NT) Region</b>		
<b>a) North Eastern Region</b>		
Tripura	71370	75070
Assam	47945	51795
Meghalaya	13875	14775
Nagaland	11985	14235
Manipur	3755	3955
Mizoram	3150	3550
Arunachal Pradesh	3540	4065
<b>North East Total</b>	<b>155620</b>	<b>167445</b>
<b>b) Other Non-Traditional Region</b>		
Karnataka	47055	49210
A&N Islands	806	805
Goa	1163	1165
Maharashtra	2090	2310
Odisha	1141	1840
West Bengal	810	850
Andhra Pradesh	600	630
<b>Other NT Total</b>	<b>53665</b>	<b>56810</b>
<b>Total India</b>	<b>778400</b>	<b>795135</b>

TABLE - 5

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

State	Tapped Area (ha)		Production (Tonnes)		Yield (kg/ha)	
	2013-14	2014-15p	2013-14	2014-15p	2013-14	2014-15p
Kerala	382420	344325	648220	507700	1695	1474
Tamil Nadu	15200	15310	25000	23785	1645	1554
Tripura	31780	37020	39000	47000	1227	1270
Assam	11120	13730	13600	17310	1223	1261
Meghalaya	6500	6995	7570	8510	1165	1217
Karnataka	22850	23680	35230	34560	1542	1459
Other states	5330	5840	5380	6135	1009	1051
<b>Total India</b>	<b>475200</b>	<b>446900</b>	<b>774000</b>	<b>645000</b>	<b>1629</b>	<b>1443</b>

TABLE - 6

**NUMBER OF UNITS AND AREA OCCUPIED BY HOLDINGS AND ESTATES**

Year	Small holdings*		Estates	
	No. of Units (Million)	Area (ha)	No. of Units	Area (ha)
2013-14	1.27	706885	537	71515
2014-15	1.29	723600	537	71535
2015-16p	1.31	739200	537	71600
2016-17	1.32	746485	537	71515

\*: 'Small holdings' refer to rubber growing units having area upto 10 ha and all others are referred to as 'Estates'.

TABLE - 7

## DISTRICT-WISE AREA &amp; PRODUCTION OF RUBBER IN KERALA STATE

District	2013-14		2014-15p	
	Total Area (ha)	Production (Tonnes)	Total Area (ha)	Production (Tonnes)
Thiruvananthapuram	31840	37470	32000	29200
Kollam	37105	45000	37170	35000
Pathanamthitta	50740	64065	50810	50400
Alappuzha	4480	5530	4495	4200
Kottayam	114260	136540	114340	104900
Idukki	40395	47680	40520	37300
Ernakulam	59740	74445	60020	57100
Thrissur	15550	18380	15630	14700
Palakkad	37675	43430	37800	33700
Malappuram	42470	45850	42670	36900
Kozhikode	21800	24950	21880	21500
Wynad	10730	8720	10790	7100
Kannur	47735	58000	47970	45500
Kasargod	33705	38160	33860	30200
<b>KERALA</b>	<b>548225</b>	<b>648220</b>	<b>549955</b>	<b>507700</b>

**Chart 1**  
**PRODUCTION OF DIFFERENT FORMS OF NR - 2015-16**

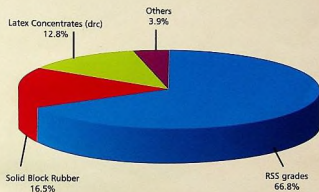






Chart 2  
CONSUMPTION OF DIFFERENT FORMS OF NR - 2015-16

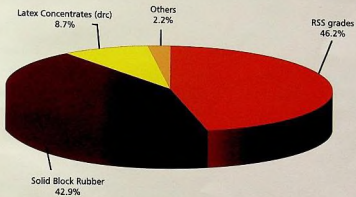




TABLE - 8

**PRODUCTION OF DIFFERENT FORMS OF NR**  
(Tonnes)

Type	2013-14	2014-15	2015-16p	% share
RSS Grades	559120	451090	375495	66.8
Solid Block Rubber	106045	98865	92785	16.5
Latex Concentrates (drc)	65895	66520	71835	12.8
Others	42940	28525	21885	3.9
<b>Total</b>	<b>774000</b>	<b>645000</b>	<b>562000</b>	<b>100</b>

## 1.2 CONSUMPTION

TABLE - 9

**CONSUMPTION OF DIFFERENT FORMS OF NR**  
(Tonnes)

Type	2013-14	2014-15	2015-16p	% share
RSS Grades	560230	518440	459570	46.2
Solid Block Rubber	322250	394240	426215	42.9
Latex Concentrates (drc)	77515	86005	86530	8.7
Others	21525	22225	22100	2.2
<b>Total</b>	<b>981520</b>	<b>1020910</b>	<b>994415</b>	<b>100</b>

TABLE - 10

**TYRE & NON-TYRE CONSUMPTION OF NR**  
(Tonnes)

Year	Auto tyres & tubes	Non-tyre	Total	% Growth
2013-14	652434	329086	<b>981520</b>	0.9
2014-15	680849	340061	<b>1020910</b>	4.0
2015-16p	663495	330920	<b>994415</b>	-2.6

### 1.3 IMPORT

TABLE - 11

#### IMPORT OF DIFFERENT FORMS OF NR (Tonnes)

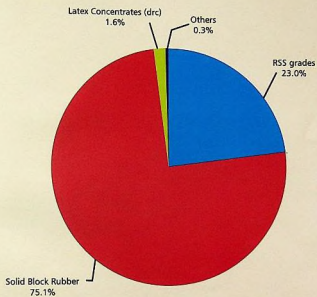
Type	2013-14	2014-15	2015-16p	% share
RSS Grades	111635	122680	105210	23.0
Solid Block Rubber	242130	309615	344150	75.1
Latex Concentrates (drc)	5965	9385	7530	1.6
Others	533	450	1484	0.3
Total	360263	442130	458374	100

TABLE - 12

#### CHANNEL-WISE IMPORT OF NR (Tonnes)

Type	2013-14	2014-15	2015-16p	% share
Duty Paid	230950	338305	357060	77.9
Duty Free	129313	103825	101314	22.1
Total	360263	442130	458374	100

**Chart 3**  
**IMPORT OF DIFFERENT FORMS OF NR - 2015-16**



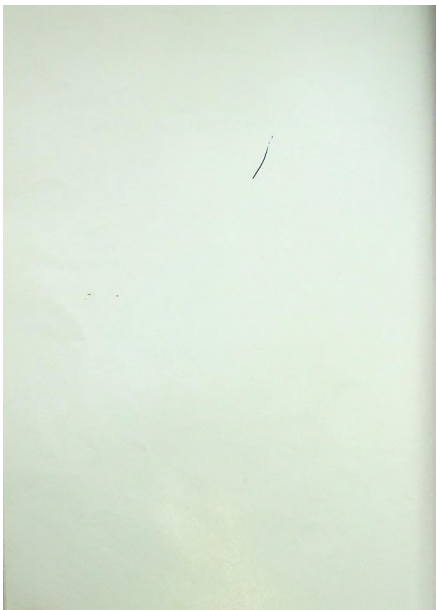


TABLE - 13

**IMPORT OF NR THROUGH DIFFERENT PORTS**  
(Tonnes)

Port	2013-14	2014-15	2015-16p
Chennai sea	144191	170827	209405
Nhava Sheva sea	92712	84109	99339
Mundra	35627	43480	32429
Cochin sea	22020	33536	25479
Kolkata sea	6462	5811	8681
Petrapole land	1101	3836	6033
Delhi (ICD)	2574	5961	2043
Tuticorin sea	1458	345	120
ICD Bangalore	185	403	16
Other ports	53933	93822	74829
<b>Total</b>	<b>360263</b>	<b>442130</b>	<b>458374</b>

TABLE - 14

**IMPORT OF NR ACCORDING TO SOURCE COUNTRIES**  
(Quantity in Tonnes and Value in Million Rs)

Country	2013-14		2014-15		2015-16p	
	Quantity	Value	Quantity	Value	Quantity	Value
Indonesia	156088	23821	190444	21357	212293	20944
Thailand	89851	14352	113362	13313	112006	11091
Vietnam	82472	12370	94235	10108	89914	8565
Malaysia	9875	1524	19281	2213	16880	3512
Cote d'Ivoire	9647	1471	9998	1227	10362	954
Bangladesh	1101	162	3838	463	6049	642
Cambodia	991	151	1699	184	3717	349
Philippines	605	89	2420	238	2903	266
Nigeria	1312	202	2339	249	968	84
Cameroon	303	44	1093	121	605	54
South Africa	1818	267	1412	186	504	48
Sri Lanka	3513	531	870	101	353	40
Liberia	1411	203	302	41	302	28
Singapore	504	74	105	11	450	41
Others	772	112	732	89	1068	98
<b>Total</b>	<b>360263</b>	<b>55373</b>	<b>442130</b>	<b>49901</b>	<b>458374</b>	<b>46716</b>

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



# 1.4 EXPORT

TABLE - 15

## QUANTITY AND VALUE OF EXPORT OF NR

Year	Quantity (Tonnes)	Value	
		Rs Crore	Million US\$
2013-14	5398	85.2	14.3
2014-15	1002	11.5	1.7
2015-16p	865	8.3	1.3

TABLE - 16

## TYPE-WISE EXPORT OF NR (Tonnes)

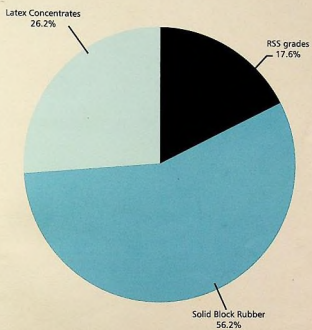
Type	2013-14	2014-15	2015-16p
RSS Grades	2614	101	152
Solid Block Rubber	1465	660	486
Latex Concentrates	1318	241	227
Others	1	0	0
Total	5398	1002	865

TABLE - 17

## EXPORT OF NR ACCORDING TO DESTINATION COUNTRIES (Tonnes)

Country	2013-14	2014-15	2015-16p
Iran	1406	660	480
Nepal	312	232	164
Sri Lanka	1889	0	152
UAE	47	47	66
Saudi Arabia	92	11	3
Dubai	42	20	0
Pakistan	16	32	0
China	570	0	0
Germany	263	0	0
Spain	101	0	0
Belgium	169	0	0
Turkey	21	0	0
Baharin	4	0	0
Netherlands	42	0	0
Egypt	315	0	0
Israel	56	0	0
Malaysia	34	0	0
France	19	0	0
Total	5398	1002	865

Chart 4  
EXPORT OF DIFFERENT FORMS OF NR - 2015-16



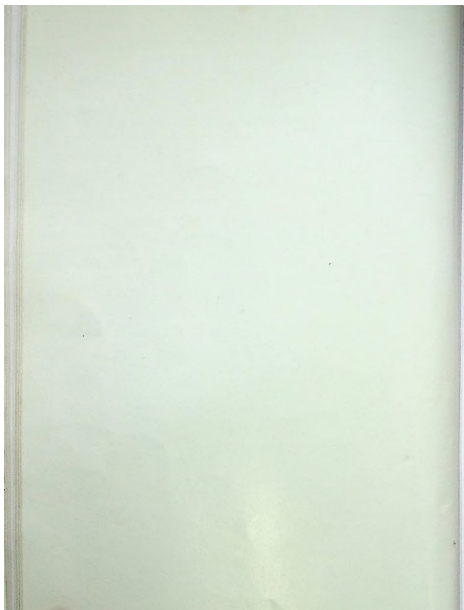


TABLE - 18

**MONTHLY PRODUCTION AND CONSUMPTION OF NR**  
(Tonnes)

Month	Production			Consumption		
	2013-14	2014-15	2015-16p	2013-14	2014-15	2015-16p
April	48600	51000	40000	82980	81500	80815
May	54000	53000	45000	81325	83800	81765
June	34800	63000	47000	81710	85285	80955
July	42200	54000	47000	83445	88400	83400
August	63300	51000	48000	81570	86300	82725
September	73400	60000	50000	80550	86280	81600
October	78900	55000	52000	81530	82000	82650
November	85300	60000	53000	75910	85300	77880
December	99000	63000	58000	82380	85820	85250
January	89000	58000	52000	83345	83850	84875
February	57800	42000	37000	79375	83025	84320
March	47700	35000	33000	87400	89350	88180
<b>Total</b>	<b>774000</b>	<b>645000</b>	<b>562000</b>	<b>981520</b>	<b>1020910</b>	<b>994415</b>

TABLE - 19

**MONTHLY IMPORT AND EXPORT OF NR**  
(Tonnes)

Month	Import			Export		
	2013-14	2014-15	2015-16p	2013-14	2014-15	2015-16p
April	11715	29430	36957	1538	28	8
May	21124	37918	36964	185	32	0
June	27018	33377	38923	165	61	6
July	32030	43133	41917	195	55	39
August	51761	49108	37413	314	8	155
September	49259	43674	42713	1098	8	25
October	39217	42625	43276	670	8	113
November	27930	37445	35226	364	83	88
December	27484	34324	45586	695	118	23
January	27511	29141	39512	133	117	214
February	20300	30879	31864	8	211	161
March	24914	31076	28023	33	273	33
<b>Total</b>	<b>360263</b>	<b>442130</b>	<b>458374</b>	<b>5398</b>	<b>1002</b>	<b>865</b>

# 1.5 STOCK

TABLE - 20

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

Month	2013-14			2014-15			2015-16p		
	G&D	M	T	G&D	M	T	G&D	M	T
April	161160	63840	225000	148500	81500	230000	162290	79710	242000
May	166370	62630	229000	127500	77500	205000	153725	83275	237000
June	115915	57085	173000	136000	76000	212000	151000	83000	234000
July	116220	55780	172000	119000	73000	192000	146205	83795	230000
August	131645	62355	194000	114000	71000	185000	154145	80855	235000
September	145000	73000	218000	124845	75155	200000	158980	81020	240000
October	153000	80000	233000	129000	76000	205000	162075	87925	250000
November	161000	85000	246000	132000	78000	210000	168765	86235	255000
December	182000	84000	266000	137000	88000	225000	169000	91000	260000
January	176000	92000	268000	160000	88000	248000	166975	97025	264000
February	169000	83000	252000	137000	93000	230000	148700	99300	248000
March	166000	79000	245000	169000	83000	252000	134035	89965	224000

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

## 2. SYNTHETIC RUBBER

**TABLE - 21**

### TYPE-WISE PRODUCTION OF SR (Tonnes)

Type	2013-14	2014-15p	2015-16p
Styrene Butadiene (SBR)1958*	6763	14128	60457
Polybutadiene	80685	105925	111807
Latex(drc)*	16106	21973	17009
Nitrile	9332	9865	10572
<b>Total</b>	<b>112886</b>	<b>151891</b>	<b>199845</b>

\*: including HSR

\*: includes SBR Latex, VP Latex and Nitrile Latex

**TABLE - 22**

### TYPE-WISE CONSUMPTION OF SR (Tonnes)

Type	2013-14	2014-15p	2015-16p
Styrene Butadiene Rubber®	220950	217450	250610
Polybutadiene	158260	171085	172155
Butyl	69355	81960	79700
Others^	35010	65635	50905
<b>Total</b>	<b>483575</b>	<b>536130</b>	<b>553370</b>

®: includes SBR Latex

^: Includes Polychloroprene, Nitrile, Latex (drc), EPDM and unclassified synthetic rubber.

TABLE - 23

**PRODUCTION, IMPORT, CONSUMPTION & STOCK OF SR**  
(Tonnes)

Year	Production	Import	Consumption	Stock at the end of the year
2013-14	112886	371839	483575	45590
2014-15	151891	402170	536130	63520
2015-16p	199845	351301	553370	61095

TABLE - 24

**SR:NR COMPOSITION OF TYRE & NON TYRE CONSUMPTION**

Year	INDIA			WORLD* (SR:NR)
	TYRE	NON-TYRE	TOTAL	
2013-14	35:65	29:71	33:67	55:45
2014-15	35:65	33:67	34:66	54:46
2015-16p	36:64	35:65	36:64	55:45

\*: Calendar year

### 3. NATURAL, SYNTHETIC & RECLAIMED RUBBER

TABLE - 25

#### STATE-WISE CONSUMPTION OF ALL KINDS OF RUBBER (Tonnes)

State/Union Territory	2013-14			
	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	70120	43835	12900	126855
Goa, Daman & Diu	29815	13560	950	44325
Gujarat	78690	38890	3500	121080
Haryana	35200	22475	3760	61435
Karnataka	64575	21665	8865	95105
Kerala	131150	53510	14825	199485
Madhya Pradesh**	32410	27290	3380	63080
Maharashtra	106515	68960	12960	188435
Odisha	14640	5250	620	20510
Punjab*	68900	9510	19980	98390
Rajasthan	75810	39950	7250	123010
Tamil Nadu	169995	109500	20360	299855
Uttar Pradesh	36020	10275	5990	52285
Uttarakhand	42210	11700	4480	58390
West Bengal	9750	1750	840	12340
Others	15720	5455	3065	24240
<b>Total</b>	<b>981520</b>	<b>483575</b>	<b>123725</b>	<b>1588820</b>
State/Union Territory	2014-15p			
	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	70790	37910	13500	122200
Goa	37820	14205	1090	53115
Gujarat	91920	48785	5130	145835
Haryana	34980	21530	3600	60110
Karnataka	62175	21495	7300	90970
Kerala	131995	62990	15445	210430
Madhya Pradesh**	32750	29710	3850	66310
Maharashtra	103380	79965	14820	198165
Odisha	9500	3505	390	13395
Punjab*	67700	11720	19860	99280
Rajasthan	70625	38595	6840	116060
Tamil Nadu	203145	131920	22400	357465
Uttar Pradesh	36970	11340	6160	54470
Uttarakhand	40945	13300	5200	59445
West Bengal	12440	2210	880	15530
Others	13775	6950	2600	23325
<b>Total</b>	<b>1020910</b>	<b>536130</b>	<b>129065</b>	<b>1686105</b>

\*: Including Chandigarh

\*\* : including Chattisgarh



TABLE - 26

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

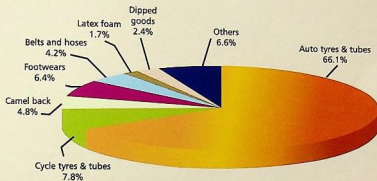
Products	2013-14				
	NR	SR	RR	Total	% share
Auto tyres & tubes*	651675	354695	47190	<b>1053560</b>	66.3
Cycle tyres & tubes	78165	23585	26925	<b>128675</b>	8.1
Camel back	46350	24640	5350	<b>76340</b>	4.8
Footwears	56100	35860	9760	<b>101720</b>	6.4
Belts and hoses	40580	15100	10565	<b>66245</b>	4.2
Latex foam	24110	0	0	<b>24110</b>	1.5
Dipped goods	39740	0	0	<b>39740</b>	2.5
Others	44800	29695	23935	<b>98430</b>	6.2
<b>Total</b>	<b>981520</b>	<b>483575</b>	<b>123725</b>	<b>1588820</b>	<b>100</b>

Products	2014-15p				
	NR	SR	RR	Total	% share
Auto tyres & tubes*	682350	382690	49640	<b>1114680</b>	66.1
Cycle tyres & tubes	75465	29585	26750	<b>131800</b>	7.8
Camel back	44675	31785	4730	<b>81190</b>	4.8
Footwears	62635	35190	9650	<b>107475</b>	6.4
Belts and hoses	42170	17730	10750	<b>70650</b>	4.2
Latex foam	28385	0	0	<b>28385</b>	1.7
Dipped goods	41215	0	0	<b>41215</b>	2.4
Others	44015	39150	27545	<b>110710</b>	6.6
<b>Total</b>	<b>1020910</b>	<b>536130</b>	<b>129065</b>	<b>1686105</b>	<b>100</b>

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

NR - Natural Rubber, SR - Synthetic Rubber, RR - Reclaimed Rubber

Chart 5  
CONSUMPTION OF ALL KINDS OF RUBBER  
ACCORDING TO END PRODUCTS - 2014-15



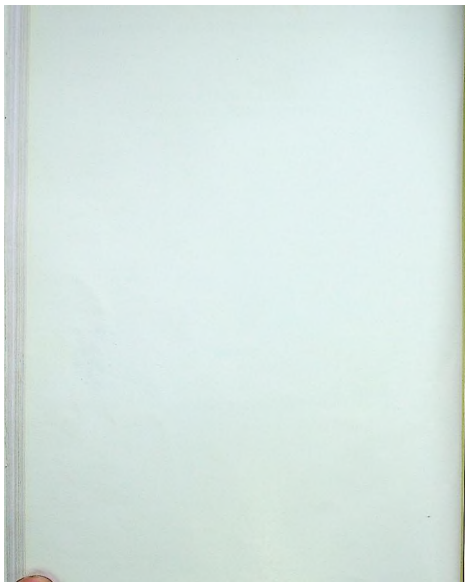
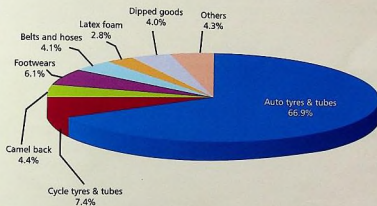


Chart 6  
CONSUMPTION OF NR  
ACCORDING TO END PRODUCTS - 2014-15



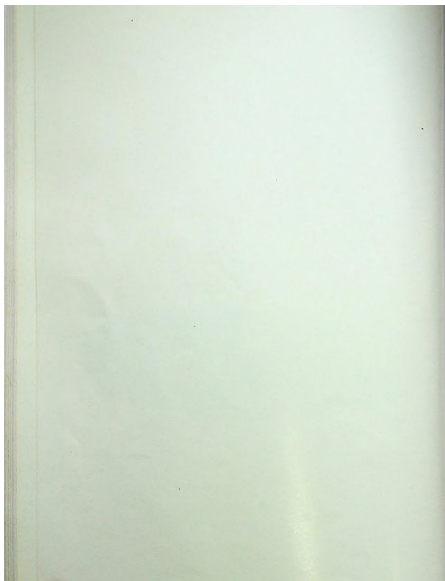


TABLE - 27

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

Consumption Group	2013-14					
	No. of Manufacturers	CONSUMPTION				
		NR	SR	RR	Total	% Share
A	1544	2348	8019	1196	11563	0.7
B	1575	39460	8825	7910	56195	3.5
C	590	33910	11585	8690	54185	3.4
D	498	103230	43150	26740	173120	11.0
E	62	30175	13210	8869	52254	3.3
F	81	772397	398786	70320	1241503	78.1
<b>Total</b>	<b>4350</b>	<b>981520</b>	<b>483575</b>	<b>123725</b>	<b>1588820</b>	<b>100</b>

Consumption Group	2014-15p					
	No. of Manufacturers	CONSUMPTION				
		NR	SR	RR	Total	% Share
A	1607	6290	6570	1155	14015	0.8
B	1435	36080	14850	7100	58030	3.4
C	602	30395	16980	7750	55125	3.3
D	518	103895	50470	27020	181385	10.8
E	66	31790	16790	9800	58380	3.5
F	79	812460	430470	76240	1319170	78.2
<b>Total</b>	<b>4307</b>	<b>1020910</b>	<b>536130</b>	<b>129065</b>	<b>1686105</b>	<b>100</b>

Note: A: 10 tonnes & below,

B: above 10 tonnes and upto & including 50 tonnes,

C: above 50 tonnes and upto & including 100 tonnes,

D: above 100 tonnes and upto & including 500 tonnes,

E: above 500 tonnes and upto & including 1000 tonnes,

F: above 1000 Tonnes.

TABLE - 28

## DISTRIBUTION OF MANUFACTURERS ACCORDING TO CONSUMPTION OF NR

Consumption Group	2013-14			2014-15p		
	No. of Manufacturers	NR Consumption		No. of Manufacturers	NR Consumption	
		Tonnes	% share		Tonnes	% share
A	1609	7500	0.8	1644	7210	0.7
B	1710	45025	4.6	1597	38920	3.8
C	490	36260	3.7	508	36208	3.6
D	435	101350	10.3	445	102330	10.0
E	47	34626	3.5	50	34542	3.4
F	59	756759	77.1	63	801700	78.5
<b>Total</b>	<b>4350</b>	<b>981520</b>	<b>100</b>	<b>4307</b>	<b>1020910</b>	<b>100</b>

Note: A: 10 tonnes & below,

B: above 10 tonnes and upto & including 50 tonnes,

C: above 50 tonnes and upto & including 100 tonnes,

D: above 100 tonnes and upto & including 500 tonnes,

E: above 500 tonnes and upto & including 1000 tonnes,

F: above 1000 Tonnes.

#### 4. PRICE OF RUBBER

TABLE - 29

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
2013-14	18629	17579	16888	16602	16093	15279	20553	15643
2014-15	14675	13657	13406	13257	12340	11354	15744	11440
2015-16	13433	12111	11578	11306	10975	10044	14713	10042
2013	18523	17866	17163	16880	16355	15486	19928	15898
2014	15669	14195	13842	13658	13187	12301	17372	12427
2015	13777	12749	12371	12141	11349	10383	14816	10410



TABLE - 28

## DISTRIBUTION OF MANUFACTURERS ACCORDING TO CONSUMPTION OF NR

Consumption Group	2013-14			2014-15p		
	No. of Manufacturers	NR Consumption		No. of Manufacturers	NR Consumption	
		Tonnes	% share		Tonnes	% share
A	1609	7500	0.8	1644	7210	0.7
B	1710	45025	4.6	1597	38920	3.8
C	490	36260	3.7	508	36208	3.6
D	435	101350	10.3	445	102330	10.0
E	47	34626	3.5	50	34542	3.4
F	59	756759	77.1	63	801700	78.5
<b>Total</b>	<b>4350</b>	<b>981520</b>	<b>100</b>	<b>4307</b>	<b>1020910</b>	<b>100</b>

Note: A: 10 tonnes & below,

B: above 10 tonnes and upto & including 50 tonnes,

C: above 50 tonnes and upto & including 100 tonnes,

D: above 100 tonnes and upto & including 500 tonnes,

E: above 500 tonnes and upto & including 1000 tonnes,

F: above 1000 Tonnes.

#### 4. PRICE OF RUBBER

TABLE - 29

PRICE OF DIFFERENT GRADES OF NATURAL RUBBER  
(Rs per 100 kg in Kottayam Market)

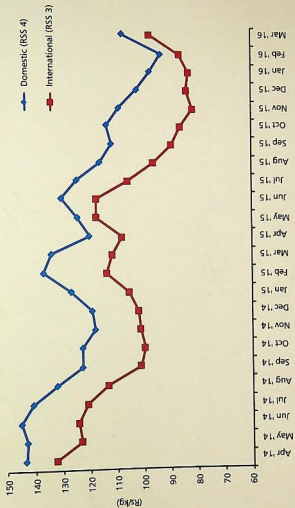
Year	RSS 1	RSS 2	RSS 3	RSS 4	RSS 5	EBC 2X	LATEX 60% drc	ISNR 20
2013-14	18629	17579	16888	16602	16093	15279	20553	15643
2014-15	14675	13657	13406	13257	12340	11354	15744	11440
2015-16	13433	12111	11578	11306	10975	10044	14713	10042
2013	18523	17866	17163	16880	16355	15486	19928	15898
2014	15669	14195	13842	13658	13187	12301	17372	12427
2015	13777	12749	12371	12141	11349	10383	14816	10410

TABLE - 30

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

Month/Year		RSS 4 Domestic (Kottayam)	RSS 3 International (Bangkok)	Latex(60% drc)		ISNR 20 Domestic	SMR 20 International (Kuala Lumpur)
				Domestic	International (Kuala Lumpur)		
April	2013	16238	15463	17762	17491	15266	13530
May	"	16879	16617	18032	17948	15959	13735
June	"	17424	16444	19429	17212	16068	13429
July	"	19177	15477	24992	16576	17452	13244
August	"	18994	16171	26663	17102	17252	14856
September	"	18313	16976	22765	18523	16928	15547
October	"	16331	15704	20594	17353	15484	14459
November	"	15600	15612	17892	16952	14825	14369
December	"	15500	15929	18615	17260	14810	14356
January	2014	15269	14563	21158	15397	14950	13383
February	"	14702	13420	19928	14885	14433	11891
March	"	14802	13928	18808	15427	14290	11765
<b>Average</b>	<b>2013-14</b>	<b>16602</b>	<b>15525</b>	<b>20553</b>	<b>16844</b>	<b>15643</b>	<b>13714</b>
April	2014	14380	13256	19137	14843	13389	10855
May	"	14341	12345	19327	14218	13500	10142
June	"	14546	12460	20310	14472	13260	10226
July	"	14115	12123	18237	14465	12287	10218
August	"	13250	11356	16417	13810	11320	10161
September	"	12328	10130	14598	12563	10450	9312
October	"	12327	9985	13527	12073	10752	9244
November	"	11858	10155	13417	12370	10415	9411
December	"	11982	10228	13605	11032	10079	9233
January	2015	12745	10582	13780	11062	10853	8877
February	"	13744	11417	13405	11190	10548	8755
March	"	13470	11212	13163	12035	10427	8815
<b>Average</b>	<b>2014-15</b>	<b>13257</b>	<b>11271</b>	<b>15744</b>	<b>12844</b>	<b>11440</b>	<b>9604</b>
April	2015	12058	10819	14020	12005	10405	8756
May	"	12510	11809	17048	13403	11270	9712
June	"	13098	11813	19415	14358	12045	10072
July	"	12537	10622	18302	12403	11326	9180
August	"	11665	9661	14098	11318	10270	8506
September	"	11218	8961	13635	10738	9902	8301
October	"	11410	8628	14443	10433	10264	8198
November	"	10954	8163	13770	9723	9129	7771
December	"	10279	8412	12708	9443	8482	7772
January	2016	9780	8305	13143	9103	8500	7321
February	"	9355	8668	12860	9835	8638	7534
March	"	10812	9776	13108	11398	10275	8651
<b>Average</b>	<b>2015-16</b>	<b>11306</b>	<b>9636</b>	<b>14713</b>	<b>11180</b>	<b>10042</b>	<b>8481</b>

Chart 7  
PRICE OF NR IN DOMESTIC & INTERNATIONAL MARKETS





## 5. MISCELLANEOUS

TABLE - 31

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

State/Union Territory	2013-14	2014-15	2015-16
Kerala	7722	7462	7115
Tripura	520	538	521
Tamil Nadu	255	252	239
Punjab*	137	147	148
Karnataka	125	130	136
Delhi	110	107	108
Maharashtra	84	88	79
West Bengal	88	75	74
Uttar Pradesh	70	62	65
Assam	52	59	63
Others	160	163	162
<b>Total</b>	<b>9323</b>	<b>9083</b>	<b>8710</b>

\* : Includes Chandigarh

TABLE - 32

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

District	2013-14	2014-15	2015-16
Thiruvananthapuram	835	791	751
Kollam	1289	1227	1105
Pathanamthitta	932	875	826
Alappuzha	178	164	148
Kottayam	1525	1481	1456
Idukki	282	268	255
Ernakulam	784	768	732
Thrissur	153	151	142
Palakkad	430	419	398
Malappuram	436	430	407
Kozhikode	146	154	155
Wynad	68	63	60
Kannur	502	504	510
Kasargod	162	167	170
<b>Total</b>	<b>7722</b>	<b>7462</b>	<b>7115</b>

TABLE - 33

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

State/ Union Territory	2013-14	2014-15	2015-16
Kerala	734	724	744
Maharashtra	508	503	512
Tamil Nadu	452	455	496
Punjab*	374	381	395
Uttar Pradesh	410	401	404
West Bengal	308	301	294
Gujarat	425	422	421
Haryana	323	307	316
Karnataka	195	191	192
Delhi	112	110	105
Andhra Pradesh & Telungana	142	143	140
Rajasthan	151	148	131
Madhya Pradesh	59	72	66
Goa *	29	26	25
Jharkhand	23	24	23
Chattisgarh	7	8	9
Odisha	10	9	9
Assam	8	7	8
Uttarakhand	24	25	25
Himachal Pradesh	27	24	24
Bihar	2	2	2
Others <sup>o</sup>	27	24	22
<b>Total</b>	<b>4350</b>	<b>4307</b>	<b>4363</b>

\*: includes Chandigarh, \*: Includes Daman & Diu

<sup>o</sup>: Others include Jammu & Kashmir, Meghalaya, Nagaland, Pondicherry and Tripura

TABLE - 34

## CATEGORY-WISE PRODUCTION OF TYRES ('000 numbers)

Category	TYRES		
	2013-14	2014-15	2015-16p
Truck & Bus	16474	17112	16764
Tractor	6723	5984	5675
Passenger car / Jeep	31666	35743	38702
L.C.V. / S.C.V.	9345	10202	9728
Motor Cycles / Moped	47748	56958	56496
Scooter	15694	19031	22172
O.T.R.	466	427	498
Others*	762	694	723
<b>Total</b>	<b>128878</b>	<b>146151</b>	<b>150758</b>

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

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

## CATEGORY-WISE PRODUCTION OF TUBES ('000 numbers)

Category	TUBES		
	2013-14	2014-15	2015-16p
Truck & Bus	15133	15813	15946
Tractor	2682	2550	2379
Passenger car / Jeep	10448	10096	9674
L.C.V. / S.C.V.	8806	9153	8079
Motor Cycles / Moped	5056	4549	4970
Scooter	7373	5868	4898
O.T.R.	48723	50618	49265
Others*	304	367	232
<b>Total</b>	<b>98525</b>	<b>99014</b>	<b>95443</b>

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

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)

Category	Production		Export	
	2014-15	2015-16p	2014-15	2015-16p
Passenger Vehicles	3222	3414	621	654
Commercial Vehicles	698	783	87	102
Three Wheelers	949	934	408	404
Two Wheelers	18489	18829	2457	2481
Total	23358	23960	3573	3641

Source: Society of Indian Automobile Manufacturers, New Delhi

TABLE - 37

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

Products	2013-14	2014-15	2015-16 <sup>p</sup>
<b>a) Auto Tyres and Tubes Panel:</b>			
Auto Tyres	9696.8	9621.9	8648.0
Auto Tubes	390.8	327.9	294.1
Tyre Flaps	121.6	121.1	116.4
<b>Total (a)</b>	<b>10209.2</b>	<b>10070.9</b>	<b>9058.5</b>
<b>b) Rubber Products Panel:</b>			
Automotive Components *	44.5	40.3	38.2
Bicycle Tubes	242.9	242.9	194.0
Bicycle Tyres	309.5	321.9	304.3
Conveyor, Transmission, V Belts	725.3	704.1	674.2
Floor Covering & Mats	364.6	388.8	415.5
Gaskets, Washers & Seals	413.6	452.1	508.6
Hoses	443.9	555.4	577.5
Latex, Dipped & Medical including Contraceptives	514.0	562.0	527.5
Reclaim Rubber & Waste Pairings & Scrap	673.5	504.9	472.6
Rubber Coats & Aprons	7.1	36.9	44.4
Rubber Products NES	78.5	78.2	87.6
Rubber Sheets	1782.1	2276.6	1731.8
Tyre Retread/Camel Back	245.4	379.3	438.9
<b>Total (b)</b>	<b>5844.9</b>	<b>6543.4</b>	<b>6015.1</b>
<b>c) Footwear of rubber/canvas etc.</b>	<b>1230.9</b>	<b>1723.8</b>	<b>2005.4</b>
<b>Grand Total (a+b+c)</b>	<b>17285.0</b>	<b>18338.1</b>	<b>17079.0</b>

\*: Excluding suspension shock absorbers

Source: Export-Import Data Bank

TABLE - 38

**VALUE OF RUBBER PRODUCTS IMPORTED**  
(Rs Crore)

Products	2013-14	2014-15
Tyres	2490.3	2640.4
Tubes	159.0	59.2
Flaps	16.3	19.2
Hygienic & Pharmaceuticals	65.1	34.6
Belting	492.2	463.9
Latex Foam Sponge	3.3	3.3
Ebonite	2.7	2.1
Vulcanised Rubber Thread & Cord	47.7	56.6
Other articles of rubber	4137.3	4325.7
<b>Total</b>	<b>7414.0</b>	<b>7605.0</b>

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

TABLE - 39

**FINANCIAL PERFORMANCE DURING XII PLAN (Rs Crore)**  
**Scheme: Sustainable and Inclusive Development of Natural Rubber Sector**

Major Components	12 <sup>th</sup> Plan Approved Outlay	Expenditure <sup>*</sup>			
		2012-13	2013-14	2014-15	2015-16
Rubber Plantation Development & Extension	726.99	105.30	107.87	116.92	113.12
Strengthening Research Technology	111.20	28.52	28.21	26.69	23.67
Upgradation & Market Development	53.25	13.05	13.65	8.02	10.34
Human Resource Development	33.06	5.40	5.99	5.64	5.65
Infrastructure Development	25.50	4.64	3.95	3.58	3.48
Statistical Services, Information Services and e-Governance Programme	10.00	1.18	1.36	1.38	1.39
<b>Total</b>	<b>960.00</b>	<b>158.09</b>	<b>161.03</b>	<b>162.23</b>	<b>157.65</b>

TABLE - 40

## CESS COLLECTED

Year	Rs. Crore
2013-14	116.87
2014-15	106.49
2015-16	103.84

TABLE - 41

**PRODUCTION AND DISTRIBUTION OF PLANTING MATERIALS IN  
BOARD'S NURSERIES (Lakh)**

(Distributed directly from Rubber Board's Nurseries)

Year	Brown Budded Stumps	Green Budded Stumps	Root trainer plant	Polybags	Budwood*
2013	11.98	3.00	1.52	0.80	0.95
2014	4.73	2.73	4.59	0.01	0.90

\*: in Metres

## 6. WORLD STATISTICS

TABLE - 42

AREA PLANTED DURING EACH YEAR IN ANRPC MEMBER COUNTRIES  
(‘000 Hectares)

COUNTRY	2013		2014		2015p	
	NP	RP	NP	RP	NP	RP
Cambodia	48.4	1.9	27.3	1.8	30.1	0.6
China	13.0	13.7	18.0	7.4	5.0	12.0
India	21.0	15.0	17.0	15.0	16.0	15.0
Indonesia	50.0	45.0	50.0	45.0	15.0	45.0
Malaysia	18.3	37.3	11.8	39.9	15.0	35.7
Philippines	11.4	1.1	35.3	1.4	23.4	1.7
Sri Lanka	3.0	2.7	1.4	2.1	0.8	1.0
Thailand	44.9	35.2	33.2	38.6	20.0	25.0
Vietnam	39.8	13.0	21.9	17.0	7.3	22.0

NP: Newplanted area.

RP: Replanted area.

Source: Natural Rubber Trends and Statistics, Vol. 8, No. 7, July 2016 of Association of Natural Rubber Producing Countries (ANRPC), Malaysia.

TABLE - 43

**TOTAL RUBBER AREA AND TAPPED AREA IN ANRPC MEMBER COUNTRIES**  
(‘000 Hectares)

COUNTRY	2013		2014		2015p	
	Total Area	Tapped Area	Total Area	Tapped Area	Total Area	Tapped Area
Cambodia	328.7	78.5	357.8	90.5	388.9	111.2
China	1143.0	686.0	1161.0	695.0	1159.0	711.0
<b>India</b>	<b>778.4</b>	<b>475.2</b>	<b>795.1</b>	<b>446.9</b>	<b>810.8</b>	<b>391.0</b>
Indonesia	3556.0	2990.0	3606.0	2995.0	3621.0	3016.0
Malaysia	1057.3	606.0	1065.6	600.0	1078.6	650.0
Philippines	185.5	99.2	217.7	120.2	222.6	116.9
Sri Lanka	132.5	101.1	133.8	106.0	134.4	114.1
Thailand	2708.3	2634.0	2816.6	2915.8	NA	3015.4
Vietnam	958.8	548.1	977.7	563.6	981.0	600.0

Source: Natural Rubber Trends and Statistics, Vol. 8, No. 7, July 2016 of Association of Natural Rubber Producing Countries (ANRPC), Malaysia.



TABLE - 44

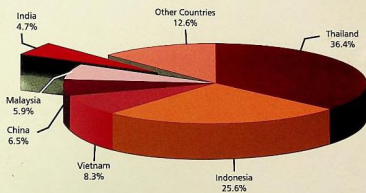
**PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES**  
(‘000 Tonnes)

Country	2013	2014	2015p	% share
Thailand	4170	4324	4473	36.4
Indonesia	3237	3153	3145	25.6
Vietnam	949	954	1017	8.3
China	865	840	794	6.5
Malaysia	827	668	722	5.9
<b>India</b>	<b>796</b>	<b>705</b>	<b>575</b>	<b>4.7</b>
Brazil	187	193	199	1.6
Cambodia	85	97	127	1.0
Philippines	111	113	100	0.8
Sri Lanka	131	99	89	0.7
Liberia	69	60	60	0.5
Nigeria	57	52	51	0.4
Others*	797	878	926	7.6
<b>World</b>	<b>12281</b>	<b>12136</b>	<b>12278</b>	<b>100</b>

\*: Countries not reported separately

Source: Rubber Statistical Bulletin, Vol. 71, No. 1-3, July-September 2016 of International Rubber Study Group, Singapore.

**Chart 8**  
**SHARE OF INDIA IN WORLD PRODUCTION OF NR - 2015**





**TABLE - 45**

**AVERAGE ANNUAL YIELD IN ANRPC MEMBER COUNTRIES**  
(kg/hectare of Tapped area)

<b>COUNTRY</b>	<b>2013</b>	<b>2014</b>	<b>2015p</b>
Cambodia	1086	1073	1140
China	1261	1208	1117
<b>India</b>	<b>1676</b>	<b>1576</b>	<b>1471</b>
Indonesia	1083	1053	1043
Malaysia	1400	1370	1410
Philippines	1121	942	851
Sri Lanka	1291	930	777
Thailand	1583	1483	1483
Vietnam	1728	1692	1695

Source: Natural Rubber Trends and Statistics, Vol. 8, No. 7, July 2016 of  
Association of Natural Rubber Producing Countries (ANRPC), Malaysia.

TABLE - 46

**CONSUMPTION OF NR IN MAIN CONSUMING COUNTRIES**  
(<sup>'000</sup> Tonnes)

Country	2013	2014	2015p	% share
China	4270	4804	4680	38.5
<b>India</b>	<b>962</b>	<b>1015</b>	<b>993</b>	8.2
U.S.A.	913	932	937	7.7
Japan	710	709	691	5.7
Thailand	521	541	601	5.0
Indonesia	509	540	509	4.2
Malaysia	434	447	475	3.9
Brazil	409	422	405	3.3
South Korea	396	402	388	3.2
Germany	247	227	219	1.8
Vietnam	154	160	172	1.4
Spain	142	166	168	1.4
Turkey	135	149	156	1.3
France	123	123	130	1.1
Canada	126	127	129	1.1
Italy	96	104	119	1.0
Taiwan	103	109	103	0.8
Mexico	86	91	98	0.8
Poland	102	114	97	0.8
Russian Federation	76	75	89	0.7
Sri Lanka	107	86	127	1.0
Philippines	52	49	64	0.5
Others*	757	789	796	6.6
<b>World</b>	<b>11430</b>	<b>12181</b>	<b>12146</b>	<b>100.0</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 71, No. 1-3, July-September 2016 of  
International Rubber Study Group, Singapore

Chart 9  
SHARE OF INDIA IN WORLD CONSUMPTION OF NR - 2015

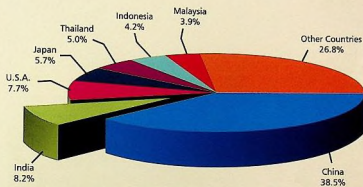




TABLE - 47

**COUNTRY-WISE IMPORT OF NATURAL RUBBER**  
('000 Tonnes)

Year	2013	2014	2015p
China	3975	4096	4200
Malaysia	1005	914	955
U.S.A.	927	946	952
Japan	722	689	682
South Korea	396	403	388
Germany	362	387	365
<b>India</b>	<b>336</b>	<b>424</b>	<b>450</b>
Vietnam	270	253	300
Brazil	224	230	208
France	163	157	164
Belgium & Luxembourg	150	148	184
Spain	147	171	174
Turkey	136	149	156
Canada	132	130	133
Italy	112	120	128
Poland	109	117	101
Taiwan	107	112	104
Russian Federation	76	75	89
Mexico	74	79	86
Czech Republic	70	74	72
Netherlands	69	66	41
Singapore	65	69	74
Slovakia	58	67	68
U.K.	58	62	56
Others*	528	561	559
<b>World</b>	<b>10271</b>	<b>10499</b>	<b>10689</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 71, No. 1-3, July-September 2016 of  
International Rubber Study Group, Singapore



TABLE - 48

**COUNTRY-WISE EXPORT OF NATURAL RUBBER**  
(‘000 Tonnes)

Year	2013	2014	2015p
Thailand	3752	3729	3776
Indonesia	2770	2662	2680
Malaysia	1332	1192	1119
Vietnam	1076	1066	1138
Côte d'Ivoire	285	323	348
Guatemala	88	91	86
Cambodia	86	100	128
Myanmar	73	79	86
Liberia	69	60	60
Philippines	67	88	80
Cameroon	55	55	54
Nigeria	44	39	38
India	25	1	1
Sri Lanka	23	16	10
Others*	142	353	604
<b>World</b>	<b>9887</b>	<b>9854</b>	<b>10208</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 71, No. 1-3, July-September 2016 of  
International Rubber Study Group, Singapore

TABLE - 49

**PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES**  
(‘000 Tonnes)

Year	2013	2014	2015p
China	2877	2895	2737
U.S.A.	2234	2312	2392
Japan	1673	1599	1668
South Korea	1493	1517	1502
Russian Federation	1446	1316	1405
Germany	848	881	868
Taiwan	654	683	727
France	594	531	568
Brazil	356	331	421
U.K.	199	143	107
Italy	187	193	206
Mexico	178	175	161
Poland	172	174	168
Czech Republic	149	157	154
Canada	133	113	79
Thailand	138	229	251
Netherlands	135	142	141
Belgium	128	105	126
<b>India</b>	<b>111</b>	<b>137</b>	<b>192</b>
Malaysia	101	116	101
Spain	99	96	95
Iran	65	65	65
South Africa	57	60	59
Indonesia	57	58	44
Others*	115	154	223
<b>World</b>	<b>14199</b>	<b>14179</b>	<b>14460</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 71, No. 1-3, July-September 2016 of  
International Rubber Study Group, Singapore

TABLE - 50

**CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES**  
(<sup>'000 Tonnes</sup>)

Country	2013	2014	2015p
China	4229	4227	4125
U.S.A	1698	1855	1969
Japan	954	951	896
Germany	579	583	606
<b>India</b>	<b>472</b>	<b>524</b>	<b>549</b>
Russian Federation	649	559	535
Brazil	530	500	525
Thailand	443	479	471
Malaysia	331	355	422
Taiwan	346	351	384
Indonesia	309	303	310
Turkey	233	243	267
Vietnam	158	158	254
France	257	251	252
South Korea	295	279	243
Mexico	195	208	223
Poland	178	208	234
Spain	234	203	207
Canada	184	184	180
Italy	171	162	178
U.K.	160	140	155
Others*	1559	1544	1576
<b>World</b>	<b>14164</b>	<b>14267</b>	<b>14561</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 71, No. 1-3, July-September 2016 of  
International Rubber Study Group, Singapore

TABLE - 51

ESTIMATED PER CAPITA CONSUMPTION OF NR & SR  
(Kilogram)

Country	2012	2013	2014p
Japan	13.27	13.13	13.13
Germany	9.84	10.14	10.04
Canada	9.41	9.02	8.74
U.S.A.	8.58	8.19	8.72
China	6.54	7.02	6.56
France	6.39	5.76	5.83
Brazil	4.21	4.56	4.47
Italy	4.61	4.39	4.45
U.K.	3.08	2.96	2.70
Australia	1.64	1.49	1.74
India	1.16	1.14	1.18
World	3.65	3.68	3.63

## Notes



**भारतीय रबड़ सांख्यिकी**  
**भाग 38, 2017**

**Indian Rubber Statistics**  
**Volume 38, 2017**

सांख्यिकी एवं योजना विभाग  
द्वारा संकलित

**Compiled by:**  
**The Statistics & Planning Department**

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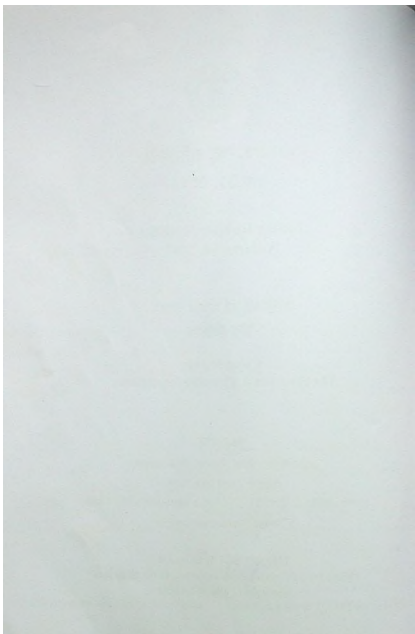
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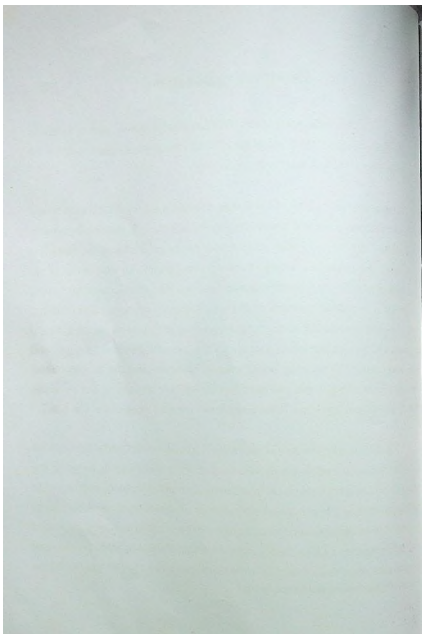
## ABOUT THE RUBBER BOARD

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.







## PREFACE

Any good economic policy rolls on the firm wheels of accurate and reliable data. The collection and compilation of statistics on rubber is not very cumbersome, but it takes a finer skill in employing an apt methodology and a good sampling technique. Both these have been accomplished in a good measure in the 38<sup>th</sup> series of 'Indian Rubber Statistics'. It is noteworthy that both the industry insiders and the world at large stand to profit from the wealth of information provided in the present series. The vital data on tapped area, production, productivity, consumption, storage, etc., contained in the present series would immensely aid the Rubber Board in arriving at balanced judgments on procurement, storage, import, export, etc.

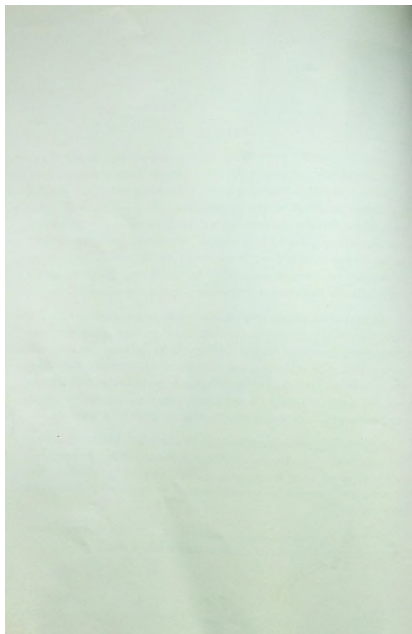
The rich harvest of data in the publication were collected through statistical surveys, statutory returns and secondary sources. The series has been uncompromising in ensuring the quality of data published. I would like to express my deep appreciation to the steadfast institutional support from International Rubber Study Group, Association of Natural Rubber Producing Countries, Directorate General of Commercial Intelligence and Statistics, Chemicals and Allied Products Exports Promotion Council, Automotive Tyre Manufacturers' Association, etc.

True to its legacy, the latest in the series of Indian Rubber Statistics has strived to improvise and infuse new directions in the pursuit of rubber studies. To the erudite, it serves as a rich reference; to the governing class, it is a guide to a healthy rubber policy; to the laity, a firsthand source of information and for the state, the last word in rubber planning.

We welcome your valuable comments and constructive suggestions for improvement of future issues of this publication of Rubber Board.

Kottayam,  
25.09.2017.

A. Ajith Kumar, IAS  
Chairman and Executive Director



## IN RETROSPECT

### Introduction

India is currently the sixth largest producer of Natural Rubber (NR) with a share of 5.0% in world production of 12.401 million tonnes. The country ranks second in terms of consumption of NR by accounting for about 8.2% of the global consumption of 12.589 million tonnes during 2016. In spite of being the sixth in terms of production of NR, the country currently ranks second in productivity. India occupies the sixth position in rubber area in the world. The country is a net importer of NR against the export-oriented structure of other major producing countries.

### Production of NR

Natural Rubber (NR) production in the country during 2016-17 was 691,000 tonnes compared to 562,000 tonnes during 2015-16 recording a high growth of 23% compared to a negative growth of 12.9% registered during the previous year. The growth in production is attributed to several factors such as measures taken by the Rubber Board to increase production and productivity, relatively high rubber prices and continuation of Rubber Production Incentive Scheme (RPIS) launched by Kerala Govt. for ensuring a price of Rs 150 per kg in 2016-17, etc. Measures taken by Rubber Board included popularization of Low Frequency Tapping (LFT), thereby reducing cost of production and extended economic life without reduction in yield; formation of Tappers' Bank attached to Rubber Producer's Societies (RPS) to ensure supply of tappers for growers; supply of inputs, especially rai nguarding materials through Board promoted companies; harvesting untapped areas with the help of RPS's and Board promoted companies and campaign programmes conducted in non-traditional areas for improving productivity. 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 country's total area under cultivation of rubber is estimated to have expanded 0.9% to 818,000 hectare during 2016-17 from 810,800 hectare a year ago. The tapped area during 2016-17 was 445,000 ha and the share of untapped area declined to 24% in 2016-17 from 30% in 2015-16.

The average yield, measured in terms of production per hectare of tapped area, increased to 1,553 kg/ha in 2016-17 from 1,437 kg/ha in the previous year. Production of NR for the year 2017-18 is projected at 800,000 tonnes with a growth of 16%.

### Consumption of NR

Domestic consumption of NR increased by 5% in 2016-17 reaching 1044,075 tonnes compared to 994,415 tonnes with a negative growth of 2.6% during 2015-16. The auto tyre sector recorded a growth of 6.6% during 2016-17 as against a negative growth of 2.5% recorded during 2015-16. At the same time, the general rubber goods sector registered a growth of 1.8% during 2016-17 compared to a negative growth of 2.7% during 2015-16. Auto-tyre sector accounted for 67.7% of the total quantity of NR consumed in the country during the year under review.

The following table provides the figures of consumption of NR and Synthetic Rubber (SR) separated into auto-tyre and general rubber goods (GRG) sectors.

### Consumption of NR and SR in Auto-Tyre Sector and GRG Sector (Tonnes)

	2016-17p	2015-16	Growth (%)
<b>Natural Rubber</b>			
Auto Tyres & Tubes	707335	663495	6.6
General Rubber Goods	336740	330920	1.8
<b>Total NR</b>	<b>1044075</b>	<b>994415</b>	<b>5.0</b>
<b>Synthetic Rubber</b>			
Auto Tyres & Tubes	417728	377090	10.8
General Rubber Goods	180852	176280	2.6
<b>Total SR</b>	<b>598580</b>	<b>553370</b>	<b>8.2</b>
<b>NR &amp; SR</b>			
Auto Tyres & Tubes	1125063	1040585	8.1
General Rubber Goods	517592	507200	2.0
<b>Total NR &amp; SR</b>	<b>1642655</b>	<b>1547785</b>	<b>6.1</b>

Production of tyres in the country grew 11.7% during 2016-17. Among the various categories of auto tyres manufactured in the country in 2016-17, production of all categories of tyres such as tractor, passenger car/Jeep, light and small commercial vehicles, motor cycles/moped and scooter increased except the most prominent truck and bus tyres, which showed a negative growth of 3.7%.

During 2017-18, the consumption of NR in India is anticipated to rise 2.5% to 1,070,000 tonne.

### **Trade in NR**

As per the statistics published by the Directorate General of Commercial Intelligence & Statistics (DGCI&S), the country imported 426,188 tonnes during 2016-17. Total import of NR was 458,374 tonnes during 2015-16. Duty free import of NR accounted for 23% of the total import in 2016-17. Among the various source countries, Indonesia alone accounted for 52.7% of the total volume imported in India during the year, followed by Thailand (18.7%) and Vietnam (17.9%). Of the various forms of NR imported during the year, 82.4% was Solid Block Rubber.

Export of NR increased to 20,920 tonnes in 2016-17 from 865 tonnes in 2015-16. Export of NR was mainly in the form of latex concentrates (66%) and block rubber (31%). Exporters utilized the advantage of price differential between domestic and international price of latex concentrates and block rubber from November'16 to March'17.

### **Stock of NR**

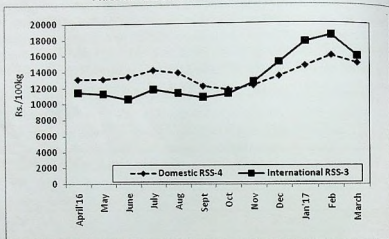
Estimated total stock of NR with growers, processors, traders and manufacturers at the end of March 2017 was 264,000 tonnes as against the quantity of 224,000 tonnes held at the same point of time a year ago. Stock of NR at the end of March 2018 is projected to be 250,000 tonnes.

### **Price of Natural Rubber**

Annual average price for domestic RSS 4 grade rubber for the year 2016-17 was Rs.135.49 per kg compared to Rs.113.06 per kg in 2015-16. During 2016-17, the average price of international RSS 3 grade was Rs.131.78 per kg and it was

Rs.96.36 per kg during 2015-16. Domestic RSS 4 price peaked at Rs.161.50 per kg on 15 February 2017 and international price of RSS 3 peaked at Rs.200.89 per kg on 31 January 2017. Domestic RSS 4 price was ruling above the international RSS 3 price from April'16 to October'16 and a reverse trend was observed throughout the remaining part of the year. Towards the end of 2016-17, both domestic and international rubber prices improved on account of supply tightness due to repeated floods in Thailand, firming up of US Dollar against Asian currencies, increase in futures market prices, increased demand from China, etc. The monthly average prices of domestic (RSS 4 at Kottayam) and International (RSS 3 at Bangkok) markets during 2016-17 is depicted in the following chart.

**PRICE OF NATURAL RUBBER 2016-17**



### ***Repealing of cess related sections in the Rubber Act & Goods and Services Tax (GST)***

The levy of cess on NR produced in India has been dispensed with, with effect from 1<sup>st</sup> July 2017. The Section 12 and Clause (b) of Sub-Section (1) of Section 9 of the Rubber Act 1947 relating to cess on rubber has been repealed as per the Taxation Laws (Amendment) Act 2017. The GST rate for NR is 5%.

### **Synthetic Rubber (SR)**

Synthetic Rubber production in the country increased to 222,744 tonnes

during 2016-17 from 199,845 tonnes during 2015-16, registering a growth of 11.5% as against a growth of 31.6% during 2015-16. Shares of styrene butadiene rubber and poly-butadiene rubber were 43.4% and 52.3% respectively during 2016-17.

SR consumption in India increased to 598,580 tonnes during 2016-17 registering a growth of 8.2% as against 553,370 tonnes consumed during 2015-16. The automotive tyre sector consumed 417,728 tonnes of SR during 2016-17 as against 377,090 tonnes during 2015-16, recording a growth of 10.8 %. During 2016-17, the ratio of consumption between NR and SR in India was 64:36.

Import of SR by rubber goods manufacturing industry during 2016-17 increased to 379,791 tonnes compared to 351,301 tonnes during 2015-16.

#### **World Rubber Situation – 2016 Production**

According to the International Rubber Study Group (IRSG), world NR production during 2016 was 12.401 million tonnes as against 12.271 million tonnes produced in 2015 registering a marginal increase of 1.1%. During 2016, NR production in main producing countries viz; Thailand, China and Malaysia decreased, whereas production in Indonesia, Vietnam and India increased. The world SR production during 2016 increased to 14.831 million tonnes from 14.507 million tonnes during 2015, recording a growth of 2.2%.

**Country-wise production of NR ('000 Tonnes)**

Country	2016p	2015	% Growth
Thailand	4469	4473	-0.1
Indonesia	3208	3145	2.0
Vietnam	1032	1013	1.9
China	774	794	-2.5
Malaysia	674	722	-6.7
India	624	575	8.5
Others	1620	1549	4.6
<b>World Total</b>	<b>12401</b>	<b>12271</b>	<b>1.1</b>

Source: Rubber Statistical Bulletin, Vol.72, No.1-3, July-September 2017 of International Rubber Study Group (IRSG).



### Consumption

World NR consumption increased to 12.589 million tonnes in 2016 recording a growth of 3.7% compared to 12.140 million tonnes in 2015 with a negative growth of 0.3%. Consumption of NR in China, India, Thailand, Indonesia and Malaysia increased by 3.9%, 4.0%, 8.2%, 14.5% and 2.3% respectively during 2016 on previous year. NR consumption in USA, Japan and South Korea showed negative growth of 0.5%, 2.0% and 1.8% respectively during 2016 compared to 2015. World SR consumption increased to 14.932 million tonnes during 2016 from 14.621 million tonnes during 2015, recording a growth of 2.1%. World NR and SR consumption ratio during 2016 was 46:54 whereas, it was 45:55 during 2015.

Country-wise consumption of NR ('000 Tonnes)

Country	2016p	2015	% Growth
China	4863	4680	3.9
India	1033	993	4.0
U.S.A.	932	937	-0.5
Japan	677	691	-2.0
Thailand	650	601	8.2
Indonesia	583	509	14.5
Malaysia	486	475	2.3
Brazil	428	405	5.7
South Korea	381	388	-1.8
Others	2556	2461	3.9
<b>World Total</b>	<b>12589</b>	<b>12140</b>	<b>3.7</b>

Source: Rubber Statistical Bulletin, Vol.72, No.1-3, July-September 2017 of International Rubber Study Group (IRSG).

According to IRSG, the world supply-demand balance of NR showed a deficit of 188,000 tonnes during 2016.

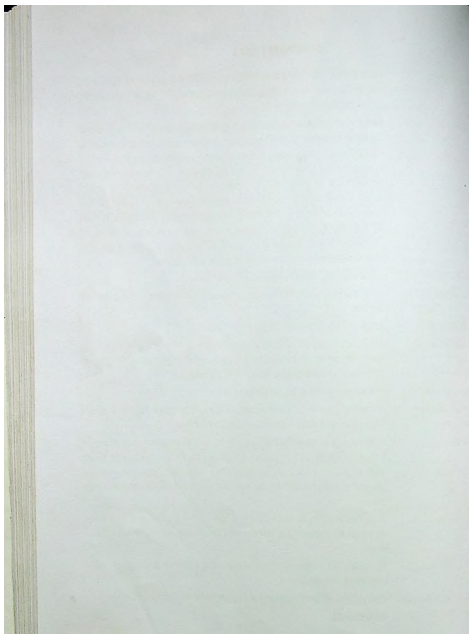
Kottayam,  
25.09.2017.

Dr. B. Nair

Remesh B Nair  
Joint Director  
Statistics & Planning Dept.

## 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.
Tappable area	Area occupied by rubber plants, at least 70 per cent of which have attained the prescribed girth of 50 cm, at a height of 125 cm from the bud union, for harvesting.
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

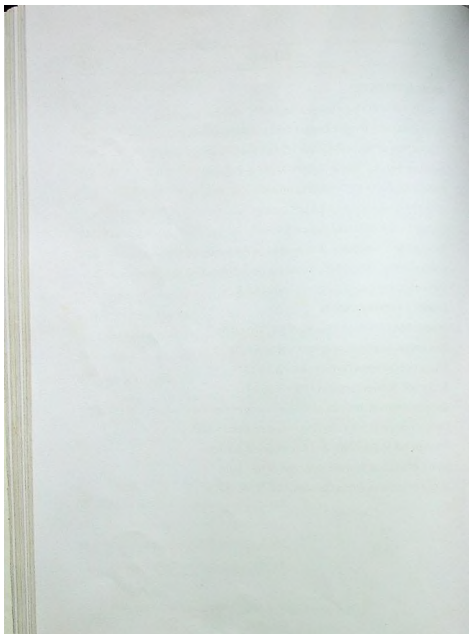


## CONTENTS

Table	Subject	Page
<b>1</b>	<b>NATURAL RUBBER IN INDIA</b>	
<b>1.1</b>	<b>AREA AND PRODUCTION</b>	
1	Area Annually Planted with Rubber	1
2	Total Rubber Area, Tappable and Tapped Area	1
3	Tapped Area, Production & Average Yield	1
4	State-wise Area under Rubber	2
5	Tapped Area, Production and Average Yield per hectare in different States	3
6	Number of Units and Area occupied by Holdings and Estates	3
7	District-wise Area & Production of Rubber in Kerala State	4
8	Production of different forms of NR	5
<b>1.2</b>	<b>CONSUMPTION</b>	
9	Consumption of different forms of NR	5
10	Tyre & Non-Tyre Consumption of NR	5
<b>1.3</b>	<b>IMPORT</b>	
11	Import of different forms of NR	6
12	Channel-wise Import of NR	6
13	Import of NR through different Ports	7
14	Import of NR according to Source Countries	7
<b>1.4</b>	<b>EXPORT</b>	
15	Quantity and Value of Export of NR	8
16	Type-wise Export of NR	8
17	Export of NR according to Destination Countries	8
18	Monthly Production and Consumption of NR	9
19	Monthly Import and Export of NR	9
<b>1.5</b>	<b>STOCK</b>	
20	Stock of Natural Rubber	10

Table	Subject	Page
<b>2</b>	<b>SYNTHETIC RUBBER</b>	
21	Type-wise Production of SR	11
22	Type-wise Consumption of SR	11
23	Production, Import, Consumption & Stock of SR	12
24	SR:NR Composition of Tyre & Non-Tyre Consumption	12
<b>3</b>	<b>NATURAL, SYNTHETIC &amp; RECLAIMED RUBBER</b>	
25	State-wise Consumption of all kinds of Rubber	13
26	Consumption of all kinds of rubber according to End Products	14
27	Distribution of Manufacturers according to their total Consumption of Rubber	15
28	Distribution of Manufacturers according to Consumption of NR	16
<b>4</b>	<b>PRICE OF RUBBER</b>	
29	Price of different Grades of Natural Rubber	17
30	Comparison of Domestic and International Prices of NR	18
<b>5</b>	<b>MISCELLANEOUS</b>	
31	Number of Licensed Dealers in different States	19
32	Number of Licensed Dealers in different Districts in Kerala state	19
33	Number of Licensed Manufacturers in different States	20
34	Category-wise Production of Tyres	21
35	Category-wise Production of Tubes	22
36	Automobile Production and Export	23
37	Value of Rubber Products Exported	24
38	Value of Rubber Products Imported	25
39	Financial Performance during 12 <sup>th</sup> Plan	26
40	Cess Collected	27
41	Planting Materials Generated in Board's Nurseries	27

Table	Subject	Page
6	<b>WORLD STATISTICS</b>	
42	Area Planted during each year in ANRPC Member Countries	28
43	Total Rubber Area and Tapped Area in ANRPC Member Countries	29
44	Production of Natural Rubber in Main Producing Countries	30
45	Average Annual Yield in ANRPC Member Countries	31
46	Consumption of NR in Main Consuming Countries	32
47	Country-wise Import of Natural Rubber	33
48	Country-wise Export of Natural Rubber	34
49	Production of Synthetic Rubber in Main Producing Countries	35
50	Consumption of Synthetic Rubber in Main Consuming Countries	36
51	Estimated Per Capita Consumption of NR & SR	37
	<b>CHARTS AND DIAGRAMS</b>	
1	Production of different Forms of NR - 2016-17	
2	Consumption of different Forms of NR - 2016-17	
3	Import of different Forms of NR - 2016-17	
4	Export of different Forms of NR - 2016-17	
5	Consumption of all kinds of Rubber according to End Products - 2015-16	
6	Consumption of NR according to End Products - 2015-16	
7	Price of NR in Domestic and International markets	
8	Share of India in World Production of NR - 2016	
9	Share of India in World Consumption of NR - 2016	



## 1. NATURAL RUBBER IN INDIA

### 1.1 AREA AND PRODUCTION

TABLE - 1

AREA ANNUALLY PLANTED WITH RUBBER  
(Hectares)

Year	Newplanted	Replanted	Total
2014-15	17000	15000	32000
2015-16	16000	15000	31000
2016-17p	8000	10000	18000

TABLE - 2

TOTAL RUBBER AREA, TAPPABLE AND TAPPED AREA  
(Hectares)

Year	Total area	Tappable area	Tapped area
2014-15	795135	533675	446900
2015-16	810800	558900	391000
2016-17p	818000	586000	445000

TABLE - 3

TAPPED AREA, PRODUCTION & AVERAGE YIELD

Year	Tapped area (ha)	Production (Tonnes)	Yield (Kg/ha)
2014-15	446900	645000	1443
2015-16	391000	562000	1437
2016-17p	445000	691000	1553



TABLE - 4

**STATE-WISE AREA UNDER RUBBER**  
(Hectares)

State / Union Territory	2014-15	2015-16p
<b>Traditional Region</b>		
Kerala	549955	550840
Tamil Nadu	20925	20960
<b>Traditional Total</b>	<b>570880</b>	<b>571800</b>
<b>Non-Traditional (NT) Region</b>		
<b>a) North Eastern Region</b>		
Tripura	75070	80980
Assam	51795	54950
Meghalaya	14775	15420
Nagaland	14235	14545
Manipur	3955	4095
Mizoram	3550	3560
Arunachal Pradesh	4065	6300
<b>North East Total</b>	<b>167445</b>	<b>179850</b>
<b>b) Other Non-Traditional Region</b>		
Karnataka	49210	50410
A&N Islands	805	805
Goa	1165	1165
Maharashtra	2310	2493
Odisha	1840	2736
West Bengal	850	888
Andhra Pradesh	630	653
<b>Other NT Total</b>	<b>56810</b>	<b>59150</b>
<b>Total India</b>	<b>795135</b>	<b>810800</b>

TABLE - 5

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

State	Tapped Area (ha)		Production (Tonnes)		Yield (kg/ha)	
	2014-15	2015-16p	2014-15	2015-16p	2014-15	2015-16p
Kerala	344325	296465	507700	438630	1474	1480
Tamil Nadu	15310	13335	23785	19495	1554	1462
Tripura	37020	35385	47000	44245	1270	1250
Assam	13730	11840	17310	14560	1261	1230
Meghalaya	6995	6035	8510	7360	1217	1220
Karnataka	23680	20380	34560	29400	1459	1443
Other states	5840	7560	6135	8310	1051	1099
<b>Total India</b>	<b>446900</b>	<b>391000</b>	<b>645000</b>	<b>562000</b>	<b>1443</b>	<b>1437</b>

TABLE - 6

**NUMBER OF UNITS AND AREA OCCUPIED BY HOLDINGS AND ESTATES**

Year	Small holdings*		Estates	
	No. of Units (Million)	Area (ha)	No. of Units	Area (ha)
<b>2013-14</b>	1.27	706885	537	71515
<b>2014-15</b>	1.29	723600	537	71535
<b>2015-16p</b>	1.31	739285	537	71515

\*: 'Small holdings' refer to rubber-growing units having area upto 10 ha and all others are referred to as 'Estates'.

TABLE - 7

## DISTRICT-WISE AREA &amp; PRODUCTION OF RUBBER IN KERALA STATE

District	2014-15		2015-16p	
	Total Area (ha)	Production (Tonnes)	Total Area (ha)	Production (Tonnes)
Thiruvananthapuram	32000	29200	32160	25080
Kollam	37170	35000	37240	31600
Pathanamthitta	50810	50400	50880	44510
Alappuzha	4495	4200	4500	3620
Kottayam	114340	104900	114400	88700
Idukki	40520	37300	40580	32050
Ernakulam	60020	57100	60140	48550
Thrissur	15630	14700	15660	12900
Palakkad	37800	33700	37860	29100
Malappuram	42670	36900	42750	32450
Kozhikode	21880	21500	21920	19000
Wynad	10790	7100	10790	6200
Kannur	47970	45500	48050	39020
Kasargod	33860	30200	33910	25850
<b>KERALA</b>	<b>549955</b>	<b>507700</b>	<b>550840</b>	<b>438630</b>

Chart-1  
PRODUCTION OF DIFFERENT FORMS OF NR – 2016-17

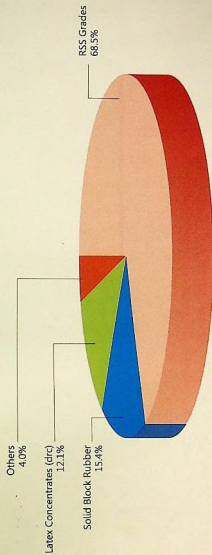




TABLE - 8

**PRODUCTION OF DIFFERENT FORMS OF NR**  
(Tonnes)

Type	2014-15	2015-16	2016-17p	% share
RSS Grades	451090	375495	473375	68.5
Solid Block Rubber	98865	92785	106560	15.4
Latex Concentrates (drc)	66520	71835	83200	12.1
Others	28525	21885	27865	4.0
<b>Total</b>	<b>645000</b>	<b>562000</b>	<b>691000</b>	<b>100</b>

## 1.2 CONSUMPTION

TABLE - 9

**CONSUMPTION OF DIFFERENT FORMS OF NR**  
(Tonnes)

Type	2014-15	2015-16	2016-17p	% share
RSS Grades	518440	459570	486470	46.6
Solid Block Rubber	394240	426215	451240	43.2
Latex Concentrates (drc)	86005	86530	82100	7.9
Others	22225	22100	24265	2.3
<b>Total</b>	<b>1020910</b>	<b>994415</b>	<b>1044075</b>	<b>100</b>

TABLE - 10

**TYRE & NON-TYRE CONSUMPTION OF NR**  
(Tonnes)

Year	Auto tyres & tubes	Non-tyre	Total	% Growth
2014-15	680849	340061	1020910	4.0
2015-16	663495	330920	994415	-2.6
2016-17p	707335	336740	1044075	5.0

### 1.3 IMPORT

TABLE - 11

#### IMPORT OF DIFFERENT FORMS OF NR (Tonnes)

Type	2014-15	2015-16	2016-17p	% share
RSS Grades	122680	105210	68485	16.1
Solid Block Rubber	309615	344150	350984	82.4
Latex Concentrates (drc)	9385	7530	6200	1.4
Others	450	1484	519	0.1
Total	442130	458374	426188	100

TABLE - 12

#### CHANNEL-WISE IMPORT OF NR (Tonnes)

Type	2014-15	2015-16	2016-17p	% share
Duty Paid	338305	357060	329767	77.4
Duty Free	103825	101314	96421	22.6
Total	442130	458374	426188	100

Chart-3  
IMPORT OF DIFFERENT FORMS OF NR – 2016-17

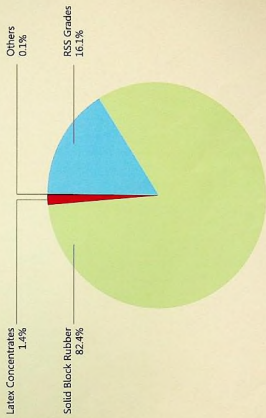






TABLE - 13

### IMPORT OF NR THROUGH DIFFERENT PORTS (Tonnes)

Port	2014-15	2015-16	2016-17p
Chennai sea	170827	209405	229250
Nhava Sheva sea	84109	99339	196938
Mundra	43480	32429	
Cochin sea	33536	25479	
Kolkata sea	5811	8681	
Petrapole land	3836	6033	
Delhi (ICD)	5961	2043	
Tuticorin sea	345	120	
ICD Bangalore	403	16	
Other ports	93822	74829	
<b>Total</b>	<b>442130</b>	<b>458374</b>	<b>426188</b>

Note: As per Gazette Notification of DGFT No: 32/2015-2020, dated 20.01.2016, import of NR is allowed only through sea ports of Chennai and Nhava Sheva.

TABLE - 14

### IMPORT OF NR ACCORDING TO SOURCE COUNTRIES (Quantity in Tonnes and Value in Million Rs)

Country	2014-15		2015-16		2016-17p	
	Quantity	Value	Quantity	Value	Quantity	Value
Indonesia	190444	21357	212293	20944	224408	23076
Thailand	113362	13313	112006	11091	79506	8403
Vietnam	94235	10108	89914	8565	76288	7532
Cote d'Ivoire	9998	1227	10362	954	19696	1873
Malaysia	19281	2213	16880	3512	11450	1363
Cambodia	1699	184	3717	349	4937	518
Bangladesh	3838	463	6049	642	4091	400
Nigeria	2339	249	968	84	1916	186
Philippines	2420	238	2903	266	1251	122
Sri Lanka	870	101	353	40	958	114
Singapore	105	11	450	41	403	36
Cameroon	1093	121	605	54	101	9
Others	2446	316	1874	174	1183	114
<b>Total</b>	<b>442130</b>	<b>49901</b>	<b>458374</b>	<b>46716</b>	<b>426188</b>	<b>43746</b>

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

## 1.4 EXPORT

TABLE - 15

### QUANTITY AND VALUE OF EXPORT OF NR

Year	Quantity (Tonnes)	Value	
		Rs Crore	Million US\$
2014-15	1002	11.5	1.7
2015-16	865	8.3	1.3
2016-17p	20920	220.9	32.9

TABLE - 16

### TYPE-WISE EXPORT OF NR (Tonnes)

Type	2014-15	2015-16	2016-17p
RSS Grades	101	152	385
Solid Block Rubber	660	486	6570
Latex Concentrates	241	227	13789
Others	0	0	176
<b>Total</b>	<b>1002</b>	<b>865</b>	<b>20920</b>

TABLE - 17

### EXPORT OF NR ACCORDING TO DESTINATION COUNTRIES (Tonnes)

Country	2014-15	2015-16	2016-17p
Malaysia	0	0	6085
China	0	0	4863
Brazil	0	0	2114
USA	0	0	1774
Iran	660	480	1543
Belgium	0	0	1193
Egypt	0	0	1036
Netherlands	0	0	569
Turkey	0	0	384
Italy	0	0	364
Nepal	232	164	219
Germany	0	0	215
UAE	47	66	109
Bulgaria	0	0	129
Sweden	0	0	84
Sri Lanka	0	152	0
Others	63	3	239
<b>Total</b>	<b>1002</b>	<b>865</b>	<b>20920</b>

Chart-4  
EXPORT OF DIFFERENT FORMS OF NR – 2016-17

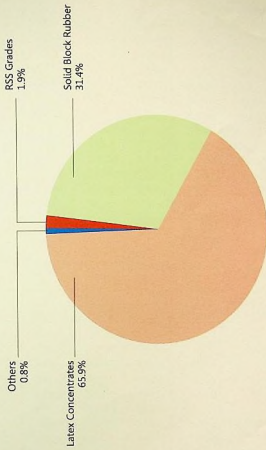




TABLE - 18

**MONTHLY PRODUCTION AND CONSUMPTION OF NR**  
(Tonnes)

Month	Production			Consumption		
	2014-15	2015-16	2016-17p	2014-15	2015-16	2016-17p
April	51000	40000	39000	81500	80815	83750
May	53000	45000	46000	83800	81765	86775
June	63000	47000	50000	85285	80955	88065
July	54000	47000	52000	88400	83400	88340
August	51000	48000	58000	86300	82725	87000
September	60000	50000	60000	86280	81600	84000
October	55000	52000	62000	82000	82650	85000
November	60000	53000	65000	85300	77880	87765
December	63000	58000	70000	85820	85250	85280
January	58000	52000	72000	83850	84875	84600
February	42000	37000	62000	83025	84320	87500
March	35000	33000	55000	89350	88180	96000
<b>Total</b>	<b>645000</b>	<b>562000</b>	<b>691000</b>	<b>1020910</b>	<b>994415</b>	<b>1044075</b>

TABLE - 19

**MONTHLY IMPORT AND EXPORT OF NR**  
(Tonnes)

Month	Import			Export		
	2014-15	2015-16	2016-17p	2014-15	2015-16	2016-17p
April	29430	36957	34550	28	8	91
May	37918	36964	35445	32	0	98
June	33377	38923	37336	61	6	44
July	43133	41917	41258	55	39	42
August	49108	37413	48853	8	155	28
September	43674	42713	52974	8	25	222
October	42625	43276	44601	8	113	125
November	37445	35226	40831	83	88	640
December	34324	45586	25076	118	23	2232
January	29141	39512	24279	117	214	6329
February	30879	31864	15690	211	161	6212
March	31076	28023	25295	273	33	4857
<b>Total</b>	<b>442130</b>	<b>458374</b>	<b>426188</b>	<b>1002</b>	<b>865</b>	<b>20920</b>

## 1.5 STOCK

TABLE - 20

### STOCK OF NATURAL RUBBER WITH GROWERS, DEALERS AND MANUFACTURERS AT THE END OF EACH MONTH

('000 Tonnes)

Month	2014-15			2015-16			2016-17p		
	G&D	M	T	G&D	M	T	G&D	M	T
April	148.5	81.5	230.0	162.3	79.7	242.0	128.2	84.8	213.0
May	127.5	77.5	205.0	153.7	83.3	237.0	123.8	83.2	207.0
June	136.0	76.0	212.0	151.0	83.0	234.0	129.0	79.0	208.0
July	119.0	73.0	192.0	146.2	83.8	230.0	136.6	74.4	211.0
August	114.0	71.0	185.0	154.1	80.9	235.0	145.0	76.0	221.0
September	124.8	75.2	200.0	159.0	81.0	240.0	158.4	86.6	245.0
October	129.0	76.0	205.0	162.1	87.9	250.0	160.5	99.5	260.0
November	132.0	78.0	210.0	168.8	86.2	255.0	172.0	98.0	270.0
December	137.0	88.0	225.0	169.0	91.0	260.0	165.0	107.0	272.0
January	160.0	88.0	248.0	167.0	97.0	264.0	168.0	109.0	277.0
February	137.0	93.0	230.0	148.7	99.3	248.0	161.0	119.0	280.0
March	169.0	83.0	252.0	134.0	90.0	224.0	148.0	116.0	264.0

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

## 2. SYNTHETIC RUBBER

TABLE - 21

TYPE-WISE PRODUCTION OF SR  
(Tonnes)

Type	2014-15	2015-16	2016-17p
Styrene Butadiene Rubber (SBR) <sup>a</sup>	14128	60457	85111
Polybutadiene	105925	111807	116557
Latex(drc)*	21973	17009	11909
Nitrile	9865	10572	9167
<b>Total</b>	<b>151891</b>	<b>199845</b>	<b>222744</b>

\* : including HSR

\* : includes SBR Latex, VP Latex and Nitrile Latex

TABLE - 22

TYPE-WISE CONSUMPTION OF SR  
(Tonnes)

Type	2014-15	2015-16	2016-17p
Styrene Butadiene Rubber <sup>®</sup>	217450	250610	278800
Polybutadiene	171085	172155	184720
Butyl	81960	79700	87465
Others <sup>^</sup>	65635	50905	47595
<b>Total</b>	<b>536130</b>	<b>553370</b>	<b>598580</b>

<sup>®</sup>: includes SBR Latex

<sup>^</sup>: includes Polychloroprene, Nitrile, Latex (drc), EPDM and unclassified synthetic rubber.



TABLE - 23

## PRODUCTION, IMPORT, CONSUMPTION &amp; STOCK OF SR (Tonnes)

Year	Production	Import	Consumption	Stock at the end of the year
2014-15	151891	402170	536130	63320
2015-16	199845	351301	553370	61095
2016-17p	222744	379791	598580	65050

TABLE - 24

## SR:NR COMPOSITION OF TYRE &amp; NON TYRE CONSUMPTION

Year	INDIA			WORLD* (SR:NR)
	TYRE	NON-TYRE	TOTAL	
2014-15	35:65	33:67	34:66	54:46
2015-16	36:64	35:65	36:64	55:45
2016-17p	37:63	35:65	36:64	54:46

\*: Calendar year

### 3. NATURAL, SYNTHETIC & RECLAIMED RUBBER

TABLE - 25

STATE-WISE CONSUMPTION OF ALL KINDS OF RUBBER (Tonnes)

State/Union Territory	2014-15			
	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	70790	37910	13500	122200
Goa	37820	14205	1090	53115
Gujarat	91920	48785	5130	145835
Haryana	34980	21530	3600	60110
Karnataka	62175	21495	7300	90970
Kerala	131995	62990	15445	210430
Madhya Pradesh**	32750	29710	3850	66310
Maharashtra	103380	79965	14820	198165
Odisha	9500	3505	390	13395
Punjab*	67700	11720	19860	99280
Rajasthan	70625	38595	6840	116060
Tamil Nadu	203145	131920	22400	357465
Uttar Pradesh	36970	11340	6160	54470
Uttarakhand	40945	13300	5200	59445
West Bengal	12440	2210	880	15530
Others	13775	6950	2600	23325
<b>Total</b>	<b>1020910</b>	<b>536130</b>	<b>129065</b>	<b>1686105</b>
State/Union Territory	2015-16p			
	Natural	Synthetic	Reclaimed	Total
Andhra Pradesh	67960	49150	13250	130360
Goa	35750	14780	800	51330
Gujarat	92250	51300	4150	147700
Haryana	37270	22300	2780	62350
Karnataka	57150	20160	5400	82710
Kerala	127400	61240	13990	202630
Madhya Pradesh**	25150	26265	3400	54815
Maharashtra	105370	88260	15635	209265
Odisha	12750	6900	600	20250
Punjab*	65825	13585	16960	96370
Rajasthan	62890	34925	6250	104065
Tamil Nadu	214200	135180	21360	370740
Uttar Pradesh	35385	10850	5850	52085
Uttarakhand	28500	8250	4850	41600
West Bengal	11555	2050	550	14155
Others	15010	8175	2585	25770
<b>Total</b>	<b>994415</b>	<b>553370</b>	<b>118410</b>	<b>1666195</b>

\*: Including Chandigarh

\*\* : including Chattisgarh

TABLE - 26

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

Products	2014-15				
	NR	SR	RR	Total	% share
Auto tyres & tubes*	682350	382690	49640	<b>1114680</b>	66.1
Cycle tyres & tubes	75465	29585	26750	<b>131800</b>	7.8
Camel back	44675	31785	4730	<b>81190</b>	4.8
Footwears	62635	35190	9650	<b>107475</b>	6.4
Belts and hoses	42170	17730	10750	<b>70650</b>	4.2
Latex foam	28385	0	0	<b>28385</b>	1.7
Dipped goods	41215	0	0	<b>41215</b>	2.4
Others	44015	39150	27545	<b>110710</b>	6.6
<b>Total</b>	<b>1020910</b>	<b>536130</b>	<b>129065</b>	<b>1686105</b>	<b>100</b>

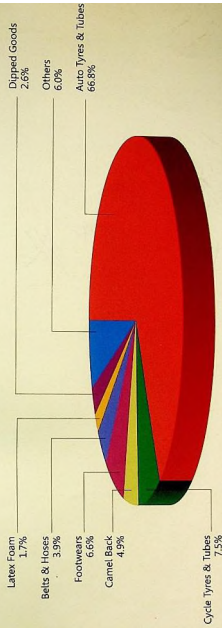
Products	2015-16p				
	NR	SR	RR	Total	% share
Auto tyres & tubes*	670900	392950	49900	<b>1113750</b>	66.8
Cycle tyres & tubes	67295	32435	24800	<b>124530</b>	7.5
Camel back	45835	31340	4860	<b>82035</b>	4.9
Footwears	63690	36705	10380	<b>110775</b>	6.6
Belts and hoses	36670	17700	9945	<b>64315</b>	3.9
Latex foam	28500	0	0	<b>28500</b>	1.7
Dipped goods	42940	0	0	<b>42940</b>	2.6
Others	38585	42240	18525	<b>99350</b>	6.0
<b>Total</b>	<b>994415</b>	<b>553370</b>	<b>118410</b>	<b>1666195</b>	<b>100</b>

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

NR - Natural Rubber, SR - Synthetic Rubber, RR - Reclaimed Rubber

Chart-5

# CONSUMPTION OF ALL KINDS OF RUBBER ACCORDING TO END PRODUCTS – 2015-16



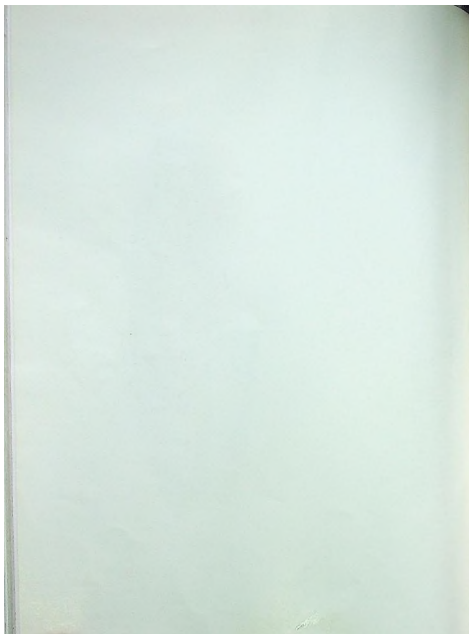


Chart-6  
CONSUMPTION OF NR  
ACCORDING TO END PRODUCTS – 2015-16

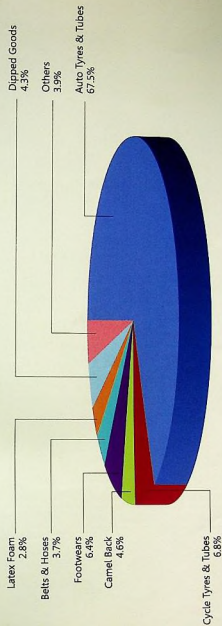




TABLE - 27

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

Consumption Group	No. of Manufacturers	2014-15				
		CONSUMPTION				
		NR	SR	RR	Total	% share
A	1607	6290	6570	1155	14015	0.8
B	1435	36080	14850	7100	58030	3.4
C	602	30395	16980	7750	55125	3.3
D	518	103895	50470	27020	181385	10.8
E	66	31790	16790	9800	58380	3.5
F	79	812460	430470	76240	1319170	78.2
<b>Total</b>	<b>4307</b>	<b>1020910</b>	<b>536130</b>	<b>129065</b>	<b>1686105</b>	<b>100</b>

Consumption Group	No. of Manufacturers	2015-16p				
		CONSUMPTION				
		NR	SR	RR	Total	% share
A	1638	5965	6460	1070	13495	0.8
B	1460	32400	16180	6700	55280	3.3
C	617	29370	18990	7810	56170	3.4
D	495	89200	49280	22435	160915	9.6
E	68	30550	17140	8465	56155	3.4
F	85	806930	445320	71930	1324180	79.5
<b>Total</b>	<b>4363</b>	<b>994415</b>	<b>553370</b>	<b>118410</b>	<b>1666195</b>	<b>100</b>

Note: A: 10 tonnes & below,

B: above 10 tonnes and upto & including 50 tonnes,

C: above 50 tonnes and upto & including 100 tonnes,

D: above 100 tonnes and upto & including 500 tonnes,

E: above 500 tonnes and upto & including 1000 tonnes,

F: above 1000 Tonnes.



TABLE - 28

## DISTRIBUTION OF MANUFACTURERS ACCORDING TO CONSUMPTION OF NR

Consumption Group	2014-15			2015-16p		
	No. of Manufacturers	NR Consumption		No. of Manufacturers	NR Consumption	
		Tonnes	% share		Tonnes	% share
A	1644	7210	0.7	1741	7795	0.8
B	1597	38920	3.8	1622	36900	3.7
C	508	36208	3.6	480	34000	3.4
D	445	102330	10.0	405	86260	8.7
E	50	34542	3.4	54	38785	3.9
F	63	801700	78.5	61	790675	79.5
<b>Total</b>	<b>4307</b>	<b>1020910</b>	<b>100</b>	<b>4363</b>	<b>994415</b>	<b>100</b>

Note: A: 10 tonnes & below,

B: above 10 tonnes and upto & including 50 tonnes,

C: above 50 tonnes and upto & including 100 tonnes,

D: above 100 tonnes and upto & including 500 tonnes,

E: above 500 tonnes and upto & including 1000 tonnes,

F: above 1000 Tonnes.

#### 4. PRICE OF RUBBER

TABLE - 29

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
2014-15	14675	13657	13406	13257	12340	11354	15744	11440
2015-16	13433	12111	11578	11306	10975	10044	14713	10042
2016-17	14407	14041	13787	13549	12995	11753	14851	11922
2014	15669	14195	13842	13658	13187	12301	17372	12427
2015	13777	12749	12371	12141	11349	10383	14816	10410
2016	13448	12859	12477	12242	11828	10713	14124	10754

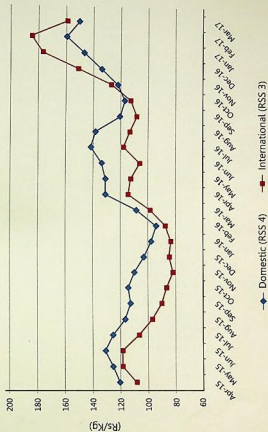
TABLE - 30

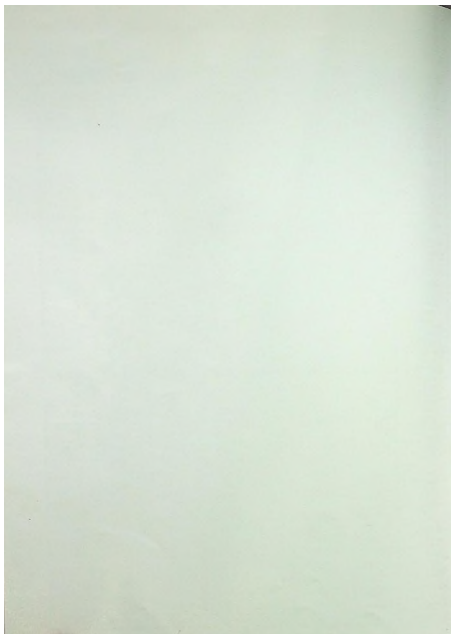
## COMPARISON OF DOMESTIC AND INTERNATIONAL PRICES OF NR (Rs/100 kg)

Month/Year		RSS 4 Domestic (Kottayam)	RSS 3 International (Bangkok)	Latex (60% drc)		ISNR 20 Domestic	SMR 20 International (Kuala Lumpur)
				Domestic	International (Kuala Lumpur)		
April	2014	14380	13256	19137	14843	13389	10855
May	"	14341	12345	19327	14218	13500	10142
June	"	14546	12460	20310	14472	13260	10226
July	"	14115	12123	18237	14465	12287	10218
August	"	13250	11356	16417	13810	11320	10161
September	"	12328	10130	14598	12563	10450	9312
October	"	12327	9985	13527	12073	10752	9244
November	"	11858	10155	13417	12370	10415	9411
December	"	11982	10228	13605	11032	10079	9233
January	2015	12745	10582	13780	11062	10853	8877
February	"	13744	11417	13405	11190	10548	8755
March	"	13470	11212	13163	12035	10427	8815
<b>Average</b>	<b>2014-15</b>	<b>13257</b>	<b>11271</b>	<b>15744</b>	<b>12844</b>	<b>11440</b>	<b>9604</b>
April	2015	12058	10819	14020	12005	10405	8756
May	"	12510	11809	17048	13403	11270	9712
June	"	13098	11813	19415	14358	12045	10072
July	"	12537	10622	18302	12403	11326	9180
August	"	11665	9661	14098	11318	10270	8506
September	"	11218	8961	13635	10738	9902	8301
October	"	11410	8628	14443	10433	10264	8198
November	"	10954	8163	13770	9723	9129	7771
December	"	10279	8412	12708	9443	8482	7772
January	2016	9780	8305	13143	9103	8500	7321
February	"	9355	8668	12860	9835	8638	7534
March	"	10812	9776	13108	11398	10275	8651
<b>Average</b>	<b>2015-16</b>	<b>11306</b>	<b>9636</b>	<b>14713</b>	<b>11180</b>	<b>10042</b>	<b>8481</b>
April	2016	13062	11416	17163	13680	12225	9930
May	"	13076	11231	16978	13602	11714	9137
June	"	13375	10556	16485	12392	11500	8558
July	"	14177	11788	15653	12442	11936	8656
August	"	13850	11305	13587	12383	11477	8719
September	"	12142	10814	12153	12588	9728	9124
October	"	11692	11253	11963	13225	9848	9916
November	"	12214	12677	12575	14212	10964	11271
December	"	13370	15105	13817	15860	12243	12971
January	2017	14666	17654	14968	18370	13683	14843
February	"	15942	18451	16930	20372	14565	14804
March	"	15024	15889	15935	18407	13183	13025
<b>Average</b>	<b>2016-17</b>	<b>13549</b>	<b>13178</b>	<b>14851</b>	<b>14794</b>	<b>11922</b>	<b>10913</b>

Chart-7

# PRICE OF NR IN DOMESTIC AND INTERNATIONAL MARKETS





## 5. MISCELLANEOUS

TABLE - 31

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

State/Union Territory	2014-15	2015-16	2016-17
Kerala	7462	7115	6686
Tripura	538	521	529
Tamil Nadu	252	239	242
Punjab*	147	148	145
Karnataka	130	136	140
Delhi	107	108	101
Maharashtra	88	79	73
West Bengal	75	74	73
Uttar Pradesh	62	65	56
Assam	59	63	55
Others	163	162	152
Total	9083	8710	8252

\* : Includes Chandigarh

TABLE - 32

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

District	2014-15	2015-16	2016-17
Thiruvananthapuram	791	751	690
Kollam	1227	1105	989
Pathanamthitta	875	826	759
Alappuzha	164	148	138
Kottayam	1481	1456	1370
Idukki	268	255	245
Ernakulam	768	732	652
Thrissur	151	142	133
Palakkad	419	398	393
Malappuram	430	407	404
Kozhikode	154	155	150
Wynad	63	60	56
Kannur	504	510	517
Kasargod	167	170	190
Total	7462	7115	6686

TABLE - 33

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

State/ Union Territory	2014-15	2015-16	2016-17
Kerala	724	744	734
Maharashtra	503	512	500
Tamil Nadu	455	496	469
Punjab*	381	395	396
Uttar Pradesh	401	404	393
West Bengal	301	294	299
Gujarat	422	421	427
Haryana	307	316	311
Karnataka	191	192	189
Delhi	110	105	104
Andhra Pradesh & Telungana	143	140	141
Rajasthan	148	131	132
Madhya Pradesh	72	66	61
Goa	26	25	22
Jharkhand	24	23	24
Chattisgarh	8	9	9
Odisha	9	9	9
Assam	7	8	7
Uttarakhand	25	25	24
Himachal Pradesh	24	24	23
Bihar	2	2	1
Others <sup>®</sup>	24	22	20
<b>Total</b>	<b>4307</b>	<b>4363</b>	<b>4295</b>

\*: includes Chandigarh

®: Others include Jammu &amp; Kashmir, Pondicherry and Tripura

TABLE - 34

## CATEGORY-WISE PRODUCTION OF TYRES ('000 numbers)

Category	2014-15	2015-16	2016-17p
Truck & Bus	17112	16764	16137
Tractor	5984	5675	6818
Passenger car / Jeep	35743	38702	44687
L.C.V. / S.C.V.	10202	9728	10367
Motor Cycles / Moped	56958	57771	63102
Scooter	19031	22172	27654
O.T.R.	427	498	333
Others <sup>a</sup>	694	723	694
<b>Total</b>	<b>146151</b>	<b>152033</b>	<b>169792</b>

<sup>a</sup> Includes A.D.V. and Industrial

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****CATEGORY-WISE PRODUCTION OF TUBES ('000 numbers)**

Category	2013-14	2014-15	2015-16	2016-17 <sup>p</sup>
<b>Truck &amp; Bus</b>	15133	15813	15946	13787
<b>Tractor</b>	2682	2550	2380	2498
<b>Passenger car / Jeep</b>	10448	10096	9674	8797
<b>L.C.V. / S.C.V.</b>	8806	9153	8079	8446
<b>Motor Cycles / Moped</b>	48723	50618	49264	53718
<b>Scooter</b>	12336	10298	9738	9551
<b>O.T.R.</b>	93	119	130	164
<b>Others<sup>a</sup></b>	304	367	232	156
<b>Total</b>	<b>98525</b>	<b>99014</b>	<b>95443</b>	<b>97117</b>

<sup>a</sup>: Includes A.D.V. and Industrial

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)

Category	Production		Export	
	2015-16	2016-17p	2015-16	2016-17p
Passenger Vehicles	3465	3792	653	759
Commercial Vehicles	787	810	103	108
Three Wheelers	934	783	404	272
Two Wheelers	18830	19929	2483	2339
Total	24016	25314	3643	3478

Source: Society of Indian Automobile Manufacturers, New Delhi

TABLE - 37

## VALUE OF RUBBER PRODUCTS EXPORTED

(Rs Crore)

Products	2014-15	2015-16	2016-17 <sup>p</sup>
<b>a) Auto Tyres and Tubes Panel:</b>			
Auto Tyres	9621.9	8667.0	9616.8
Auto Tubes	327.9	294.1	282.1
Tyre Flaps	121.1	116.4	150.5
<b>Total (a)</b>	<b>10070.9</b>	<b>9077.5</b>	<b>10049.4</b>
<b>b) Rubber Products Panel:</b>			
Automotive Components *	40.3	38.2	55.3
Bicycle Tubes	242.9	194.0	178.0
Bicycle Tyres	321.9	305.8	250.7
Conveyor, Transmission, V Belts	704.0	675.3	698.9
Floor Covering & Mats	388.8	415.4	440.8
Gaskets, Washers & Seals	452.1	508.7	800.6
Hoses	555.4	577.6	623.8
Latex, Dipped & Medical including Contraceptives	562.0	527.7	580.9
Reclaim Rubber & Waste Pairings & Scrap	504.9	476.9	474.2
Rubber Coats & Aprons	36.9	44.6	44.9
Rubber Products NES	78.2	87.7	72.5
Rubber Sheets	2276.6	1732.2	1770.2
Tyre Retread/Camel Back	379.3	451.6	483.0
<b>Total (b)</b>	<b>6543.3</b>	<b>6035.7</b>	<b>6473.8</b>
<b>c) Footwear of rubber/canvas etc.</b>	<b>1873.7</b>	<b>2008.2</b>	<b>2268.4</b>
<b>Grand Total (a+b+c)</b>	<b>18487.9</b>	<b>17121.4</b>	<b>18791.6</b>

\*: Excluding suspension shock absorbers

Source: Export-Import Data Bank, Department of Commerce.

TABLE - 38

**VALUE OF RUBBER PRODUCTS IMPORTED**  
(Rs Crore)

Products	2014-15	2015-16	2016-17p
Tyres	2640.4	3295.5	3339.0
Tubes	59.2	57.9	49.1
Flaps	19.2	28.7	29.5
Hygienic & Pharmaceuticals	34.6	45.3	41.2
Belting	463.9	479.2	491.0
Latex Foam Sponge	3.3	3.2	2.5
Ebonite	2.1	2.4	2.9
Vulcanised Rubber Thread & Cord	56.6	83.3	80.2
Other articles of rubber	4325.7	4632.0	4604.5
<b>Total</b>	<b>7605.0</b>	<b>8627.5</b>	<b>8639.9</b>

Source: Export-Import Data Bank, Department of Commerce.

TABLE - 39

## FINANCIAL PERFORMANCE DURING XII PLAN (Rs Crore)

Scheme: Sustainable and Inclusive Development of Natural Rubber Sector

Major Components	12 <sup>th</sup> Plan Approved Outlay	Expenditure					12 <sup>th</sup> Plan Total
		2012-13	2013-14	2014-15	2015-16	2016-17	
Rubber Plantation Development & Extension	726.99	105.29	107.87	116.92	113.12	86.91	530.11
Strengthening Research	111.20	28.52	28.21	26.69	23.67	22.40	129.49
Technology Upgradation & Market Development	53.25	13.05	13.65	8.02	10.34	5.49	50.55
Human Resource Development	33.06	5.41	5.99	5.64	5.65	4.59	27.28
Infrastructure Development	25.50	4.64	3.95	3.58	3.48	1.20	16.85
Statistical Services, Information Services and e-Governance Programme	10.00	1.18	1.36	1.38	1.39	0.75	6.06
<b>Total</b>	<b>960.00</b>	<b>158.09</b>	<b>161.03</b>	<b>162.23</b>	<b>157.65</b>	<b>121.34</b>	<b>760.34</b>

TABLE - 40

## CESS COLLECTED

Year	Rs Crore
2014-15	106.49
2015-16	103.84
2016-17	104.31

TABLE - 41

## PLANTING MATERIALS GENERATED IN BOARD'S NURSERIES

Year	Brown Budded Stumps	Green Budded Stumps	Root trainer plant	Polybags	Budwood
	(lakh numbers)				(lakh metres)
2015	2.91	0.90	4.21	0.48	1.00
2016	3.35	0.00	5.76	0.36	1.35

## 6. WORLD STATISTICS

TABLE - 42

### AREA PLANTED DURING EACH YEAR IN ANRPC MEMBER COUNTRIES (‘000 Hectares)

COUNTRY	2014		2015		2016p	
	NP	RP	NP	RP	NP	RP
Cambodia	27.3	1.8	30.1	0.6	43.7	0.1
China	18.0	7.4	5.0	20.0	4.0	16.0
<b>India</b>	<b>17.0</b>	<b>15.0</b>	<b>16.0</b>	<b>15.0</b>	<b>8.0</b>	<b>10.0</b>
Indonesia	50.0	45.0	15.0	45.0	18.0	45.0
Malaysia	11.8	39.9	9.9	35.9	6.8	24.6
Philippines	35.3	1.4	23.4	1.7	11.7	1.0
Sri Lanka	1.6	2.9	1.0	3.3	0.6	0.6
Thailand	33.2	38.6	20.0	33.3	18.6	29.6
Vietnam	23.1	17.0	10.7	22.0	0.8	25.0

NP: 'Newplanted area' refers to the cultivation of rubber in virgin lands or lands previously occupied by other crops or land uses.

RP: 'Replanted area' refers to the cultivation of rubber after uprooting the rubber trees occupied in the same land.

Source: Natural Rubber Trends and Statistics, Vol. 9, No. 8, August 2017 of Association of Natural Rubber Producing Countries (ANRPC), Malaysia.

TABLE - 43

**TOTAL RUBBER AREA AND TAPPED AREA IN ANRPC MEMBER COUNTRIES**  
(<sup>'000 Hectares</sup>)

COUNTRY	2014		2015		2016p	
	Total Area	Tapped Area	Total Area	Tapped Area	Total Area	Tapped Area
Cambodia	357.8	90.5	388.9	111.2	432.7	127.7
China	1161.0	695.0	1159.0	711.0	1159.0	720.0
<b>India</b>	<b>795.1</b>	<b>446.9</b>	<b>810.8</b>	<b>391.0</b>	<b>818.0</b>	<b>445.0</b>
Indonesia	3606.0	2995.0	3621.0	3036.0	3639.0	3021.0
Malaysia	1065.6	500.0	1074.5	512.0	1072.9	481.1
Philippines	217.7	120.2	222.6	116.9	223.3	142.7
Sri Lanka	135.7	102.3	136.6	89.3	136.3	96.4
Thailand	3773.0	2905.4	3769.7	2994.7	3734.4	3117.6
Vietnam	978.9	570.0	985.6	604.3	976.4	622.2

Source: Natural Rubber Trends and Statistics, Vol. 9, No. 8, August 2017 of Association of Natural Rubber Producing Countries (ANRPC), Malaysia.



TABLE - 44

**PRODUCTION OF NATURAL RUBBER IN MAIN PRODUCING COUNTRIES**  
( '000 Tonnes)

Country	2014	2015	2016p	% share
G Thailand	4324	4473	4469	36.0
F Indonesia	3153	3145	3208	25.9
H Vietnam	954	1013	1032	8.3
I China	840	794	774	6.2
E Malaysia	669	722	674	5.4
D India	705	575	624	5.0
Côte d'Ivoire	317	351	392	3.2
Myanmar	198	212	230	1.9
Brazil	193	199	206	1.7
B Cambodia	97	127	145	1.2
C Philippines	114	100	91	0.7
Guatemala	96	91	87	0.7
Sri Lanka	104	89	79	0.6
Laos	58	66	71	0.6
Liberia	60	59	61	0.5
Nigeria	52	51	52	0.4
Others*	208	204	206	1.7
<b>World</b>	<b>12142</b>	<b>12271</b>	<b>12401</b>	<b>100</b>

\*: Countries not reported separately

Source: Rubber Statistical Bulletin, Vol. 72, No. 1-3, July-September 2017 of International Rubber Study Group, Singapore.

Chart-8  
SHARE OF INDIA IN WORLD PRODUCTION OF NR – 2016

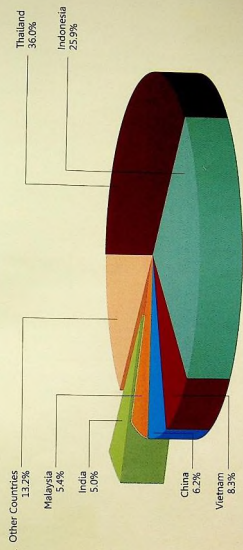


TABLE - 46

**CONSUMPTION OF NR IN MAIN CONSUMING COUNTRIES**  
(<sup>'000 Tonnes</sup>)

Country	2014	2015	2016p	% share
China	4804	4680	4863	38.6
<b>India</b>	<b>1015</b>	<b>993</b>	<b>1033</b>	8.2
U.S.A.	932	937	932	7.4
Japan	709	691	677	5.4
Thailand	541	601	650	5.2
Indonesia	540	509	583	4.6
Malaysia	447	475	486	3.9
Brazil	422	405	428	3.4
South Korea	402	388	381	3.0
Germany	227	219	226	1.8
Vietnam	160	172	194	1.5
Spain	166	168	163	1.3
Turkey	149	156	157	1.2
Sri Lanka	86	127	142	1.1
France	123	130	128	1.0
Italy	104	119	128	1.0
Canada	127	129	119	1.0
Taiwan	109	103	101	0.8
Mexico	91	98	101	0.8
Poland	114	97	95	0.8
Philippines	49	59	59	0.5
Others*	864	884	943	7.5
<b>World</b>	<b>12181</b>	<b>12140</b>	<b>12589</b>	<b>100</b>

\*: Countries not reported separately.

Source : Rubber Statistical Bulletin, Vol. 72, No. 1-3, July-September 2017 of  
International Rubber Study Group, Singapore.

Chart-9  
SHARE OF INDIA IN WORLD CONSUMPTION OF NR – 2016

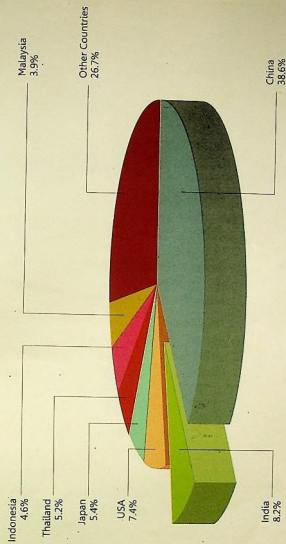




TABLE - 47

**COUNTRY-WISE IMPORT OF NATURAL RUBBER**  
(<sup>'000 Tonnes</sup>)

Country	2014	2015	2016p
China	4096	4259	4560
U.S.A.	946	952	946
Malaysia	924	955	931
Japan	689	682	660
<b>India</b>	<b>424</b>	<b>450</b>	<b>460</b>
Vietnam	254	300	418
South Korea	403	388	383
Germany	387	365	328
Brazil	230	208	223
Belgium & Luxembourg	148	184	195
Spain	171	174	167
France	157	164	163
Turkey	149	156	158
Italy	120	128	130
Canada	130	133	121
Russian Federation	75	89	106
Taiwan	112	104	103
Poland	117	101	99
Mexico	79	86	89
Czech Republic	74	72	78
Slovakia	67	68	78
Netherlands	66	41	71
Singapore	69	74	62
U.K.	62	56	44
Others*	561	559	612
<b>World</b>	<b>10510</b>	<b>10748</b>	<b>11185</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 72, No. 1-3, July-September 2017 of  
International Rubber Study Group, Singapore.

TABLE - 48

**COUNTRY-WISE EXPORT OF NATURAL RUBBER**  
( '000 Tonnes)

Country	2014	2015	2016p
Thailand	3729	3776	3922
Indonesia	2662	2680	2642
Vietnam	1066	1137	1254
Malaysia	1192	1119	1023
Côte d'Ivoire	323	348	397
Cambodia	100	128	145
Myanmar	79	86	110
Guatemala	91	86	81
Philippines	88	80	69
Liberia	60	59	61
Cameroon	55	52	50
Nigeria	39	38	21
Sri Lanka	16	10	16
India	1	1	4
Others*	354	605	584
<b>World</b>	<b>9855</b>	<b>10205</b>	<b>10379</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 72, No. 1-3, July-September 2017 of International Rubber Study Group, Singapore.

भारतीय रबड़ गवेषण संस्थान  
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पुस्तक संख्या : PRAC /

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दिनांक /Date: 2/5/18  
नाम/Initials

TABLE - 49

**PRODUCTION OF SYNTHETIC RUBBER IN MAIN PRODUCING COUNTRIES**  
(‘000 Tonnes)

<b>Country</b>	<b>2014</b>	<b>2015</b>	<b>2016p</b>
China	2801	2851	2982
U.S.A.	2312	2392	2368
Japan	1599	1668	1566
South Korea	1517	1502	1546
Russian Federation	1302	1390	1517
Germany	881	868	881
Taiwan	683	727	707
France	531	511	494
Brazil	331	421	378
Thailand	229	251	228
<b>India</b>	<b>137</b>	<b>192</b>	<b>216</b>
Italy	193	206	214
Poland	174	168	179
Czech Republic	157	154	160
Netherlands	142	141	156
Mexico	175	161	153
Belgium	105	126	151
U.K.	143	107	129
Malaysia	116	101	122
Canada	113	79	104
Spain	96	95	103
South Africa	60	59	68
Iran	65	65	46
Indonesia	58	44	43
Others*	151	228	320
<b>World</b>	<b>14071</b>	<b>14507</b>	<b>14831</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 72, No. 1-3, July-September 2017 of  
International Rubber Study Group, Singapore.



TABLE - 50

**CONSUMPTION OF SYNTHETIC RUBBER IN MAIN CONSUMING COUNTRIES**  
(<sup>'000 Tonnes</sup>)

<b>Country</b>	<b>2014</b>	<b>2015</b>	<b>2016p</b>
China	4135	4217	4388
U.S.A	1855	1969	1912
Japan	951	896	866
Russian Federation	545	520	607
<b>India</b>	<b>524</b>	<b>549</b>	<b>589</b>
Germany	583	606	587
Brazil	500	525	538
Thailand	479	472	502
Malaysia	355	394	418
Taiwan	351	384	348
Indonesia	303	310	336
Vietnam	158	254	292
South Korea	279	243	270
Turkey	243	267	266
France	251	252	240
Poland	208	234	239
Mexico	208	223	231
Spain	203	207	201
Canada	184	180	184
Italy	162	178	183
U.K.	140	155	163
Others*	1541	1586	1572
<b>World</b>	<b>14158</b>	<b>14621</b>	<b>14932</b>

\*: Countries not reported separately

Source : Rubber Statistical Bulletin, Vol. 72, No. 1-3, July-September 2017 of  
International Rubber Study Group, Singapore.

TABLE - 51

## ESTIMATED PER CAPITA CONSUMPTION OF NR &amp; SR

Country	NR+SR Consumption ('000 Tonnes)		Per capita Consumption (Kilogram)	
	2015	2016p	2015	2016p
China	8897	9251	6.47	6.59
U.S.A.	2905	2844	9.03	8.83
<b>India</b>	<b>1542</b>	<b>1622</b>	<b>1.18</b>	<b>1.22</b>
Japan	1587	1543	12.54	12.08
Thailand	1072	1152	15.78	16.72
Brazil	929	965	4.47	4.65
Indonesia	819	920	3.18	3.52
Malaysia	869	904	28.65	28.98
Germany	825	813	10.23	9.92
Russian Federation	609	713	4.25	4.95
Rep. of Korea	630	651	12.53	12.82
Vietnam	426	486	4.56	5.14
Turkey	422	423	5.37	5.32
France	383	368	5.94	5.68
Spain	375	364	8.12	7.84
Poland	331	335	8.56	8.75
Mexico	320	332	2.52	2.60
Italy	297	311	4.96	5.23
Canada	308	302	8.57	8.33
Sri Lanka	188	198	9.06	9.51
U.K.	188	197	2.90	2.99
<b>World</b>	<b>26762</b>	<b>27521</b>	<b>3.65</b>	<b>3.69</b>

Source : Rubber Statistical Bulletin, Vol. 72, No. 1-3, July-September 2017 of International Rubber Study Group, Singapore and United Nations Department of Economic & Social Affairs.