

## 6 . Sericulture

Data in this section restricted to the production of Raw Silk and Silk Yarn are collected by the Central Silk Board, with the co-operation of Sericulture Departments in the States..

Raw silk is of two kinds, viz' Mulberry and Vanya (Non- Mulberry). The distinction arises from the rearing of silk worms either upon mulberry leaves or on other plants. Mulberry silk is produced mainly in Karnataka, West Bengal, Jammu & Kashmir, TamilNadu and Andhra Pradesh although some other states have made some progress in this direction under their development plans. Non- mulberry silk comprising Tasar(Tropical&Oak). Eri and Muga are produced in Assam, Bihar, Chattishgarh, Jharkhand, Madhya Pradesh, Orissa, Manipur and West Bengal.

The different types of Vanya (non- mulberry) silk and spun silk and noil yarn are further defined as follows:

**Tasar silk:** - It is silk reeled from cocoons of silkworms belonging to saturniidae family, which are fed on leaves of oak,asan and arjuna trees.Tasar silk is mainly produced in Jharkhand , Bihar, Chattishgarh, Madhya Pradesh, Orissa and West Bengal.

**Eri silk :** - It is spun from cocoons of silkworms belonging to saturnidae family, which are fed on castor leaves.Eri yarn is produced in Assam, Bihar, Manipur,Meghalaya , Nagaland and West Bengal. Unlike other kinds of silk , this cannot be reeled and hence it is only spun.. It has natural copperish color.

**Muga silk :** - It is silk produced only in Assam from cocoons of silk worms belonging to saturnidae family, which are fed on Som and Soalu leaves. It has a rich golden color.

**Spun silk yarn:** - Yarn composed of silk filaments of lengths ranging from 1 to 8 inches produced by bleaching, dressing and spinning the silk waste which is the by-product of the raw silk reeling industry.

**Noil yarn :** - It is short staple residue obtained during dressing operations in silk spinning from silk waste. It is a by-product of spun silk industry. This can be spun into noil yarn of coarse counts.

### Table 6.1

Details of production of raw silk and silk yarn are indicated . India ranks second after China in the world as producer of silk accounting for about 13.14 % of the total world raw silk production. India is the only country producing all four varieties of like Mulberry,Tasar, Eri & Muga. Contribution from major mulberry raw silk producing states in India during 2004-05 are Karnataka ( 50.0 %) Andhra Pradesh ( 34.8 %), West Bengal(10.4%), Tamil Nadu ( 3.0 %) & Jammu & Kashmir(0.62 %). In case of Vanya(Non-mulberry)- Tasar Raw Silk producing states are Jharkhand (28.24%), Chattisgarh(37.24 %)West Bengal(8.1%) and Orissa(10.2 %) . Major Eri raw silk producing states are Assam(38.3%), Meghalaya(22.6 %) Manipur (29.8 %) and Nagaland (6.8 %).

The major Muga Raw Silk producing state is Assam(94.6%). India has made tremendous progress in the development of Silk Industry by increasing the raw silk production from 1214 MTs. in 1950 to 16500 MTs. in 2004-05.

**Table 6.2**

Exports of Indian Silk products comprise mainly Natural Silk Yarns, Fabrics Made-ups, Ready Made Garments, Silk Carpets and Silk Waste. India is exporting silk goods to more than 90 countries. Indian Silk exports have risen from Rs. 0.53 Crore (1.11 Million US \$) during the year 1950-51 to Rs. 2879.56 Crores (640.90 Million US \$) in 2004-05.

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Table 6.1 - PRODUCTION OF RAW SILK AND SILK YARN

('000 kg)

Year/State	Raw silk				Silk yarn *			
	Mulberry silk	Non-mulberry silk			Total	Spun silk yarn	Noil yarn	Total
		Tasar	Eri	Muga				
1	2	3	4	5	6	7	8	9
1990-91	11486	380	624	70	<b>12560</b>	185	124	<b>309</b>
1996-97	12954	235	864	73	<b>14126</b>	485	120	<b>605</b>
1997-98	14048	312	814	62	<b>15236</b>	358	273	<b>631</b>
1998-99	14260	242	970	72	<b>15544</b>	429	160	<b>589</b>
1999-00	13944	211	974	85	<b>15214</b>	505	224	<b>729</b>
2000-01	14432	237	1089	99	<b>15857</b>	647	325	<b>972</b>
2001-02	15842	249	1160	100	<b>17351</b>	588	262	<b>850</b>
2002-03	14617	284	1316	102	<b>16319</b>	550	275	<b>825</b>
2003-04	13970	315	1352	105	<b>15742</b>	446	224	<b>670</b>
2004-05	14620	322	1448	110	<b>16500</b>	500	250	<b>750</b>
<b>2004-05</b>								
<b>State:</b>								
Andhra Pradesh	5084	16	10	-	<b>5110</b>	-	-	-
Arunachal Pradesh	-	-	4	-	<b>4</b>	-	-	-
Assam	9	-	554	104	<b>667</b>	-	-	-
Bihar	8	8	15	-	<b>31</b>	-	-	-
Chattisgarh	2	120	1	-	<b>123</b>	-	-	-
Gujarat	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-
Himachal Pradesh	12	-	-	-	<b>12</b>	-	-	-
Jammu & Kashmir	90	-	-	-	<b>90</b>	-	-	-
Jharkhand	-	91	1	-	<b>92</b>	-	-	-
Karnataka	7302	-	-	-	<b>7302</b>	352	70	<b>422</b>
Kerala	8	-	-	-	<b>8</b>	-	-	-
Madhya Pradesh	14	14	-	-	<b>28</b>	122	180	<b>302</b>
Maharashtra	37	5	-	-	<b>42</b>	-	-	-
Manipur	54	3	431	-	<b>488</b>	-	-	-
Meghalaya	3	-	327	5	<b>335</b>	-	-	-
Mizoram	5	-	3	-	<b>8</b>	-	-	-
Nagaland	1	-	98	-	<b>99</b>	-	-	-
Orissa	2	33	1	-	<b>36</b>	-	-	-
Punjab	4	-	-	-	<b>4</b>	12	-	<b>12</b>
Rajasthan	-	-	-	-	-	-	-	-
Tamil Nadu	443	-	1	-	<b>444</b>	14	-	<b>14</b>
Tripura	4	-	-	-	<b>4</b>	-	-	-
Uttar Pradesh	10	2	-	-	<b>12</b>	-	-	-
Uttanchal	9	4	1	-	<b>14</b>	-	-	-
West Bengal	1520	26	2	-	<b>1548</b>	-	-	-

Source : Central Silk Board,  
Ministry of Textiles

\* Refers to production in public as well as private sector spun silk mills.

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Table 6.2 - CERTIFIED EXPORT OF SILK GOODS AND SILK WASTE

Items	(Quantity in Kg.) (Value in: Rs.Ten Million)					
	1990-91		1999-00		2000-01	
	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7
<b>I. Silk goods (1+2+3)</b>	<b>2427094</b>	<b>436</b>	<b>7348829</b>	<b>1706</b>	<b>11114865</b>	<b>2367</b>
<b>1.Mulberry silk</b>	<b>2270569</b>	<b>417</b>	<b>6705474</b>	<b>1490</b>	<b>10505052</b>	<b>2147</b>
Sarees	213975	31	846900	211	1432462	333
Scarves/stoles ( No.)	368475	25	242977	93	215870	112
Dress materials	1018725	161	2621838	580	3641379	821
Readymade garments -	455400	105	2354628	374	4380671	643
Carpets( 000sq mtrs.)	94	50	170203	145	137204	111
Others*	213900	46	468928	87	697466	127
<b>2.Tasar silk</b>	<b>88350</b>	<b>9</b>	<b>322970</b>	<b>99</b>	<b>304599</b>	<b>115</b>
<b>3.Mixed/blended silk</b>	<b>68175</b>	<b>10</b>	<b>320385</b>	<b>117</b>	<b>305214</b>	<b>105</b>
<b>II. Silk waste#</b>	<b>334000</b>	<b>5</b>	<b>1491454</b>	<b>33</b>	<b>1880335</b>	<b>45</b>
<b>III.Silk yarn</b>	<b>-</b>	<b>-</b>	<b>131660</b>	<b>16</b>	<b>117973</b>	<b>9</b>
<b>Total (I+II+III)</b>	<b>2761094</b>	<b>441</b>	<b>8971943</b>	<b>1756</b>	<b>13113173</b>	<b>2422</b>

Items	2001-02		2002-03		2003-04		2004-05	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	8	9	10	11	12	13	14	15
<b>I. Silk goods (1+2+3)</b>	<b>10216351</b>	<b>2289</b>	<b>12686022</b>	<b>2255</b>	<b>12084465</b>	<b>2737</b>	<b>12377705</b>	<b>2836</b>
<b>1.Mulberry silk</b>	<b>9510518</b>	<b>2009</b>	<b>11960210</b>	<b>2057</b>	<b>11503199</b>	<b>2603</b>	<b>11612986</b>	<b>2735</b>
Sarees	1279915	306	1392198	349	721428	386	693699	366
Scarves/stoles(No.)	168144	87	433848	95	378150	142	1282342	167
Dress materials	3444652	722	4183860	850	2284242	1129	2437137	1173
Readymade garments	3445433	588	5028229	527	6685017	700	5744948	746
Carpets(000 sq.meter)	245173	172	152912	96	200081	120	206701	124
Others*	927201	134	769163	140	1234281	126	1248159	159
<b>2.Tasar silk</b>	<b>420247</b>	<b>170</b>	<b>374077</b>	<b>80</b>	<b>152438</b>	<b>57</b>	<b>544535</b>	<b>71</b>
<b>3.Mixed/blended silk</b>	<b>285586</b>	<b>110</b>	<b>351735</b>	<b>118</b>	<b>428828</b>	<b>76</b>	<b>220184</b>	<b>31</b>
<b>II. Silk waste</b>	<b>1468660</b>	<b>37</b>	<b>935278</b>	<b>16</b>	<b>286014</b>	<b>5</b>	<b>78587</b>	<b>1</b>
<b>III.Silk yarn #</b>	<b>354633</b>	<b>34</b>	<b>239858</b>	<b>24</b>	<b>334238</b>	<b>37</b>	<b>395045</b>	<b>42</b>
<b>Total (I+II+III)</b>	<b>12039644</b>	<b>2360</b>	<b>13861158</b>	<b>2294</b>	<b>12704717</b>	<b>2779</b>	<b>12851337</b>	<b>2880</b>

Source : Central Silk Board, Ministry of Textiles

\* Other includes Cocoons, Raw silk , Ties, Handkerchiefs Curtains etc.

# Silk yarn, Dupion silk yarn, Spun silk yarn &amp; Noil yarn.

Note:Value total may not tally due to rounding off of the figures.

TABLE NUMBER 6.1  
**PRODUCTION OF RAW SILK & SILK YARN**

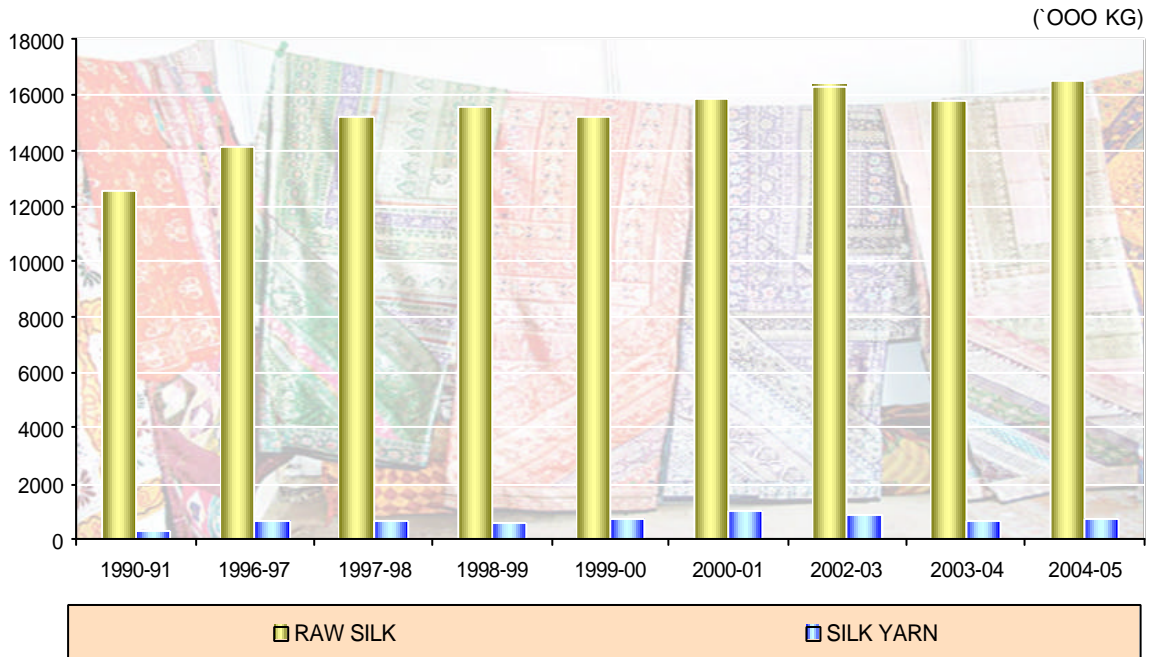


TABLE NUMBER 6.2  
**VALUE OF CERTIFIED EXPORT OF SILK GOODS AND SILK WASTE**

