

SEED ORGANIZATION

National Silkworm Seed Organization

National Silkworm Seed Organization (NSSO) has carved a niche for itself in sericulture industry in the country in more than one way covering not only production of quality basic silkworm seed, but also in the production and supply of quality commercial bivoltine and crossbreed silkworm hybrids through its Basic Seed Farms (BSFs) and ISO certified Silkworm Seed Production Centres (SSPCs). The organization scaled to newer heights with the highest and best ever production and created a record in production of the highest quantum of basic and commercial seeds. NSSO with all its ISO 9001:2008 seed production centres certified, ensured production of seed of the highest quality.

Further, while touching the highest production of bivoltine hybrids ever in its history, NSSO has maintained its clientele for crossbreed silkworm seed also with a considerable share. Thus, NSSO excelled in quality mulberry seed production and played a pivotal role in the country's mulberry raw silk production. In line with the mandate, NSSO fulfilled the entire seed requirement of different stakeholders including basic and commercial silkworm seed during the year under report.

Seed Cocoon Generation and Basic Silkworm Seed Production at Basic Seed Farms

The Basic Seed Farms (BSFs) form the backbone of NSSO operations through a record generation of quality seed cocoons and basic seed. Precise planning, scientific and systematic

execution of activities meticulously for seed maintenance and multiplication (P3, P2 and P1) at its 19 Basic Seed Farms (9 bivoltine and 10 multivoltine) and the lone Centre for Sericulture Development (CSD) assured the generation of quality seed cocoons and production of basic seed by following one-way system of multiplication of approved breeds meticulously. These farms performed well by generating quality bivoltine and multivoltine seed cocoons. A quantity of 70.94 lakh bivoltine and 33.29 lakh multivoltine seed cocoons were generated against a target of 78.16 and 47.46 lakh, respectively.

During 2015-16, a total of 14.61 lakh basic seed (12.13 lakh bivoltine and 2.48 lakh multivoltine) was produced. The comparative bivoltine and multivoltine basic seed production at BSFs over the last 5 years is presented in Figs. 1 & 2, respectively. A quantity of 11.87 lakh bivoltine and 2.26 lakh multivoltine basic seeds were distributed during the year, as detailed below:

Basic seed production and supply				
Breed		P3	P2	P1
Production	Bivoltine	11200	28911	1173122
	Multivoltine	2100	17708	228318
	Total	13300	46619	1401440
Supply	Bivoltine	6298	15754	1165213
	Multivoltine	2000	17208	207222
	Total	8298	32962	1372435

Generation of quality seed cocoons: Aided with highly successful Adopted Seed Rearer (ASR) system involving technically sound and competent seed rearers adopted by different SSPCs, 1017.95 lakh bivoltine seed cocoons were generated during the year for production of bivoltine hybrid and crossbreed dfls. Besides SSPCs, ASRs has also supported the DoS, Registered Seed Producers

(RSPs); SSPCs of West Bengal; DoS, Uttar Pradesh and North-eastern states by generating 39.27 lakh (West Bengal 26.17 lakh, Uttar Pradesh 13.10 lakh) bivoltine seed cocoons in South India and supplying to them against an indent of 39.00 lakh seed cocoons (West Bengal - 26.00 lakh, Uttar Pradesh - 13.00 lakh).

The Seed Cocoon Procurement Centre (SCPC) at Kunigal, Karnataka supported the SSPCs by procuring 69.46 lakh multivoltine seed cocoons for preparation of crossbreed layings. Similarly, SCPCs at Denkanikottai, Kunigal and Punganur generated 47.56, 27.37 and 19.47 lakh multivoltine seed cocoons, respectively through ASRs of their respective areas for crossbreed dfls production at SSPCs.

The record quality seed production is primarily attributed to the specific and successful production model supported by the ASRs for seed cocoon generation and ensured quality seed production in the SSPCs.

Commercial Seed Production at Silkworm Seed Production Centres

The main task of NSSO is the production of dependable and quality commercial silkworm hybrid dfls (bivoltine x bivoltine & multivoltine x bivoltine) and their distribution among farmers. Accordingly, during 2015-16, a record quantum of 410.50 lakh dfls, the highest ever were produced against the target of 375.00 lakh dfls and achieved 109.47% through its twenty ISO certified Silkworm Seed Production Centres (SSPCs). Out of the total production of 410.50 lakh dfls, 309.79 lakh dfls were bivoltine hybrids (75.46%) (Figs. 3 & 4) while the crossbreed layings were 100.71 lakh dfls (24.53%). 309.79 lakh of bivoltine hybrids were produced

against a target of 275.00 lakhs (achievement of 112.65%). This includes 10.05 lakh CSR hybrids, 276.16 lakh double hybrids, 4.25 lakh traditional hybrids and 19.33 lakh new hybrids. PM x CSR2 formed (28.74 lakh) the core production of multi x bivoltine hybrids, followed by Nistari x bivoltine (39.72 lakh). The bivoltine hybrid dfls production and distribution for the last five years is indicated at Fig. 3 & 4.

Combination wise target and production of dfls (in lakhs)				
Combination		Target	Achievement	% Achievement
Bivoltine Hybrids	CSR2 x CSR4	25.00	10.05	40.20
	FC1 x FC2	236.50	276.16	116.77
	SH6 x NB4D2	13.50	4.25	31.48
	Others		19.33	
Total		275.00	309.79	112.65
Multi x Bivoltine Hybrids	PM x CSR2	39.00	28.74	73.69
	PM x FC2		10.43	
	N x Bi	41.00	39.72	96.88
	N x M12 (W)	20.00	20.65	103.25
	Others		1.17	
Total		100.00	100.71	100.70
Grand Total		375.00	410.50	109.47

Quality F1 dfls production: Seed quality is maintained in all its SSPCs by adopting ISO quality management system at every level of seed production processes. The egg recovery in multi x bivoltine hybrids produced in the southern region was 28.86% against the norm of 28.00%. In bivoltine hybrids, the average egg productivity in the case of CSR hybrids was 55.37 g/kg cocoon against the norm of 60 g/kg cocoon and for double hybrids, it was 66.44 g/kg cocoon against the norm of 65 g/kg cocoon.

NSSO supplied 264.27 lakh bivoltine and 107.68 lakh multibivoltine hybrid dfls to various state departments and CSB units during the year. The state-wise distribution of bivoltine hybrid dfls is presented at Fig.5.

Extension Activities

The extension units including Sericulture Service Centres (SSCs) and Sericulture Service Units (SSUs) together with Scientists of Silkworm Seed Production Centres (SSPCs) identified as Cluster Development Facilitators (CDFs) for clusters of National Silkworm Seed Organization (NSSO) played a significant role in distribution of commercial seed produced at SSPCs and in providing extension support through crop monitoring and transfer of proven technologies to the field. During the year, 32 SSCs and 29 SSUs distributed 181.52 lakh dfls including 103.65 lakh bivoltine hybrid dfls. The comparative bivoltine commercial seed distribution by NSSO over the last 5 years is presented in Fig.4. Distribution of bivoltine hybrid dfls through the CRC discount scheme gained immense popularity, as a quantum of 118.26 lakh dfls were distributed during the year.

Trials of News Silkworm Hybrids

A quantity of 20.50 lakh dfls comprising 19.33 lakhs of bivoltine x bivoltine combinations and 1.17 lakhs of multi x bi combination dfls were produced and supplied for evaluation.

Training Programmes

NSSO also arranged various training programmes covering seed crop rearing and seed production. A total of 488 DoS officials and farmers were trained during the year under Capacity Building Programme.

Seed Act Implementation

NSSO continued its efforts for implementation of the provisions of Central Silk Board (Amendment) Act, 2006 during the year

2015-16. New applications received for registration during the year were scrutinized and processed. 1420 multi-coloured, bilingual (Hindi-English) Registration Certificates were prepared using a special software package developed for the purpose. Certificates in respect of 85 RSPs, 52 RCRs and 1283 RSCPs were printed and dispatched under 45 days of clearance, on an average. All the Registered Seed Producers and chawki rearers across various states in India were linked to the concerned Seed Officers and Seed Analysts (SA) and the SAs and SOs were regularly notified with the additions. The database of registered stakeholders was updated from time to time and sent to all the state sericulture departments and also uploaded to the CSB website. On-site inspection of the premises of RSPs and RCRs by SAs and SOs was carried out for the purpose of system and product certifications, respectively. Certificate training course of three months was organized at CSRTI, Mysuru for chawki rearing and at SSTL, Kodathi for seed production. 63 persons completed training in 3 batches in chawki rearing and 31 persons in two batches on seed production techniques. Certificate training for matriculates make them eligible for registration under Seed Act. Refresher training to 131 chawki rearers, 240 RSPs and training on quarantine procedures were provided to 36 scientists. Apart from this, 20 awareness programmes were also conducted.

Publications

A total of 6 publications including research/popular articles and papers presented/accepted for scientific seminars/workshops were made by NSSO scientists during 2015-16.

Impact of NSSO on bivoltine raw silk production

NSSO leads the bivoltine raw silk production programme in the country by contributing nearly 60% of the country's bivoltine raw silk production through distribution of 264.27 lakh bivoltine hybrid dfls directly and another 40% indirectly through supply of bivoltine basic seed to various state sericulture departments for utilizing the same for commercial bivoltine silkworm seed production.

VANYA SEED (BTSSO, MSSO AND ESSO)

Tropical Tasar: Basic Tasar Silkworm Seed Organization (BTSSO), responsible for organizing the systematic seed production and supply of tropical tasar, is functioning at Bilaspur, Chhattisgarh. It has 21 Basic Seed Multiplication & Training Centres for Tropical Tasar (BSM&TCs) functioning in different states and a Central Tasar Silkworm Seed Station (CTSSS) at Karigi Kota in Chhattisgarh. The CTSSS is responsible for the production and distribution of tasar nucleus seed to BSM&TCs for further multiplication, besides, maintaining germplasm of different silkworm races. The centre has produced and supplied 0.81 lakh tasar nucleus dfls during the year for replenishment of existing stock of BSM&TCs. There is a gradual improvement in performance of these 21 BSM&TCs located in 9 states that produced 41.80 lakh dfls during 2015-16. Besides, BTSSO has also produced 8.58 lakh dfls by involving private graineurs.

Oak Tasar: The cumulative production by two RTRSs, one oak tasar grainage, three RECs and two REC-cum-BSM&TCs located in 6 states in oak tasar seed production during 2015-16 was 0.44 lakh dfls.

Muga seed: The Muga Silkworm Seed Organization (MSSO) established by CSB under the Muga Seed Development Project comprises of two P4 and five P3 Muga Seed Stations (Central Sector), ten P2 seed centres and six reeling units (State Sector). The present reorganized MSSO with the units created under Central Sector has two P4 units, six P3 units for production of basic seed and one Muga Silkworm Seed Production Centre for production of commercial seeds. The cumulative performance of Muga Basic Seed Stations during 2015-16 was 5.42 lakh muga dfls. Besides, one Muga SSPC located at Kaliabari (Boko) in Assam has produced 2.03 lakh muga dfls. Under North East Region Textile Promotion Scheme (NERTPS), three muga P3 Basic Seed Stations and one SSPC have been established during 2015-16.

Eri Seed: The Eri Silkworm Seed Organization (ESSO) located at Guwahati, Assam performed well with its single Eri SSPC in NE region and four Eri SSPCs in non-traditional states by producing 5.75 lakh Eri dfls during 2015-16 for distribution to different state departments. Under NERTPS, one P2 Eri Basic Seed Farm has been established during 2015-16.

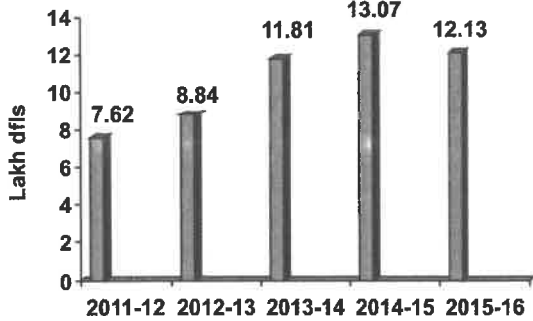


Fig.1: Year-wise Bivoltine Basic Seed Production at BSFs

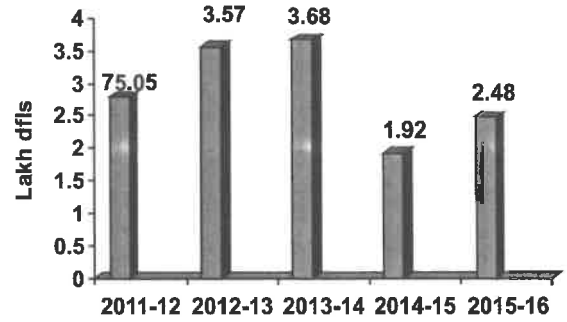


Fig.2: Year-wise Multivoltine Basic Seed Production at BSFs

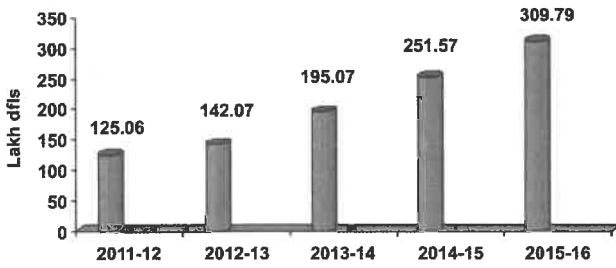


Fig.3: Year-wise Bivoltine Hybrid dfl Production at SSPCs of NSSO

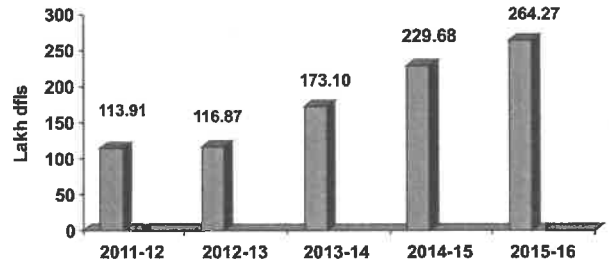


Fig.4: Year-wise Bivoltine Hybrid dfl distribution at SSPCs of NSSO

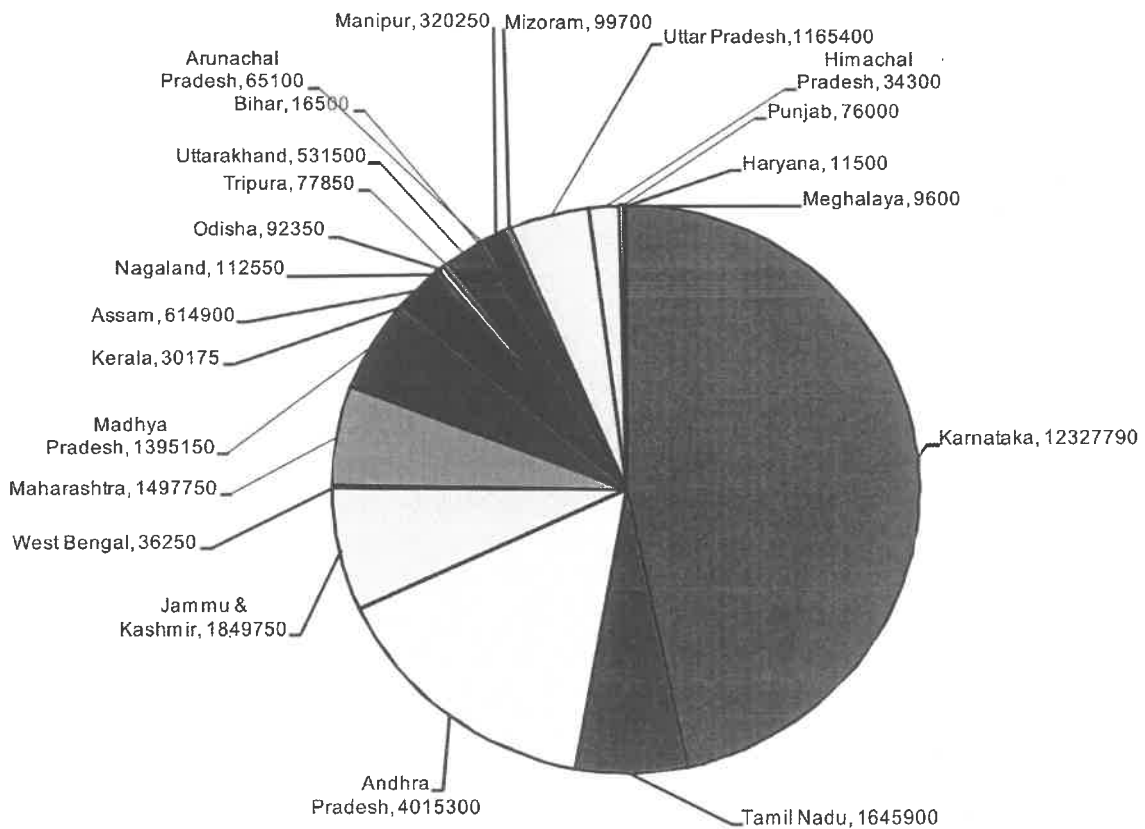


Fig.5: State-wise Bivoltine Hybrid dfls distribution by NSSO

COORDINATION AND MARKET DEVELOPMENT

Coordination-Board's Secretariat

The Central Silk Board has been assigned the responsibility for the overall development of silk industry in the country, besides, advising Govt. of India in the matters related to the silk industry. Various developmental and inter-related supportive programmes, as well as R&D schemes are implemented by CSB.

The Central Silk Board with its head-quarters located at Bengaluru monitors the activities of R&D organizations, frontline demonstrations, maintenance of four tier silkworm seed production network, leadership rôle in commercial silkworm seed production, standardizing and instilling quality parameters in various production processes, promotion of Indian Silk in domestic and International markets. These activities are being carried out by the R&D institutes, seed organizations, regional offices, raw material banks located in different parts of the country.

Publicity and Media Programmes

During the year under report, the Publicity Section at CSB Secretariat has carried out various publicity and media activities on sericulture and silk industry and the details are as follows:

Periodicals

- (a) *Indian Silk*: CSB published Indian Silk, which is a bilingual industrial journal devoted to the sericulture and silk industry of India. Presently, the journal is in its 54th year of publication.
- (b) *Annual Administrative Report 2014-15*: The Annual Administrative Report of CSB in bilingual *i.e.*, English and Hindi is published

every year with a view to provide complete information about the activities of CSB and its nested units. This publication also offers detailed information on R & D activities and various projects & schemes implemented by CSB and DOSs in various states. The Annual Administrative Report of CSB for the year 2014-15 was brought out during November 2015.

- (c) *Resham Bharati*: The Publicity Section has also published Resham Bharati – an in-house half-yearly Hindi magazine devoted to the promotion of Official Language (Hindi) in CSB in coordination with the Hindi Section, Central Office.

Other Publications

1. *Awardees of Excellence in Sericulture 2015*: A special booklet was brought out on the occasion of 'National Workshop on Innovative Technologies and Best Practices in Sericulture' held during November 17-18, 2015 at CSR&TI, Mysuru. This booklet dovetails information on success stories of sericulturists from 27 states who excelled in their performance as sericulture entrepreneurs and became role models for others. This booklet was released by the Union Minister of State for Textiles during the inaugural session of the workshop. Besides, the Publicity Section, CSB also contributed towards creative designing of backdrop of the stage, invitation cards, certificates and badges of the workshop.
2. Special booklet '*Glimpses of Achievements 2014-15*': The CSB has brought out a special booklet on the glimpses of major achievements of the Indian sericulture sector during 2014-15 and the contribution of the

CSB in this direction. This booklet highlights the importance of Indian sericulture and silk industry and the initiatives of CSB in ensuring all round development of the industry and its support to the social cause and propagating sericulture as an effective tool for inclusive growth. This booklet was released by the Union Minister of State for Textiles during the inaugural session of 'National Workshop on Innovative Technologies and Best Practices in Sericulture' held during November 17-18, 2015 at CSR&TI, Mysuru.

3. *NERTPS Brochure*: This brochure dovetails on the umbrella scheme launched by the Ministry of Textiles, Govt. of India for implementing textiles sector developmental projects in the North-eastern states laying special emphasis on strengthening the sericulture sector and creating a strong visibility of the silk of North-eastern region *i.e.*, *Vanya Silks*, worldwide by improving quality standards and increasing the production.
4. *Handbook of Sericulture Technologies* in Telugu language: Publication of the 4th Telugu edition of the Board's publication 'Handbook of Sericulture Technologies' is in progress and will be brought out shortly.
5. *Multi-colour Calendar-2016*: The Publicity Section organized in-house creative designing of a multi-colour calendar for the year 2016 depicting both pre and post-cocoon activities of sericulture. The calendar was printed and distributed to all CSB units and related organizations.

Press & Media Relations

The Publicity Section issued a number of press notes to print and electronic media

highlighting various activities of the CSB and ensured wide coverage for sericulture and silk related activities. The major one was a press meet organized on 16th November 2015 as a curtain raiser for the two-day event on 'National Workshop on Innovative Technologies and Best Practices in Sericulture' held during November 17-18, 2015 at CSR&TI, Mysuru. The press conference was addressed by Dr. H. Nagesh Prabhu, IFS, Member Secretary, CSB, Bengaluru. The inauguration event of the workshop was well covered by various national dailies and also local dailies of Mysuru. Curtain raiser news was broadcast in the regional news bulletin of All India Radio which covered entire Karnataka state. This event was also covered by different Kannada TV news channels including Doordarshan on 17th November 2015. Besides, live Phone-in-Programme about the Event in the "City Beat" Programme was Broadcast in All India Radio, Mysore on the inauguration day. Multi-colour advertisements were released in few dailies *viz.*, Times of India (English), Vijaya Karnataka and Vijaya Vani (Kannada) dailies of Karnataka, Star of Mysuru (English) and Mysuru Mitra and Aandolana, local Kannada dailies published from Mysuru and Rajasthan Patrika (Hindi).

Audio-Visual Publicity

In order to popularize sericulture as well as promote the use of silk, CSB released radio and video spots in All India Radio and Doordarshan network, across the country. The audio-visual spot on 'Sericulture for Better Livelihood' was released in 22 channels of Doordarshan network (once a day) and DD Kisan (twice a day) which was aired for 31 days, besides Doordarshan Kendra, Guwahati and Programme Production Centre (PPC), North-East for 22 days.

Also, six radio promotional spots were released in all the primary channels, local radio stations and FM radio stations across the country under the ambit of All India Radio which was aired for 31 days.

Radio advertisement of CSB on 'Sericulture for Better Livelihood' was broadcast on national hookup in the Prime Minister of India's flagship programme, 'Mann Ki Baat' which had all India coverage. Also, CSB released 7 commercial TV spots of 20 seconds duration during a special programme telecast by DDK, Guwahati and PPC, North-East on the occasion of tribute to Bhupen Hazarika on 5th November, 2015.

Participation in Exhibition and Trade Fairs

- a. The CSB participated in the 'Annual Sericulture Farmers Workshop and Exhibition of Sericulture Materials' held on 11th March, 2016 at Kaginele village, Byadagi taluk of Haveri district in Karnataka by putting up a stall. This exhibition was organized by CSR&TI, Mysuru in coordination with Department of Sericulture, Govt. of Karnataka.
- b. The Central Office, CSB coordinated with RO, Kolkata for participating in the 19th National Expo held at Baranagar, Kolkata during 9th to 13th September, 2015.

Others

The Publicity Section designed a memento for retiring employees of CSB. The mementos have been given to the officials of Central Silk Board retiring from the service since March, 2016.

Official Language Policy

During the period under report, efforts were continued for achieving the targets fixed by the

Department of Official Language, Ministry of Home Affairs, Govt. of India, New Delhi for implementation of the Official Language Policy of the Union for the year, 2015-16. As a result of accelerating the progressive use of Hindi for official purposes, Offices of CSB were awarded in different forums. NSSO, Bengaluru received Rajbhasha Shield & certificate from Town Official Language Implementation Committee (TOLIC), Bengaluru for 2014-15 on 27.07.2015 and also received Regional Official Language third prize for 2014-15 on 19.02.2016. CSRTI, CSB, Berhampore received Regional Official Language third prize for 2014-15 on 21.01.2016. CMERTI, Lahdoigarh received a shield & Certificate from TOLIC, Jorhat for 2014-15 on 30.09.2015. MSSO, Guwahati received citation from TOLIC (undertaking), Guwahati for 2014-15 on 16.12.2015. Regional Office, Guwahati also received a citation from TOLIC (undertaking), Guwahati for 2014-15 on 16.12.2015. Regional Office, Chennai received consolation shield for 2014-15 on 21.12.2015. Assistant Director (OL), CSTRI, Bengaluru received citation from TOLIC, Bengaluru for 2014-15 on 27.07.2015.

Compliance of Official Language Act, 1963 & Rules, 1976

Apart from ensuring cent percent compliance of Section-3(3) of the Official Language Act, 1963, letters received in Hindi were replied to, in Hindi and bilingual only under Rule-5 of Official Language Rules, 1976. Targets fixed for original correspondence, fax, etc., in the annual programme for 2015-16 were also achieved. 116 offices including Board Secretariat have so far been notified under Rule 10(4) of Official Language Rules, 1976 and orders/memoranda were issued for doing work in Hindi under Rule 8(4) of Official Language Rules, 1976.

Training

Hindi training was imparted in a phased manner in Board's Head Office and its subordinate units. In CSB secretariat, Bengaluru, three staff members were trained in re-designed (Level-3) translation training programme, 19 staff members of CSB Head Quarters, Bengaluru, 36 officers & 78 staff members of CSRTI, Berhampore and 44 officers & staff members of CSB units were trained on computer for doing work in Hindi.

Other Achievements

A Seminar 'Rajbhasha Hindi Mein Maulik Lekhan-EK Antar-Samvad' on implementation of Hindi was organized on 22.05.2015 at CMERTI, Lahdoigarh, Assam and CSRTI, Berhampore West Bengal. Dr. S. Nirmal Kumar Director of the institute presided over. Scientists from the institute and nested units and technical officials from other organizations participated in the seminar.

Meetings

Quarterly meetings of Official Language Implementation Committee, which monitors official language implementation programme in Board Secretariat, research institutes and other main sub-ordinate offices were held on 30.06.2015, 29.09.2015, 29.12.2015 & 04.03.2016. CSB, Bengaluru organized meeting of Hindi Advisory Committee of MoT at Mysuru on 17.11.2015 and also attended the same committee meeting held on 10.06.2015 at Mumbai. In most of the attached/sub-ordinate offices also the meetings of Official Language Implementation Committee were held regularly.

Hindi Week/Fortnight

Hindi Fortnight was observed jointly by the CSB, NSSO and CSTRI, Bengaluru from 1st to 14th

September, 2015 in CSB premises at Bengaluru and competitions such as Hindi reading, handwriting, noting-drafting, what does the picture say?, cross word, glossary, memory test, oral quiz, Hindi extempore speech and Hindi songs were organized. Hindi Fortnight valedictory-cum-prize distribution function was organized on 15.09.2015. Hindi Day/Week/Fortnight was also organized in most of the attached/sub-ordinate units of CSB.

Workshop/Seminars

Board's Head Office organized five one-day full-time Hindi workshops for the employees on 26.06.2015, 27.08.2015, 28.10.2015 and 25-26.02.2016. Hindi workshop on 26.06.2015 mainly focused on computer training in Hindi wherein 19 staff members were trained on computer in Hindi. CTR&TI, Ranchi organized Rajbhasha Technical Seminar on 08.04.2015, Time Management Symposium on 06.10.2015 and Symposium on Energy Conservation in Hindi on 07.01.2016. CSR&TI, Berhampore organized Rajbhasha Hindi Mein Maulik Lekhan-EK Antar-Samvad on 22.05.2015 in Hindi. Hindi workshops were also organised in attached & sub-ordinate offices of the Board.

Software and its use

Following the instruction of Department of Official Language, Ministry of Home Affairs, Govt. of India, unicode software is being used in CSB and in all its main Institutes, Regional Offices and other Offices. 'Leap Office 2000' is also being used in CSB and its units/centres of Central Silk Board. The CSTRI, Bengaluru has taken corporate licence of bank script software for preparing pay slip in bilingual in CSB's main office and its units.

Inspection

The Department and Evidence Sub-committee of Committee of Parliament on Official Language visited RO, New Delhi on 20.08.2015. The Third Sub-Committee of Committee of Parliament on Official Language inspected units of CSB viz., RSRS, Kalimpong, Certification Centre, Varanasi and RO, New Delhi for implementation of Official Language on 9.4.2015, 18.09.2015 and 12.02.2016, respectively. Inspections pertaining to the implementation of official language were carried out in 65 attached and sub-ordinate offices of the Board by the Secretariat & its attached/sub-ordinate offices.

Publications

The Central Office published Annual Report, 2014-15, certified accounts with audit certificate & audit report for the year 2014-15. In-house Hindi magazine Resham Bharti was also published by Central Office. CTRTI, Ranchi published a news letter *Resham Vani* and a booklet on *Tasar Khadya Paudhon Kee Pattiyon Mein Poshak Tatvon Ke Ster Ka Vargikaran Evam Poshan Prabandhan Ke Upaya*. BTSSO, Bilaspur published *Approaches to seed cocoon production in tropical tasar sericulture, Tasar Reshamkeet Beej Patrika, Tasar seed production, tasar seed production management* in Hindi and Annual Report 2014-15 in bilingual. MSSO, Guwahati published *Eri Khadya Paudhon Ke Ugane Evam Rakhrakhav, Resham Keet Palan Aur Beej Praudyogiki Kee Samekit Pranali* in Hindi, Annual Report 2014-15 in bilingual. NSSO, Bengaluru published *Bivoltine hybrid silkworm seed production technique* in Hindi. CSRTI, Mysuru published 15 Pamphlets in Hindi. ZSSO, CSB, Majra published *Safal Dwipraj*

Keetpalan Ke Liye Vishudhikaran Kee Taknik and Uttar Bharat Mein Krishakon Ke Liye Dwipraj Resham Keet Palan Kee Taknik in Hindi.

Translation

The Board Secretariat translated Annual Report, 2014-15, certified accounts with audit certificate & audit report, 2014-15, Training courses for sericulture sector in Central Silk Board calendar 2014-15, 'Background Note on Silk & Sericulture, Awardees of Excellence in Sericulture 2015' in Hindi. Point-wise replies of MoT/CSB on the list of points raised by the Parliamentary Standing Committee on Labour, Central Silk Board (Administrative, Accounts & General Cadre Posts) Recruitment Rules, 2015, Minutes of the Standing Committee Meeting & Board's Meeting. CTRTI, Ranchi translated Publication viz., Motorized Tasar Reeling Machine on Reeling & Spinning, Annual Report 2014-15, Major Pests of Tasar Host Plants, Major Pests of Tasar Silkworm. CSR&TI, Mysuru Translated Training Calendar, 2015-16 and also 15 pamphlets in Hindi.

Rolling Shield Award

In order to accelerate the tempo of implementation of official language in Board Secretariat and in its units, Central Silk Board has introduced Rajbhasha Rolling Shield Scheme, which envisages awards for their performance during the year. CSB Rajbhasha Rolling Shield Distribution Function 2013-14 was held on 04.03.2016. The recipients of the award were (1) National Silkworm Seed Organization (NSSO), CSB, Bengaluru, (2) CTRTI, CSB, Ranchi; (3) RO, CSB, New Delhi; (4) CSGRC, CSB, Hosur, (5) Zonal Office, CSTRI, CSB, Bilaspur, (6) BSM&TC, CSB, Pali (7) RTRS, CSB, Baripada and (8) RO,

CSB, Guwahati. Among the sections of the Board Secretariat, Establishment section and Planning & Monitoring Section bagged the Rolling Shield for the year, 2013-14. CTRTI, Ranchi and CSRTI, Berhampore organized Rolling shield distribution function while CSTRI, Bengaluru introduced Rajbhasha Rolling Shield Scheme to boost the implementation of Official Language Policy, in their main institute, units and sections.

Competitions

CSB, Bengaluru also organized 'what is the right term' in coordination with TOLIC, Bengaluru at town level on the occasion of Inter Office competition held on 26.10.2015.

REGIONAL OFFICES OF CSB

Regional Offices (ROs) of CSB too maintained liaison with states and their Departments of Sericulture and nested units in their jurisdiction. They coordinate with these agencies regarding various sericulture development programmes implemented in respective states. They are functioning at different locations, viz., New Delhi, Mumbai, Kolkata, Jammu, Hyderabad, Bhubaneshwar, Guwahati, Lucknow, Chennai and Patna. Other activities of Regional Offices are:

- Convening meetings of State Level Sericulture Co-ordination Committee (SLSCC) constituted by CSB.
- Organizing demonstrations, farmers' meets and entrepreneurship development programme.
- Collection of data pertaining to sericulture and silk industry, analyzing and forwarding to Central Office for maintaining the

Management Information System Database.

- Conducting base-line surveys in selected areas to work out productivity and economics of sericulturists.
- Identifying gaps in lab-to-land programmes in the states and proposing schemes/suggestions to Central Office.
- Coordinating with the Directors of the research institutes in their jurisdiction in respect of field trials, transfer of technology, surveys and evaluation studies.
- Critically evaluating the sericulture programmes run by the Non-Government Organizations (NGOs) and other voluntary agencies in different states.
- Organizing the implementation of development programmes in states.
- Coordinating the trainings/workshops and other publicity programmes on the directions of Central Office.
- Undertaking voluntary quality inspections of silk goods meant for exports.
- Assisting the states in formulation, implementation and evaluation of centrally sponsored Catalytic Development Programme.
- Acting as Central Public Information Officers/Assistant Public Information Officers to provide information to the public as per the provisions of RTI Act, 2005.
- Coordinating implementation/execution of 'Silk Mark' Chapters by Silk Mark Organization of India (SMOI).

In order to have a close monitoring the working arrangements for efficient functioning with proper coordination, the Regional Offices at New Delhi, Guwahati, Kolkata and Chennai

have been decentralized and designated as Regional-cum-Zonal Offices to carry out the additional responsibilities of the Regional Offices in their respective zones.

The Organogram of Regional-cum-Zonal offices and Regional Offices of CSB is given below:

Regional-cum-Zonal Office	Zone	Regional Office	States Covered
Regional Office, New Delhi	Northern Zone	Direct	Punjab, Haryana, H.P.
		Regional Office, Jammu	Rajasthan, Uttarakhand J&K
		Regional Office, Lucknow	UP
Regional Office, Kolkata	Eastern Zone	Direct	West Bengal
		Regional Office, Bhubaneswar	Odisha, Madhya Pradesh, Chhattisgarh
		Regional Office, Patna	Bihar, Jharkhand
Regional Office, Guwahati	North-eastern Zone	Direct	8 NE States
		MRMB	All muga producing states
Regional Office, Chennai	Southern Zone	Direct	Tamil Nadu
		Regional Office, Mumbai CO, Bengaluru (Nodal Officer) Regional Office, Hyderabad	Maharashtra, Gujarat Karnataka, Kerala Andhra Pradesh, Telangana

Export-Promotion Scheme

Pre-shipment Inspection

(A) Compulsory pre-shipment inspection of natural silk goods for export by Central Silk Board (CSB) has been dispensed with effect from 01.04.2000 as per the directions of the Ministry of Textiles, Govt. of India. However, CSB continues to be the inspection authority for natural silk goods. CSB is undertaking voluntary quality inspection against payment of service charges prescribed by the Board. Various tariff certificates including GSP, Handloom Certificates, Certificate of Origin and Handicraft Certificates are certified by CSB on inspection of silk goods and on self declaration by the exporters as well.

(B) Silk waste inspection and certification meant for export also forms a part of the services offered by the Board.

(C) 100% silk pile carpet inspection has been suspended w.e.f. 07.10.1999 as per the direction received from the Ministry of Textiles, Govt. of India, New Delhi. However, CSB is undertaking carpets' inspection under this scheme on voluntary basis as an export promotion measure, wherever the exporter or importer makes a request to CSB. '100% Natural Silk Pile Carpet' labels are affixed on the 100% natural silk pile carpets. The brand is well established with consumers abroad.

(D) During the year 2015-16, natural silk/mixed silk goods certified for exports by the

Certification Centres of CSB under Voluntary Quality Inspection Scheme amounted to 23.589 lakh sq. mts valued at Rs.249.947 Crore. A revenue of Rs.17,63,250/- has been generated under the voluntary quality inspection scheme towards the inspection charges, sale of blank forms, testing charges for samples and the issue of certificates such as GSP, Certificate of Origin, Handloom Certificate, Handicrafts Certificate, etc.

Issual of Various Tariff Certificates

- (a) To enable foreign importers to avail duty free or concessional duty for the import of natural silk/mixed silk products into their country under the EXIM Policy and bilateral agreements, various tariff certificates viz., Handlooms Certificate to EEC, Handicraft Certificate to EEC, Handicraft Certificate to Australia, Austria and Switzerland tariff certificate, Certificate of Origin and other Special Certificate of Origin to the U.A.E., Sri Lanka, Yugoslavia etc., are issued to goods inspected and certified for export and on the self declaration by the exporters against payment of requisite fees prescribed by the Board.
- (b) Handloom fabrics also enjoy a special privilege for duty concession at import destination offered by EEC countries.

Testing Facilities

Testing services are extended for checking silk quality, physical/chemical properties and

other parameters through laboratories attached to Certification Centres of the Board and analysis of sample swatches of silk for identification of constituent yarns and its percentages, etc.

Also, technical assistance is extended in identifying constituent yarns and percentage of silk content in products, as and when approached by different organizations like Customs Department, Directorate General of Foreign Trade, Directorates of Sericulture and other Textiles institutes, as well as private firms and individuals. Centre-wise silk/mixed silk goods certified under voluntary quality inspection scheme during 2015-16 is given in table. Revenue generated by way of extending service to the various institutions and exporting community for the year 2015-16 is given in the following table:

Centre-wise natural silk goods certified under voluntary quality inspection scheme during 2015-16		
Certification Centre	Quantity (lakh sq. mt.)	Value (Rs. in crore)
Mumbai	1.719	20.738
Bengaluru	17.217	109.724
New Delhi	2.147	74.584
Kolkata	1.486	9.186
Chennai	0.857	7.371
Varanasi	0.045	3.397
Srinagar	0.118	23.512
Hyderabad	0	1.435
Bhagalpur	0	0
Grand Total	23.589	249.947

Revenue generated by way of extending service to the various institutions and exporting community for the year 2015-16:

(Unit in Rs.)

Certification Centres	Sale of blank forms	Issue of Tarrif Certificates	Inspection Charges	Sample Testing Charges	Others
Mumbai	600	101500	13500	-	9100
Bengaluru	35300	651000	165150	188975	15200
New Delhi	23500	168000	88850	6875	-
Kolkata	4150	89950	32500	67550	-
Chennai	-	22050	30500	325	1400
Varanasi	-	1050	4900	3000	-
Srinagar	900	16450	16100	1375	-
Hyderabad	-	-	3500	-	-
Bhagalpur	-	-	-	-	-
Grand Total	64450	1050000	355000	268100	25700

MARKET DEVELOPMENT

Raw Material Banks (RMBs) for Tasar and Muga

The Central Silk Board has set up Raw Material Banks (RMB) for cocoons and by-products under price stabilization scheme of Govt. of India on "no profit no loss basis" to support the primary growers and supply cocoons at steady price and also to protect the interest of rearers from exploitation by middlemen. They ensure right incentive for production, relieve the beneficiaries from wide fluctuations in market prices of cocoon and raw silk and provide off-the-shelf supply of essential raw materials to actual users and manufacturing exporters of silk goods at steady prices. (Unit: Qty in lakhs nos. & value in lakh Rs.)

Sector	Procurement of cocoons		Sale of cocoons	
	Quantity	Value	Quantity	Value
Tasar	183.63	210.02	169.08	201.21
Muga	1.02	1.38	1.02	1.41

RMBs for tasar at Chaibasa (Jharkhand) with 4 sub-depots and for muga at Sibsagar (Assam)

with 3 sub-depots ensure economic and fair price to the primary tasar and muga cocoon growers. The transaction details of tasar & muga cocoons made by RMBs are given the table above.

QUALITY CERTIFICATION SYSTEMS

Establishment of Cocoon & Raw Silk Testing Centres

Cocoon quality is an important factor which affects the reeling performance, as well as raw silk quality. Assessment of cocoon quality prior to auction facilitates fair trading between the farmers and the reelers/buyers and promotes quality based pricing. In order to facilitate cocoon testing, Cocoon Testing Centers (CTCs) are provided at various cocoon markets.

Similarly, the raw silk quality like average denier, denier variation and winding breaks, play an important role and affect the performance during weaving and fabric quality. Basic objective of testing the raw silk for quality is to create

awareness about raw silk quality, thereby creating an impetus towards quality improvement of raw silk.

During 2015-16, two CTCs, one each at Jangoan and Hyderabad (Telangana) and three RSTCs one each at Dharwad, Kolar (Karnataka) and Jangaon (Telangana) are being established under the scheme.

Particulars	Achievement during 2015-16
Total No. of Authorized Users enrolled	272
Total No. of Silk Mark Labels sold (Lakh Nos.)	27
Awareness Programmes Exhibitions/Fairs/Workshops/Road Shows (Nos.)	410

Silk Mark Organization of India

One of the main objectives of the Quality Certification Systems (QCS) is to initiate suitable measures towards strengthening quality assurance, quality assessment and quality certification. Under the scheme, two components viz., 'cocoon testing units and raw silk testing units' and 'promotion of Silk Mark' are being implemented.

CSB is popularizing 'Silk Mark scheme', through the Silk Mark Organization of India (SMOI). 'Silk Mark', an assurance label, protects the interests of the consumers from the traders selling spurious products in the name of pure silk. The network of Certification Centres of CSB, working both independently as well as those attached to the Regional Offices are carrying out pre-shipment inspection of natural silk goods meant for export from exporters who apply voluntarily for availing the inspection facility to ensure quality and purity

of the natural silk goods exported from India. These offices are also multi tasking by carrying out the promotion of Silk Mark Scheme, thereby helping the consumers of pure silk products to get the value for their money and the stakeholders of silk value chain reap greater business.

The progress achieved under the Quality Certification systems (QCS) Scheme during 2015-16 is given in the table.

Besides, 2897 salespersons were trained in the authorized user premises. The SMOI conducted 2464 surveillance inspections.

Export Promotion/Brand Promotion and Technology Upgradation

During XII Plan, a new component 'Export/ Brand Promotion & Technology Up-Gradation' was conceived for the year to be implemented by SMOI and ISEPC. However, the scheme Indian Silk Brand Promotion has been implemented only for two years for (2013-14 & 2014-15) with interaction with all the stakeholders, exporters, importers, fashion designers, etc.

As a rationalization effort, this scheme has been discontinued from the year 2015-16 and some of the components of the scheme were merged with the existing Quality Certification System of CSB for the remaining part of the plan period, as per directives from the Ministry. Some of the promotional activities undertaken during the period are:

- a. Promotional programmes for Indian Silk at Sualkuchi, Uppada and Chanderi have been completed.
- b. Development of an Exclusive Indian Silk portal has been completed.

- c. An exclusive e-commerce portal, www.silkmark.gocoop.com to promote the products of silk clusters has been set up. In the first phase, five clusters namely Varanasi, Bhagalpur, Uppada, Pochampalli and Sualkuchi have been covered. A fairly good response is being received for the portal from the consumers.
- d. An exclusive website by the name www.worldofindiansilks.com has been developed for the promotion of Indian silks. The website showcases the wide variety of product range available in India from different clusters.
- e. Three silk testing centres have been established at Kolkata, Guwahati and Sualkuchi catering to the consumers and traders.
- f. Actively participated in the Destination North-East at Pragati Maidan, New Delhi in association with Ministry of DoNER. Twelve authorized users of silk mark from North-eastern region showcased their produce of natural silk.
- g. SMOI arranged a grand informative theme pavilion in the national workshop on 'Innovative Technologies and Best Practices in Sericulture' held at CSRTI, Mysuru on 17th November 2015 to showcase the achievements over the last 10 years. One authorized user of Silk Mark from Mysuru displayed a range of silk products. Shri Santosh Kumar Gangwar, Hon'ble Union

Minister of State for Textiles and other dignitaries visited the pavilion and appreciated the efforts.

- h. 'Resham Ghar' an exclusive showroom established at New Delhi in collaboration with Lepakshi is providing very good business turnover and market access to the weavers, designers, cooperative societies etc. from different silk clusters.

Silk Mark Expos

In order to ensure that Silk Mark gains further credibility & popularity, Silk Mark expos are being organized exclusively for Silk Mark authorized users across the country. The expo is an ideal platform not only to popularize Silk Mark but also in bringing the manufacturers and the consumers under one platform for buying and selling of pure silk products. Substantial business for the participants is generated during this event. During the event massive awareness and publicity campaigns are carried out by the SMOI.

During 2015-16, sixteen expos were organized at Guwahati (2), Kochi, Puducherry, Thiruvananthapuram, Bhubaneshwar, Kolkata, Ranchi, Hyderabad, Bhopal, Jaipur, Pune, Bengaluru, Jammu and Dibrugarh.

Authorized users of Silk Mark like weavers, manufacturers, cooperative societies and retail traders from different clusters participated in all the expos. More than 1.10 lakh consumers visited the expos and approximately Rs.17.50 crore business transactions took place in the above expos.

Vanya Silk Market Promotion Cell

The activities under VSMPC continued during 2015-16 with a special focus on generic, brand and market promotion of *Vanya Silk* by organizing Vanya Silk Expos, Workshops, interaction meets, commercialization programmes, participation in Expos/ Exhibitions, product development through collaborative project and promotion of Organic Vanya silk.

Organizing Vanya Silk Expos: VSMPC in association with Silk Mark Organization of India organized Silk Mark-Vanya Silk Expos at Kolkata, Bhopal and Bengaluru with a special focus on brand and market promotion of Vanya Silks.

Participation in Exhibitions: VSMPC has participated in 7 Silk Mark Expos – held at Kochi, Puducherry, Tiruvananthapuram, Kolkata, Jaipur, Bhopal and Bengaluru, VSMPC in association with CSTRI Bengaluru, ESSO, Guwahati, CSR&TI Mysuru and CTR&TI Ranchi & their nested units, has organized exclusive Vanya Silk Theme Pavilion in all the 7 Expos. The Generic and Brand promotion of Vanya Silks is being done through these exhibitions. Exclusive Vanya Silk products developed, were displayed in the theme pavilion.

Participation in 'Destination North-East'. VSMPC, P3D and SMOI have jointly participated in the exhibition 'Destination North-East' organized by Ministry of North-East Development (DONER) in New Delhi from 12th -14th Feb. 2016. The Vanya silk products have received very good appreciation from the visitors and the dignitaries.

Generic and Brand Promotion: The Vanya Silks has a registered Logo which is being used in all the publicity material, Hoardings, Handbills and Web-site etc. Wide publicity is being given during the exhibitions to Vanya Silk Logo through

paper advertisement, hoardings, and carry bags. Advertisements on Generic and Brand Promotion of Vanya Silks are released during Silk Mark Expos in association with SMOI. VSMPC has released the advertisements in Indian Silk magazine and Silk Mark Vogue magazine. The advertisements in respect of Generic promotion of Vanya Silk are also released by publicity section in popular magazines.

Workshop on 'Dyeing and Finishing of Silk knitted fabrics'. In order to educate the dyeing and processing industry of Tirupur on the process parameters and technicalities in silk degumming, dyeing and finishing and also handle/process the smaller quantity of silk knitted fabrics, a workshop on 'Dyeing and Finishing of Silk knitted fabrics' was organized in association with NIFT TEA Knitwear Fashion Institute, Tirupur. The workshop was organized in Tirupur on 10th Dec, 2015 and was attended by 75 knitwear manufacturers, exporters, technicians, lab assistants, supervisor from processing industry and 25 students from NIFT-TEA Knitwear Fashion Institute.

Industry Interaction Meet: Industry Interactive Session on 'Product Diversification & Technicalities in Silk Knitwear Production' was organized on 16th April, 2015 at Tirupur to provide Technicalities in Silk Knitwear Production to the Industries as well as its commercial viability. During the event, the following technical presentations were made by the experts in the field:

- 1) Product development and commercialization
- 2) Processing and value added finishing of silk knitwear products
- 3) Development of knitted fabrics for technical applications.
- 4) Expert Interactions with Industries.

Commercialization of Vanya Silk products: VSMPC has interacted with the manufacturers and exporters in Bengaluru, Tirupur, Erode and Bhagalpur and in the Expo venues/places and apprised them of commercializing the new products.

e-listing of products: An initiation has been made in association with SMOI for e-listing of Vanya silk products developed under VSMPC and P3D to Silk Mark web portal.

Collaborative Projects with External Agencies

- i) 'Development of Eri silk/Coir union blended products' – a joint project by CCRI, Coir Board, Kalavoor and CSTRl Bengaluru at an approved budget of Rs.3.00 lakh, has been concluded.
- ii) 'Development of light weight Eri knitted fabric for casual & intimate garments' a project by NIFT TEA, KFI, Tirupur at a total budget of Rs.2.80 lakh initiated during 2014-15 has been concluded successfully.
- iii) Another project entitled 'Development of Silk Knitwear on Seamless Technology' by NIFT TEA, KFI, Tirupur with a budget of Rs.3.40 lakh was implemented during 2015-16. The project work is under progress and the products with seamless technology have been developed.

Vanya Silk Shoppes: Three Vanya Silk Shoppes one in Bengaluru and two in New Delhi continued to function. Wide publicity was given to Vanya Silk Shoppes and these shoppes in turn have and in turn beneficiaries also through print media, web-site etc., for promotion of sales of Vanya Silks. CSB also extended support in preparing suitable advertisement, providing

linkages with designers, boutiques and bulk consumers etc.

Promoting Organic Silk: The Vanya silk manufacturers are being encouraged in promoting Vanya Silks as Organic Silks. VSMPC has been facilitating the agencies with relevant information to get accreditation of Organic/Eco silk. The information has also been forwarded to the Directors of Sericulture and vanya silk logo authorized users for reference and further necessary action.

Authorized User of Vanya Silk Logo: In order to involve the stake holders of the vanya silk industry in generic and brand promotion of vanya silks, VSMPC has introduced the concept of authorized user to authorize private manufacturers, retailers, exporters to use Vanya Silk logo for generic and brand promotion. A total number of 50 Authorized Users have been registered so far.

Interaction with manufacturers, traders, exporters, designers and consumers: The VSMPC has been continuously interacting with manufacturers, traders, exporters, designers and consumers during expos; events etc. and has been striving to create awareness about the Vanya Silk products, their comfort characteristics, availability, production process and obtaining feedback. VSMPC also continues to provide backward and forward linkages to the entrepreneurs, manufacturers, traders and exporters.

Product Development-Coordination with P3D: VSMPC has been continuously coordinating the Product Design and Development, participation in exhibition, arranging the display of products in the P3D Cell, interaction with the visitors and dignitaries visiting P3D Cell.

Product Design Development and Diversification (P3D)

The activities under Product Design Development Diversification (P3D) were continued during 2015-16 also with a special focus on fabric engineering, silk blends, designing new fabric structures, design & development of new products in silk and silk blends, product development in the clusters, commercialized of new products developed, assisting the commercializing partner in providing backward linkage, technical know-how and assisting/coordinating in sample development.

Product Development

During the period, Product Design, Development and Diversification Cell, has engineered the following fabrics:

- Tasar Fabric
- Warp: 2 ply Twisted tasar yarn
- Weft: 2pl Twisted Tasar Yarn and 3ply twisted tasar yarn
- Reed: 100 and picks 90
- Cross colour crepe fabric:
- Warp and Weft: International standard Indian Bivoltine silk.
- Warp: Coloured yarn
- Fabric: Degummed and dyed

Development of Pure Silk Sarees and Dress materials in Chanderi Cluster

P3D in association with the CSTRI and NIFT Bhopal has developed the Chanderi cluster sarees with Kora silk warp and Spun silk weft (all four varieties of silk). This has helped to market the Chanderi products as pure silk sarees.

Collaborative projects on Product Development with other Institutes

- a) Army Institute of Fashion Technology, Bengaluru
 - 1) Design and Development of Fashion Garments using varieties of silk has been implemented during 2014-15 and AIFD has completed the project and submitted the developed products and report .
 - 2) Development of silk union fabrics and study of their properties is under progress.
- b) NIFT, Bhopal
“Product Development and Diversification in Chanderi Silk weaving cluster” jointly with NIFT Bhopal and CSTRI, Bengaluru using international grade Indian bivoltine silk as warp and spun yarn in the Weft has been approved and initiated with the total budget of Rs.10,38,411 (Rs.5,88,412.00 is NIFT, Bhopal’s share and the balance of Rs.4.5 lakh will be directly spent by CSB towards procurement of yarn, weaving and brochure printing etc.). In the project, 10 traditional sarees, 10 modern designed sarees, 20 garments and accessories will be developed.
- c) CSTRI, Bengaluru
Development of silk knitwear products/ garments using Indian silk of international grade is under progress. P3D is working with CSTRI and NIFT-TEA for implementation of the project.

Commercialization of Products

P3D has taken up the following commercialization activities:

- a) Mraganayanee, Bhopal has taken up the production of newly developed Chanderi pure silk sarees. P3D has given all technical support like, construction particulars, yarn sourcing, designs, designer selection and work training on weaving. Mraganayanee started the production of 200 sarees. M/s. Hanger 53, a boutique in Bengaluru has taken technical details from P3D for development of Chanderi silk sarees and developed the sarees in the cluster.
- b) P3D cell visited the Bhaskar Denim, Bhopal and had an interaction on development of silk denim fabrics. Bhaskar Denim has shown interest in the development of new silk denim fabric range.
- c) Sponsored the Fashion show organized by SMOI, Hyderabad at Visakhapatnam and showcased newly developed products like Chanderi sarees, garments and dresses developed by AIFD, Bengaluru.

Participation in Exhibitions

P3D has participated and arranged the theme pavilion in the "National workshop on Innovative Technologies and Best Practices in Sericulture" held at Mysuru during 17th-18th November, 2015. P3D participated in the Silk Mark- Vanya Silk Exhibition at different places like Kochi, Tiruvananthapuram, Kolkata, Jaipur, Bhopal, Bengaluru and organized the display of newly developed silk products in the theme pavilion. During the participation in the Silk Mark Expo at Bhopal, P3D, organized an interaction meet with the Manufacturers/Suppliers/Retailers and showcase the newly developed product of Chanderi silk saree to spread awareness of the

products and to commercialize during the meet many of the participants expressed keen interest to manufacture and market them. Details regarding technical know-how, source of yarn and designers were given to the participants.

P3D has arranged theme pavilion in the destination North-East expo held at New Delhi during 12th – 14th February, 2016 and show cased the muga reeling and spinning activities and also displayed the North-eastern products.

Other Activities

During the period under report, Agriculture Minister of J&K, Shri Giriraj Singh, Honourable Minister of MSME Govt. of India, Smt. Rashmi Verma, IAS, Secretary (Textiles), MoT, Government of India, Shri Alok Kumar, IAS, DC (Handlooms), MoT visited P3D and appreciated the efforts in development of new silk products and commercialization of these products. 752 students from different colleges/fashion Institutes and 356 entrepreneurs/farmers visited the P3D cell and gained awareness and technical know how of the products developed by CSB.

Project for Sericulture Development in Tribal Areas under Tribal Sub-plan (TSP)

Projects with an outlay of Rs.20 crore for each year for Tasar promotion under Tribal Sub Plan (TSP) of the Ministry of Textiles, Govt. of India during the period 2015-16 & 2016-17 were approved by EFC, in the states of Jharkhand, Odisha, Chhattisgarh, Telangana and West Bengal. Projects were proposed to take up the seed augmentation and rearing activities at block level and states supporting plantations, convergence, extension support, infrastructure and manpower support, facilitating backward and forward linkages,

marketing, etc., besides, leveraging the project funds and enhancing the coverage. CSB field units viz., Regional Tasar Research Station (RTRS) or Research Extension Centre (REC) or Basic Seed Multiplication & Training Centre (BSM&TC) were entrusted to extend technical support, training to facilitate supply of quality tasar silkworm seed.

Entire fund of Rs.20 crore has been released during the year 2015-16, as per the allocation under revenue (Rs.6 crore) and capital (Rs.14 crore) components. In absence of proposals from the states as per original allocation, allocations under TSP were utilized for addressing critical gaps in mulberry and Tasar in some of the states and also towards CSB share under ongoing MKSP Projects, as detailed below:

(Unit : Rs. in Lakhs)

Particulars	Revenue	Capital	Total
Tasar Projects in cluster mode	513.97	436.72	950.69
TSP Projects for mulberry and tasar to address the critical gaps	0.00	789.41	789.41
<i>Sub-total for TSP projects</i>	<i>513.97</i>	<i>1226.13</i>	<i>1740.10</i>
Ongoing Tasar Projects under MKSP	86.02	173.88	259.90
Total	600.00	1400.00	2000.00

As the fund was released during the last quarter after the crop season got over, states have taken up base line survey, inception workshops and planning for various activities in the ensuing year.

Implementation of Scheduled Caste Sub-plan (SCSP)

Scheduled Caste Sub-plan (SCSP) for sericulture has been implemented with a total

central share of Rs.7 crore during the year 2015-16. The objectives of the programme include substantial reduction of poverty and unemployment, creating productive assets, human resource development and arrest exploitation through physical and financial security among the Scheduled Castes. The SC beneficiaries have been assisted for inputs supply towards productivity improvement, beneficiary empowerment, Tasar cluster promotion programme and for quality seed cocoon generation. During 2015-16, a total number of 2144 beneficiaries have been covered in the States of Karnataka, Andhra Pradesh, Telangana, Kerala, Tamil Nadu, Maharashtra, Madhya Pradesh, Uttar Pradesh, West Bengal, Bihar, Odisha and Jharkhand under SCSP.

NERTPS Project for Sericulture (Support for North-Eastern Region)

North-Eastern Region Textile Promotion Scheme

In order to boost the textile sector in the NE region, the Govt. of India has approved a project-based strategy under an umbrella scheme by name "North-eastern Region Textile Promotion Scheme" (NERTPS). The broad objective of the scheme is to develop and modernize the textile sector in the North-eastern Region by providing required government support in terms of raw material, seed banks, machinery, common facility centres, skill development, design and marketing support, etc. Under NERTPS, various sericulture projects have been approved under two broad categories viz., ISDP and IBSDP.

I. Integrated Sericulture Development Project (ISDP)

Under North-eastern Region-Textiles Promotion Scheme, Govt. of India has approved 14 sericulture projects with a total cost of Rs.523.33 crore (Gol share of Rs.423.33 crore) for implementation in NE states viz., Assam, BTC, Arunachal Pradesh,

cocoon producers/reelers/weavers' level in identified areas, 1 (one) project is for creation of Seed Infrastructure for CSB to produce quality seed in NE to support states and stakeholder at a cost of Rs.39.60 crore (Mulberry, Eri and Muga sectors). The details of physical and financial target & achievement (till March-2016) are given in the table.

State	Total Cost (Crore Rs.)	Gol share (Crore Rs.)	Gol release March-2016 (Crore Rs.)	Beneficiaries covered (Nos.)	Project Output (MT)
Assam	66.67	47.42	14.67	3,265	196
BTC	34.92	24.68	8.22	1,576	171
Arunachal Pradesh	18.42	18.42	12.28	1,362	79
Manipur (Valley)	149.76	126.60	38.08	2,896	450
Manipur (for Hill Districts)	30.39	24.67	7.75	1,514	68
Meghalaya	30.16	21.91	7.30	1,466	162
Mizoram	32.49	24.49	8.16	1,811	117
Nagaland	31.47	22.66	7.55	1,898	166
Tripura	47.95	33.20	11.06	3,510	275
Tripura (for printing)	3.41	3.41	1.20	--	1.50 lakh mts./yr
Creating seed infrastructure for CSB	39.60	39.60	12.57	--	30 lakh Mulberry & Muga/Eri dfls/yr
BTC (IEDPB)	11.41	10.61	-	500	60
Mizoram (IMS DP)	13.52	12.83	-	600	15.86
Nagaland (IES DP for WE)	13.66	12.83	-	1000	72
Total	523.83	423.33	128.86	21,398	1831

Manipur, Meghalaya, Mizoram, Nagaland and Tripura, including a Silk Printing & Processing unit for Tripura for a period of 3 years from 2014-15 to 2017-18. While, 13 projects are meant for implementation by states to consolidate the state efforts to strengthen the existing facilities including support for infrastructure creation at farmers/seed

II. Intensive Bivoltine Sericulture Development Project [IBSDP]

Eight Projects on Intensive Bivoltine Sericulture Development for all NE States (except Manipur) at a total cost of Rs.236.78 crore (Gol share of Rs.210.41 crore) have also been taken up for production of international quality bivoltine silk. The project envisages to cover 500 acres

under mulberry plantation in 2 blocks at each cluster involving approximately 1,100 women beneficiaries per state including weavers. Overall, it aims to cover 4,000 acres of mulberry plantation and around 9000 women beneficiaries covering 8 clusters in NE states. Social mobilization and women group formation along with supporting interventions for plantation development and infrastructure creation are integral part of the project. These projects are presently under implementation in respective states. The details of physical and financial target & achievement (till March-2016) are as follows :

Uttarakhand” at a total cost of Rs.917.840 lakh to be implemented by Directorate of Sericulture, Govt. of Uttarakhand over a period of 5 years from 2007-08 to 2011-12. The project is extended up to March, 2016. The funds are shared by MORD (Rs.417.009 lakh) and CSB/State share at Rs.379.636 lakh, (CSB – Rs.299.383 lakh & State-80.253 lakh), Bank credit is Rs.76.205 lakh and the beneficiary contribution is Rs.44.991 lakh. Central Silk Board is the Executing and Coordinating Agency. Project is being implemented by DOS, Govt. of Uttarakhand in Nainital district and by Grameen Krishi Vikas Samittee (GKVS),

State	Total Cost (Crore Rs.)	Gol share (Crores Rs.)	Gol release till March-2015 (Crore Rs.)	Beneficiaries covered (Nos.)	Raw Silk Output during Project (MT)
Assam	29.55	26.28	5.50	1,100	29
BTC	30.06	26.75	5.50	1,200	26
Ar. Pradesh	29.47	26.20	5.50	1,100	20
Meghalaya	29.01	25.77	5.50	1,000	27
Mizoram	30.15	26.87	5.50	1,100	26
Nagaland	29.43	26.16	9.90	1,100	27
Sikkim	29.68	26.43	5.50	1,050	27
Tripura	29.43	25.95	5.50	1,100	27
Total	236.78	210.41	48.40	8,750	209

PROJECTS WITH FUNDING FROM OTHER ORGANIZATIONS

Special SGSY Project for Development of Mulberry Sericulture in Uttarakhand

The Ministry of Rural Development (MoRD), Government of India has sanctioned a project entitled “A Special SGSY Project for Development of Mulberry Sericulture in

an NGO in Udham Singh Nagar district. The brief details of these projects are given in the above table.

MoRD share of Rs.399.23 lakh and CSB share of Rs.295.79 lakh was released to the project till March 2016. Apart from the above, administrative cost of Rs.43.865 lakh was released to NGO from CSB share. State has

State	Sector	Project period	Total project cost	MoRD share	CSB share	MoRD share released	CSB share released	No. of beneficiaries
Uttarakhand	Mulberry	2007-12 extended up to 2016	917.48	417.01	299.383	399.23	295.79	1090

released Rs.80.253 lakh matching share and credit amounting to Rs.71.75 lakh and beneficiary share of Rs.32.75 lakh has been mobilized to implement the project activities. Remaining amount of credit and beneficiary towards CRCs were borne by State as the CRCs were established by State Govt. The progress achieved under the project at the end of March, 2016 is as follows:

- 50 vermi-compost sheds functioning under the project have produced a total of 877 MT of vermi-compost since inception and achieved targets in full.
- A total of 974 units of ½ acre tree type plantation and 26 units of bush plantations using S-146 variety of mulberry have been raised in Nainital and Udham Singh Nagar districts. Plantation targets have been achieved in full with a survival of 90% in the field.
- As per the project target, construction of 9 CRCs at Bichpuri, Nathunagar, Chankpur, Mankanthpur, Ranikota, Rajpura Kyari, Vijaypura and Pachawala was completed and utilized for chawki rearing.
- As per the project target of 1000 units, loan is sanctioned to 1000 swarojgaries for obtaining credit for construction of rearing house and rearing appliances. All the 1000 swarojgaries have completed construction of rearing houses and supplied rearing appliances as per the target envisaged under the project. These facilities were utilized by the beneficiaries for cocoon production.
- All the 1090 swarojgaris covered under the project were trained in plantation maintenance, Chawki rearing and silkworm

rearing techniques. Besides, capacity building training programme was organized for SHGs and a total of 85 office bearers of SHGs were trained on capacity building in three batches.

- 500 swarojgaries have been given exposure on sericulture practices at different places i.e., Dehradun, Himachal Pradesh, J &K and Bengaluru/Mysuru as per target in the project.
- Rearers' passbooks have been supplied to all the swarojgaries who have raised plantation for recording details of input support and activity performed by them under the project. Also 10 Krishi melas were organized as per the target.

Silkworm rearing of 1,06,000 dfils was taken up for two crops during the year 2015-16 and produced 42.65 MT bivoltine cocoons with an average production of 40.25 kg/100 dfils. Since inception, a total of 4.79 lakh dfils were reared and 171.4 MT cocoons were produced against the targets of 3.67 lakh dfils and 157 MT cocoon production under the project.

Project has achieved envisaged targets and concluded.

MKSP Projects for Tasar Development

CSB has formulated projects for tasar development for the states of Jharkhand, Odisha, West Bengal and Chhattisgarh in coordination with PRADAN; in Maharashtra with BAIF, Pune; in Andhra Pradesh & Telangana with SERP & Kovel and in Bihar with BRLPS & PRADAN. The projects propose to create over 36,000 sustainable livelihoods for the marginalized households, especially women belonging to Scheduled Tribes (with about 26000 families covered in tasar sector) in selected 23 districts of 8 states, which are

mostly Left Wing Extremism (LWE) affected. These projects are being implemented since October 2013 for a period of three years, except Bihar, which was initiated from January 2015. MoRD approved these projects at a project grant of Rs.7160.90 lakh shared by MoRD (Rs.5366.15 lakh) and CSB (Rs.1794.78 lakh) at 75:25 ratio. Projects also envisage to raise 3500 ha of block plantation of tasar host plants, support regeneration of around 9500 ha., of natural flora, produce 6.75 lakh dfls basic seed, 59.35 lakh commercial seed and 16 crore reeling cocoons besides, nurturing 478 Community Resource Persons.

CSB is responsible for providing technical inputs and training of field staff of the NGO partners through its Field Units in various sectors viz., seed, pre-cocoon and post-cocoon. Being the coordinating agency, CSB would receive funds from the Ministry of Rural Development, GOI and transfer to the Project Implementing Agencies (PIAs) as per the requisition received from the PIA and Action Plan. The financial progress is as follows:

Financial Progress

MoRD has released 75% of its share (Rs.29.34 crore) to CSB under multi state project, of which Rs.19.321 crore has been released to the PIAs (PRADAN & BAIF), of which Rs.8.317 crore has been utilized (43.05%). MoRD share is released directly to BRLPS and SERP in respect of Bihar, Andhra Pradesh & Telangana projects, respectively. CSB has also released a total amount of Rs.9.777 crores (CDP share) to all the PIAs including SERP, of which Rs.8.536 crores have been utilized.

Physical Progress – Multi State Project

Project Coverage: As on March, 2016, a total of 14379 farmers were covered against the target of 20012 including 12056 STs (83.96%), 407 SCs (2.83%) and 1916 minorities (13.32%) under the project, since inception. Of the above, 12303 were existing members of SHG and Mahila Kisans were mobilized into 351 informal producer groups. Above Mahila Kisans were covered in 504 hamlets, 368 revenue villages, 33 blocks and 18 districts of the project states.

Project state	Total MoRD share	MoRD share received (75%)	MoRD share released to PIAs (Yr-1)	UC PIAs submitted by PIAs	Total CSB share	CSB share released to PIAs (2013-14)	UC submitted by PIAs	Balance CSB share to be released
Jharkhand	1795.46	1346.625	891.333	349.955	598.486	355.062	301.294	243.424
Chhattisgarh	598.73	449.025	296.912	130.278	204.286	121.146	121.135	83.14
Odisha	358.586	268.950	177.785	61.174	133.599	95.667	80.495	37.932
West Bengal	400.400	300.300	198.480	90.613	119.447	112.229	90.919	7.218
Maharashtra	759.800	569.850	367.561	199.681	253.211	154.229	98.140	98.982
AP/ Telangana	784.04				262.668	62.498	154.054	200.17
Bihar	669.43				223.145	76.890	7.522	146.255
Total	5366.2	2934.750	1932.072	831.700	1794.84	977.722	853.559	817.121

Augmentation of tasar host plants: 1687 Mahila Kisans established 809.68 ha. of tasar host plants in private waste lands through seedlings raised by them in Kisan nurseries.

Seed rearing and seed augmentation: Under the seed cocoon production 1137 seed rearers brushed 2.298 lakh dfls of basic seed procured from BTSSO and BSPUs established under special SGSY Projects, to produce 75.69 lakh seed cocoons. 166 nucleus seed rearers brushed 43800 dfls of nucleus seed to produce 22.981 lakh seed cocoons @ 37.76 seed cocoons per dfl. 155 private graineurs processed 50.92 lakh seed cocoons and produced 9.9316 lakh commercial dfls @ cocoon:dfl ratio of 3.5:1 and 6140 commercial rearers brushed 11.35 lakh dfls procured from the private grainages of MKSP/ special SGSY projects/DOSs, to produce 349.70 lakh reeling cocoons.

Capacity building & institution building: Under human resource programme various Capacity & Institution Building training programmes were organized under the project. Major ones being the Technical training (11554 nos.), training on sectoral activities viz., sustainable agriculture, vegetable cultivation, etc. (8307 nos.), Community Resource Persons Training (601 nos.), On-field training to CRPs (16883 nos.), SHG training (2908 nos.), etc. Further, 3507 nos. are covered under Membership training, 119 nos., under Leadership training besides organizing 43 exposure visits (under producer collectives), and 2 nos., trainers training programme. Six training modules for various HRD activities and technical protocol were prepared and submitted to NRLM, under the project.

Physical Progress: Andhra Pradesh & Telangana

Project coverage: 3879 farmers were covered against the target of 5928 including 2879 STs (48.56%), 470 SCs (7.92%) and 530 minorities (8.94%) under the project since inception. Of the above, 3879 were existing members of SHG and Mahila Kisans were mobilized into 270 informal producer groups. Above Mahila Kisans were covered in 130 hamlets, 67 revenue villages, 22 blocks and 5 districts of the project states.

Augmentation of tasar host plants: 86 Mahila Kisans established 126.40 ha. of tasar host plants in private waste lands through seedlings raised by them in Kisan nurseries against the target of 225 ha.

Seed rearing and seed augmentation: 45 nucleus seed rearers brushed 9000 dfls of nucleus seed to produce 3.0 lakh seed cocoons @ 37.76 seed cocoons per dfl. Under the seed cocoon production 259 seed rearers brushed 1.256 lakh dfls to produce 7.9684 lakh seed cocoons. 8 private graineurs processed 4.1904 lakh seed cocoons and produced 2.55175 lakh commercial dfls @ cocoon:dfl ratio of 5.1:1 and 2160 commercial rearers brushed 4.32 lakh dfls procured from the private grainages of MKSP/ special SGSY projects/ DOSs, to produce 48.2480 lakh reeling cocoons.

Capacity building & Institution Building: Under human resource programme various Capacity & Institution Building training programmes were organized under the project. Major ones being

the technical training (2453 nos.), Community Resource Persons Training (52 nos.), etc. Further, 19 nos. are covered under membership training, 2 nos., trainers training programme. Six training modules for various HRD activities and technical protocol were prepared and submitted to SRLM, under the project.

Vanya Cluster Programme

Central Silk Board, under XII Plan, has envisaged implementation of Vanya Cluster Promotion Program (VCP) for organized development of Vanya sericulture with a view to address the critical gaps in seed production and supply, improve cocoon productivity and quality of vanya silk through technological interventions, input support and capacity building of stakeholders. Each cluster is proposed to cover 180 to 200 beneficiaries based on the potential and topography in the cluster to build backward and forward linkages for self sustainability as well as to support stakeholders of nearby areas for seed. These clusters shall be developed as 'demonstrable models' for development of vanya silk. The major interventions through clusters proposed to organize the following:

- Identify the stakeholders to undertake different activities in clusters.
 - Organize seed production in private sector to cater to the needs of increase in raw silk production target.
 - Productivity improvement through maintenance of existing vanya host plants, augmentation of new plantations, disease monitoring and remedial measures.
 - Transfer of improved technologies to the farmers.
- Skill up-gradation and training of stakeholders in proven technologies in the areas of seed production, rearing and reeling activities, etc., as per the needs of the cluster.
 - Strengthen backward and forward linkages for silkworm seed, cocoon processing, etc.
 - Infrastructure development in private sector, especially for silkworm seed production and cocoon processing.
 - Community building for the integrated development of vanya silk by improving the group activity - capacity building.
 - Disease monitoring through Joint Disease Monitoring Squads.

Accordingly, 22 clusters have been identified in different Tasar producing states and benchmark survey and diagnostic studies have been completed by the Cluster Development Facilitators (CDFs) nominated by the CSB and states to these clusters. The VCP program is proposed to be implemented jointly by CSB units in close coordination with concerned State DoS, by utilizing the funds allocated under the restructured Central Sector Scheme (CSS). The Director of CTRTI, Ranchi and BTSSO, Bilaspur have been entrusted to monitor the implementation of those clusters in close coordination with respective State Sericulture Departments.

Benchmark survey, diagnostic studies have been completed. Orientation Workshop organized for building awareness and capacity building of CDFs and state officials to take off implementation process. The Central assistance released to the states to start implementation of Vanya Cluster Programme in all the states. Detailed guidelines issued for implementation of the programme and

#	Institutes linked	State	Name of the Tasar cluster
1	CTR TI, Ranchi	Jharkhand	Mohanpur, Deoghar
2			Jharmundi, Dumka
3			Ramgarh, Dumka
4			Bandhgaon, West Singhbhum
5			Majhgaon, W. Singhbhum
6			Boarijore, Godda
7		Odisha	Thakurmunda-Mahuldiha-Kendujuani, District- Mayurbhanj
8			Baincha-Jalghati-Dantiamuhan, District -Mayurbhanj
9		Telangana	Mahadevpur, Karmnagar
10		Andhra Pradesh	Kunavaram, Khammam
11		Maharashtra	Nisti, Tahsil- Pavani, Bhandara
12		West Bengal	Kashipur, Purulia
13		Uttar Pradesh	Bundelkhand, Jhansi
14	BTSSO, Bilaspur	Jharkhand	Barhet, Sahibganj
15			Jhinkapani, Chaibasa
16			Jagdishpur, Deogarh
17			Rajnagar, Saraikela/ Kharsawan
18		Odisha	Telkoi-Benhamunda, District -Keonjhar
19			Jeenari-Pardapada, District-Keonjhar
20		Madhya Pradesh	Narsinghpur
21		Uttar Pradesh	Mungadih, Sonbhadra
22		Chhattisgarh	Ambikapur

committee at cluster, state and institute levels have been constituted for expediting the implementation and review of the progress of the programme periodically.

Each cluster is proposed to be supported with 60 Adopted Seed Rearers and 15 private graineurs along with support for capacity building, door to door service for field disinfection and mobile testing units in the current year, i.e. 2015-16 for supporting quality seed production. GoI assistance amounting to Rs.12.6 crore to support 1472 beneficiary, under the programme was released to respective state governments and funds amounting to Rs.74.474 lakh were released to Director (s), CTR TI, Ranchi

and BTSSO, Bilaspur towards capacity building of beneficiaries, study tour and awareness programme, for implementing the VCPP programme. As the funds were released in last quarter of 2015-16, after crop season was over, the implementation will take effect from April 2016 in the field and impact of the programme shall be visible during 2016-17.

Convergence of Schemes

The Ministry of Textiles is extending support to the sericulture sector in the form of CSS & NERTPS. Efforts are taken further by mobilizing additional funds through convergence, by availing

the schemes of MGNREGS, RKVY, etc. being implemented by other Ministries of Govt. of India/ States. Central Silk Board facilitated State Govt. for preparation and submission of convergence projects for dovetailing MGNREGS and RKVY, TDF etc., scheme for sericulture development. During the financial year 2015-16, 185 proposals with a total outlay of Rs. 1013.35 crore were submitted of which 91 proposals were sanctioned for an amount of Rs. 562.38 crore and funds worth Rs. 319.75 crore released to different states under convergence programme.

Mysuru Mega Cluster Project

Govt. of India, during the budget announcement for 2014-15, had proposed to set up seven Textile Mega Clusters in the country with an allocation of Rs.200.00 crore, with one such cluster for silk at Mysuru (Karnataka). Accordingly, it was proposed

to set up a Mega Silk Cluster at Mysuru following the guidelines of Comprehensive Powerloom Cluster Development Scheme of Govt. of India. The main objective of the project is to create infrastructure and common facility required for carrying out silk weaving and processing activities.

Ministry of Textiles, Govt. of India had appointed the Karnataka State Textile Infrastructure Development Corporation Ltd., Bengaluru as Cluster Management & Technical Agency (CMTA) for the project. Ten acres of land identified for the purpose near Mysuru was handed over to the Department of Handlooms & Textiles, Govt. of Karnataka. The CMTA has invited Expression of Interest (EOI) from prospective entrepreneurs for setting up units in the Mega Cluster. CMTA is in the process of formation of Special Purpose Vehicle (SPV) to implement the project.

Receipts (Grant-in-Aid) & Expenditure of CSB for 2015-16 and Outlay [BE] Approved by Ministry of Textiles for 2016-17

In accordance with Section 9(1) of Central Silk Board Act, 1948, the Central Government released the Grant-in-Aid to the Central Silk Board during the year 2015 - 16 for enabling it to exercise the

powers and discharge its functions under the Act. The details of the Grant-in-Aid released by the Government of India, Ministry of Textiles, New Delhi & the Expenditure booked by CSB during the financial year 2015-16 and also the provisions approved by the Ministry in BE 2016 – 17 are as under:

(Unit : Rs. in Lakhs)

BUDGET HEADS	GIA released by MOT during 2015-16	Expenditure booked during 2015-16	Outlay [BE] approved by MOT for the year 2016-17
I. NON - PLAN			
1 Grants towards Administrative Expenses - Salary	30,208.00	30,208.00	33,500.00
TOTAL - NON - PLAN	30,208.00	30,208.00	33,500.00
II. PLAN			
1. R & D, Training, Transfer of Technology and IT Initiatives			
Grants –in- Aid – General	4,734.00	4,734.00	--
Grants towards Creation of Capital Assets	2,287.00	2,287.00	--
Sub Total	7,021.00	7,021.00	--
2-a. Seed Organization			
Grants –in- Aid – General	3,015.50	3,015.50	--
Grants towards Creation of Capital Assets	1,777.00	1,777.00	--
Sub Total	4,792.50	4,792.50	--
2-b. Seed Sector – SOSC			
Grants –in- Aid – General	200.00	200.00	--
Grants towards Creation of Capital Assets	500.00	500.00	--
Sub Total	700.00	700.00	--
3. Co-ordination & Market Development (HRD)			
Grants –in- Aid – General	675.00	675.00	--
Grants towards Creation of Capital Assets	194.00	194.00	--
Sub Total	869.00	869.00	--
4. Quality Certification System			
Grants –in- Aid – General	80.00	80.00	--
Grants towards Creation of Capital Assets	20.00	20.00	--
Sub Total	100.00	100.00	--
5. Catalytic Development Programmes			
ST Grants –in- Aid – General	600.00	600.00	--
Grants towards Creation of Capital Assets	1,400.00	1,400.00	--
Sub Total	2,000.00	2,000.00	--
TOTAL - PLAN	15,482.50	15,482.50	--

Loan for the Year 2015-16

No Loan amount was released by the Ministry of Textiles to Central Silk Board towards House Building Advance during 2015-16.

Internal Audit

Central Silk Board, Bengaluru having its Internal Audit wing with 5 Zonal Audit Teams is

conducting internal audit of all the units of CSB on regular basis every year. The Internal Audit teams have conducted the internal audit during the year 2015-16 and achieved the targets as on 31.03.2016 as per the approved programme. The details are as follows:

Sl. No.	Name of the Audit Team	Actual Units Covered		Total
		Delegated	Non - Delegated	
	C.O. I.A. Team	43	14	57
2	ZAT – A, CTR&TI, Ranchi	23	07	30
3	ZAT – B, CSR&TI, Berhampore	18	13	31
4	ZAT – C, CSR&TI, Mysuru	13	19	32
5	ZAT – D, RSRS, Jammu	16	18	34
6	ZAT – E, MSSO, Guwahati	04	18	22
	Total	117	89	206

In addition to the above Internal Audit Section has also given opinion in respect of 20 Cases referred on different service matters and other subjects during the year 2015-16.

- 8 AG audit reports pertaining to various units of Central Silk Board have been received and suitable replies were furnished to the respective Accountant Generals/PDC, MAB during the year 2015-16.

BUDGET HEADS	GIA released by MOT during 2015-16	Expenditure booked during 2015-16	Outlay [BE] approved by MOT for the year 2016-17
III. Projects/Schemes under NE region/Sikkim			
1. R & D, Training, Transfer of Technology and IT Initiatives			
Grants –in- Aid – General	537.00	537.00	-
Grants towards Creation of Capital Assets	1,272.00	1,272.00	-
Sub Total	1,809.00	1,809.00	-
2. Seed Organization			
Grants –in- Aid – General	156.50	156.50	-
Grants towards Creation of Capital Assets	329.00	329.00	-
Sub Total	485.50	485.50	-
3. Co-ordination & Market Development (HRD)			
Grants –in- Aid – General	20.00	20.00	-
Grants towards Creation of Capital Assets	13.00	13.00	-
Sub Total	33.00	33.00	-
TOTAL - N.E. - PLAN	2,327.50	2,327.50	-
II. PLAN : Grants towards Administrative Expenses			
01.02.31 Grants –in- Aid – General	--	--	5,000.00
01.02.35 Grants towards Creation of Capital Assets	--	--	3,595.00
Sub Total	-	-	8,595.00
III. PLAN : Grants towards Development of Silk Industry - SOSC			
57.03.31 Grants –in- Aid – General	--	--	2,450.00
57.03.35 Grants towards Creation of Capital Assets	--	--	2,500.00
Sub Total	-	-	4,950.00
IV. PLAN : Grants towards Development of Silk Industry– Tribal Area Sub Plan			
68.00.31 Grants –in- Aid – General	--	--	100.00
68.00.35 Grants towards Creation of Capital Assets	--	--	100.00
Sub Total	-	-	200.00
TOTAL - PLAN	-	-	13,745.00
V. Grants towards North-eastern Areas - Development of Silk Industry			
01.00.31 Grants –in- Aid – General	--	--	1,305.00
01.00.35 Grants towards Creation of Capital Assets	--	--	1,000.00
Sub Total	-	-	2,305.00
TOTAL - N.E. - PLAN	-	-	2,305.00
TOTAL - PLAN [PLAN + NE PLAN]	17,810.00	17,810.00	16,050.00
GRAND TOTAL - [NP+PLAN+NE-PLAN]	48,018.00	48,018.00	49,550.00

Raw Silk Production

India has the unique distinction of being the only country producing all the five known commercial silks, namely, mulberry, tropical tasar, oak tasar, eri and muga, of which, muga with its golden yellow glitter is unique and prerogative of India. The total

adversely affected the new plantation of mulberry. Further, drought in the sericulture belts affected the raw silk production during 2015-16. The production of Vanya silk during 2015-16 was 8,045 MT compared to 7,318 MT in 2014-15, which showed an increase in production by 9.9%.

Table 1: Raw Silk Production in India

Sl. No.	Particulars	2015-16	2014-15	% Increase
A	Area under Mulberry (ha)	208947	219819	-4.9
B	Mulberry Raw Silk (MT)			
	Bivoltine	4613	3870	19.2
	Crossbreed	15865	17520	-9.4
	Sub-Total (B)	20478	21390	-4.3
C	Vanya Silk (MT)			
	Tasar	2819	2434	15.8
	Eri spun silk	5060	4726	7.1
	Muga	166	158	5.1
	Sub-Total (C)	8045	7318	9.9
	Total (B+C)	28523	28708	-0.6

Source: Compiled from the reports received from the State Sericulture Departments

annual production of raw silk in India was 28,523 MT in 2015-16, of which, mulberry raw silk output aggregated to 20,478 MT (72%). The remaining 8,045 MT (28%) was Vanya silks (Table 1).

The raw silk production in the country has reduced from 28,708 MT in 2014-15 to 28,523 MT in 2015-16. Bivoltine raw silk production increased to a record level of 4,613 MT in 2015-16 from 3,870 in 2014-15 achieving a growth of 19.2% over previous year. However, the mulberry raw silk production in the country decreased by 4.3% from 21,390 in 2014-15 to 20,478 MT in 2015-16. The crash in cocoon prices during May 2015 to October 2015 resulted in uprooting of mulberry and also

State-wise and variety-wise raw silk production during 2015-16 compared to 2014-15 is given in the Annexure - III. Mulberry area, raw silk production and variety-wise vanya silk production for the last three years are depicted in Figs. 1a, 1b, 1c, and 2a, 2b & 2c.

Cocoon and Raw Silk Prices

Mulberry Cocoon Prices: The average prices of bivoltine hybrid reeling cocoons at Government Cocoon Market (GCM), Ramanagaram and crossbreed reeling cocoons at GCM, Ramanagaram and Siddlaghatta during 2014-15 and 2015-16 are given in Table 2 and Fig. 3a - 3c.

**Table 2: Average prices of bivoltine hybrid and crossbreed reeling cocoons
In different markets of Karnataka**

(Price : Rs./kg)

Month	Bivoltine		Crossbreed			
	Ramanagaram		Ramanagaram		Siddlaghatta	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
April	377	299	333	273	368	315
May	377	265	310	213	350	269
June	376	258	294	202	340	245
July	312	211	279	183	297	220
August	307	255	271	229	296	272
September	344	266	309	223	339	253
October	271	218	232	193	285	230
November	298	242	277	199	301	203
December	290	305	271	259	277	295
January	324	372	297	314	304	326
February	320	374	279	327	304	352
March	296	379	274	332	302	376
Average	324	287	286	246	314	280

Source: Department of Sericulture, Karnataka

Mulberry Raw Silk Prices: The average prices of Multi-end, Cottage Basin and Dupion silk transacted in silk exchanges of Karnataka during 2014-15 and 2015-16 are given in Table 3.

Table 3: Average prices of raw silk transacted in Silk Exchanges of Karnataka

(Price : Rs./kg)

Month	Multi-end		Cottage Basin		Dupion	
	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
April	3132	2520	2996	2369	1486	1484
May	3046	2358	2876	2274	1582	1460
June	2926	2155	2906	2175	1454	1214
July	2839	2201	2738	2086	1496	1140
August	2808	2266	2654	2041	1476	1179
September	2892	2161	2743	2070	1812	1331
October	2824	2257	2640	2103	1731	1246
November	2815	2293	2531	2054	1583	1119
December	2760	2370	2459	2082	1450	1176
January	2661	2469	2373	2257	1390	1329
February	2549	2711	2288	2274	1422	1277
March	2424	2775	2371	2362	1358	1277
Average	2795	2379	2539	2176	1518	1264

Source: Department of Sericulture, Karnataka

The prices of Multi-end, Cottage Basin and Dupion silk transacted in silk exchanges of Karnataka are also shown in Figs. 4a, 4b and 4c respectively.

Vanya Cocoon and Silk Prices: Prices of cocoon and silk of tasar, eri and muga in important markets of Vanya silk producing states for the year 2014-15 and 2015-16 are given in Table 4.

Variety	2014-15	2015-16
A) Tasar Prices *		
1. Reeling Cocoon (1000 No.) (Grade- I)		
a) Raily	4500-6000	4500-6300
b) Daba	2675-4500	3000-4500
2. Reeled Yarn	3500-5000	4500-4800
3. Ghicha Yarn	1200-3000	1800-2200
B) Eri Prices**		
1. Cut Cocoons (Superior Quality)	400-650	600-800
2. Spun Yarn	1500-2800	1600-3300
C) Muga Prices **		
1. Reeling Cocoon (1000 No.)	1800-3000	1500-2150
2. Raw Silk		
a) Warp Yarn	14000-17500	12500-15500
b) Weft Yarn	12000-13000	11000-14000

Note: * Tasar prices pertain to Chaibasa (Jharkhand), Champa & Raigarh (Chhattisgarh) and Bhagalpur (Bihar) markets, ** Eri and muga prices pertain to Guwahati (Assam) market. Source: Raw Material Bank, CSB, Chaibasa and Regional Office, CSB, Guwahati.

Prices of Imported (Chinese) Mulberry Raw Silk

Landed prices of imported Chinese mulberry raw silk of 3A and above grades along with its sale price at Varanasi market during 2014-15 and 2015-16 are given in Table 5.

Month	Landed Prices (Gr.3A and above)*				Varanasi Market Prices **			
	2014-15		2015-16		2014-15		2015-16	
	Min	Max	Min	Max	Min	Max	Min	Max
April	55.00	56.00	48.00	53.00	60.47	62.96	53.71	54.18
May	55.00	56.00	48.00	53.00	51.00	61.54	52.04	53.61
June	54.00	55.00	48.00	52.00	56.92	59.43	51.68	52.46
July	54.00	55.00	48.00	52.00	49.95	64.77	51.08	55.01
August	51.00	55.00	48.00	52.00	56.91	57.48	49.33	50.56
September	50.00	54.00	46.00	50.00	56.52	73.12	47.27	49.08
October	50.00	53.00	44.00	48.00	54.61	62.76	46.34	47.65
November	50.00	53.00	42.00	46.00	54.29	55.27	46.88	48.40
December	50.00	53.00	42.00	46.00	53.39	56.18	47.30	48.80
January	50.00	53.00	42.00	46.00	54.64	59.78	45.80	47.73
February	50.00	53.00	42.00	46.00	54.48	54.80	46.16	46.60
March	50.00	53.00	42.00	46.00	54.04	55.64	46.63	47.00

Note: **Sale prices prevailed in Varanasi market include customs and other duties.
Source: *Regional Office, CSB, Mumbai collected through M/s. Shah Trading Co., Mumbai
**Certification Centre, CSB, Varanasi

Export of silk goods

Fabrics, made-ups and readymade garments are the major items of India's silk exports, which account for about 94.5% of the total silk goods exports of the country. The export earnings from

silk goods during 2015-16 was Rs.2495.99 crore (US\$ 389.53 million) compared to Rs.2829.94 crore (US\$ 471 million) in 2014-15, indicating a decrease of 11.8% in Rupee terms and 17.3% in US\$ terms (Table- 6 and Fig. 5).

Table 6: Export earnings from silk and silk goods during 2015-16 and 2014-15

Items	2015-16		2014-15		% Increase/decrease	
	Creore Rs.	Mn.US\$	Creore Rs.	Mn.US\$	Rs.	US \$
Raw Silk	1.43	0.22	0.69	0.11	107.25	94.95
Silk Yarn	28.89	4.44	24.71	4.04	16.92	9.98
Fabrics, Made-up	1280.60	196.67	1465.44	240.21	-12.61	-18.13
Readymade Garments	1078.39	171.89	1214.01	206.18	-11.17	-16.63
Silk Carpet	16.88	2.58	15.97	2.61	5.70	1.15
Silk Waste	89.90	13.73	109.12	17.85	-17.71	-23.08
Total	2495.99	389.53	2829.94	471.00	-11.80	17.30

Source: Compiled from the statistics received from DGCIS, Kolkata

The U.A.E., the USA, the U.K. and Nigeria are the major importers of Indian Silk goods During 2015-16, the export earnings from the top ten importing countries put together accounted for 69.29% total exports. Country-wise export earnings from silk goods during 2014-15 and 2015-16 are given in Table 7.

Table 7 : Country-wise export earnings from silk and silk goods during 2014-15 and 2015-16

Sl. No	Country+	2015-16		2014-15		% Increase/decrease	
		Creore Rs.	Mn.US\$	Creore Rs.	Mn.US\$	Rs.	US \$
1	U.A.E.	606.76	94.69	687.14	114.37	-11.70	-17.21
2	U.S.A.	340.37	53.12	362.03	60.26	-5.98	-11.85
3	U.K.	155.84	24.32	190.37	31.69	-18.14	-23.25
4	Nigeria	122.31	19.09	21.94	3.65	457.47	422.68
5	Tanzania	96.91	15.12	44.19	7.36	119.30	105.61
6	France	90.43	14.11	91.36	15.21	-1.02	-7.20
7	China	89.48	13.96	102.11	17.00	-12.37	-17.84
8	Italy	79.58	12.42	97.38	16.21	-18.28	-23.38
9	Sudan	74.82	11.68	94.75	15.77	-21.03	-25.96
10	Germany	73.03	11.40	95.40	15.88	-23.45	-28.23
	Others	766.46	119.63	1043.27	173.62	-26.53	-31.10
	Total	2495.99	389.53	2829.94	471.00	-11.80	-17.30

Note: + Refers to top 10 countries, Source: Compiled from the statistics received from DGCIS, Kolkata

Imports of silk goods

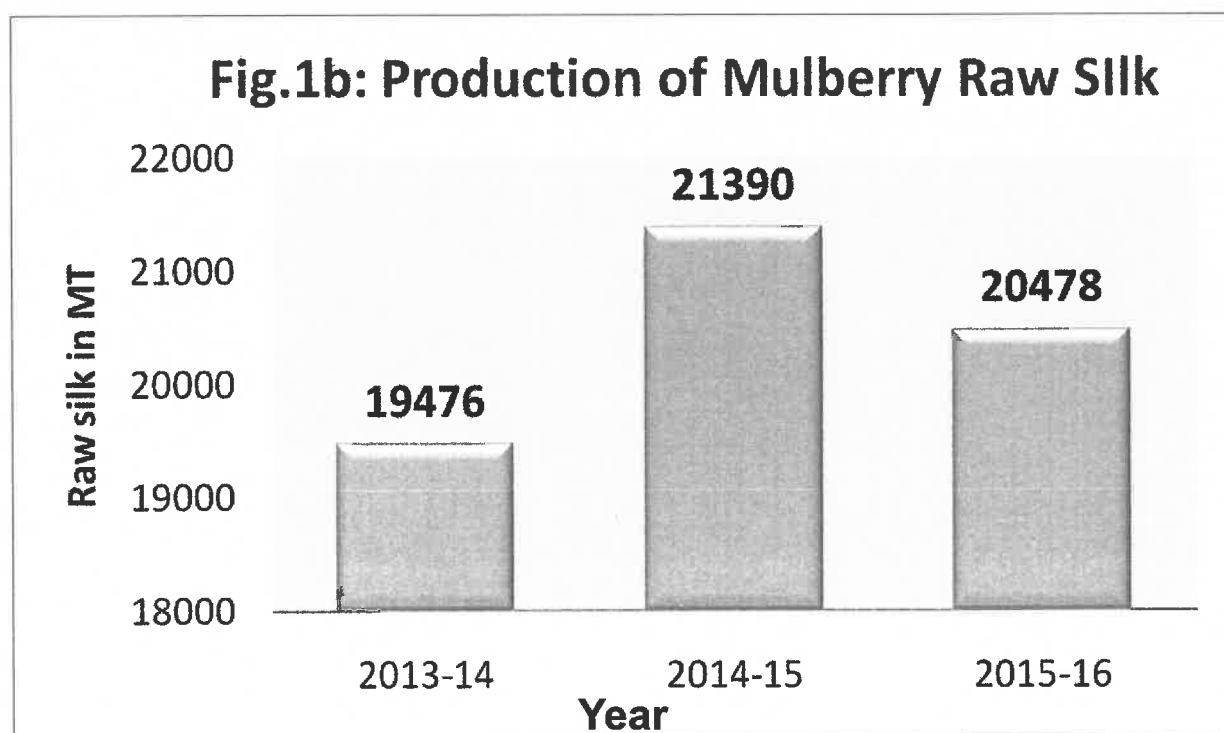
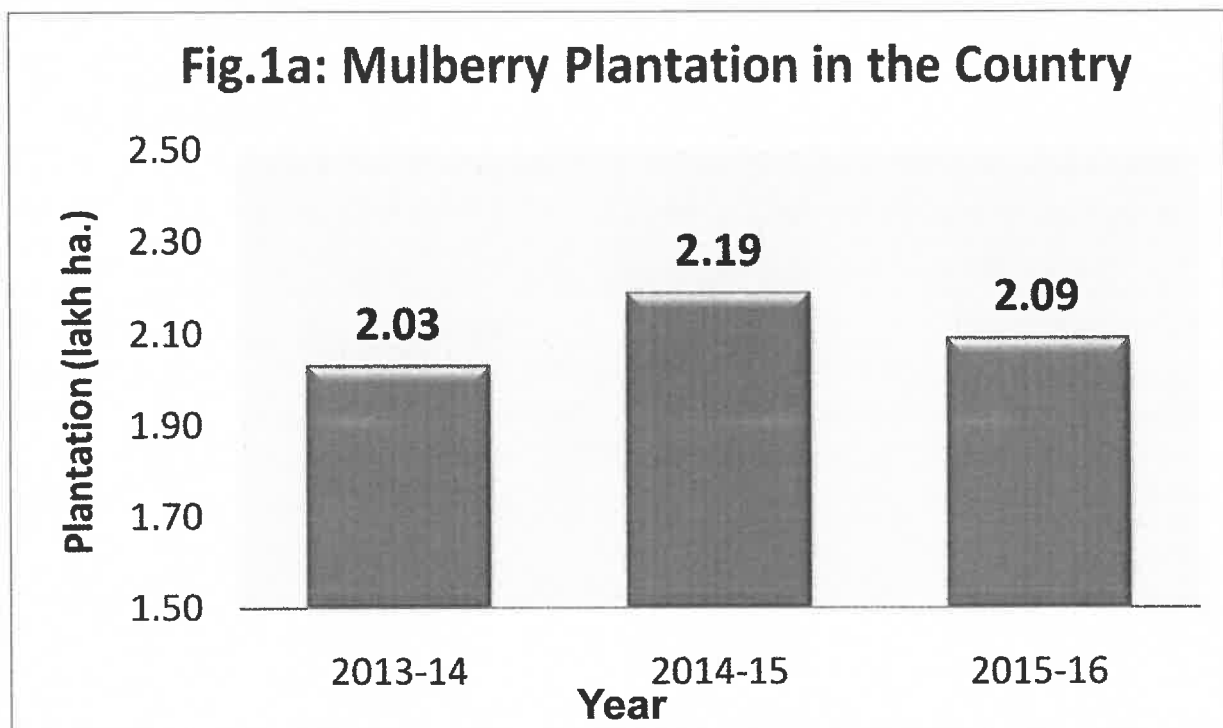
The import value of raw silk and silk goods during 2015-16 and 2014-15 are given in Table-8. Raw silk, silk yarns, fabrics and made-ups are the major items of imports, which account for about 96.3% of the total imports. During 2015-16, the

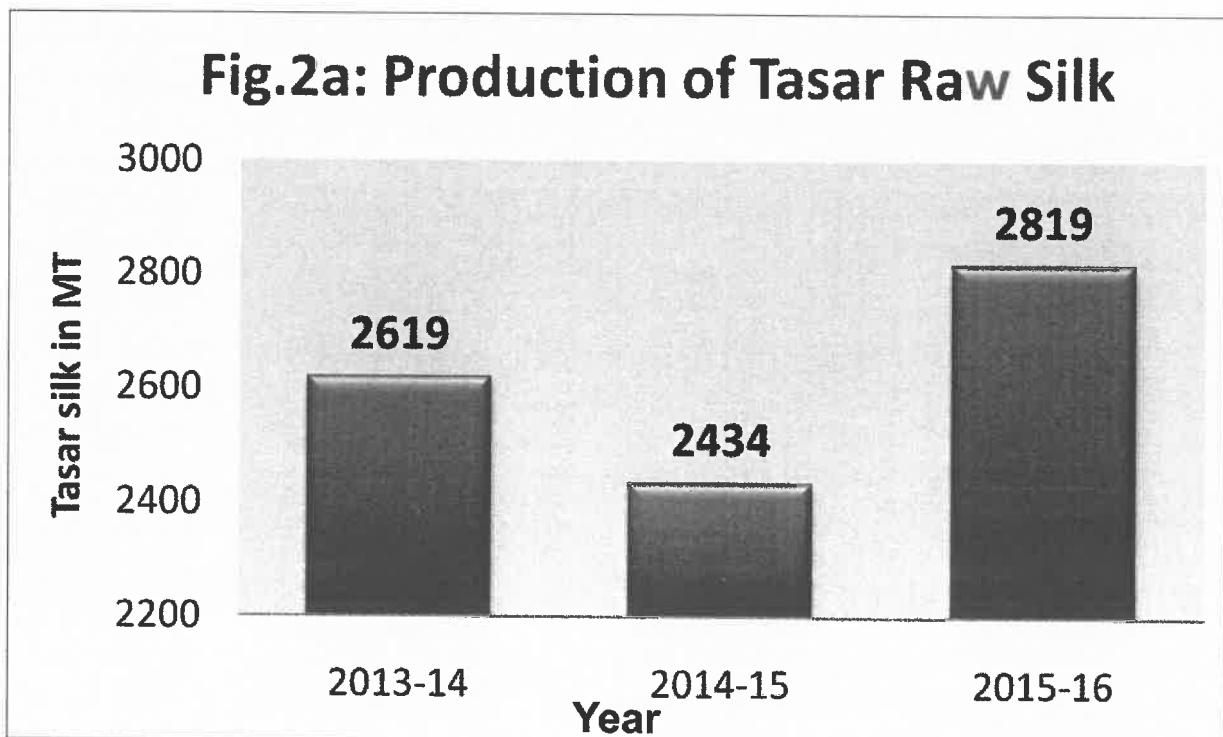
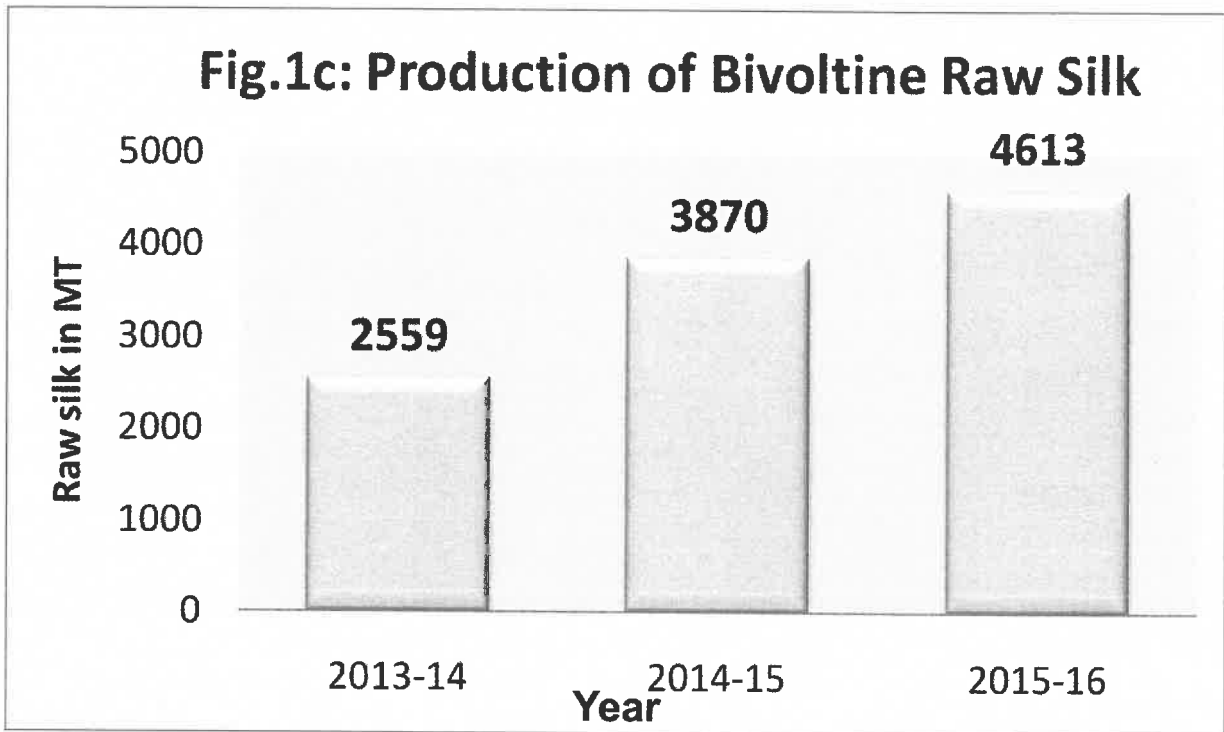
value of silk goods import was Rs. 1389.10 crore (million 211.99 US\$) compared to Rs.1358.15 crore (million 222.32 US\$) in 2014-15, indicating an increase of 2.28% in Rupee terms and a decrease of 4.65% in US Dollar terms (Table 8). The total quantity of raw silk imported is shown in

Table 8: Value of Import of Silk and Silk goods during 2015-16 and 2014-15

Items	2015-16		2014-15		% Increase/decrease	
	Creore Rs.	Mn.US\$	Creore Rs.	Mn.US\$	Rs.	US \$
Raw Silk	1006.16 (3529 MT)	153.70	970.82 (3489 MT)	158.92	3.64	-3.28
Silk Yarn	81.66	12.46	103.78	16.98	-21.31	-26.62
Fabrics, Made up	249.46	38.01	239.01	39.19	4.37	-3.01
Readymade Garments	15.00	2.28	18.20	2.92	-17.58	-21.92
Silk Carpet	0.05	0.01	0.43	0.07	-88.37	-86.03
Silk Waste	36.77	5.53	25.91	4.24	41.91	30.42
Total	1389.10	211.99	1358.15	222.32	2.28	-4.65

Note: Figures in parenthesis indicate quantity of raw silk imported
Source: Compiled from the statistics received from DGCIS, Kolkata





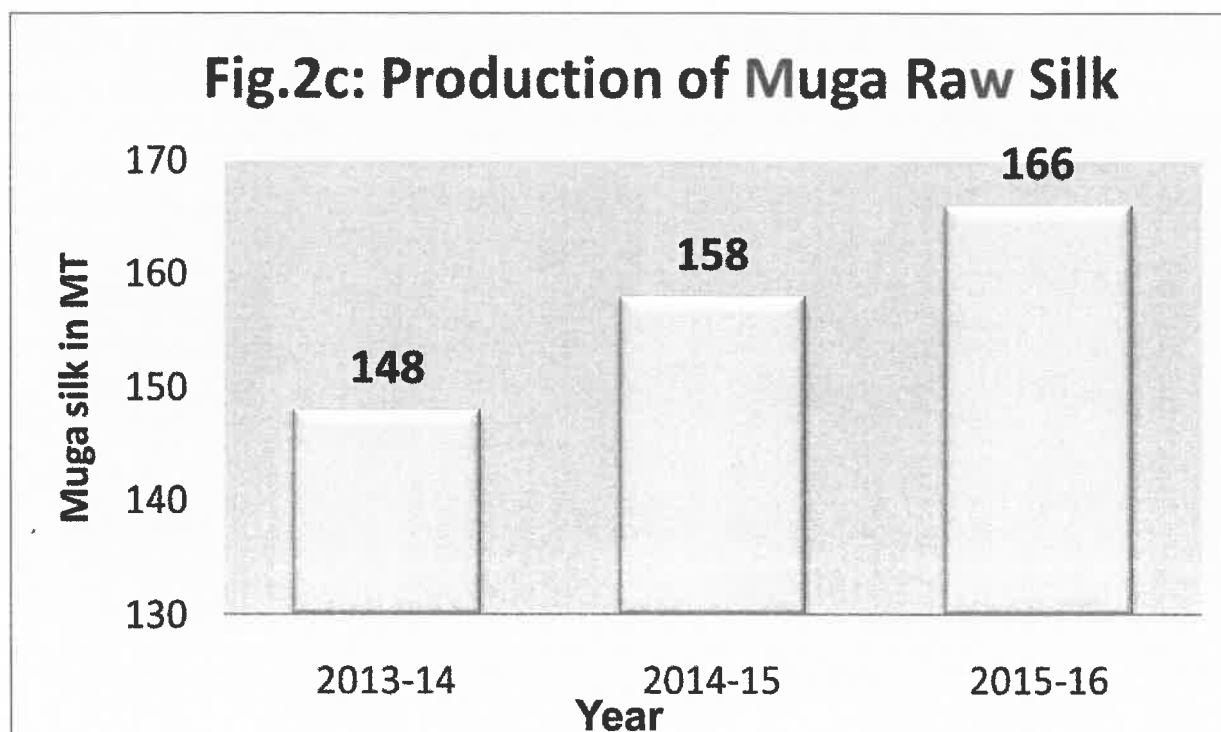
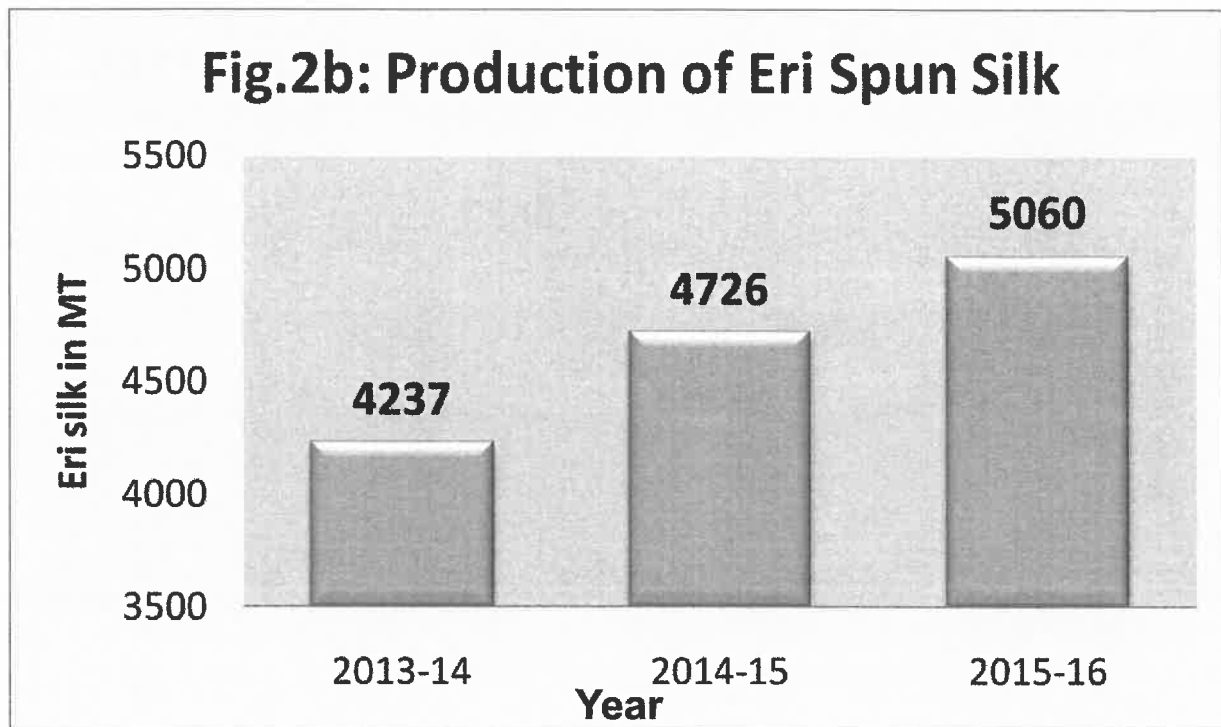


Fig. 3a: Average Prices of Bivoltine (CSR) Cocoons at Ramangara Market

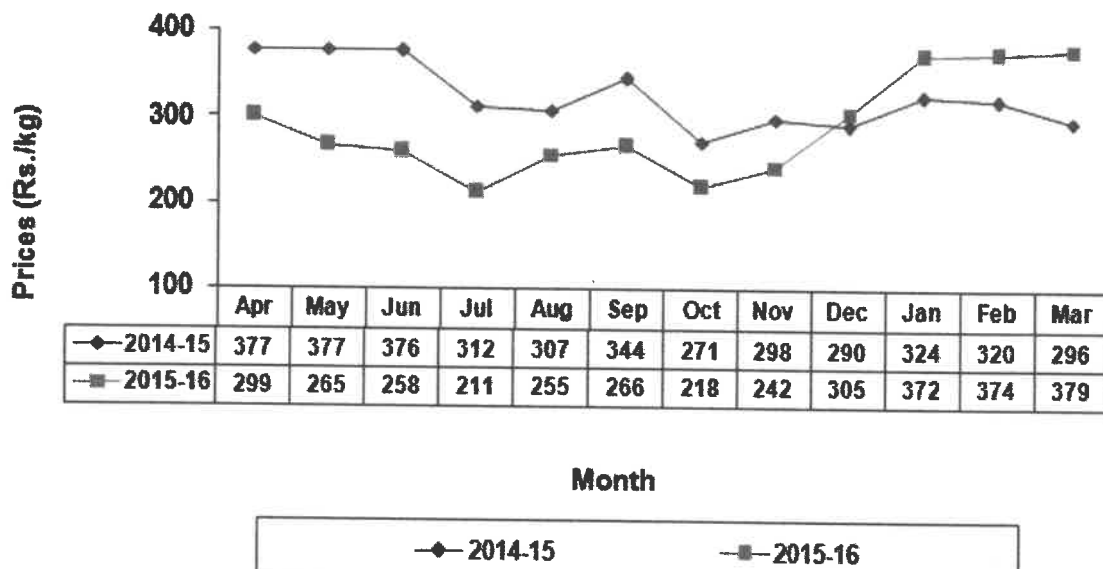


Fig. 3b: Average Prices of Cross Breed Cocoons at Ramangara Market

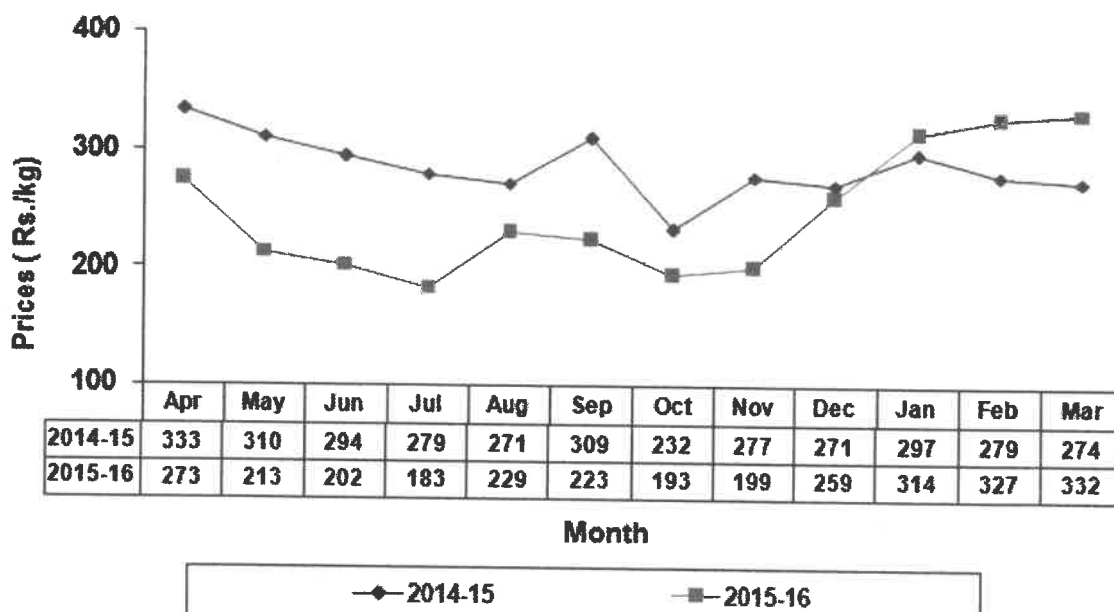


Fig. 3c: Average Prices of Cross Breed Cocoons at Siddlaghatta Market

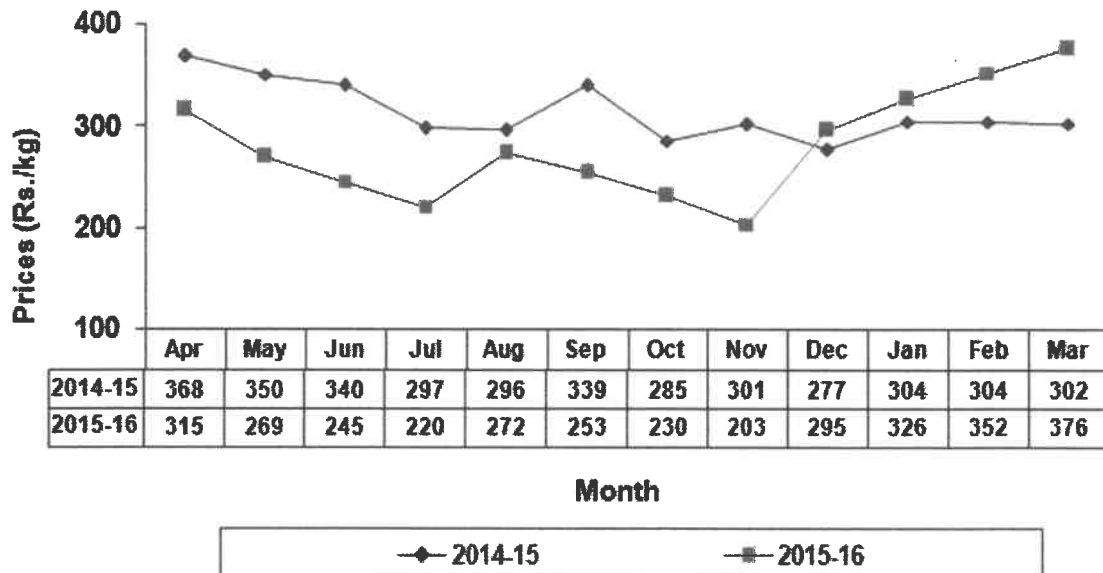


Fig. 4a: Average Prices of Multiend Silk in Karnataka Silk Exchanges

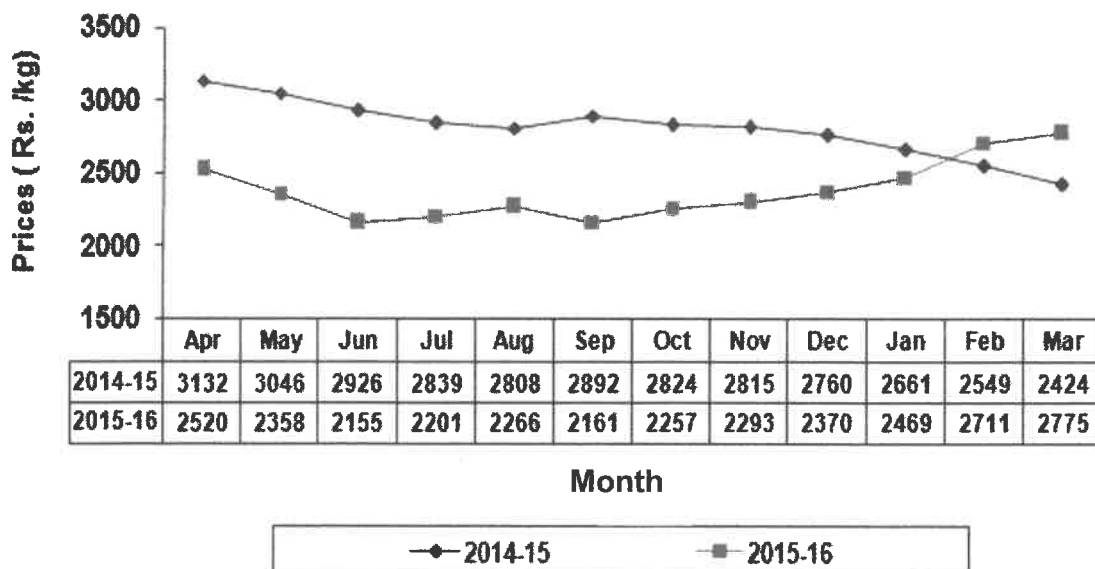


Fig. 4b: Average Price of Cottage Basin Silk in Karnataka Silk Exchanges

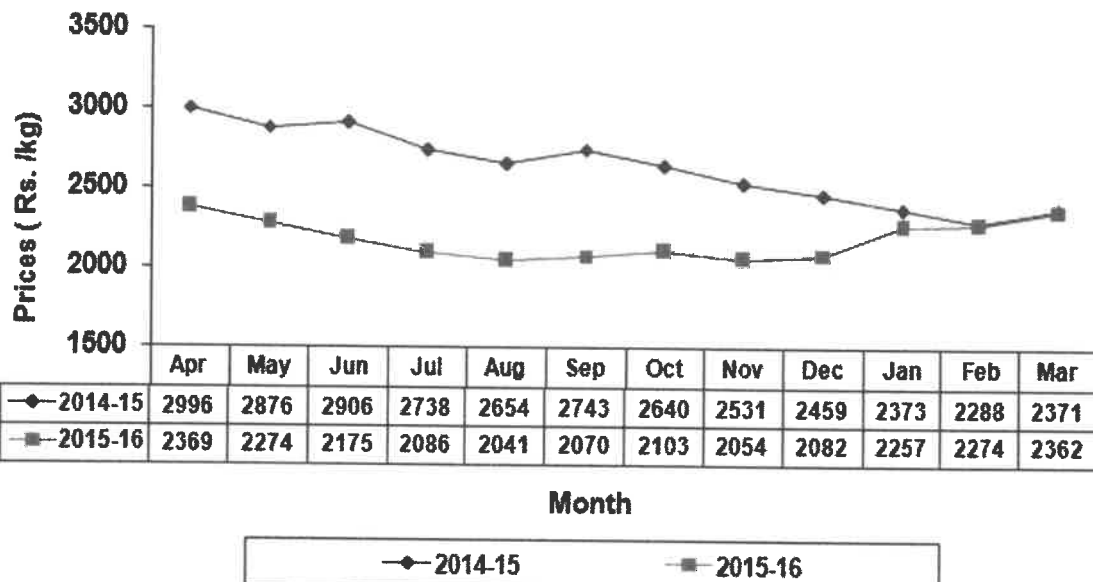
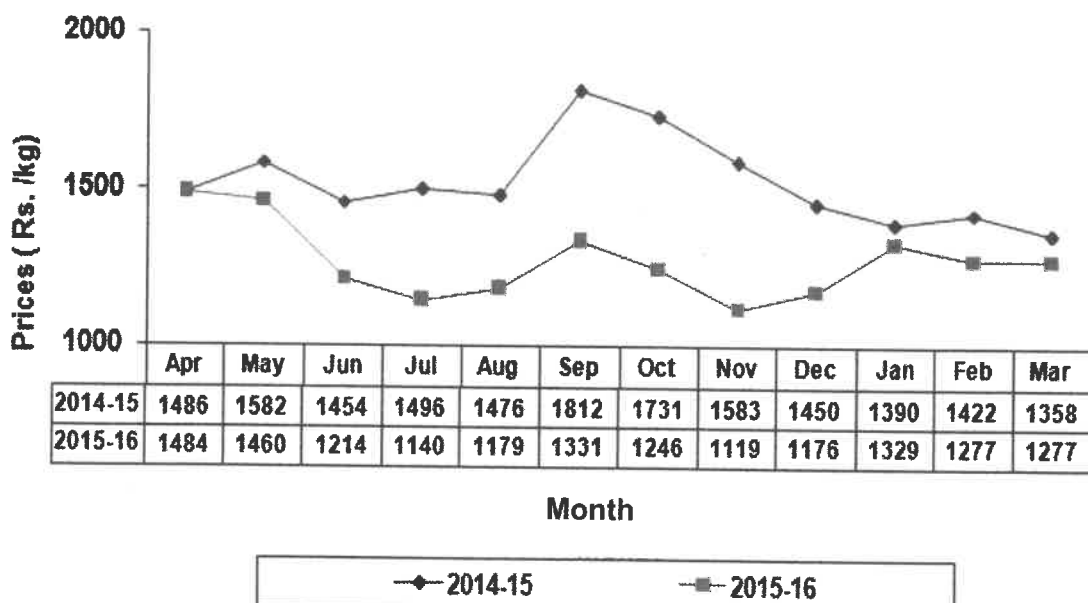
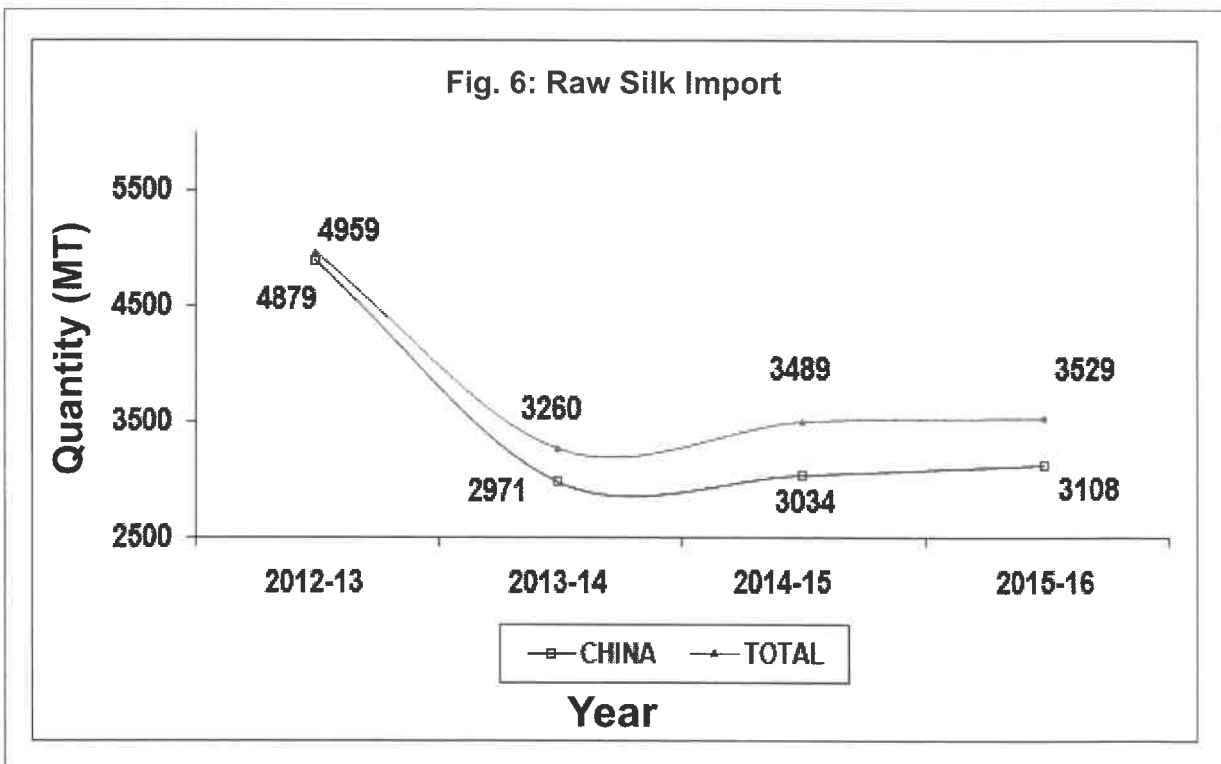
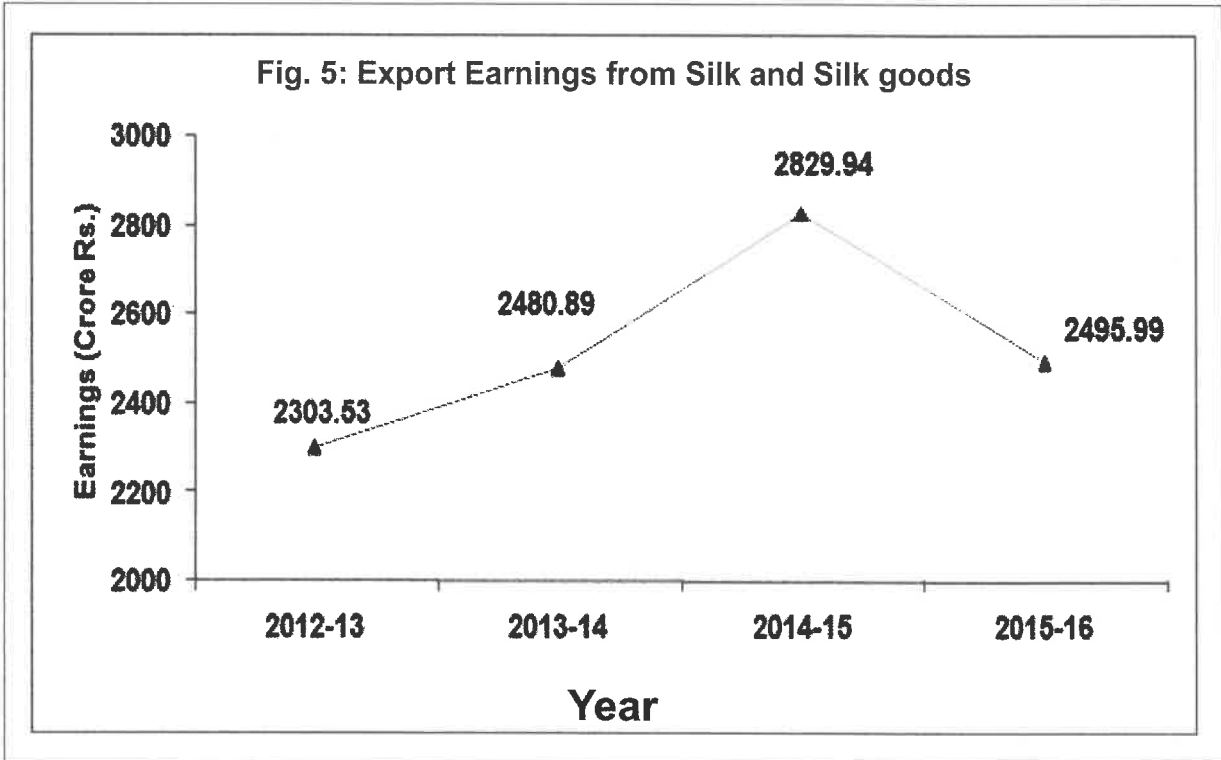


Fig. 4c: Average Price of Dupion Silk in Karnataka Silk Exchanges





ORGANISATION CHART OF CENTRAL SILK BOARD

CHAIRMAN

SMT. SUNAINA TOMAR
VICE CHAIRPERSON

DR. H. NAGESH PRABHU
MEMBER SECRETARY

31 MARCH 2016

Dr. P. JAYAPRAKASH Director (Tech) (Addl. Charge) Board's Secretariat Bangalore (Karnataka)	Dr. KANIKA TRIVEDY Director CSRTI Berhampore (West Bengal)	Dr. P. JAYAPRAKASH Director NSSO Bangalore (Karnataka)	Dr. V. SIVAPRASAD Director CSRTI Mysore (Karnataka)	Dr. Alok Sahay Director CTRI Ranchi (Jharkhand)	Dr. V. SUBHAS NAIK Director CSTRI Bangalore (Karnataka)	Dr. S. P. SHARMA Director CSRTI Pampore (Jammu & Kashmir)	Shri B. CHOUDHARY Scientist - D CMERTI Lahdoigarh (Assam)
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RO/CC	13
MESDP KISHANGAN	1
CRC	1
CDC	2
RMB	1
RMB	1
SUB DEPOT	1
MRMB	1
SUB DEPOT	1
SMC	1

RSRS	4
REC	13
SUB UNIT	4
BSF	1

ZSSO	2
BSF	19
SSPC	22
SSC	33
SCPC	3
SSTL	1
CSP	3
SSU	30

RSRS	4
SSBS	1
REC	18
SUB UNIT	29
BSF	1
CDC	3
CPC	1

RTRS	8
REC	14
P4 STATION	3

SCTH	6
DCTSC-s	9
ZONAL OFFICE	1
BSTRS	1
CTCs	3
RSTCs	2
TDC	1

RSRS	3
REC	12
SUB UNIT	9
BSF	1
STS	1
CDC	1

RMRS	1
RERS	2
M-REC	3
SUB UNIT	1
ERI REC	2
FIELD LAB	1

Shri R. SATISH KUMAR
Director (Finance)
Board's Secretariat
Bangalore (Karnataka)

Dr. A. K. Awasthi
Scientist-D (in Charge)
SBRL, Bangalore
(Karnataka)

Dr. P. K. Mishra
Director
CSGRC, Hosur
(Tamilnadu)

BSF	Basic Seed Farm
BSMTC	Basic Seed Multiplication & Training Centre
BTSSO	Basic Tasar Silk Worm Seed Organisation
CSGRC	Central Sericultural Germplasm Resource Centre
CMERTI	Central Muga Eri Research & Training Institute
CC	Certification Centre
CDC	Cluster Development Centre
CPC	Cluster Promotion Centre
CSP	Cold Storage Plant
CSRTI	Central Sericultural Research & Training Institute
CSTRI	Central Silk Technological Research Institute
CTC	Cocoon Testing Centre
CTRTI	Central Tasar Research & Training Institute
DCTSC	Demonstration-cum-Technical Service Centre
SSC	Sericulture Service Centre
MRMB	Muga Raw Material Bank
MSSO	Muga Silk Worm Seed Organisation

REC	Research Extension Centre
RERS	Regional Eri Research Station
RMB	Raw Material Bank
RMRS	Regional Muga Research Station
RO	Regional Office
RSRS	Regional Sericultural Research Station
RSTC	Raw Silk Testing Centre
RTRS	Regional Tasar Research Station
SBRL	Seribiotech Research Laboratory
SCPC	Seed Cocoon Procurement Centre
SCTH	Silk Conditioning & Testing House
SSBS	Silk Worm Seed Breeding Station
SSPC	Silk Worm Seed Production Centre
SSTL	Silk Worm Seed Technological Laboratory
SSU	Sericulture Service Unit
SMOI	Silk Mark Organisation
TTL	Textile Testing Laboratory
ZSSO	Zonal Silk Worm Seed Organisation

Dr. B. K. SINGH
Scientist - D
MSSO Guwahati
(Assam)

BSF	8
MUGASSPC	1
ESSPC	5

Dr. R. K MISHRA
Director
BTSSO, Bilaspur
(Chhattisgarh)

CTSSS	1
BSMTC	21
FIELD UNIT	1

INSTITUTE-WISE UNITS OF CENTRAL SILK BOARD, BANGALORE AS ON 31.03.2016

CSR & TI MYSORE (58)	CSR&TI PAMPORE (26)	CTR & TI RANCHI (26)	NSSO, BANGALORE(85)				CSTRI BANGALORE (25)	MSSO, GUWAHATI (15)	ABSTRACT
			KARNATAKA	TAMIL NADU	WEST BENGAL	UTTARANCHAL			
RSRS Bangalore RSRS Chamaraajanagar RSRS Salem RSRS Ananthpur SSBS,Coonoor	RSRS Jammu RSRS Sahasapur (UTR) RSRS, Ghumarwin REC Naduan (HP) REC Sujampur (PUNJ) REC Barnoti (J & K) REC Gonda (U.P.) REC, Fatehnagar REC, Nowshera (J&K) REC, Gorakhpur(UP) REC, Chutmalpur(UP) REC, Bageswar (UTR) REC, Una (HP) REC, Udhamasinghnagar REC, Ghumarwin S-unit Tikri(J&K) S-unit Trai (J&K) S-unit Bandipora(J&K) S-Unit, Panonkula(Har) REC, Amaravathi S-unit, Bhadrasi(UP) S-unit, Kotdwar S-unit, Hatidwara REC, Kalyandurgam CDC, Agail S-Unit, Aurangabad S-Unit, Kanakapura S-unit Bidar S-unit Koppal S-unit Kinkarahally S-unit, Penukonda S-unit Shimoga S-unit, Maddur S-unit, Srivilliputhur S-unit, Vaniyamadi S-unit, Kalpetta(Wayand) S-unit, Osamanabad S-unit, Jaina S-unit, Burhanpur S-unit, Giddalur S-unit, Suryapet S-unit, Chabrolu S-unit, Atmakur S-unit, Metpally S-Unit, Tumkur S-unit, Ranebennur S-unit, Berigai S-unit, Shahapur S-unit, Shirahatti S-unit, Bijapur S-unit, Jamkhandi S-unit, Avinashi S-unit, Trichy CPC, Hindupur CDC, Palammer CDC, Hosakote P4 Hassana S-Unit, Kudla	RTRS Jagadapur (CHHA) RTRS Dumka (JHA) RTRS Baripada (ORISSA) RTRS Warrangal (A,P) RTRS Bhandara (MAH) RTRS Bhimtal (UTR) RTRS Batole (J&K) RTRS Imphai (MANIPUR) REC, Nasik (MAH) REC Palampur (H.P) REC Hatgamaria (JHA) REC Kaighora (CHHA) REC Bangriposi (ORISSA) REC Robertsganj (U P) REC, Bhadrachalam (AP) REC, Kaplita (W.B) REC, Gopeshwar (UTR) REC Umraungsu (ASSAM) REC Kikuma (NAGALAND) REC Yaikongpao(MANIPUR) REC Purulia (W.B) REC, Jhansi (UP) CPC, Palahara (Orissa) P4 Station, Katghora(CHHA) P4 Station, Chakradharpur(JHA) P4 Station, Saraiyhat (JHA) RTRSs = 8 P4 Station= 3 RECS = 14 Total = 25 BTSSO, BILASPUR(CHHA) (24) CTSSS, Kargi Kota(CHHA) BSMTC Chinnoor (A.P) BSMTC Narasapur (A.P) BSMTC Rampachodavaram(AP) BSMTC Kharswan (JHA) BSMTC Kathikund (JHA) BSMTC Madhupur (JHA) BSMTC Deoghar (JHA) BSMTC Ambikapur (CHHA) BSMTC Pali (CHHA) BSMTC Mongoldai(Assam) REC, Dhenkikote REC Rangooo (SIKKIM) REC Kamnagar (W.B) REC Mahespurraj(JHA) REC Gumla (JHA) REC Bademarengara(CHA) REC Bagamara (W.B) S-Unit Rajmahal (JHA) S-Unit Bhandra (JHA) S-Unit, Rampurnat S-Unit, Deoghar (ORI) P4, Kalimpong (WB) RSRS, Jorhat(Assam) REC, Agarata(Tripura) REC, Shillong(Meghalaya) REC, Dimapur(Nagaland) REC, Aizawl(Mizoram) REC, Imphal (Manipur)	SCPC Kunigal SCPC, K.R. Pet P3 Mysore P3 Nagamangala P2 Dharmapura (BV) P2 Gavimata (BV) P2 Nagenahalli(MV) SSPC Bangalore SSPC Mysore SSPC Ramanagaram SSPC Vijayapura SSPC Chintamani SSPC K.R. Nagar SSPC Malavalli Grainage/P1, Chikka malavadi SSC K.R. Pet SSC C.R. Patna SSC Ch. nagar SSC K.P. Doddi SSC C.B. Pur SSC Gowribidanur SSC Srinivasapura SSC K.M. Doddi SSC Belgum SSC Mudalgi SSC Haveri SSC Attibele SSTL Kodathi BSF, Yedyur CSP, Mysore RO's (10) RO, New Delhi RO, Jammu RO, Mumbai RO, Kolkata RO, Patna MESDP, Kishanganj CDC, Saharsa	SCPC Denkanikottai P2 Krishnagiri (MV) P2 Y. Hills (BV) SSPC Dharmapuri SSPC, Hosur SSPC Tirupattur SSC Bagalur SSC Natrampalli SSC Coimbatore SSU, Gopichettapalayam CSP, Hosur ANDHRA PRADESH P2 Horsely Hills P2 Madakasira (BV) P2 Parigi (MV) SSPC Hindupur SSPC Madanapalle SSPC Chittoor SSC Penukonda SSC Kuppam SSC Vijayawada SSC Palamaner SSC Molakalacheruvu SSC Madakasira SSPC Palakkad SSC, Udumalpet P2 Palakkad RO, Hyderabad RO, Chennai SMOI, Coimbatore RO, Bhubaneswar RO, Guwahati RO, Lucknow	P3 A.falkatta(MV) P2 Karnasubarna(BV) P2 Banguria (MV) P2 Dhubulia (MV) SSPC Dehradun CSP, Dehradun JAMMU & KASHMIR SSPC Udhampur SSC Hemtabad SSC Bhadraour SSC Gadadharpur SSC Alinagar SSC Amrity SSC Sujapur SSC Mothabari SSC Panchagram SSC Kaliachak SSC Kaliatala SSC, Kaliaganj BIHAR P2 Purnea ORISSA CSD, Ramgiri KERALA CERTIFICATION CENTRES (3) CC, Varanasi CC, Bangalore CC, Srinagar	Text. Testing Lab, Varanasi SC&TH Bangalore SC&TH Dharmavaram SC&TH Kancheepuram SC&TH/ECO Lab Jammu SC&TH Srinagar Zonal Office, Bilaspur CTC, Coimbatore CTC, Ramnagararam CTC, Dharmapuri RSTRS, Guwahati RSTC, Sidiaghatta RSTC, Kollegal DCTSC, Rayapura(Kar) DCTSC, Hindupur(AP) DCTSC, Dharmapuri(TN) DCTSC, Bhandera(Mah) DCTSC, Cuttack(Or) DCTSC, Dehradun(U'khand) DCTSC, Jammu(J&K) DCTSC, Bhagalpur(Bihar) DCTSC, Suri(WB) TDC, Arni (TN) RSTRS, Guwahati = 1 TDC, Arni (TN) = 1 TTL = 1 SC&THs = 6 DCTSCs = 9 Zonal Office, Bilaspur = 1 RSTCs = 2 CTCs = 2 Total = 24 CO, Bangalore SMOI, Palakkad REC-Sub-Unit, Lucknow RMB, Chalbasa (Jha) RMB SD, Bhagalpur(Bihar) RMB SD, Rajgarh (Chha) RMB SD, Warangal RMB SD, Bhandara MRMB, Sivasagar MRMB SD, Suikuchi CSGRC, Hosur SBR, BANGALORE	P4 Nongpah (MEGH) P4 Tura (MEGH) P3 Rompara (MEGH) P3 Adokgiri (MEGH) P3 Hahim (ASSAM) P3 Mendipathar (MEGH) P3, Naryanapur MUGA-SSPC Kaliabari MUGA-REC, Balijan Eri SSPC, Azara ERISSPC, Peddapuram ERISSPC, Fatehpur ERISSPC, Hosur Eri SSPC, Sujampur Farms = 7 M-SSPC = 1 E-SSPC = 5 M-REC = 1 Total = 14 CMER&TI LADOIGARH (12) RERS, Mendipathar(MEG) RERS, Shadnagar REC Lakhimpur (ASSAM) REC, Navasari ERI REC Diphu (ASSAM) ERI REC, Fatehpur (UP) Field Lab, Titabar RMRS Boko (ASSAM) REC Coochbehar (W.B.) REC Tura (MEGH) S-unit, Kokrajhar RMRS = 1 RERS = 2 M-REC = 2 RECS = 2 E-REC = 2 S-unit = 1 Field lab= 1 Total = 11	CSB - HQ CSR&TI CTR&TI CSTRI NSSO MSSO CMERTI RERS CSGRC SERI-BIO-TECH LAB. SSTL Ros/CCs SMOI MESDP, Kishanganj TTL, Varanasi RSTRS, Guwahati RSRS (Mulb) SSBS, Coonoor RMRS (Muga) RTRS (Tasar) REC (Mulb) REC (Tasar) REC (Muga) REC (Eri) S-unit (Mulb) S-unit, (Muga) RMB (Tasar) RMB-SD (Tasar) MRMB (Muga) MRMB-SD SC&TH Zonal Off. Bilaspur DCTSCs CTCs/TDC RSTCs BTSSO, Bilaspur CTSSS Kargi Kota BSM&TC (Tasar) Field Unit, Pallahara ZSSO (Mulb) SCPC (Mulb) BSFs (Mulb) BSFs (MSDP) SSPC (Mulb) SSPC (Muga) SSCs (Mulb) STS/SSUCSP ERISSPC CDCs/CRC/CPC P4 Stations Field Lab Titabar Total 324	
RSRS = 4 SSBS, Coonoor = 1 RECS = 18 CDC = 3 S-Unit = 29 Farm = 1 CPC = 1 Total = 57	RSRSs = 3 RECs = 12 CDC = 1 S-Unit = 9 STS = 1 Farm = 1 Total = 27 BERHAMPORE (23)	BSM&TCs = 21 Field Uni = 1 CTSSS = 1 Total = 23	BTSSO - Basic Tasar Silkworm Seed Organization CC - Certification Centre CSR & TI - Central Sericultural Research & Trg. Institute CSTRI - Central Silk Technological Research Institute CTR & TI - Central Tasar Research & Training Institute CSGRC - Central Sericultural Germplasm Res. Centre CTSSS - Central Tasar Silkworm Seed Station DCTSC - Demonstration cum Technical Service Centre TTL - Textile Testing Laboratory	SSC - Sericulture Service Centre MRMB - Muga Raw Material Bank NSSO - National Silkworm Seed Organisation P4, P3, P2 - Basic Seed Farms REC - Research Extension Centre RMB - Raw Material Bank RMB-SD - Raw Material Bank (Sub Depot) ZSSO - Zonal Silkworm Seed Organisation	RMRS - Regional Muga Research Station RO - Regional office RERS - Regional Eri Research Station RSTRS - Regional Tasar Research Station SC&TH - Silk Conditioning & Testing House SCPC - Seed Cocoon Procurement Centre S-UNIT - Sub unit attached to Research Extension Centre SSPC - Silkworm Seed Production Centre CTC - Coccon Testing Centre				

COMPOSITION OF BOARD MEMBERS AS ON 31.03.2016

Sl. No.	Name & Address of the Member	Sl. No.	Name & Address of the Member
I	UNDER SECTION 4(3)(a)	8	Smt. P.K. Sreemathi Teacher, Member of Parliament (Lok Sabha), Kannur Azhikkodan Samaraka Mandiram, Kannur – 670 302, Kerala. Edathil House, Athiyadam, Payangadi (PO) Kannur – 670 303, Kerala. (18.07.2014 to 17.07.2017)
1	Chairman, Central Silk Board, Bengaluru - Vacant	9	Shri Basawaraja Patil, Member of Parliament (Rajya Sabha), No.C-703, Swarn Jayanti Sadan, Dr. B.D. Marg, New Delhi – 110 011. No.3/1/28, Vidyanagara Colony, Sedam, Gulbarga District - 585 222 Karnataka (08.05.2015 to 02.04.2018)
II	UNDER SECTION 4(3)(b)	10	Shri Neeraj Shekhar, Member of Parliament (Rajya Sabha), No.3, Gurudwara Rakabganj Road, New Delhi Village & Post – Ibrahim Patti District Balia, Uttar Pradesh - 221 716. (08.05.2015 to 07.05.2018)
2	Smt. Sunaina Tomar, IAS, Joint Secretary (Silk) & Vice-Chairperson, CSB, Ministry of Textiles, Govt. of India, "Udyog Bhavan", New Delhi – 110 011. (26.02.2016 to 25.02.2019)	IV	UNDER SECTION 4(3)(d)
3	Smt. Neelam S. Kumar, Chief Controller of Accounts, Ministry of Textiles, Govt. of India, "Udyog Bhavan", New Delhi – 110 011. (10.07.2015 to 09.07.2018)	11	Shri Rajeev Chawla, IAS., Principal Secretary, Govt. of Karnataka, Horticulture Department, Room No.404, 4 th Floor, 3 rd Gate, M.S. Building, Bengaluru – 560 001, Karnataka. (09.10.2014 to 08.10.2017)
4	Dr. H. Nagesh Prabhu, IFS, Member Secretary, Central Silk Board, CSB Complex, BTM Layout, Madiwala, Bengaluru – 560 068. (20.07.2015 to 31.12.2017)	12	Shri G. Sathish, IFS, Commissioner for Sericulture Development & Director of Sericulture, Govt. of Karnataka, Dr. B.R. Ambedkar Veedhi, M.S. Building, Bengaluru – 560 001, Karnataka. [09.10.2014 to 08.10.2017]
III	UNDER SECTION 4(3)(c)	13	Shri Mohamud Dastagira, S/o Shri Abdul Rahim, No.3738, Mehaboobnagar, Ramanagaram – 562 159, Karnataka. (20.08.2014 to 19.08.2017)
5	Shri P.C. Mohan, Member of Parliament (Lok Sabha) 1928, 30 th Cross, 12 th Main, Banashankari 2 nd Stage, Monotype, G.K. Kalyana Mantapam, Bengaluru-560 050. No.160, South Avenue, New Delhi-110 011. (18.07.2014 to 17.07.2017)		
6	Shri Ashwini Kumar Choubey, Member of Parliament (Lok Sabha) New Delhi. T.N. Singh Lane, Manik Sarkar, Adampur, Bhagalpur, Bihar (18.07.2014 to 17.07.2017)		
7	Shri Nimmala Kristappa, Member of Parliament (Lok Sabha) 12-A, Ferozsha Road, New Delhi Gorantla- 515 231, Anantapur District, Andhra Pradesh (18.07.2014 to 17.07.2017)		

Sl. No.	Name & Address of the Member	Sl. No.	Name & Address of the Member
14	Shri K.Mudde Gowda (Ramesh), S/o Shri Kempe Gowda, Kempaiana Hundi, T.Narasipura Taluk, Mysuru District. Karnataka (20.08.2014 to 19.08.2017)	20	Shri Barnabas Milton Queah, ACS, Director of Sericulture, Govt. of Assam, Directorate of Sericulture, (Near Research Gate), Guwahati – 781 022, Assam. (20.08.2014 to 19.08.2017)
15	Shri P. Somanna, S/o Late Puttaswamy, Suttur Village, Biligere Hobli, Nanjangud Taluk, Mysuru District, Karnataka. (20.08.2014 to 19.08.2017)	21	Shri Dinesh Kumar, IAS, Director, Handloom & Sericulture Dept, Govt. of Bihar, Vikas Bhavan, Patna – 800 015, Bihar. (03.11. 2014 to 02.11. 2017)
V	UNDER SECTION 4(3)(e)	22	Shri Sunil Kujur, IAS, Principal Secretary, Rural Industries Department, Sericulture Section, Govt. of Chhattisgarh, Sonakhan Bhawan, Ring Road, Raipur – 492 006, Chhattisgarh (24.06.2013 to 23.06.2016)
16	Shri Harmander Singh, IAS, Principal Secretary to Govt. Handlooms, Handicrafts, Textiles & Khadi Dept.(G2) Govt. of Tamil Nadu, Secretariat, Fort St. George, Chennai – 600 009 Tamil Nadu. (20.08.2014 to 19.08.2017)	23	Smt. Vatsala Vasudeva, IAS, Secretary & Commissioner, Cottage & Rural Industries, Govt. of Gujarat, Block No.7, Udyog Bhavan, Gandhinagar – 382 011, Gujarat. (03.11.2014 to 02.11.2017)
VI	UNDER SECTION 4(3)(f)	24	Shri Ajay Kumar Singh, IAS, Director, Handloom, Sericulture & Handicrafts, Department of Industries, Govt. of Jharkhand, Nepal House Doranda, Ranchi – 834 002, Jharkhand. (07.05.2013 to 06.05.2016)
17	Smt. Soma Bhattacharjee, IAS, Commissioner of Textiles, Govt. of West Bengal, New Secretariat Building, 6 th Floor, Block-A, Kiran Sharkar Ray Road, Kolkata – 700 001, West Bengal. (03.11.2014 to 02.11.2017)	25	Shri Satyananda, IFS, Commissioner/Director of Sericulture, Govt. of Madhya Pradesh, Lower Basement, Satpura Bhawan, Bhopal – 462 004, Madhya Pradesh.(09.10.2014 to 08.10.2017)
18	Shri Humayun Kabir, Village – Narkel Bari, P.O. Sompara, P.S. Shaktipur, District Murshidabad – 742163 West Bengal. (01.08.2013 to 31.07.2016)	26	Shri Vimal Chandra Srivastav, PCS, Director of Sericulture & Weaving, Directorate of Sericulture, Govt. of Uttar Pradesh, L D A Commercial Complex, 1 st Floor, Vishwaskhand – III, Gomti Nagar, Lucknow, (14.10.2015 to 13.10.2018)
VII	UNDER SECTION 4(3)(g)		
19	Shri Chiranjiv Choudhary, IFS, Commissioner of Sericulture, Govt. of Andhra Pradesh, Department of Sericulture, Road No.72, Prashasan Nagar, Adjacent to Water Tank, Jubilee Hills, Hyderabad – 500 096 (22.12.2014 to 21.12.2017)		

Sl. No.	Name & Address of the Member	Sl. No.	Name & Address of the Member
27	Dr.Sudhir Mohan Sharma, Director, Directorate of Sericulture, Govt. of Uttarakhand, Premnagar, Dehradun – 248 007, Uttarakhand. (07.05.2013 to 06.05.2016)	35	Shri Azad Kumar Chalasani, M/s. SVEC Construction Limited, No.1014, Raghava Ratna Towers, Chirag Ali Lane, Abids, Hyderabad – 500 001, Telangana. (12.09.2013 to 11.09.2016)
VIII	UNDER SECTION 4(3)(h)	36	Shri N. Ramesh Yeluhalli, Chikkaballapur Taluk, Chikkaballapur District, Karnataka. (12.09.2013 to 11.09.2016)
28	Shri M.A. Bukari, IAS, Commissioner/Secretary, Govt. of Jammu & Kashmir, Agriculture Production Dept. Room No.205/206, 2 nd Floor, Civil Secretariat, Srinagar – 190 001, Jammu & Kashmir. (22.12.2014 TO 21.12.2017)	37	Shri B.C. Umesh Babu, R/o # 342, "Methala", Ward No.3, Near Shiva Temple, Dommasandra, Sarjapura Hobli, Anekal Taluk, Bengaluru – 562 125, Karnataka (18.09.2013 to 17.09.2016)
IX	UNDER SECTION 4(3)(i)	38	Shri R.H. Jairam Reddy, Ksheerasagaram Village, Kongatam Post, V. Kota Mandal, Chittoor District – 517 424, Andhra Pradesh (27.09.2013 to 26.09.2016)
29	Shri N.P. Yaglewad, Director (Sericulture), Govt. of Maharashtra, New Administrative Building No.2, 6 th Floor, B-Wing, Civil Lines, Commissionaire Premises, Nagpur – 440 001, Maharashtra. (07.05.2013 to 06.05.2016)	39	Shri Pitchikala Lakshminarayana, Badarala Village, Vemulapalli Post, Lingapalem Mandel, West Godavari District, Andhra Pradesh – 534 452. (17.10.2013 to 16.10.2016)
30	Shri Chandan Basera, Director, Directorate of Sericulture, Govt. of Nagaland, Below New Secretariat Complex, Kohima – 797 001, Nagaland. (07.05.2013 to 06.05.2016)	XI	PERMANENT INVITEES
31	Smt. Chithra Arumugam, IAS, Commissioner-cum-Secretary Handlooms, Textiles and Handicrafts Department, Govt. of Odisha, Sathya Nagar, Bhubaneswar (20.08.2014 to 19.08.2017)	1	Dr. Kavita Gupta, IAS, Textile Commissioner, Ministry of Textiles, Govt. of India, New CGO building, # 48, New Marine Line, P.B. No.11500, Mumbai – 400 020. Maharashtra
X	UNDER SECTION 4(3)(j)	2	Shri T.V. Maruthi, Chairman, Indian Silk Export Promotion Council B-1 Extension, A-39, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi – 110 044.
32	Shri R.K. Rama Krishnappa, Melur Post, Siddlaghatta Taluk, Chikkaballapur – 562 102, Karnataka (05.09.2013 to 04.09.2016)	3	Shri P. Jayapal Rao, BSc, PGDS., Commissioner for Sericulture (I/c), Govt. of Telangana, Road No.72, Prashasan Nagar, Film Nagara, Hyderabad – 500 096. Telangana.
33	Shri M.P. Lakshmikanth, No.1554, 16 th Main, M.C. Layout, Vijayanagar, Bengaluru–560 040, Karnataka. (05.09.2013 to 04.09.2016)		
34	Shri Abdul Gani Vakil, No.41, Govt. Flat, Near Shivji Mandir, Gandhi Nagar, Jammu. (26.09.2013 to 25.09.2016)		

Name of the Scheme: Implementation of Sericulture Programme with the Convergence support of RKVY, MGNREGA, Tribal Development Fund etc.

Annexure-III

[Rs. in Lakhs]

Central Silk Board

#	State	RKVY			MNREGA			Others (**)			Total										
		Project Prepared		Fund Released	Project Prepared		Fund Released	Project Prepared		Fund Released	Project Prepared		Fund Released								
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount								
I	Southern Zone																				
1	Karnataka	8	2500.00	7	1305.00	1305.00	1	24773.55	1	12614.00	1184.33	15	21573.66	15	21573.66	21102.27	24	48847.21	23	35492.66	23591.60
2	Andhra Pradesh	10	1375.02	10	1318.00	475.00	1	10789.47	1	2893.41	320.57	0	0.00	0	0.00	0.00	11	12164.49	11	4211.41	795.57
3	Telangana	6	300.00	5	214.70	107.00	8	5407.00	1	1509.90	74.86	0	0.00	0	0.00	0.00	14	5707.00	6	1724.60	181.86
4	Tamil Nadu	23	2406.70	0	0.00	0.00	0	0.00	0	0.00	0.00	23	1974.64	17	1525.36	664.30	46	4381.34	17	1525.36	664.30
5	Kerala	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00
6	Maharashtra	2	877.80	2	877.80	270.16	1	641.31	1	641.31	214.98	1	721.96	1	618.70	498.09	4	2241.07	4	2137.81	983.23
	Total for Southern	49	7459.52	24	3715.50	2157.16	11	41611.33	4	17658.62	1794.74	39	24270.26	33	23717.72	22264.66	99	73341.11	61	45091.84	26216.56
II	North Western Zone																				
1	Jammu & Kashmir	4	120.00	4	120.00	120.00	1	389.75	0	0.00	0.00	0	0.00	0	0.00	0.00	5	509.75	4	120.00	120.00
2	Himachal Pradesh	1	48.29	1	48.29	48.29	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	1	48.29	1	48.29	48.29
3	Uttarakhand	1	804.37	1	804.37	290.00	5	72.40	1	12.15	2.76	0	0.00	0	0.00	0.00	6	876.77	2	816.52	292.76
4	Haryana	1	40.68	1	40.68	40.68	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	1	40.68	1	40.68	40.68
5	Punjab	1	18.92	1	18.92	18.92	0	0.00	0	0.00	0.00	1	30.47	1	30.47	30.47	2	49.39	2	49.39	49.39
	Total North Western	8	1032.26	8	1032.26	517.89	6	462.15	1	12.15	2.76	1	30.47	1	30.47	30.47	15	1524.88	10	1074.88	551.12
III	Central Western																				
1	Uttar Pradesh	1	1150.00	1	557.60	0.00	48	1048.48	19	390.96	390.96	1	75.00	1	75.00	0.00	50	2273.48	21	1023.56	390.96
2	Madhya Pradesh	1	1100.25	1	550.12	300.00	1	10119.00	1	671.40	397.00	0	0.00	0	0.00	0.00	2	11219.25	2	1221.52	697.00
3	Chhattisgarh	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	1	151.15	1	151.15	151.15	1	151.15	1	151.15	151.15
	Total Central Western	2	2250.25	2	1107.72	300.00	49	11167.48	20	1062.36	787.96	2	226.15	2	226.15	151.15	53	13643.88	24	2396.23	1239.11
IV	Eastern Zone																				
1	West Bengal	5	550.00	5	550.00	0.00	1	59.00	1	59.00	0.00	1	101.40	1	101.40	101.40	7	710.40	7	710.40	101.40
2	Bihar	1	784.28	1	784.28	189.40	1	795.80	1	795.80	0.00	0	0.00	0	0.00	0.00	2	1580.08	2	1580.08	189.40
3	Jharkhand	2	1539.37	2	1608.74	280.00	1	97.87	0	0.00	0.00	1	456.31	1	456.31	456.31	4	2093.55	3	2065.05	736.31
4	Orissa	1	835.82	1	835.82	835.82	1	2650.68	1	2021.21	1642.70	1	529.41	1	257.87	257.87	3	4015.91	3	3114.90	2736.39
	Total for Eastern	9	3709.47	9	3778.84	1305.22	4	3603.35	3	2876.01	1642.70	3	1087.12	3	815.58	815.58	16	8399.94	15	7470.43	3763.50
	North Eastern States																				
1	Assam	0	0.00	0	0.00	0.00	1	480.93	0	0.00	0.00	0	0.00	0	0.00	0.00	1	480.93	0	0.00	0.00
1a	Karbi Anglong	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00
2	BTC	0	0.00	0	0.00	0.00	1	537.30	0	0.00	0.00	0	0.00	0	0.00	0.00	1	537.30	0	0.00	0.00
3	Ar.Pradesh	4	26.93	0	0.00	0.00	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	4	26.93	0	0.00	0.00
4	Manipur	0	0.00	0	0.00	0.00	1	126.83	0	0.00	0.00	0	0.00	0	0.00	0.00	1	126.83	0	0.00	0.00
5	Meghalaya	0	0.00	0	0.00	0.00	1	436.24	0	0.00	0.00	0	0.00	0	0.00	0.00	1	436.24	0	0.00	0.00
6	Mizoram	6	1220.00	6	205.00	205.00	1	368.13	0	0.00	0.00	0	0.00	0	0.00	0.00	7	1588.13	6	205.00	205.00
7	Nagaland	0	0.00	0	0.00	0.00	1	417.68	0	0.00	0.00	0	0.00	0	0.00	0.00	1	417.68	0	0.00	0.00
8	Sikkim	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00	0	0.00	0	0.00	0.00
9	Tripura	0	0.00	0	0.00	0.00	1	811.98	0	0.00	0.00	0	0.00	0	0.00	0.00	1	811.98	0	0.00	0.00
	Total North Eastern	10	1246.93	6	205.00	205.00	7	3179.09	0	0.00	0.00	0	0.00	0	0.00	0.00	17	4426.02	6	205.00	205.00
	Grand Total	78	15698.43	49	9839.32	4485.27	77	60023.40	28	21609.14	4228.16	45	25614.00	39	24789.92	23261.86	200	101335.83	116	56238.38	31975.29

STATE-WISE RAW SILK PRODUCTION DURING 2014-15

Annexure -IV

State	Mulberry Plantation (Hectare)	Mulberry Raw Silk (MT)			Vanya Raw Silk (MT)				Total (M+V) (MT)
		Bivoltine hybrids	Cross Breed	Total	Tasar	Eri	Muga	Total	
Andhra Pradesh	45726	495	5990	6485					6485
Arunachal Pradesh	342	1		1		10	1	11	12
Assam	7356	29	2	31		3055	136	3191	3222
Bihar	693		12	12	33	8		41	53
Chhattisgarh	744	0.54	8	9	225			225	234
Haryana	136	0.3		0.3					0.30
Himachal Pradesh	1780	30		30					30
Jammu & Kashmir	8132	138		138					138
Jharkhand	372		3	3	1943			1943	1946
Karnataka	88489	1203	8442	9645					9645
Kerala	125	7		7					7
Madhya Pradesh	4854	128	59	187	59	2		61	248
Maharashtra	2774	199	3	203	19			19	222
Manipur	6858	138	12	150	4	361	1	366	516
Meghalaya	2659	17		17		622	16	639	656
Mizoram	3700	32	8	40	0.02	10	0.10	10	50
Nagaland	633	6		6	0.10	610	3	613	619
Orissa	463	2	1	3	88	7		95	98
Punjab	1127	4		4					4
Sikkim	198	5		5		3	0.17	3	8
Tamil Nadu	16576	1207	395	1602					1602
Telangana	1862	51	49	100	0.30			0.30	100
Tripura	2426	33	15	48					48
Uttar Pradesh	3866	87	99	186	18	32		50	236
Uttarakhand	2774	29		29	0.02				29
West Bengal	15153	27	2423	2450	43	6	0.27	49	2500
Total	219819	3870	17520	21390	2434	4726	158	7318	28708

Source: Compiled from MIS reports received from State Sericulture Departments

STATE-WISE SILK PRODUCTION DURING 2015-16

State	Mulberry Plantation (Hectare)	Mulberry Raw Silk (MT)			Vanya Raw Silk (MT)				Total (M+V) (MT)
		Bivoltine hybrids	Cross Breed	Total	Tasar	Eri	Muga	Total	
Andhra Pradesh	29829	708	4378	5086					5086
Arunachal Pradesh	341	3		3		32	2	34	37
Assam	7765	32	7	39		3143	142	3285	3325
Bihar	743		19	19	41	8		48	67
Chhattisgarh	771	0.35	8	9	254			254	263
Haryana	171	0.60		0.60					0.60
Himachal Pradesh	2088	32		32					32
Jammu & Kashmir	8237	127		127					127
Jharkhand	372		3	3	2281			2281	2284
Karnataka	87598	1344	8479	9823					9823
Kerala	141	11		11					11
Madhya Pradesh	5597	107	93	200	56	1		57	256
Maharashtra	3947	249	4	252	21			21	274
Manipur	7338	133	10	144	4	370	1	375	519
Meghalaya	3009	15		15		824	18	842	857
Mizoram	3843	46	9	55	0.005	9	0.12	9	64
Nagaland	743	4	3	7	0.07	622	2	624	631
Orissa	584	3		3	107	7		114	117
Punjab	1129	0.76		0.76					0.76
Sikkim	198	4		4		3	0.15	3	6
Tamil Nadu	16160	1532	366	1898					1898
Telangana	2509	89	26	115	1				116
Tripura	3161	22	31	52					52
Uttar Pradesh	4199	91	109	200	20	36		56	256
Uttarakhand	2974	30		30					30
West Bengal	15500	31	2320	2351	34	6	0.21	40	2391
Total	208947	4613	15865	20478	2819	5060	166	8045	28523

Source: Compiled from MIS reports received from State Sericulture Departments