



**HANDLOOMS, HANDICRAFTS, TEXTILES AND KHADI DEPARTMENT**

**DEPARTMENT OF SERICULTURE**

**PERFORMANCE BUDGET**

**2015-2016**

**DEMAND No.18**

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MINISTER FOR RURAL INDUSTRIES**

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Government of Tamil Nadu  
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## **DEPARTMENT OF SERICULTURE**

### **PERFORMANCE BUDGET FOR 2015-2016**

Tamil Nadu continues to be a leading State among all other silk producing States in India, in the following major activities of the Industry.

- ★ **The average cocoon production of the State per 100 silkworm layings is 77.00 Kg. , whereas the National average is 58.00 kg.**
- ★ **Out of the total silk production, 80.71 % is bivoltine silk. 1532 metric tonnes of bivoltine silk were produced in Tamil Nadu during 2015-2016.**
- ★ **Implementation of Cluster Promotion Programme.**

#### **I. Cocoon yield per 100 Layings**

There is continuous increase in productivity of cocoons per 100 layings in recent years. Performance under cocoon yield per 100 layings for the past five years is furnished below:

| <b>S.No.</b> | <b>Year</b>      | <b>Average Cocoon Yield per 100 Layings (in Kgs)</b> |
|--------------|------------------|--|
| <b>1</b>     | <b>2011-2012</b> | <b>68.800</b>  |
| <b>2</b>     | <b>2012-2013</b> | <b>69.690</b>  |
| <b>3</b>     | <b>2013-2014</b> | <b>71.500</b>  |
| <b>4</b>     | <b>2014-2015</b> | <b>73.900</b>  |
| <b>5</b>     | <b>2015-2016</b> | <b>77.000</b>  |

## II. Chawkie Rearing Centres

Utilisation of chawkie worms by farmers is a proven concept, resulting in increased productivity and reduced failure of silkworm crops. There is a steady and significant increase in usage of chawkie worms by Sericulturists.

Performance under distribution of chawkie worms for the past five years is furnished below:

| S.No. | Year      | Total Layings reared (in lakhs) | Chawkie reared (in lakhs) | Percentage (%) | No. of Chawkie Rearing Centres |
|-------|-----------|---------------------------------|---------------------------|----------------|--------------------------------|
| 1     | 2011-2012 | 140.778                         | 34.675                    | 25             | 22                             |
| 2     | 2012-2013 | 114.977                         | 31.410                    | 27             | 75                             |
| 3     | 2013-2014 | 100.797                         | 31.639                    | 32             | 132                            |
| 4     | 2014-2015 | 142.206                         | 73.624                    | 52             | 135                            |
| 5     | 2015-2016 | 162.382                         | 104.420                   | 64             | 135                            |

## III. Cluster Approach under Cluster Promotion Programme

In Tamil Nadu, Cluster Promotion Programme is implemented from the year 2008-2009. 28 clusters are functioning successfully since 2013.

Achievement of the State in bivoltine silkworm rearing, cocoon production and bivoltine silk production under this programme for the past five years is furnished below:

| S.No. | Year      | Layings reared (in lakhs) | Cocoon Production (in Metric Tonnes) | Silk Production (in Metric Tonnes) | Cocoon Yield per 100 Layings (in Kgs) |
|-------|-----------|---------------------------|--------------------------------------|------------------------------------|---------------------------------------|
| 1     | 2011-2012 | 25.361                    | 1,845.060                            | 295.210                            | 72.750                                |
| 2     | 2012-2013 | 24.909                    | 1,823.141                            | 293.300                            | 73.190                                |
| 3     | 2013-2014 | 38.450                    | 2,822.264                            | 451.562                            | 73.400                                |
| 4     | 2014-2015 | 55.852                    | 4,218.997                            | 692.020                            | 75.540                                |
| 5     | 2015-2016 | 76.389                    | 5,965.100                            | 954.416                            | 78.008                                |

#### IV. Raw silk Production

Tamil Nadu Sericulture farmers are in the forefront in adopting latest technologies in mulberry cultivation and silkworm rearing. Thrust has been given to produce quality bivoltine silk in the State, by extending adequate technical and financial assistance by the Department of Sericulture. There is significant improvement in bivoltine silk production and in percentage of bivoltine silk out of total silk production during 2015-2016. Performance under this component for the past five years is furnished below:

| S.No. | Year      | Total Raw silk production (in Metric Tonnes) | Bivoltine silk production (in Metric Tonnes) | Percentage of Bivoltine silk in total raw silk production |
|-------|-----------|--|--|---|
| 1     | 2011-2012 | 1,418  | 592.20                                       | 41.7  |
| 2     | 2012-2013 | 1,185  | 575.50                                       | 48.6  |
| 3     | 2013-2014 | 1,120  | 710.63                                       | 63.4  |
| 4     | 2014-2015 | 1,602  | 1,206.72                                     | 75.3  |
| 5     | 2015-2016 | 1,897  | 1,531.75                                     | 80.7  |

The performance on important key areas in Sericulture activities is furnished in table 1 to 7 below:

##### 1. Cocoon Production

During the year 2015-2016, **12,043** Metric Tonnes of cocoons were produced. Performance for the past five years is furnished below:

| S.No. | Year      | Cocoon production (in Metric Tonnes) |
|-------|-----------|--------------------------------------|
| 1     | 2011-2012 | 9,685                                |
| 2     | 2012-2013 | 8,013                                |
| 3     | 2013-2014 | 7,206                                |
| 4     | 2014-2015 | 10,256                               |
| 5     | 2015-2016 | 12,043                               |

## **2. Government Silk Farms**

### **(a) Farm Receipts**

To optimize the services rendered to the farmers, the activity of some of the Government Silk Farms are converted into seed cocoon production, commercial cocoon production, raising mulberry saplings and Chawkie (young silkworms) rearing.

Performance regarding income generated from the Government Silk Farms for the past five years is furnished below:

| <b>S.No.</b> | <b>Year</b>      | <b>Farm Receipts<br/>(Rs. in Lakhs)</b> |
|--------------|------------------|---|
| <b>1</b>     | <b>2011-2012</b> | <b>72.353</b>                           |
| <b>2</b>     | <b>2012-2013</b> | <b>72.040</b>                           |
| <b>3</b>     | <b>2013-2014</b> | <b>73.532</b>                           |
| <b>4</b>     | <b>2014-2015</b> | <b>87.966</b>                           |
| <b>5</b>     | <b>2015-2016</b> | <b>95.340</b>                           |

### **(b) Farmers training at Government Silk Farms**

During the year 2015-2016, training in Sericulture was imparted to **6,060** farmers in the Government Silk Farms of the Department. Farmers are trained in Government Silk Farms in mulberry cultivation and silkworm rearing to improve productivity.

Performance of the Government Silk Farms for the past five years is furnished below:

| <b>S.No.</b> | <b>Year</b>      | <b>Farmers trained</b> |
|--------------|------------------|------------------------|
| <b>1</b>     | <b>2011-2012</b> | <b>5,794</b>           |
| <b>2</b>     | <b>2012-2013</b> | <b>5,430</b>           |
| <b>3</b>     | <b>2013-2014</b> | <b>5,237</b>           |
| <b>4</b>     | <b>2014-2015</b> | <b>6,860</b>           |
| <b>5</b>     | <b>2015-2016</b> | <b>6,060</b>           |

### (c) Mulberry Saplings production in Government Silk Farms

During the year 2015-2016, **42.443** lakh mulberry saplings were produced in the Government Silk Farms of the Department. The saplings produced in these farms were utilized by the farmers for raising new plantation.

Performance of the Government Silk Farms for the past five years is furnished below:

| S.No. | Year      | Saplings Production (in lakhs) |
|-------|-----------|--------------------------------|
| 1     | 2011-2012 | 37.552                         |
| 2     | 2012-2013 | 36.540                         |
| 3     | 2013-2014 | 35.410                         |
| 4     | 2014-2015 | 39.337                         |
| 5     | 2015-2016 | 42.443                         |

### 3. Collection of levy under Sericulture Development and Price Stabilisation Fund

A levy @ 0.75% on the value of cocoon transacted by the farmers and reelers and on the value of the silk transacted by the sellers and buyers in Government Cocoon Markets and Anna Silk Exchange, Kancheepuram is being collected and accrued in the Sericulture Development and Price Stabilisation Fund.

The collection of levy for the past five years is furnished below:

| S.No | Year      | Levy collected (Rs. in Lakhs) |
|------|-----------|-------------------------------|
| 1    | 2011-2012 | 157.134                       |
| 2    | 2012-2013 | 173.204                       |
| 3    | 2013-2014 | 143.323                       |
| 4    | 2014-2015 | 133.659                       |
| 5    | 2015-2016 | 153.394                       |

#### 4. Post Cocoon Sector

For strengthening post cocoon sector, multi-pronged strategy has been adopted. The details of reeling units sanctioned under Catalytic Development Programme / Central Sector Scheme, for the past five years are furnished below:

| S.No | Year      | Charka / Motorised Charkas |         | Cottage Basins |         | Multi-End Basins |         | Auto-matic Reeling Units |         | Hot Air Driers | Looms | TOTAL |         |
|------|-----------|----------------------------|---------|----------------|---------|------------------|---------|--------------------------|---------|----------------|-------|-------|---------|
|      |           | Units                      | Devices | Units          | Devices | Units            | Devices | Units                    | Devices | Units          | Nos   | Units | Devices |
| 1    | 2011-2012 | -                          | -       | -              | -       | -                | -       | -                        | -       | 10             | 5300  | 10    | 5300    |
| 2    | 2012-2013 | -                          | -       | 10             | 60      | 2                | 20      | -                        | -       | 5              | -     | 17    | 80      |
| 3    | 2013-2014 | -                          | -       | -              | -       | 12               | 120     | -                        | -       | -              | -     | 12    | 120     |
| 4    | 2014-2015 | -                          | -       | -              | -       | 4                | 40      | -                        | -       | -              | -     | 4     | 40      |
| 5    | 2015-2016 | -                          | -       | -              | -       | 5                | 50      | 1                        | 40      | -              | -     | 6     | 90      |

#### 5. Funds received from Central Silk Board and Government of Tamil Nadu

The details of allocation of funds by Central Silk Board and State Government for the past five years are furnished below:

| S.No. | Year      | Central Silk Board (Rs. in lakhs) | Government of Tamil Nadu (Rs. in lakhs) | TOTAL (Rs. in lakhs) |
|-------|-----------|-----------------------------------|---|----------------------|
| 1     | 2011-2012 | 1,229.485                         | 773.876                                 | 2,003.361            |
| 2     | 2012-2013 | 1,371.500                         | 797.480                                 | 2,168.980            |
| 3     | 2013-2014 | 1,642.639                         | 895.123                                 | 2,537.762            |
| 4     | 2014-2015 | 918.920                           | 669.137                                 | 1,588.057            |
| 5     | 2015-2016 | 470.840                           | 2522.040                                | 2,992.880            |

Ministry of Textiles has restricted the funds released to State during 2015-2016 and restructured Catalytic Development Programme to Central Sector Scheme. Government of Tamil Nadu have stepped up allocation of funds to compensate for reduced allocation of funds by Ministry of Textiles, Government of India.

## 6. Tamil Nadu Sericulture Training Institute, Hosur

During the year 2015-2016, one week training was imparted in silkworm rearing to 422 farmers and 15 days training was organised in silk reeling to 304 reeling workers under Integrated Skill Development Scheme. One week training programme was also organized in silkworm rearing to 360 farmers under Central Sector scheme and to 155 farmers under Catalytic Development Programme. Further 320 farmers were trained in silkworm rearing for three days under ATMA (Agricultural Technological Management Agency) Scheme.

Performance for the past five years is furnished below:

| S.No. | Year      | No. of trainees trained |
|-------|-----------|-------------------------|
| 1     | 2011-2012 | 2,039                   |
| 2     | 2012-2013 | 2,173                   |
| 3     | 2013-2014 | 2,130                   |
| 4     | 2014-2015 | 2,983                   |
| 5     | 2015-2016 | 1,561                   |

## 7. Tamil Nadu Co-operative Silk Producers Federation Limited (TANSILK), Kancheepuram.

During the year 2015-2016, profit of Rs.107.737 lakhs was earned by the Tamil Nadu Co-operative Silk Producers Federation Limited (TANSILK), Kancheepuram, by transacting raw silk and ready silk to the twister members.

Performance of TANSILK for the past five years is furnished below:

| S.No. | Year      | Purchase                 |                      | Sales                    |                      | Net Profit (Rs. in lakhs) |
|-------|-----------|--------------------------|----------------------|--------------------------|----------------------|---------------------------|
|       |           | Quantity (Metric Tonnes) | Value (Rs. in lakhs) | Quantity (Metric Tonnes) | Value (Rs. in lakhs) |                           |
| 1     | 2011-2012 | 300                      | 6256.85              | 298                      | 6300.38              | 44.46                     |
| 2     | 2012-2013 | 248                      | 6576.83              | 255                      | 6726.61              | 70.49                     |
| 3     | 2013-2014 | 270                      | 9095.25              | 267                      | 9012.22              | 73.80                     |
| 4     | 2014-2015 | 259                      | 7859.07              | 262                      | 8010.99              | 88.00                     |
| 5     | 2015-2016 | 300                      | 8412.04              | 304                      | 8552.00              | 107.73                    |

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