



	(Rs.)	<b>60%</b>	<b>20%</b>	<b>20%</b>	<b>80%</b>	<b>10%</b>	<b>10%</b>
1270 graineurs	100000	60000	20000	20000	80000	10000	10000

**ii) Assistance for Strengthening of Tasar Seed Multiplication infrastructure**

In tasar sector, Central Silk Board alone is meeting the entire requirement of basic seed in the country for multiplication and further production for supply of commercial dfls to the rearers. In order to broaden the supply source and to augment the production of tasar basic seed to cater to its growing demand, there is a need to explore alternate possibilities of involving States/ NGOs/ Societies/ SHGs, Private Graineurs etc. It is proposed to establish new units / strengthen existing tasar silkworm seed multiplication infrastructure with State Departments/ NGOs/ Societies/ SHGs, Private Graineurs etc. during XI plan Assistance will be provided for strengthening of existing building, besides supply of grainage equipments. The existing seed multiplication infrastructure will be strengthened/ renovated and necessary equipment will be provided based upon the actual requirement to supplement the supply of basic seed. The assistance towards renovation and equipment supply will be extended as per the actual requirement. A Joint Committee comprising representation of DOS and CSB will decide the actual assistance required for the identified PPC. It has been proposed to strengthen 20 Pilot Project Centres (PPC) during XI Plan period. An unit cost of Rs.2.50 lakh per PPC has been worked out and the details are appended at **Annexure-II**. NGOs, Societies, SHGs, Graineur groups can also avail the benefit of the scheme to upgrade their grainage into a basic seed production unit.

The physical target, unit cost and sharing pattern are indicated below.

Physical target	Unit cost (Rs.)	Sharing pattern					
		General States			Special Status States		
		CSB	State	Benef.	CSB	State	Benef.
20 PPCs	250000	<b>50%</b>	<b>50%</b>	--	<b>90%</b>	<b>10%</b>	--
		125000	125000	--	225000	25000	--

**iii) Assistance for strengthening of Seed Multiplication Infrastructure for Oak Tasar in the State.**

In Oak tasar sector, CSB alone is meeting the entire requirement of basic seed in the country for implementation and further production and supply of commercial DFLs to the rearers. It is necessary to strengthen the State Seed Multiplication units to augment the production of basic seed to cater to the increased demand for commercial dfls. Keeping this in view, it is proposed to strengthen Oak Tasar farm cum Grainage with basic facilities like infrastructure for farm, equipments etc. during XI plan. . An unit cost of Rs.6.65 lakh per grainage has been worked out and the details are appended at **Annexure-III**. The scheme envisages to provide towards construction/renovation of grainage houses with all round veranda, construction of office room and moth examination room, digging of borewell with pumpset and pipelines besides supply of grainage equipment and consumables. It has been proposed to provide financial assistance of Rs. 3.90 lakh for construction/renovation of grainage house and office room with facilities viz., UPS and generator. The proposed grainage house can be utilized to preserve one lakh cocoon. Further it has been proposed to provide financial assistance of Rs. 1.00 lakh to purchase grainage equipment. During the proposed programme 10 adopted seed rearers will be provided financial assistance of Rs. 11,500 and the total cost will be 1.15 lakh. Besides this the financial assistance of Rs. 50,000 will also be provided as working capital to purchase seed cocoons. Necessary provision has been made towards insurance coverage and building maintenance. A joint committee comprising representative of CSB and DoS will inspect and decide the actual requirement of funds.

The physical target, unit cost and sharing pattern are indicated below.

Physical target	Unit cost (Rs.)	Sharing pattern		
		CSB <b>90%</b>	State <b>10%</b>	Benef. <b>--</b>
31 grainages	665000	598500	66500	--

**iv) Assistance to tasar silkworm Seed rearers:**

It is proposed to assist seed rearers with the necessary rearing equipments and tools to produce seed cocoons required for grainage operations. It has been proposed to assist 1500 seed rearers during XI Plan period. An unit cost of Rs.7500/- per seed rearer has been worked out and the details are appended at **Annexure IV**. These seed rearers will be attached to basic seed production units or grainages to supply seed cocoons. The DoS will identify the seed rearers and furnish the list of rearers and the seed production unit to which they are attached.

The physical target, unit cost and sharing pattern are indicated below.

Physical target	Unit cost (Rs.)	Sharing pattern					
		General States			Special Status States		
		CSB	State	Benef.	CSB	State	Benef.
1500 rearers	7500	4500	1500	1500	6000	750	750

**Annexure - I****Support to tasar private graineurs**

(Capacity : 5000 dfls/ Operation)

<b>Sl. No.</b>	<b>Particulars</b>	<b>Unit</b>	<b>Input</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
<b>a.</b>	<b>Construction of buildings</b>				
1	Grainage building (25'x18' with alround verandah )	No.	1	50000	50000
	<b>Sub-total</b>				<b>50000</b>
<b>b.</b>	<b>Grainage equipments</b>				
2	Microscope	No.	2	4000	8000
3	Egg laying boxes/ Nylon net bags	No.	3500	2	7000
4	Egg laying cabinet	No.	1	1500	1500
5	Wooden table/ slab	No.	1	1000	1000
6	Stools	No.	2	200	400
7	Gattar sprayer	No.	1	2000	2000
8	Plastic drum	No.	2	200	400
9	Plastic bucket	No.	2	250	500
10	Plastic tub	No.	2	200	400
11	Disinfection masks	No.	2	400	800
12	Mortor & Pestle	No.	10	200	2000
	<b>Sub-total</b>				<b>24000</b>
<b>c.</b>	<b>Consumables</b>				
13	Chemicals (Formaldehyde, KOH, Bleaching powder etc.)	lumpsum			300
14	Detergent powder	kg	2	50	100
15	Soap	No.	10	10	100
16	Slides, coverslips, blotting paper, muslin cloth etc.	lumpsum			450
17	Lime	kg	10	5	50
	<b>Sub-total</b>				<b>1000</b>
<b>d.</b>	<b>Working capital &amp; Insurance</b>				
18	Cost of seed cocoons	lumpsum			20000
19	Insurance coverage				5000
	<b>Sub-total</b>				<b>25000</b>
	<b>TOTAL</b>				<b>100000</b>

**Annexure - II**

**Support for strengthening Tasar Silkworm Seed Multiplication Centre**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Unit</b>	<b>Input</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
1	Strengthening of existing buildings (false roofing, verandah etc)	lumpsum		100000	100000
2	Air Coolers	No.	2	5000	10000
3	Refrigerators (350 lt)	No.	1	16000	16000
4	Digital balance (1kg capacity)	No.	1	5000	5000
5	Exhaust fans	No.	2	1500	3000
6	Egg incubation cabinet with exhaust fan	No.	1	6000	6000
7	Binocular Microscope	No.	2	20000	40000
8	Egg laying bags/ boxes	No.	15000	2.4	36000
9	Generator 2 KVA	No.	1	30000	30000
10	Chemicals	lumpsum			2000
11	Insurance & maintenance	lumpsum			2000
	<b>TOTAL</b>				<b>250000</b>

**Annexure - III****Establishment/Strengthening of oak tasar seed production centres/grainages in the state****Capacity: To preserve one lakh seed cocoons**

SI No	Particulars	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
<b>A.</b>	<b>Construction of building</b>				
1	Renovation/Construction of Grainage building (40'x25'x10') with 1,00,000 cocoon capacity with all round veranda)	LS	1	120000	120000
2	Construction of office room(20'x12')	No.	1	120000	120000
3	Borewell, pumpset, overhead tank and pipeline	LS	1	100000	100000
4	UPS 1 KVA (with 2h backup)	No.	1	15000	15000
5	Generator 2 KVA	No.	1	25000	25000
6	Office equipment	LS			10000
	<b>Sub-total</b>				<b>3,90,000</b>
<b>B.</b>	<b>Grainage Equipments</b>				
7	Air coolers	No.	1	5000	5000
8	Refrigerators	No.	1	16000	16000
9	Digital Balance (1 Kg capacity)	No.	1	5000	5000
10	Exhaust fans	No.	2	1250	2500
11	Nylon bags/boxes	No.	10,000	2.5	25000
12	Egg incubation cabinet	No.	1	6000	6000
13	Binocular microscope	No.	1	20000	20000
14	Mortar and pestle	No.	20	200	4000
15	Moth examination table	No.	2	2500	5000
16	Laboratory stool	No.	2	1000	2000
17	Laboratory glass wares	LS			5000
18	Gattor sprayer	No.	1	2500	2500
19	Chemicals	LS			2000
	<b>Sub-Total</b>				<b>1,00,000</b>
<b>C.</b>	<b>Working Capital and insurance</b>				
20	Seed cocoons	No.	100000	0.5	50000
21	Insurance and maintenance	LS			10000
	<b>Sub-Total</b>				<b>60,000</b>
<b>D.</b>	<b>Assistance</b>				
22	Assistance to seed rearer	No.	10	11500	1,15,000
	<b>Sub-Total</b>				<b>1,15,000</b>
	<b>Total</b>				<b>6,65,000</b>

**Annexure - IV**

**Assistance to tasar silkworm seed rearers**

**(Unit: 1.0 Ha., Rearing capacity: 300 dfls/ crop)**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Unit</b>	<b>Input</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
1	Pruning saw	No.	2	100	200
2	Nylon Nets (40' X 30' X 10')	No.	2	2750	5500
3	Wooden cot	No.	1	500	500
4	Secature	No.	1	200	200
5	Wooden loft/ GI box to preserve nylon nets	No.	1	500	500
6	Disinfectants (Bleaching powder, lime etc.)	Lumpsum			200
7	Utilities (gum boots, umbrella, torch etc.)	Lumpsum			400
	<b>TOTAL</b>				<b>7500</b>



### **TASAR SEED SECTOR**

i. **Support to rearers for Augmentation of Tasar host plantation:**

The scheme envisages assisting the individual tasar rearers, Self Help Groups (SHG), Women Groups, Vana Samrakshana Samitis (VSS) to raise 1.0 hectare of systematic plantation of food plants of Tasar silkworms at 2.4 X 2.4 m spacing in private lands and also the forestlands. When systematic plantations are raised in forestlands, Joint Forest Management Group (JFMG) will be involved in decision-making. The unit area of one ha. would have 1736 plants and accordingly 1910 seedlings, which is 10% higher than the required number of plants considering the post transportation mortality, would be supplied to each of the beneficiaries. Each beneficiary or Self Help Group will be assisted with supply of seedlings, cost for plantation development, cost of inputs etc.

Of the various items under the sub-component, the Implementing Agency will have the flexibility to select only those items which are required for the beneficiary in the area i.e., while the tasar rearers who have the block plantation, will be assisted for maintenance of the same, beneficiaries who wish to go for new plantation can be provided assisted under all the items. The rearer can also take development and maintenance of chawki garden and take up adult rearing in forest plantations on the similar lines implemented during X Plan. It has been proposed to assist 10,000 rearers during XI plan. The unit cost is Rs.16,000/-

per ha. and the assistance will be shared at 60:20:20 by CSB, State, and Beneficiary respectively. In respect of Special Status States, the assistance will be shared by CSB, State and Beneficiary at 80:10:10 respectively. The physical target, unit cost and sharing pattern are indicated below.

Physical target	Unit cost (Rs.)	Sharing pattern					
		General States			Special Status States		
		CSB	State	Benef.	CSB	State	Benef.
		<b>60%</b>	<b>20%</b>	<b>20%</b>	<b>80%</b>	<b>10%</b>	<b>10%</b>
10000 Hectares.	16000	9600	3200	3200	12800	1600	1600

The Unit cost details are furnished at **Annexure-I**.

- ii) Assistance for raising and maintaining systematic plantation of oak tasar food plantations:

The scheme envisages to assist the seed rearers/individuals/commercial rearers/Self Help Groups for raising one hectare of systematic oak tasar food plantation at 1.8 M x 1.8 M spacing in private lands and also the forest lands. The unit area of one hectare would have 3090 plants and accordingly 3400 seedlings, which is 10% higher than the required number of plants considering the post transportation mortality, would be supplied to each of the beneficiaries (**Annex – II**). Each beneficiary or self help group will be assisted with seedling, cost of plantation, development, cost of inputs and the cost of plantation maintenance as per break up indicated below.

Sl. No.	Particulars	Amount (Rs.)
1.	Cost of seedling	3,400
2.	Cost of Land development	6,400
3.	Cost of input	3,800
4.	Cultural operation	1,200
5.	Cleaning and Maintenance	1,200
	<b>Total</b>	<b>16,000</b>

The scheme will be implemented in Special status States. The details of physical targets, unit cost and sharing pattern are indicated below.

Physical target	Unit cost (Rs.)	Sharing pattern		
		Special Status States		
		CSB	State	Benef.
		<b>80%</b>	<b>10%</b>	<b>10%</b>
1500 Hectares.	16000	12800	1600	1600

- iii) Assistance for construction of Cocoon Storage Houses for Tasar Sector.

Unlike Mulberry, in Tasar sector, there are only two commercial crops. During the Commercial seasons due to the arrival of large quantity of commercial cocoons, the price of tasar cocoons falls down and the tribal rearers are exploited by the Mahajans to sell the cocoons at cheaper prices. Since the tasar reeling activity can be undertaken throughout the year, there is always demand for the tasar cocoons by the reelers throughout the year. Therefore, the tasar cocoons are sold to the reelers at higher prices during the non-commercial seasons due to high demand. Since the tasar cocoons undergo long diapause for about six months, they can be stored without stifling. In-order to ensure that the tasar rearers get remunerative price for their produce; throughout the year, it is proposed provide assistance to tasar rearers for the construction of cocoon storage house. The mud walled storage house (20' X 25' x 10') with tiled or thatched roof would store about 50,000 cocoons. The land required for the construction of storage house would be provided by the tasar rearers. It is proposed to provide assistance to 400 units at a total cost of Rs.2.00 crores covering both tropical and oak tasar sectors. The sharing pattern between CSB, DOS and Beneficiaries under the above scheme would be 50:25:25 for both general and special status states. This is used as a common facility by the rearers group. The physical target, unit cost and sharing pattern are indicated below.

Physical target	Unit cost (Rs.)	Sharing pattern		
		General & Special Status States		
		CSB	State	Benef.
400 Nos.	50000	50%	25%	25%
		25000	12500	12500

## Annexure - I

### Support to rearers for Augmentation of Tasar host plantation

(Unit: 1.0 Ha., Spacing: 2.4 x 2.4 mt., No. of plants - 1910)

Sl.No	Particular	Unit	Input	Rate (Rs.)	Amount (Rs.)
1	Cost of seedlings	No.	1910	2	3820
2	Land Husbandary	cft.	1910	0.75	1433
3	Cattle proof trench* (4' x 3')	mt.	400	10	4000
4	Pit digging (1'x1'x1')	m.d.	35	80	2800
5	Filling of pits & transplantation	m.d.	20	80	1600
6	Cost of FYM/ Compost	kg.	1736	0.8	1389
7	Anti-termite treatment	lumpsum			150
8	Tranportation of saplings from nursery to plantation site	mandays	5	80	400
9	Inter-cultural operations	mandays	5	80	400
	<b>Total</b>				<b>15991</b>

\* **Cattle proof trench, wherever applicable** **or say** **16000**

## Annexure -II

Assistance for raising and maintenance of systematic plantation of Oak Tasar

Cost of raising *Q. serrata* plantation (Unit:1.0Ha, Spacing: 1.8M, No. of plants: 3090)  
Maximum rearing capacity: 1000 DFLs /crop

S.No	Particulars	Unit	Quantity	Rate	Amount
1	Jungle cleaning	Mandays	15	80	1200
2	Pit digging(1'x1'x1' size) @ 40 pits per mandays	Mandays	80	80/-	6,400
3	Cost of seedlings	Nos.	3400	1/-	3,400
5	Cost of FYM/Compost	Kg	3090	1/-	3090
6	Cost of insecticides	LS			710
7	Cultural operation	Mandays	15	80	1200
	<b>TOTAL</b>				<b>16,000</b>