

ERI SEED SECTOR SCHEMES

i) Assistance to State Depts. for Strengthening of existing Eri farm cum Grainages including assistance to Seed Rearer cum Private Graineurs.

It is proposed to continue the existing schemes to strengthen Eri Farm cum Grainage with basic facilities like augmentation or replacement of old block plantations of food plants, buildings for grainage operation, grainage equipments, consumables, revolving capital etc during XI plan. The scheme envisages to provide support to required number of seed rearers by providing support as per the details given under scheme "Support for Castor/ Tapioca cultivators with and Startup Tools" cover under Cocoon Sector, to produce and supply 1.00 lakh Eri dfls / year.

Under the scheme, support shall be provided to the Govt. Eri Seed Farms which are located in Eri cocoon growing clusters and have not been supported under CSB development programmes during last 10 years. A one time support shall be provided for construction / renovation of rearing cum grainage building, grainage equipments, consumables, disinfectants, etc. During the implementation of similar scheme during X plan, it has been observed that the upgraded Grainages in North Eastern states could not create desired impact mainly due to paucity of fund for procurement of Seed cocoons. It is therefore proposed to provide one time assistance for revolving capital to selected State Seed Farms. 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 Seed farm within the unit cost. While the seed farms having block plantations shall be assisted for new building/ repairs, procurement of grainage equipments, consumable and revolving capital for seed cocoons, whereas newly established farms can be provided assistance under all the items. A component of assistance to 40 eri seed rearers has been included in the scheme.

During XI plan, it is proposed to assist 50 units at a total cost of Rs. 2.50 Crores (Rs.5.00 lakhs per unit) and the assistance is proposed to be provided at **90:10** by CSB and State respectively in respect of special status States. For general category States, the assistance is proposed to be shared at **50:50** by CSB and State 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.
		50%	50%	--	90%	10%	--

50 Farm-cum-Grainages	500000	250000	250000	--	450000	50000	--
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Details of unit cost are given at **Annexure- V**

Revised				Annexure-V	
Assistance to State Depts. for Strengthening of Eri farm -cum Grainages including assistance to seed rearers cum private graineurs					
Capacity : 25000 dfls / operation (1,00,000 dfls/ year)					
S.N.	Particulars	Unit	Quantity	Rate	Amount Rs.
1	Raising & Maintenance of perennial Plantation	Acre	4	10000	40000
	One Rearing cum Grainage Buildings of (28' x 22') size with all side varandah and facility for moth examination, running water supply, electricity fittings etc	LS	502	370	185740
	Fixed Cost for Plantation and building				225740
2	Assistance to 40 seed rearers @ Rs.1050/- per rearer	Nos.	40	1050	42000
3	Cost of Grainage Equipments				
	Refrigerator (350 ltrs.)	Nos	1	13000	13000
	Steel racks (6.5'x 3.25' x6.5')	Nos	6	1500	9000
	Plastic Cocoon Preservation trays	Nos	96	375	36000
	Plastic Crates	Nos	15	500	7500
	Gattar Sprayer	Nos.	1	2500	2500
	Room Heater (Blower)	Nos.	2	1500	3000
	Desert Cooler	Nos.	2	5000	10000
	Light Microscope	Nos.	2	8000	16000
	Moth Crushing Set	Nos.	20	350	7000
	Thermometer Wet & Dry	Nos.	2	500	1000
	Moth Examination Table -Big	Nos.	2	1000	2000
	Working table	Nos.	2	1500	3000
	Laboratory Stool	Nos.	4	800	3200
	Wooden Bench	Nos.	2	500	1000
	Scissors	Nos.	5	75	375
	Galvanised Wire	Kg	10	60	600
	Egg Laying Device	Nos.	4000	2.5	10000
	Nylon Nets (7'x 4' x7)	Nos.	6	1000	6000
	Grainage masks	Nos.	6	300	1800
	Plastin Basin/ Tub - big	Nos.	4	100	400
	Plastic Bucket- Big	Nos.	4	100	400
	Plastic Drum	Nos.	1	500	500
	Plastic Dustbins with lid	Nos.	4	150	600
	Egg Weighing Electronic Balance (1Kg)	Nos.	1	10000	10000
	Measuring Cylinder etc	LS	1		625
	Cost of Grainage Equipments				145500
4	Revolving Capital for seed cocoons		200000	0.25	50000
5	Consumables (chemicals)				
	Formaldehyde,Sericlor, KOH, Bleaching Powder, Lime, Bed disinfectants, Soap & Detergents etc.	LS			1180
	Glass slides	Pkt	10	50	500
	Cover Slips	Pkt	10	50	500
	Muslin Cloth	Mtrs	25	20	500
	Egg boxes	Nos.	400	6	2400
	Blotting paper (nos.)	Nos.	20	5	100
	Cost of Consumables				5180
6	UPS-1KV	Nos	1	25000	25000
	Ceiling Fan	Nos	4	800	3200
	Tubelight/ bulbs	Nos	4	200	800
	Miscellaneous item, wiring and fittings etc.	LS			2580
	Cost of Electricals				31580
	Total				500000

ERI SEED SECTOR

i) Support for Castor/ Tapioca cultivators with Startup Tools

Castor and Tapioca are cultivated in large areas in Gujarat , Maharashtra , Andhra Pradesh, Tamil Nadu, Karnataka, Madhya Pradesh, Uttar Pradesh, Orissa, Rajasthan, Uttaranchal and North Eastern states as a regular agricultural crop for oil seeds / tuber yield. Castor and Tapioca foliage is also utilized for rearing of Eri silkworm and production of Eri silk, besides Kesseru and Payam, the primary food plants. Utilization of 25-30% of the foliage from Castor and Tapioca plantation does not affect yield of oil seed / tubers. Accordingly, during X plan, a big demand was received from the above states for providing support to Castor/ Tapioca farmers for conducting Eri silkworm rearing, which increases income of the farmers without any substantial inputs. It is therefore proposed to assist SHGs/Individual Castor / Tapioca farmers who cultivate Castor / Tapioca crops for oil seed / tuber yield for production of Eri cocoons by utilizing 25-30 % of foliage.

Under this scheme, each SHGs/Individuals having a minimum of 0.5 acres of Castor/ Tapioca plantations shall be assisted with a unit cost of Rs 1,050/- only for rearing tool kits to conducting rearing of about 50 dfls / crop. However, the scheme shall have flexibility and the assistance towards tool kits shall be proportionately enhanced as per the availability of Castor/ Tapioca plantation and rearing capacity of the farmer. 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 details of unit cost are given at **Annexure- III**. 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.
125000 Half Acre units	1050	60%	20%	20%	80%	10%	10%
		630	210	210	840	105	105

ii) Augmentation of perennial Eri food plants with supply of Startup Tools

The scheme envisages to assist SHGs/Individual farmers to raise both 1.00 acre and 0.5 acre of perennial systematic Eri block plantation of Payam/ Kesseru at 3 x 3 Mt. spacing covering 450 nos. and 225 nos. of Kesseru\ Payam per 1.00 acre/ 0.5 acre respectively. The required seedling/ saplings of 500 nos. and 250 nos (Payam / Kesseru with 10% Post plantation mortality) per 1.00 acre and 0.5 acre respectively will be supplied by the Implementing Agency (IA). Each SHGs/Individuals will be assisted with plantation development cost.

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 a particular cluster within the unit cost of Rs 10,000/-. Assistance towards land development, seedling/ cuttings costs, inputs and maintenance cost under cultivation components shall be extended to farmers in North Eastern states who are new and selected to take up Kesseru / Payam plantation during XI Plan. Such farmers shall also be assisted with start up tool in third year for conducting Eri rearing after taking into account the condition of plantations. However, no cost towards inputs for cost of seedling/ cuttings, land development, maintenance etc shall be provided to the farmers who have already raised systematic plantation, but such farmers shall be supported with start up tools only.

The above assistance pattern shall be reduced on prorata basis in case farmers take up Eri-culture in 0.5 acre in case of North East and hilly regions of other states. Since the scheme is mainly meant for Special Status States, the cost is proposed to be shared by CSB, State and Beneficiary at 80:10:10 respectively.

The details of unit cost are given at **Annexure- IV**. The physical target, unit cost and sharing pattern are indicated below.

Physical target	Unit cost (Rs.)	Sharing pattern		
		Special Status States		
		CSB	State	Benef.
11850 Acres	10,000	80%	10%	10%
		630	210	210

iii) Construction of Rearing houses.

To ensure hygienic conditions and prevent contamination during Silkworm rearing, construction of separate Silkworm rearing house is very essential. It is proposed to provide rearing house to Eri farmers during XI plan. A layout plan of model rearing house to conduct rearing of 100 dfls, in each crop annexed at **Annexure-V**. The IA in consultation with CSB shall workout the type / design of rearing house considering locally available material and depending upon the specific need of the beneficiaries in the cluster. The IA shall ensure that the assistance for constructing the rearing house shall be provided to the beneficiary only after ascertaining that the beneficiary has raised the require no. of Kesseru / Payam plants. In case of castor/ tapioca cultivators, assistance for rearing house shall be provided with an agreement that beneficiary shall continue Ericulture for a minimum period of 5 years. The assistance is proposed to 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 details of unit cost are given at **Annexure-V**. 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.
		60%	20%	20%	80%	10%	10%
2081 Nos.	50000	30000	10000	10000	40000	5000	5000

Annexure- III

Support for Castor/ Tapioca Cultivators with Start up Tools

(All States across the country)

Model I : Castor /Tapioca (0.5 Acre Plantation)

Maximum Rearing Capacity :100 dfls/ year (25 dfls/ crop)

S.N.	Particulars	Unit	Quantity	Rate	Rs. Amount
1	Cost of Start up tools				
	Rearing Platform (Bamboo/ Wooden)	No.	1	450	450
	Rearing Trays (Bamboo)	No.	2	50	100
	Plastic Mountage/ Chandrike	No.	8	50	400
	Plastic Basin (nos.)	LS	-	-	50
	Disinfectants	Kg	10		50
	Cost of Start up tools				1050

Annexure- IV

Augmentation of Eri Food Plants with supply of Start up Tools

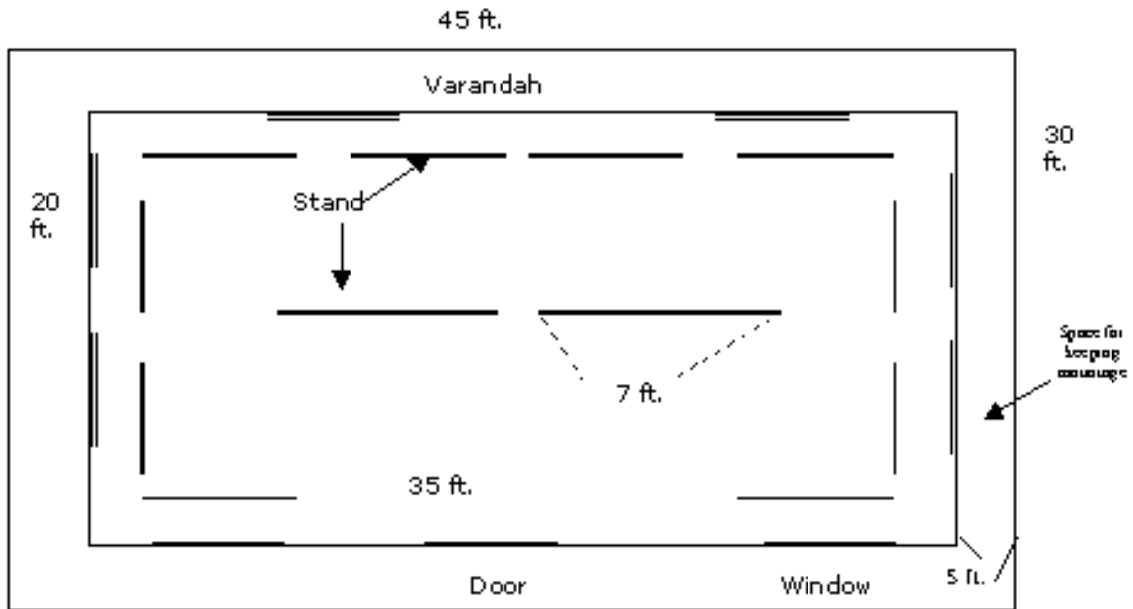
(Only for North Eastern States and Govt. Seed farms in other States)

Model II - Kesseru / Payam /Ailenthus (1.0 Acre of plantation)

Maximum Rearing Capacity : 400 dfls/ year (100 dfls/ crop)

Spacing : 3 x 3 Mtrs					Rs.
S.N.	Particulars	Unit	Quantity	Rate	Amount
1	Land Development Cost	Hrs	3	200	600
	Pit Digging (450 pits)	Mandays	15	80	1200
Cost of land Development					1800
2	Cost of Seedlings	Nos.	500	2.5	1250
	Transplantation of seedlings	Mandays	4	80	320
Cost of seedlings and transplantation					1570
3	Cost of Inputs				
	Urea (Kg.)		110	6	660
	SSP (Kg.)		190	5	950
	MOP (Kg.)		20	6	120
	FYM/ Compost	Cft	225	4	900
	Application of inputs, cultural operations & Watering of Seedlings etc.	Mandays	4	80	320
Cost of Inputs					2950
4 Maintenance cost					
Maintenance Cost for two years			900	2.5	2250
5	Cost of Start up tools				
	Rearing Platform (Bamboo)	No.	2	300	600
	Bamboo (Chawkie) Rearing Trays -	No.	4	45	180
	Plastic Mountage/ Chandrike	No.	12	55	660
Cost of Start up tools					1440
Total (1 to 5)					10010
Say					10000

CONSTRUCTION OF ERI REARING HOUSE



LAYOUT PLAN OF ERI REARING HOUSE (100 DFLS CAPACITY)

SPECIFICATIONS

1. Rearing capacity : 100 dfls
2. Size : 35 ft x 20 ft x 10 ft with 5 ft Varandah all around the house
3. Plinth height : 2.5 ft.
4. Roof : Thatch made
5. Post : Wooden and bamboo
6. Wall : Bamboo with mud plastering
7. No. of door : 1 No. (6 ft. x 3.5 ft. wooden make)
8. No. of widow : 8 Nos. (4 ft. x 3 ft. bamboo make)

Unit Cost for construction of Eri Rearing House (100 Dfls capacity)

Sl. No.	Materials	Specifications	Quantity	Rate (Rs.)	Amount (Rs.)
1	Wooden Post	20 Ft.	2 Nos.	825	1,650
		16 Ft.	16 Nos.	450	7,200
2	Jati Bamboo	Matured Full length Bamboo	300 Nos.	40	12,000
3	Bhaluka Bamboo		10 Nos.	75	750
4	Thatch Grass	1 Bundle	1700 Bundles	8	13,600
5	Door	Wooden make	1 No.	5000	5,000
6	Labour Charges		75 man days	115 per day	8,625
7	Misc. Expenses (Rope, Gal, Wire etc.)				1,200
TOTAL					50,025

or Rounded-Off to Rs.50,000/-