

GUIDELINES OF THE STATE PLAN SCHEME
“PROMOTION OF SERICULTURE INDUSTRIES”

1. Introduction:

Silk is regarded as the “Queen of Textiles” and has a pride place in Indian households. It is one of the natural textile fiber symbolizing purity, prosperity, ethnicity and tradition. Silk fabrics and dress materials are widely used on social, spiritual and festive occasions. Silk has been woven into fabrics of beauty and excellence. There is increasing demand on silk both at national and international level due to its eco-friendly nature. Sericulture includes plantation of the host plant, rearing of the silkworms, and extraction of the silk yarn from the cocoon, weaving of the fabric and marketing. The cocoon production, reeling of yarn and weaving of fabric are livelihood of poor people but the finished product is used by the rich. Sericulture arrests migration of rural work force to urban areas and helps in circulation of wealth from rich to poor. The State has a demand of about 250MT of raw silk annually for about 4335 handlooms engaged in silk weaving whereas present silk production in the state is around 50MT.

There are 4 types of silk cultivated in India such as Mulberry (*Bombyx mori*), Tasar (*Antheraea paphia*), Eri (*Samia ricini*) & Muga. In Orissa Mulberry, Tasar and Eri are cultivated. Tasar is very old and traditional and mostly cultivated in the natural forest by the tribal people. Orissa is the 3rd largest tasar producing State in the country. Eri is also very old and mostly cultivated by the women and weaker sections of the society. Mulberry cultivation is nontraditional in the State. Sericulture is a highly labour intensive agro based livelihood activity that goes around the year and provides remunerative income to the farmers belonging to ST, SC and women. About 15000 traditional families involving one lakh people actively practise sericulture in Orissa. It provides indirect employment to equal number of reelers, spinners and weavers. Around 12000 hectares of land in the State is under seri farming. About 90% of the farmers practicing sericulture belong to ST, 6% SC & 4% OC. In Orissa, sericulture is practised as a sustainable livelihood activity by about 15000 traditional families in 22 districts, mostly tribal dominated districts, of Mayurbhanj, Balasore, Keonjhar, Sundergarh, Jajpur, Deogarh, Sambalpur, Kandhamal, Rayagada, Koraput, Gajapati, Kalahandi, Nuapada, Dhenkanal, Anugul, Jajpur, Cuttack, Kendrapara, Jagatsinghpur, Khurda, Nayagarh & Nawarangapur etc.

2. Objective of the Scheme:

In Orissa during XI th plan period developmental steps will be taken up with the objective of improving the quality of life and standard of living of the rural poor by providing sustainable livelihood activity through sericulture. Considerable efforts would be made to fulfill the demand supply gap and to create a scope for production of high quality raw materials and to generate employment opportunities with sustainability for generation of income leading to poverty alleviation. Focus will be given to intensify beneficiary mobilization for better absorption of technology, extension services and benefiting from market interface. Sericulture programme in the state will be further expanded and implemented on cluster basis, micro projects and change in methodology in order to double the production of silk in coming five years.

168 State Govt and cooperative units will be further strengthened, renovated and maintained for promotion of sericulture activities in the State. Assistance will be provided to poor ST, SC, BPL farmers through quality linked price support system for marketing of cocoons and yarn by 97 primary cooperative societies and Serifed. To offer fair price to the farmers and to produce high quality raw silk post cocoon activity will be further strengthened. Various activities on training, research, awareness etc will also be implemented.

3. Component of the Scheme During Xth Plan:

During 10th Plan the Scheme *Promotion of Seri Industries* had 9 components as follows:

- a. Assistance for Preparation & distribution of chawki worms to rearers.
- b. Mass Disinfection of rearing house & equipments.
- c. Study tour & training.
- d. Publicity & Propaganda.
- e. Supply of Mulberry cuttings & sapling to farmers.
- f. Maintenance of Mulberry extension service centers, Seed & Grainage units.
- g. Maintenance of Tasar Seed Multiplication Center, Seed & Grainage units.
- h. Silkworm Crop Insurance
- i. Assistance to Progressive farmers for Mulberry plantation & silkworm rearing.

4. Components of Scheme during XI Plan:

- a. Supply of cuttings, sapling and seedlings to farmers**
- b. Plantation including cost fencing & irrigation in community & private land**
- c. Construction of Rearing House & Supply of Rearing Equipments to farmers**

- d. Mass Disinfection of rearing house and equipments**
- e. Assistance for preparation and distribution of Chawki worm to rearers**
- f. Silkworm Crop Insurance**
- g. Incentive to Mulberry Cocoon Producer**
- h. Assistance to Progressive farmers for Mulberry plantation & silkworm rearing**
- i. Assistance for maintenance of plantation and silkworm rearing**
- j. Maintenance of, Seed & Grainage units**
- k. Assistance for establishment and maintenance of post cocoon units**
- l. Infrastructure Development , Renovation , Maintenance of Govt. unit, Primary Cooperative units, Tasar Godown, Amlan, SERIFED**
- m. Support for Marketing/Working capital/Allied marketing activities to primary and apex cooperatives for providing safety net to sericulture farmers.**
- n. Study tour, research, training**
- o. Publicity & Propaganda**
- p. Computerization of Directorate, Field establishment & Maintenance including Network Management, e – Governance & e- Marketing**

(A) Supply of cuttings, sapling and seedlings to farmers:

- (a) Description of the programme:** Mulberry plantation is raised through vegetative propagation by cuttings/saplings. High yielding mulberry varieties produce better leaf yield and income to the farmers. Since High yielding mulberry varieties are developed by the Central Sericultural Research Institutes of Central Silk Board, it is necessary to procure the same and popularize among the farmers for better income.
- (b) Objective of programme:** Mulberry plantation programme is new to the State. To encourage the rural & tribal people for mulberry plantation and silkworm rearing, high yielding variety mulberry cutting & sapling to be supplied to the farmers free of cost for generation of higher income.
- (c) Manner of implementation of programme:** High yielding mulberry varieties will be procured from Central Silk Board, Govt farms and from the farmers at the prevailing rate by payment of cost of cuttings. Besides transportation cost i.e from farmer's field to the nursery site/plantation site will be borne through the scheme. Expenditure towards raising

of saplings, its maintenance till transplantation and transportation cost from nursery bed to plantation site will also be borne under the scheme.

- (d) Implementing Agency:** Assistant Director of Sericulture.
- (e) Criteria for selection of Agencies:** The agencies will be selected by the Director of Textiles, Orissa
- (f) Nature of Assistance (Specify whether Grant/Subsidy or loan):** The assistance will be in the form of grant.
- (i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies.** Fund will be sanctioned as grant as per the annual action plan made at the Directorate of Textiles.
- (ii) Indicate mode of release of subsidy.** The grant will be released to Serified and to zonal ADS.
- (iii) Indicate certified document that Government can take in to account for release of subsidy.** Action plan prepared at the level of Director of Textiles, Orissa
- (iv) If loan is required, then indicate arrangement that is made for raising such loan.** No loan is required.
- (v) Indicate share of beneficiaries / implementing Agencies if any.** There will be no share of the beneficiaries/implementing agencies.

(B) Plantation including cost fencing & irrigation in community & private land

- (a) Description of the programme:** Plantation of host plants is the key ingredient for silk worm rearing. It is proposed to take-up asan & arjun plantation for Tasar cocoon production, castor & tapioca plantation for eri cocoon production & mulberry plantation for production of mulberry cocoons at beneficiary level. Appropriate measures through creation of fencing around the plantation field is essential to protect the plantation from cattle menace and damage. Production and productivity of mulberry field increases with provision of the irrigation facility.
- (b) Objective of programme:** The scheme envisages assisting of individual rearers/self help groups/NGOs to take up mulberry plantation for mulberry silkworm rearing, asan/arjun plantation for tasar silkworm rearing and castor and tapioca plantation for eri silkworm rearing.
- (c) Manner of implementation of programme:** Mulberry and tasar plantation can be taken up in private/ community patches /forest lands. Land size will be 1 acre per beneficiary in mulberry, 1 hectare per beneficiary in tasar and 0.5 acres per beneficiary in Eri. Assistance

for cost of plantation, fencing, irrigation, inputs & labour is to be provided as per schematic norms & guidelines.

- (d) Implementing Agency:** Assistant Director of Sericulture.
- (e) Criteria for selection of Agencies:** The agencies will be selected by the Director of Textiles, Orissa
- (f) Nature of Assistance (Specify whether Grant/Subsidy or loan):** The assistance will be in the form of subsidy.
- (i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies.** Fund will be sanctioned as subsidy as per the annual action plan made at the Directorate of Textiles.
- (ii) Indicate mode of release of subsidy.** The subsidy will be released to zonal ADS.
- (iii) Indicate certified document that Government can take in to account for release of subsidy.** Action plan prepared at the level of Director of Textiles, Orissa
- (iv) If loan is required, then indicate arrangement that is made for raising such loan.** No loan is required.
- (v) Indicate share of beneficiaries / implementing Agencies if any.** There will be 25% share of the beneficiaries

(J) Construction of Rearing House & Supply of Rearing Equipments to farmers

- (a) Description of the programme:** In mulberry and eri sector, construction of separate silkworm rearing house is very essential in order to ensure hygienic conditions and prevent contamination during silkworm rearing. Rearing of bivoltine silkworm requires modern rearing equipments such as rotary mountages, farm machinery and shoot rearing rack etc. In tasar sector, cocoon storage house is essential to store the cocoons for sale to the reelers in appropriate market price rather than during the harvesting seasons when cocoon price falls down due to arrival of large quantity of commercial cocoons resulting distress sale by the farmers. Moreover tasar rearers need small rearing shed, rain coat, gum boot, torch and rearing equipments since tasar silkworm rearing is an outdoor activity inside forest. Since tasar, mulberry & eri farmers belong to poor SC / ST / OBC/ BPL category and have no means to construct rearing house and purchase rearing equipments, it is proposed to provide assistance to the farmers for construction of rearing house/ cocoon storage house/rearing shed & purchase of rearing equipments etc.

- (b) Objective of programme:** The objective of the scheme is to assist the sericulture farmers for construction of rearing house/ cocoon storage house/rearing shed & purchase of rearing equipments etc.
- (c) Manner of implementation of programme:** Tasar, mulberry and eri farmers will be assisted for construction of rearing house/ cocoon storage house/rearing shed & purchase of rearing equipments etc. as per the plan estimate approved by the Director of Textiles
- (d) Implementing Agency:** Assistant Director of Sericulture.
- (e) Criteria for selection of Agencies:** The agencies will be selected by the Director of Textiles, Orissa
- (f) Nature of Assistance (Specify whether Grant/Subsidy or loan):** The assistance will be in the form of subsidy.
- (i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies.** Fund will be sanctioned as subsidy as per the annual action plan made at the Directorate of Textiles.
- (ii) Indicate mode of release of subsidy.** The subsidy will be released to zonal ADS.
- (iii)Indicate certified document that Government can take in to account for release of subsidy.** Action plan prepared at the level of Director of Textiles, Orissa
- (iv) If loan is required, then indicate arrangement that is made for raising such loan.** No loan is required.
- (v)Indicate share of beneficiaries / implementing Agencies if any.** There will be 25% share of the beneficiaries

(A) Assistance for preparation and distribution of Chawki worm to rearers

- (a) Description of the programme:** Rearing of silkworm takes about 25-30 days from hatching of eggs to cocoon formation. Proper incubation of silkworm eggs and rearing of young age silkworms up to 2nd instar (for 10-12 days) are very crucial phase which require utmost care and precautions. Improper handling of silkworm eggs during incubation and young age silkworm rearing bring about huge crop loss, failures and out break of diseases. Maintenance of photoperiod, temperature and humidity during incubation and young age silkworm rearing plays pivotal role in the crop performance. Improper handling and feeding of the young age silkworm larvae also affects the production and productivity. Usually

- the farmers are not able to take proper care and precautions and follow the technology involved during incubation and young age silkworm rearing which result in out break of diseases, failures and crop loss. In order to check damage and crop loss incubation and young age silkworm rearing is usually done departmentally in organized chawki centers by base level staff and progressive farmers under the supervision of well qualified technical personnel.
- (b) **Objective of programme:** The object of the programme is to maintain the chawki rearing centers along with the Chawki gardens and to take up young age silkworm rearing for 10-12 days after egg incubation and hatching at MESCS / CRC level and distribute the same among the silkworm rearers for late age rearing and production of cocoons of high yielding varieties. Progressive farmers will also be assisted under the programme to take up chawki rearing.
- (c) **Manner of implementation of programme:** Chawki rearing centers and Chawki gardens will be maintained. High Yielding Variety of silkworm disease free eggs will be procured from State and Central Silk Board units and will be properly incubated for hatching. The hatchlings will be reared up to 2nd instar for 10-12 days and to be supplied to the poor rearers and BPL category farmers. The cost of silkworm eggs will be paid by the rearers and the cost of young age silkworm rearing will be borne by the Govt.
- (d) **Implementing Agency:** State Govt. units such as MESCS, CRC, Cooperative Societies such as TRCS, MRCS, ERCS, ericenters and Progressive farmers will be the implementing agency.
- (e) **Criteria for selection of Agencies:** The agencies will be selected by the concerned ADS of the Zone as per the annual action plan decided at the State level for that zone.
- (f) **Nature of Assistance (Specify whether Grant/Subsidy or loan):** The assistance will be in the form of grant.
- (i) **If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies.** Re 1.0 will be sanctioned as grant per Dfl for incubation and young age silkworm rearing up to the 2nd instar.
- (ii) **Indicate mode of release of subsidy.** The grant will be released to the field functionaries through the concerned ADS of the zone.

- (iii) **Indicate certified document that Government can take in to account for release of subsidy.** Extract of the annual action plan finalized at the level of the Director of Textiles, Orissa for different zones for silkworm rearing.
- (iv) **If loan is required, then indicate arrangement that is made for raising such loan.** No loan is required.
- (v) **Indicate share of beneficiaries / implementing Agencies if any.** There will be no share of the beneficiaries/implementing agencies.

(B) Mass Disinfection of rearing house and equipments:

(a) Description of the programme: Silkworm is a very tender animal. It is very easily attacked by different types of microbes such as bacteria, virus, fungus etc. causing serious diseases which results in crop loss and failures. There are no medicines developed for the silkworms for different types of diseases. Therefore preventive measures are usually taken through disinfection of the rearing houses and equipments to provide a germ free environment for the silkworm rearing.

(b) Objective of programme: The object of the programme is to provide disinfectants like Vjetha, Sanitech, Bleaching Powder and Resham Keeta Ousadha etc. to the rearers for disinfection of rearing house, rearing equipments prior to rearing of Dfls and bed disinfectants during rearing of the silkworm.

(c) Manner of implementation of programme: The disinfectants such as Vjetha, Sanitech, Bleaching Powder and Resham Keeta Ousadha etc will be procured Centrally and will be distributed to the beneficiaries through ADS of the

concerned

Zone. The cost of disinfectants will be paid by the Govt. and the wages for Disinfection of the rearing house and rearing equipments will be borne by the beneficiaries.

(d) Implementing Agency: Cooperative Societies such as TRCS, MRCS, ERCS will be the implementing agency.

(e) Criteria for selection of Agencies: The agencies will be selected by the concerned ADS of the Zone as per the annual action plan decided at the State level for that zone.

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies: Fund will be sanctioned as grant for purchase of disinfectants as per actual.

(ii) Indicate mode of release of subsidy. The grant will be released to Serified for central purchase of disinfectants.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Requisitions from different ADS zone received at the Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. Labour wages for disinfection will be borne by the beneficiaries.

(C) Study tour, Research & training

(a) Description of the programme: Study tour & training is an important factor for extension of sericulture programme in the State. Study tour & training is required for the farmers, technical officers & staff etc. to know the better technology adopted by Central Silk Board and other States for sericulture development. . Exposure of the farmers to regular study tour and training will help in successful adoption of modern technologies. Entrepreneur Development Programme (EDP) and regular exposure visits of farmers inside outside the State is considered beneficial for infusion of modern technologies in them. Involvement of farmers' cooperatives and self-help groups and NGOs etc. at village level will increase the group extension activities. Trainers training programme is also considered vital for developing sericulture in the state.

Production and productivity of the sericulture farmers in the state are low because of lack of improved technology. There is need of further of research, training and development strategies. Region specific, season specific, disease resistant indigenous and exotic high yielding varieties of food plants and silkworms need to developed. Improved technology solutions need popularisation Crop plan and calendar of activities need to be prepared basing upon soil type, fertility, precipitation and irrigation facilities. Testing and amelioration of soil is necessary. Use of organic manure / compost, green manuring, vermi-compost and intercropping are to be encouraged to avoid ill effects of inorganic fertilizers.

b) Objective of programme: Regular research, trainers' training programme and training for the farmers on plantation, crop protection, agronomical practices, grainage and seed, chawki rearing, disinfection, old age rearing, harvesting, marketing of cocoon, production

and productivity etc will be organized. Training on reeling, spinning will be imparted to the reelers. Farmers and staff will proceed on exposure visits to important sericulture clusters in the country to gather first hand information which will increase their knowledge and skill.

(c) Manner of implementation of programme Regular research, study tour, training and exposure visit for farmers and staff will be organized in a systematic manner in all mulberry, tasar & eri sector and on post cocoon technology. Entrepreneur Development Programme (EDP) will also be organised as per specific need. The fund may be sanctioned as grant.

(d) Implementing Agency: Directorate of Textiles, Serifed and Asst. Director sericulture will be the implementing agency.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as grant.

(ii) Indicate mode of release of subsidy. The grant will be released to Serifed and to ADS of different zone.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be no share of the beneficiaries/implementing agencies.

(D) Publicity & Propaganda

(a) Description of the programme: Creation of awareness through Publicity & Propaganda regarding benefit of sericulture will create interest among the farmers to take up sericulture as a sustainable livelihood activity for income generation.

Awareness programmes like exhibition / chasimela at village/grampanchayat/block/district level; workshops/seminars at district and state level; farmers meet/demonstration camps will help in publicity & propaganda of sericulture programmes among the people for adoption of the programme.

Publication and purchase of books, journals, technical compendium, booklets,

pamphlets, leaflets, wall posters documentary films etc will be made for dissemination of knowledge and to popularize sericulture among the farmers.

(b) Objective of programme: The objective of the scheme is to create awareness among the farmers regarding benefit of sericulture. The objective is also to popularize the new technologies for wider adoption in the field. Technical books, journals, compendium, booklets, pamphlets, leaflets, wall posters documentary films etc will be printed/purchased for distribution among the farmers and technical staff. This will be helpful to acquire knowledge on Technology upgradation and skill improvement and will be helpful for its dissemination at farmer's level to increase their production, productivity & income.

(c) Manner of implementation of programme: Awareness programmes / chasimela / farmers meet / demonstration camps etc will be organized at village, block, district level by the ADS of the concerned zone through MDFs, PPCs TRCS, MRCS, ERCS, Eri centers NGOs and SHGs etc. State level workshop on sericulture management will be organized by Serifed to discuss various issues and to find out solutions. Technical books, journals, compendium, booklets, pamphlets, leaflets, wall posters, technical meeting proceedings, project reports documentary films etc will be printed / purchased as per need by Serifed /zonal/divisional / Directorate level. The fund required will be sanctioned as grant.

(d) Implementing Agency: Directorate of Textiles, Serifed and Zonal ADS and Divisional DDS will be the implementing agency.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as grant as required.

(ii) Indicate mode of release of subsidy. The grant will be released to Serifed and to zonal ADS/divisional DDS.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be no share of the beneficiaries/implementing agencies.

(F) Maintenance of Seed , Grainage Units:

a) Description of the programme: Availability of disease free, high yielding silkworm seed is the most important requirement for a successful crop and higher income. Adequate infrastructure, technology, skill and investment is required for production of quality silkworm seed. Sufficient knowledge and experience is also necessary for selection, rearing, hybridization and handling of the pure silkworm breeds and for their multiplication. Nuclear and basic silkworm seed is usually not produced in private sector as it involves higher technology and inputs. Hence it is also necessary to maintain seed farms/grainage units/ in Tasar, mulberry and eri sector.

(b) Objective of programme: To provide qualitative, high yielding silkworm seed to the tasar, mulberry and eri farmers of the state on subsidized rate.

(c) Manner of implementation of programme: Infrastructure and equipments in seed and grainage units in tasar, mulberry and eri are to be maintained for production seed cocoons. As per necessity buildings will be constructed new or renovated. Equipments will be repaired, maintained or newly to be purchased as per need. In mulberry sector, mulberry demonstration farms (MDF)/P-1 stations along with the mulberry garden will be maintained and p-1 silkworm rearing will be taken up. Seed cocoons will be preserved, processed and hybrid mulberry silkworm eggs will be produced and examined in F-1 grainage. The disease free layings will be preserved in the cold storage for use by the farmers in appropriate time. In Tasar sector, plantations will be maintained in Pilot project centers (ppc)/seed stations(Tss). Nuclear dfls will be reared by the seed rearers for production of seed cocoons. The seed cocoons so produced will be purchased, preserved and processed in the grainage for production basic dfls. Basic dfls will be supplied to the seed rearers for production of seed cocoons. The seed cocoons will be preserved and processed in the seed multiplication centers/private grainages for production of commercial dfls. In eri sector castor/tapioca plantation will be raised and maintained in eri seed stations/units. Basic eri dfls will be reared for production of seed cocoons. The seed cocoons so produced will be preserved and processed in the grainage for production of commercial dfls and supply to the farmers. The cost will be paid for

maintenance of plantation, infrastructure, seed cocoon procurement, grainage operation as well as for procurement of equipments, chemicals etc. annually.

(d) Implementing Agency: Assistant Director of Sericulture.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as grant as per the annual action plan made at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The grant will be released to to zonal ADS.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be no share of the beneficiaries/implementing agencies.

(G) Silkworm Crop Insurance:

(a) Description of the programme: Silkworm crop is exposed to different natural hazards like rain, sun, cyclone, flood, diseases, predators and pests. Hence, insurance of silkworm crop is necessary. Tasar silkworm farmers rear the silkworm in the midst of deep forest away from their home and are subjected to risk of accidental injuries/death like snake bite, falling from trees and attack by wild animals etc. So insurance for personal accident is necessary. During silkworm rearing the rearers are exposed to outside environment and chemicals etc resulting health hazards. As such the sericulture farmers need insurance against crop loss, personal accident and health hazards etc. Insurance for the rearing house, rearing equipments are also necessary. Since the sericulture farmers are poor ST/SC, BPL rural people, they are unable to pay the premium for the insurance. So assistance for payment of premium for the insurance is made under the scheme.

(b) Objective of programme: Objective of the scheme is to provide safety net to the farmers against crop loss, personal accident and health hazards etc. through insurance by assisting in payment of premium for the same.

(c) Manner of implementation of programme: Assistance will be given to the farmers for payment of premium to the insurance company based on quantity of dfls brushed. The same will be certified by the concerned field officer/ Sericulture Extension officer/Technical Inspector and communicated to the Insurance company through the district level officer(Asst. Director, Sericulture).Accordingly, premium will be deposited by the concerned field officer(beneficiary share 25% + Govt. share 75%)with Insurance company. Crop supervision will be made weekly and report thereon will be maintained at MRCS/TRCS/ERCS/Eri Centre level. In case of crop failure, the insurance company/authorized officer will be communicated instantly for spot verification and settlement of claims. The process will be repeated for each crop.

For personal accident coverage of Tasar farmers annul premium will be paid. As regards health insurance of sericulture farmers, first premium will be paid and claim will be settled by the insurance company based on the recommendation of the registered medical officer/practitioner.

(d) Implementing Agency: Assistant Director of Sericulture.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of subsidy.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as subsidy as per the annual action plan made at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The subsidy will be released to to zonal ADS.

(iii)Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v)Indicate share of beneficiaries / implementing Agencies if any. There will be 25% share of the beneficiaries.

(H)Assistance to Progressive farmers for development of Mulberry sericulture:

(a) Description of the programme: In Orissa mulberry sericulture is practiced by rural SC, ST, OBC, Women and poor people. Mulberry sericulture is an activity which

involves plantation of host plants, rearing of silk worm, construction of rearing house, supply of rearing equipments, reeling and spinning of cocoons, twisting & dyeing of yarn, weaving of fabric and marketing etc. The success of the sector depends on timely finance of all the components at a time. It is getting much difficult for successful implementation of the programme in view of lack of timely and adequate funding. This also acts as a bottleneck to induct more people in this avocation. Unless and until well to do farmers are attracted and practice mulberry sericulture, production and productivity will not increase substantially and raw silk requirement of the state could not be fulfilled. To provide and augment self employment, financial assistance is to be given to progressive Farmers / Entrepreneurs / Corporate farming / Contract farming / SHG, NGOs etc for plantation, rearing and reeling/spinning for development of infrastructure, machinery, equipment, working capital etc.

(b) Objective of programme: The aim and object of the programme is to attract progressive farmers/ Entrepreneurs / Corporate farming / Contract farming / SHG, NGOs etc by providing financial support for mulberry plantation and silkworm rearing and reeling/spinning for development of infrastructure, machinery, equipment, working capital etc. and to set examples for others to follow.

(c) Manner of implementation of programme: 50% of the project cost approved by the Director of Textiles will be subsidized under this scheme. Then subsidy amount will be released to the selected farmers on installment basis through the bank account basing upon progress of work. Beneficiary selection will be made by the zonal ADS and will be approved by the Director of Textiles.

(d) Implementing Agency: Assistant Director of Sericulture.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of subsidy.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as subsidy as per the annual action plan made at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The subsidy will be released to to zonal ADS.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be 50% share of the beneficiaries.

(I) Incentive for production of Bivoltine Mulberry Cocoon:

(a) Description of the programme: High quality Bivoltine cocoon is the raw material for production of high quality international grade raw silk. Rearing of bivoltine silkworm hybrids by the farmers involve higher investment, technology and risk. Harvesting, handling and transportation of bivoltine cocoons need immediate attention and care by the farmers for production of quality of raw silk. To support and encourage the farmers for bivoltine silkworm rearing little incentive is required. Hence incentive of Rs20 per Kg may be given to the farmers for production of high grade bivoltine mulberry cocoon in the state.

(b) Objective of programme: The object of the programme is to popularize bivoltine mulberry silkworm rearing among the farmers and to ensure production of high grade bivoltine mulberry raw silk in the state.

(c) Manner of implementation of programme: During purchase of cocoons by the MRCS from the bivoltine silkworm rearers incentive of Rs20per Kg of reelable cocoons will be paid to the farmers in addition to the actual cocoon cost.

(d) Implementing Agency: Assistant Director of Sericulture.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as grant as per the annual action plan made at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The grant will be released to to zonal ADS.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be no share of the beneficiaries/implementing agency.

(K) Assistance for maintenance of plantation and silkworm rearing

(a) Description of the programme: Tasar and mulberry plantation continues for 20-25 years where as eri food plant is annual. However both tasar and mulberry plantations need annual maintenance, cultural operation, application of inputs like manures and fertilizers. Plants also need protection from insects and pests. An integrated crop management system plays a pivotal role in sustainable production & productivity of cocoons and income generation of the farmers. Since tasar, mulberry & eri farmers belong to poor SC / ST / OBC/ BPL category and have no means to integrate and execute all the modern crop management systems, they need support and assistance. So it is proposed to provide assistance to the silkworm rearers for integrated crop management including cost of maintenance of plantation and inputs such as fertilizer, manure, pesticides, chemicals and disinfectants

(b) Objective of programme: Objective of the scheme is to assist the sericulture farmers for integrated crop management including cost of maintenance of plantation and inputs such as fertilizer, manure, pesticides, chemicals and disinfectants etc.

(c) Manner of implementation of programme: Tasar, mulberry and eri farmers will be assisted for integrated crop management including cost of maintenance of plantation and inputs such as fertilizer, manure, pesticides, chemicals and disinfectants etc. as per the guideline approved by the Director of Textiles

(d) Implementing Agency: Assistant Director of Sericulture.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of subsidy.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as subsidy as per the annual action plan made at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The subsidy will be released to zonal ADS.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be 50% share of the beneficiaries

(L) Assistance for establishment and maintenance of post cocoon units

(a) Description of the programme: Post cocoon management such as processing of cocoon and yarn is the weakest link in sericulture activities in Orissa. In Orissa processing of cocoons are practiced in a very crude method producing silk with minimum mechanization and practically no gadgets for quality control. Post cocoon activity include sorting, stifling, storing, reeling, spinning, twisting, wet processing, dyeing and weaving etc. These activities promote value addition to primary products i.e. cocoon and to generate employment in the secondary sectors. Assistance is necessary for establishment of private entrepreneurs in different post cocoon activity such as in reeling, spinning, twisting, dyeing and weaving. to accelerate technology transfer, inflow of capital and assured markets for cocoon, yarn and fabrics. Assistance is necessary for infrastructure, machineries, training and working capitals etc. Reeling, spinning and processing centers already established under cooperative fold need assistance for maintenance and renovation. Testing units for quality control of cocoon and grading of raw silk is to be established.

(b) Objective of programme: The objective of the scheme is to provide necessary financial assistance for establishment of private entrepreneurs in different post cocoon activity such as in reeling, spinning, twisting, dyeing and weaving for developing infrastructure, machineries, training and working capitals etc. Assistance will be given to the reeling, spinning and processing centers already established under TRCS/MRCS/Serifed for maintenance and renovation. Testing units for quality control of cocoon and grading of raw silk is to be established.

(c) Manner of implementation of programme: Private entrepreneurs will be assisted for establishment of different post cocoon units such as in reeling, spinning, twisting, dyeing and weaving towards developing infrastructure, machineries, training and working capitals etc. as per the guideline approved by the Director of Textiles

(d) Implementing Agency: Assistant Director of Sericulture/Serifed.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of subsidy.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as subsidy as per the plan programme made at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The subsidy will be released to zonal ADS/Serifed.

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. Loan may be required by the private entrepreneurs and they may avail such loan from the commercial banks.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be 50% share of the beneficiaries

(M) Computerization of Directorate, field establishment & maintenance including network management, e – governance & e- marketing

(a) Description of the programme: This is the age of computers and networking, e-governance & e-marketing. To keep pace with changing times and for faster delivery of works the office establishment at the Directorate and field offices is required to be computerized and is to be maintained. This will be helpful to improve the database and set up-to-date national & international information at doorstep, which will be helpful to officials & farmers for technology up gradation, production, productivity and for marketing of cocoon and raw silk.

(b) Objective of programme: Then objective of the scheme is to computerize the sericulture sector under Directorate of Textiles, Orissa and field establishments for better coordination and output. Computers will be purchased and maintained for network management, e-governance & e-marketing.

(c) Manner of implementation of programme: Tasar, mulberry and eri farmers will be assisted for integrated crop management including cost of maintenance of plantation and inputs such as fertilizer, manure, pesticides, chemicals and disinfectants etc. as per the guideline approved by the Director of Textiles

(d) Implementing Agency: Directorate of Textiles/Assistant Director of Sericulture/deputy Director sericulture/Serifed.

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as grant as per necessity made out at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The grant will be released to Directorate of Textiles/Zonal ADS/Divisional DDS/Serifed

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be no share of the beneficiaries

(N) Infrastructure development, renovation, maintenance of TRCS / MRCS / ERCS godowns, Amlan, SERIFED

(a) Description of the programme: In Orissa marketing of all the varieties of cocoon and yarn has been vested with 62 TRCS, 39 MRCS and 1 ERCS at the field level and SERIFED, the apex marketing federation at the State level. These cooperative organizations render marketing support to the farmers and reelers for disposing their produce conveniently at the remunerative prices. The cooperative societies have offices, godowns, seed multiplication centers and processing units at the field level in different districts for benefit of the poor SC/ST/BPL sericulture farmers. The cooperative societies used to keep a very nominal margin of profit in the marketing of cocoon and yarn and no profit in processing such as cocoon reeling and spinning. Hence the cooperative units do not have financial well being to take up different developmental activities such as for creation, renovation and maintenance of infrastructure and procurement of equipments. So financial assistance is necessary for the cooperative units to take up different developmental activities such as for creation, renovation and maintenance of community infrastructure and for procurement of equipments etc.

(b) Objective of programme: The community infrastructure development and renovation and procurement of equipments etc. of field units, Primary TRCS / MRCS/ERCS / Godown, Amlan & Serifed will be done on regular basis to augment the production, productivity and marketing of the tasar, mulberry, eri cocoons, raw silk & finished products.

(c) Manner of implementation of programme: Ideal platform basing on quality for buying and selling of cocoon, yarn and its byproducts through competitive process is to be promoted by the TRCS/MRCS/ERCS/SERIFED. Financial support will be provided to both the primary and apex organisation to render better marketing support to cocoon growers and reelers of the state and for fixation of minimum support price.

(d) Implementing Agency: TRCS/MRCS/ERCS/SERIFED

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as grant as per necessity made out at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The grant will be released to Zonal ADS/Serifed

(iii) Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v) Indicate share of beneficiaries / implementing Agencies if any. There will be no share of the beneficiaries

(O) Support for marketing/working capital/Allied marketing activities to primary and apex cooperatives for providing safety net to sericulture farmers.

(a) Description of the programme: Marketing support to the farmers and reelers for disposing their produce conveniently at the remunerative prices is one of the important areas identified. Quality linked pricing system is essential for qualitative productivity so that the the farmers/reelers are ensured of the remunerative prices for their produces. The scheme also envisages creation of non-erodable revolving fund facilitating marketing support to the farmers/reelers. This will act as a safety net by providing support price to farmers and save them from exploitation by middle men and avoid distress sale.

(b) Objective of programme: To create non-erodable revolving working capital fund of the primary & apex cooperatives for providing marketing support to the poor ST & SC

mulberry, tasar & eri farmers for marketing of cocoon, raw silk & finished products in the state.

(c) Manner of implementation of programme: Ideal platform basing on quality for buying and selling of cocoon, yarn and its byproducts through competitive process is to be promoted by the TRCS/MRCS/ERCS/SERIFED. Financial support will be provided to both the primary and apex organisation to render better marketing support to cocoon growers and reelers of the state and for fixation of minimum support price.

(d) Implementing Agency: TRCS/MRCS/ERCS/SERIFED

(e) Criteria for selection of Agencies: The agencies will be selected by the Director of Textiles, Orissa

(f) Nature of Assistance (Specify whether Grant/Subsidy or loan): The assistance will be in the form of grant.

(i) If Grant/Subsidy is required to be sanctioned, then furnish information such as basis or extent of subsidy will be released to implementing agencies. Fund will be sanctioned as grant as per necessity made out at the Directorate of Textiles.

(ii) Indicate mode of release of subsidy. The grant will be released to Zonal ADS/Serifed

(iii)Indicate certified document that Government can take in to account for release of subsidy. Action plan prepared at the level of Director of Textiles, Orissa

(iv) If loan is required, then indicate arrangement that is made for raising such loan. No loan is required.

(v)Indicate share of beneficiaries / implementing Agencies if any. There will be no share of the beneficiaries

5. Submission of Utilization Certificate:

Utilization Certificates for the funds released by the State Government through Textiles & handloom Department will be given by Directorate of Textiles to Government in prescribed proforma under OGFR. The physical progress report and Utilization Certificate will be given as per the stipulated time / period.

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