

CSB-CENTRAL SERICULTURAL RESEARCH & TRAINING INSTITUTE, PAMPORE**1. Organizational Set up**

Unit	Place
RSRS (2)	1) Miransahib (Jammu) 2) Sahaspur (Dehradun)
REC (3)	1) Lamberi, Jammu and Kashmir (UT) 2) Ghumarwin, Himachal Pradesh 3) Basti, Uttar Pradesh
P4-Basic Seed Farm (1)	1) Manasbal, Kashmir

2. R&D Projects, TOT, ECP, CBT etc:

Item	Target	Remarks
1. CSB coded Research projects		
1.1. With PI from the Institute		
1.1.1. On-going projects during the year 2024 -2025	6	Annex 3.I.1
1.1.2. Projects to be concluded during the year 2024-2025	1	Annex 3.I.2
1.1.3. New Projects to be initiated during the year 2024-2025	8	Annex 3.I.3
1.2. With CI from the Institute		
1.2.1. On-going projects during the year 2024-2025	6	Annex 3.I.4
1.2.2. Projects to be concluded during the year 2024-2025	2	Annex 3.I.5
1.2.3. New Projects to be initiated during the year 2024 -2025	-	Annex 3.I.6
2. Transfer of Technologies (ToTs)		
2.1 On Station Trials (OST)		Annex 3.II.1
2.1.1. No. of technologies to be validated	-	
2.1.2. No. of trials/locations to be covered	-	
2.2 On Farm Trials (OFT)		Annex 3.II.2
2.2.1. No. of technologies to be demonstrated	6	
2.2.2. No. of locations to be covered	13	
2.2.3. No. of stakeholders to be covered	128	
3. Capacity Building & Training (CBT)		Annex 3.III
3.1. No. of programmes to be conducted	43	

3.2. No. of stakeholders to be covered	915	
4. Extension Communication Programs (No.)		Annex 3.IV
4.1. Number of programmes to be conducted	64	
4.2. No of stakeholders to be covered	3300	
5. Soil analysis services provided		Annex 3.V
5.1. No. of states to be covered	4	
5.2. No. of samples to be analysed	155	
6. Information, Education & Communication		Annex 3.VI
6.1. Periodicals	-	
6.2. Publications	18	
6.3. Extension literature	-	
6.4. Films / Videos	-	
6.5. Social media	10	
7. Patents to be filed/ granted, technologies to be commercialized, Software, mobile/android app to be developed etc.	-	Annex 3.VII
8. Procurement of equipments & other accessories	267.38	Annex 3.VIII
9. Other activities (<i>pl specify</i>)	-	Annex 3. IX
10. Revenue to be generated (Rs. in Lakhs)	7.00	Annex 3. X

1. CSB coded Research projects

1.1. With PI from the Institute

Annex- 3.I.1

1.1.1. Ongoing projects during the year 2024-2025

(Rs. Lakhs)

Sl. No.	Code	Title	Start	End	Milestones to be crossed	Progress to be achieved	Budget allocation
At main institute							
1	AIB 03006 CI	Indo-Uzbekistan Collaborative Research Project on Improvement of Mulberry and Silkworm Breeding in Temperate Regions of India and Uzbekistan.	Aug 2020	Mar 2030	Breeding process using the selected breeding resource material identified for development of silkworm breeds with high silk content. Sapling transplantation and maintenance of plantation	Since for import of genetic material viz. mulberry cuttings and silkworm seed is subjected to the approval of National Biodiversity Authority Chennai. The approval with regard to exemption under section(5) of the Biological diversity act 2022 will be sought from the concern agency and import of materials will be carried out for post entry quarantine procedure in our country	10.00
2	PIC 03014 SI	Evolving superior mulberry varieties for temperate region through in vitro mutagenesis	June 2022	May 2027	Raising of mutant plantlets of mulberry	Treatment of callus with chemical mutagens and regeneration of shoot lets from callus and their rooting	1.00
3	PIE 03016 SIC	Primary Yield Trial of newly evolved mulberry hybrids under temperate conditions of Kashmir valley	Mar 2024	Feb 2028	Maintenance of nursery following intercultural operations	Nursery of short-listed progenies would be maintained	0.50
At nested units							
4	PIE 03009 SI	Evaluation of mulberry genotypes for improvement in	Dec 2021	Nov 2025	Evaluation of test genotypes for growth, yield, leaf quality and disease and pest incidence	Data recording on growth, yield, leaf quality and disease and pest incidence	5.05

		productivity and quality under sub-tropical conditions of Jammu					
5	PIB03 013SI	Development of high yielding quality mulberry (<i>Morus spp.</i>) genotypes under sub-tropical conditions of Northern India.	June 2022	May 2026	Studies on growth, yield, leaf quality and disease and pest incidence under PRT	Data recording on growth, yield, leaf quality and disease and pest incidence under PRT	1.20
6	PIE 03015 SIC	Evaluation of drought tolerant mulberry genotypes through preliminary yield trial for rainfed sericulture in Jammu region	Dec 2023	May 2027	Multiplication of test genotypes, transplanting and establishment in main field	Test genotypes will be multiplied by raising nursery, transplantation and establishment in main field for PYT	7.00 (5.00 lakhs for construction of rainout shelter)

Annex- 3.I.2**1.1.2. Projects to be concluded during the year 2024-2025****(Rs. Lakhs)**

Sl.No	Code	Title	Start	End	Progress output	Utility of out-put/ Impact on silk industry	Budget allocation
At main institute							
1	PIE 03012 SI	Evaluation of Mulberry Somatic Hybrids	Mar 2022	Feb 2025	Bioassay studies of testing genotypes Biochemical evaluation of testing genotypes Leaf yield and Yield attributing traits	Carrying of the bioassay studies, leaf yield and biochemical evaluation , of testing genotypes along with the control mulberry varieties	1.40
At nested units							
-	-	-	-	-	-	-	-

Annex- 3.I.3
(Rs. Lakhs)

1.1.3. New projects to be initiated (as new concept notes) during the year 2024 -2025

Sl. No.	Code	Title	Start	End	Objectives	Expected output	Budget allocation
At main institute							
1		Development of widely adapted bivoltine silkworm (<i>Bombyxmori</i> L.) hybrid through introgression of wild relative gene for sustainable silk productivity in North and North-West India	April 2024	Mar 2028	Collection, characterization and evaluation of land race & Pre-breeding for combining ability with elite breeders stocks Development of single & double hybrids (F9) and utilization of Bio-molecular tool for prediction of introgression of wild adaptive genes and its heritability status iii. OST evaluation of newly developed single & double hybrids in North & North-West India	Development of single & Double hybrids widely adapted and tolerant to biotic & abiotic stresses and sustainable cocoon yield with improved survival and productivity under farmer's condition in North & North west India.	23.00
2		Improvement of cocoon productivity through diffusion of technologies in temperate sericulture of J&K	2024	2026	To find out actual number of sericultural farmers having low productivity <25kg/100dfls. To ascertain their socio-economic status and factors responsible, SWOT analysis. To establish and recommend measures for uplifting their status and to bring low productive farmers at par with productive farmers by formulating a module.	By increasing low productive cocoon farmers, average productivity will increase and by increasing financial capacity socio economic status of the sericultural farmers will also be uplifted	22.70
3		Association of Morpho-physiological Traits in Sexual Variants of	2025	2027	To explore the association of Morpho-physiological traits in sexual variants of mulberry under Kashmir valley To detect G×E interaction and identification of mulberry accessions	Evolving sex specific mulberry varieties and stable cultivar option Based on trait specific expression Heterotic pooling of male and female cultivar option can be derived which substantially help in	6.00

		Mulberry in Kashmir valley			adaptable to Kashmir valley	breeding programme	
4		Studies on Carbon Sequestration in Mulberry cultivation under different climatic conditions	April 2025	Mar 2028	To assess carbon (C) dynamics in soil under different climatic conditions To evaluate different C pools and C cycling enzymes as effected by different methods of mulberry plantation Correlation between climatic variation with Mulberry leaf quality parameters	Soil carbon sequestration rates in surface and deep soil layers under Mulberry cultivation Relationships between carbon cycling enzymes with organic carbon sequestration as affected by climatic variations Impact of climatic variations in soil carbon accumulation and mulberry leaf quality. By the relation between climatic condition to C accumulation , required management practices can be suggested to field level to increase production of qualitative mulberry leaves By assessing C sequestration in different climatic region, we can generate carbon credit which can economically benefit the organisation	57.00
5		Investigation on Adaptation of <i>Bombyx mori</i> L. through Landscape Genomics: A Novel Study	2024	2027	To investigate the population structure of locally adapted indigenous silkworm races To study the genomic basis of local adaptation of native silkworm races by Genotype Environment Association (GEA) To predict the impact of important SNPs on amino acid changes affecting protein function	The information generated would be useful in the designing the breeding plans that may combine the high productivity of commercial races with the adaptive alleles found in native races. Prediction of the range/limits of an environmental variable in a genotype subset of the same species from SNPs associated with environment. Can improve rearing management decisions by predicting the performance of a genotype in a new environment.	~ 49 Lacs
6		Identification of Zn and Sulphur Solubilizing	January 2025	December ,202	Isolation of Zn and S solubilizing bacteria using required Medias. Identification and molecular	Isolation, characterization and mass multiplication of Zn and S solubilizing bacteria	20.50

		Bacteria: A Soil Reclamation Approach for Sustainable Sericulture in Kashmir Region		7	characterization of isolated Zn and S solubilizing microbes Mass multiplication and Pot studies of Zn and S solubilizing bacteria.		
7		Microbial Population Dynamics of Silkworm Gut: A Novel Study in the Kashmir Valley"	Jan 2025	Sep 2027	Isolation of microbes from silkworm gut. Identification and characterization of isolated microbes via molecular and biochemical studies. Mass multiplication and sub-culturing of beneficial Microbes.	Isolation of Silkworm gut microbial lines focus on silkworm digestion, nutrient metabolism, and health.	20.00
8		Sericin : Unlocking its potential as Cultural media formulations"	Jan 2025	Dec 2027	Identification of Sericin and its components a comparative studies with Agar medium (Biochemical, physical, melting point, boiling point, hysteresis). Studies related to preparation and isolation of nutrient media with sericin. Standardized the composition of cultural media and identification of microbes cultivation using media preparation.	Utilization of sericin as media preparation for isolation and identification of microbes	35.00
9		Modifications in Motorized Reeling cum Twisting Machine (MRTM) to minimize the breakage in silk yarn and get customize twist	2025	2027	Introduction of twin drive to get customized twist . Change full length building motion to ring frame cop building motion. Add traverse system before delivery roller, use of grooved delivery roller, counter ring rail weight by dead weight to make package without variation in lifting motor load.	Reduced breakage in package building zone. Reduced slippage between cots and delivery roller. Customized twisting by managing spindle speed independently without affect on delivery speed . Traverse before delivery system allow to use full length of cots in use and reduce localized wear and tear on roller and cots. Utilization of Outcome	7.00

						Unwinding will be easy with less breakage. Yarn with different twist level can be used for different end use products.	
At nested units							
10		Seri Tourism at P-4, Basic Seed Farm, Manasbal to Gurez Valley (Gilgit Sector) – An Ancient Silk Route of India	Mar 2024	2027	Awareness of Indian Sericulture through Seri-Tourism at P-4, BSF, Manasbal among National and international tourists.	It will help among all stakeholders to boost the knowledge of sericulture, which will immensely help indirectly/ directly sericulture industry of India.	54.00
11		Studies on Insect-pest complex and it's natural enemies of Mulberry in North-West India	Sep 2024	Sep 2027	Identification, Characterization of insect-pest complex of mulberry from North-West India Identification of natural enemies associated with insect-pest of mulberry Evaluation of efficiency of potential natural enemies associated with major insect-pest of mulberry	Comprehensive information of insect-pest diversity of mulberry plant and their associated natural enemies from North-West India Major /emerged pest /new record of insect-pest List of Predator and parasitoids associated with insect-pest Utilization of natural enemy as potential biocontrol agents	8.10 lakh
12		Antimicrobial activity of new botanicals for management of <i>Bm</i> NPV disease under North-West India	2024	2026	Screening the botanicals with antimicrobial principles against disease of <i>Bombyx mori</i> silkworm To separate and identify the antimicrobial compounds present in the botanicals To develop antimicrobial compound based nano formulation and its validation against <i>Bm</i> NPV disease	Usage of nano-composite (bed disinfectants) reduce the dosage Effective management of <i>Bm</i> NPV disease under silkworm rearing conditions	16.95
13		Development of cosmetic products from silkworm pupal	2024	2025	To extract and characterization of oil from spent silkworm pupae To produce cosmetic products from	The effective utilization of spent silkworm pupae oil for cosmetic product development Silkworm pupal oil can be served as	8.00

		oil			silkworm pupal oil and its characterization To evaluate the cosmetic product developed from silkworm pupal oil	naturally available antioxidant	
14		Profiling Transcriptome Variation in <i>Bombyx mori</i> during Spring vs. Autumn rearing under Subtropical condition	2024	2026	To investigate within breed Transcriptome Variation in SH6, NB4D2 and Nistari in Spring vs. Autumn Rearing To investigate between breed Transcriptome Variation in SH6, NB4D2 and Nistari in Spring vs. Autumn Rearing Investigation of Key Differentially Expressed Genes through Differential Expression Analysis	Identification of Differentially Expressed Genes (DEGs) Insights into Seasonal Regulation of Biological Processes Characterization of Seasonal Adaptation Mechanisms Discovery of Candidate Genes for Seasonal Traits Development of Season-Specific Sericulture Strategies	15.00

1.2. With CI from the Institute (Collaborative projects with other CSB institutes)

Annex- 3.I.4

1.2.1. Ongoing projects during the year 2024-2025

(Rs. Lakhs)

Sl. No.	Code	Title	Start	End	Milestones to be crossed	Progress to be achieved	Budget allocation
At main institute							
1	SIB-01038 MGC	Utilization of Japanese silkworm genetic resources for the development of productive bivoltine hybrids	Sep 2023	Nov 2024	Rearing of F2 generation dfls for breeding	Autumn, 2023 rearing was conducted for 4 breeds viz., NCO, NCD, OWO and OWD and dfls prepared for Spring, 2024.	13.00
2	AIB02 019MI	Development of bivoltine double hybrids suitable for different regions of India	June 2022	May 2025	Continuation of breeding population / lines, adhering to target traits. Separation of Segregant lines and further breeding process.	Continuation of breeding population/ lines during Spring, Summer and Autumn seasonal rearing of 2024.	5.42

3	ARE 01028 MI	Recommendations of novel fungicidal and insecticidal applications for mulberry	May 2022	April 2025	1. Silkworm bioassay with new insecticides during spring 2024 2. Identification of Best fungicides and insecticides 3. In-vitro analysis of new fungicides 4. To find out the LD50 values and safety period 5. Compilation of data and report submission	1. Silkworm bioassay with selected new insecticides would be conducted 2. In vitro analysis of fungicides with pathogen would be conducted 3. Best fungicides and insecticide would be identified 4. Safety period and LD50 of new chemicals would be identified 5. Compilation of data and report submission	3.00
4	MTS 13002 MI	Impact assessment of mulberry sericulture technologies in India	July 2022	June 2025	To create a protocol for maintaining the data-base of technologies developed by CSB R&D institutes and enlisting all the technological interventions along with the expected impact To understand the socio-economic aspects of the impact of sericulture technologies on Seri-farmers livelihood from different regions	Generation of crop wise data base with respect to technology intervention at GRLS Submission of compiled data to PI	6.75
5	MOE 02022 MIC	Vulnerability of Sericulture to Climate Change in India	Mar 2024	Aug 2026	Recruitment of project assistant Procurement of Tab Travelling cost for sample collection	Survey of sericulture area of North western India	3.00
6	PIE 13001 MI	All India Coordinated Experimental Trials for Mulberry (AICEM) Phase – IV	2019	Mar 2025	Pruning, maintenance and leaf harvest following the recommended cultural practices and schedules of the region Collection of data on leaf yield and other characters Collection of data on the incidence of pests and diseases Conducting bio-assay in spring and autumn using CSR2xCSR4 or zonal popular hybrid Compilation of data of all the four test sites	Maintenance of plantation as per advocated inter-cultural practices of respective test sites Data on leaf yield and yield attributing traits would be collected Silkworm bioassay with bivoltine double hybrid would e be conducted Preparation of final report	9.98

Annex- 3.I.5**1.2.2. Projects to be concluded during the year 2024-2025****(Rs. Lakhs)**

Sl.No.	Code	Title	Start	End	Progress output	Utility of out-put/ Impact on silk industry	Budget allocation
At main institute							
1	MTL 01025 MI	Life Cycle Assessment of Mulberry Silk: A National Assessment	Feb 22	Jan 25	The study aims to brand mulberry silk products as sustainable, guiding policymakers in creating region-specific policies to reduce environmental footprints and identify key mitigation practices.	This study seeks to mulberry silkworm products as sustainable and eco-friendly. Through inventory and NCP analysis, it evaluates environmental burdens, suggesting sustainable silk production. Valuable insights will guide policymakers in creating region-specific policies for reducing carbon, nitrogen, water, and energy footprints. Identifying alternative practices to mitigate these environmental impacts is also a key focus.	2024-25 budget: 11.30 Total budget: 25.35
At nested units							
2	MOE 02015 MI	Component II of OST project– Evaluation of high yielding and low temperature stress tolerance mulberry varieties C-01 & C-11	Feb 2022	Jan 2025	Studies on growth and yield traits in different seasons. Recording data on pest and diseases Silkworm bioassay of test genotypes	Data recording on growth and yield traits in different seasons. Conducting silkworm bioassay of test genotypes.	0.12

Annex- 3.I.6

1.2.3. New projects to be initiated during the year 2024-2025 -Nil**(Rs. Lakhs)****2. Transfer of Technologies (ToTs) Programmes to be taken up during the year 2024 -2025****Annex - 3.II.1****2.1. On Station Trials (for validation of technology at CSB institutes/ RSRs/ DoS unitsetc.)**

Sl. No	Name of the Technology	Unit Cost (Rs.)	At CSB institutes	RSRs	DOS Units	Total	Anticipated impact	Budget allocation(Rs. Lakhs)
-	-	-	-	-	-	-	-	-

Annex- 3.II.2**2.2. On Farm Trials (for demonstration of Technologies at farmers' level)****(Rs. Lakhs)**

Sl. No	Name of the Technology	Unit Cost (Rs.)	No. of locations	No. of stakeholders	Anticipated impact	Budget allocation
1	Shoot feeding technology	0.25	2	10	Alternative to tray rearing in Uttarakhand	2.5
2	Agro base model of mulberry plantation	0.40	2	10	Model of tree plantation at farmers level	4.00
3	MOE03010SI (Component–VII): On farm trial of <i>BmNPV</i> tolerant silkworm Hybrids in North and North West India. (Outcome of AIB -3569)	0.0	01	12	To popularizing the new developed <i>BmNPV</i> tolerant hybrid at farmers level in temperate and sub-tropical regions of North and North West India	0.00
4	Evaluation of nutrigenetically superior silkworm hybrids under sub-tropical conditions	1.00	2	24	Nutrigenetic silkworm hybrids	2.00
5	Evaluation of sustainable bivoltine silkworm double hybrid (BK20xBK7) suitable to North West India OFT-AIB03002SI	0.25	3	48	Sustainable bivoltine silkworm double hybrid BK20xBK7 suitable for North West India	1.00
6	Validation of high yielding bivoltineSilkworm(<i>Bombyxmori</i> L.) hybrids for temperate region of Jammu & Kashmir (AIB03004SI)	0.26	3	24	Silkworm hybrids for temperate region of Jammu and Kashmir	0.80
			13	128		10.3

Annex- 3. III

3. Capacity Building & Training programmes to be conducted during 2024 -2025

(Rs.in lakhs)

Sl. No.	Title of the training programme	Unit cost (Rs)	Target		
			No of programmes	No of stake holders	Budget proposed
3.1	Structured Training Course*				
3.1.1	PGDS	--	--	--	--
3.1.2	Intensive Sericulture Training	3.17	02	40	6.34
3.2	Farmers Skill Training	1.125	18	450	20.25
3.3	Exposure visit for technology awareness	--	--	--	--
3.4	Technology Orientation Programme	0.95	04	100	3.80
3.5	Sericulture Resource Centres (SRCs)	--	15	225	1.50
3.6	Training under Post Cocoon Sector**	0.90	03	75	2.70
3.7	Management Development Programme under STEP	1.25	1	25	1.25
3.8	Training for Adopted Seed Rearers (ASRs)	--	--	--	--
3.9	Training to Registered Seed Producers (RSPs)	--	--	--	--
3.10	Training on Seed Act	--	--	--	--
3.11	Other Need Based Training Programme	--	--	--	--
3.12	Non-CBT: Training programme funded by agencies other than CSB*	Demand Driven	--	--	--
3.12.1		--	--	--	--
3.12.2		--	--	--	--
3.13	Training under SAMARTH ***				
3.13.1	Pre-cocoon (Silkworm rearing)	--	--	--	
3.13.2	Post cocoon – Silk (Reeling, Spinning, Wet processing)	--	--	--	
3.13.3	Post cocoon – Handloom (Designing & Weaving)	--	--	--	
	Total	--	43	915	35.84

* Pl specify the details, ** Name of training with duration, *** only NSQF aligned courses

Annex- 3. IV**4. Extension Communication Programmes to be conducted during 2024-2025****(Rs. In lakhs)**

Sl. No	Programmes	Unit cost (Rs.)	Target		
			No of programmes	No of stakeholders	Budget allocation
4.1	Krishi Mela/ Reelers mela cum exhibition	3.00/1-50	03	800	6.00
4.2	Farmers Field day	0.07	20	1000	1.40
4.3	Awareness programme	0.05	20	1000	1.00
4.4	Technology demonstration / Enlightenment programmes	0.01	20	400	0.20
4.5	Workshop/ Seminars & Conferences	2.00	01	100	2.0
4.6	Other activities	-	40	380	-
	Total	--	64	3300	10.60

Annex-3.V**5. Soil samples to be tested/analyzed during the year 2024-2025**

#	State	Target	
		Physical (No)	Budget allocation (Rs in Lakhs)
5.1	Jammu and Kashmir	30	01.00
5.2	Uttarakhand	50	0.20
5.3	Himachal Pradesh	-	-
5.4	Uttar Pradesh	50	0.20
5.5	Haryana	25	0.10

Annex-3.VI**6. Information, Education and Communication-2024-2025**

Sl. No.	Item	Target (No.)	
		Physical (No)	Budget allocation (Rs. In lakhs)
6.1	Periodicals		
6.2	Publications	18	
6.2.1	Research papers-National	04	0.10
6.2.2	Research papers-International	03	0.20
6.2.3	Proceedings/ Abstracts	04	0.05
6.2.4	Books/ Book Chapters/ Mannuals etc.	01	0.05
6.2.5	Popular Articles	03	0.015
6.2.6	Booklets, Brochures etc.	03	0.70
6.3	Extension literature		
6.4	Films/ Videos	2	1.00
6.5	Social media	10	
Total		28	2.115

Annex-3.VII**7. Technology to be filed for Patent /grant of patent, technologies to be Commercialized/ Products to be Developed during 2024-2025**

Sl. No.	Item	Patent No., Date of filing patent by NRDC, Technology commercialised to & Date of licence.	Target	
			Physical (No)	Budget allocation (Rs. In lakhs)
7.1	Patents filed	-	-	-
7.2	Patents granted	-	-	-
7.3	Technologies commercialized	-	-	-
7.4	Android/mobile app, software developed etc.	-	-	-

Annex-3.VIII**8.Procurement of equipments and other accessories proposed for the year 2024-2025****1) BULDING AND ORIGINAL WORKS FOR THE YEAR 2024-25 :**

A. RSRS, SAHASPUR				
	Name of Construction work	Justification	Quantity	Amount
1	Repairing of old grainage building & farm house building for training purpose	To create proper training facilities at RSRS Sahaspur because it is difficult to conduct future training programme without proper training facility at RSRS Sahaspur for sub tropical North India	1	85.00
2	Repair and renovation of main administrative building of RSRS Sahaspur	Main administrative building of RSRS Sahaspur needs urgent renovations and repairing painting etc.	1	50.00
			Sub Total (A)	135.00
B. P-4, Basic Seed Farm, CSB, Manasbal				
	Name of Construction work	Justification	Quantity	Amount
1	Furnishing the rooms	To keep office and other rooms clean and in hygiene condition	05 rooms	0.50
2	Beautification of Main Gate	To upgrade the gate for Seri-Tourism	1	0.50
3	Hoardings in Campus with light	To upgrade the station for Seri-Tourism	4	0.60
4	Rice Thatch based shades	For Seri-Tourism	4	1.00
5	Toilets cum washroom	Required for Field and staff	02	1.00
6	Insect Cabinet Mobile Racking System	For museum under Seri-Tourism	01	5.50
			Sub Total (B)	9.10
C. RSRS, Jammu				
	Name of Construction work	Justification	Quantity	Amount
1	Construction of rainout shelter	under PIE03015SIC	01	5.00
2	Street light poles with solar panels	For office use	20	2.00
			Sub Total (C)	7.00

GRAND TOTAL Rs. 151.10 LAKH

2): TOOL PLANT MACHINERY FOR THE YEAR 2024-25:-

A. CSR&TI, Pampore				
	Name of Assets items	Justification	Quantity	Amount
1	Green House Gas Collection Chamber	Required for assessment the project MTL01025MI	10	1.15
2	Lysimeter	Required for assessment under the project MTL01025MI	6	5.40
3	Power sprayer	For disinfection purpose ARE01028MI	1	0.50
4	Hot air oven and Steam Boiler 100 kg	For PCT section	1	10.00
5	DSLR camera	Under project ARE01028MI	1	0.50
6	AC hot and cold	For office purpose	5	4.68
7	Web camera	For office purpose	4	0.25
8	Buniyaad Reeling Machine	For PCT section	1	0.20
			Sub Total (A)	22.68
B. RSRS, SAHASPUR				
	Name of Assets items	Justification	Quantity	Amount
1	Knapsack power sprayer	For disinfection demonstrations at farmers level	1	0.20
2	Tree pruner	For pruning demonstrations	2	0.25
3	Motorised Auger	For use far mechanization work	1	0.30
4	Brush Cutter	For use under all the Projects	1	0.25
5	Power Weeder	For use under all the Projects	1	0.75
6	Binocular Microscope	For seed examinations	2	2.00
7	AC (hot & cold) with Stabilizer	For use in conference and 04 rearing rooms for GPB and exp rearing	4	3.75
			Sub Total (B)	7.50
C. P-4, Basic Seed Farm, CSB, Manasbal				
	Name of Assets items	Justification	Quantity	Amount
1	Power Weeder	Not available at the Station required for maintenance of low space mulberry garden	01	0.90
2	Flame Gun	For disinfection of reading appliances and rooms	01	0.25
3	Street Solar Lights (Go green)	Required for Office Premises to keep campus illuminated and clean	12	0.60
4	Chain Saw	Not available at the Station required for maintenance of mulberry garden	02	0.20
5	Brush Cutter	Required for maintenance of mulberry garden	02	0.30
6	Honda Pit Maker	Required for mulberry plantations in NHAI or others	01	0.40

7	Hot and Cold AC	For rearing and office	03	1.80
8	Hot Air Oven	For drying the cocoons and leaf samples for experimental work	01	0.50
9	Muga Reeling Miniature Machine	For display in museum	01	0.10
10	Tasar Reeling Miniature Machine	For display in museum	01	0.10
11	Eri Spinning Miniature Machine	For display in museum	01	0.10
Sub Total (C)				5.25
D. RSRS, Jammu				
	Name of Assets items	Justification	Quantity	Amount
1	SPAD 502 chlorophyll meter	under PIE03009SI	01	2.00
2	Leaf area meter	under PIE03009SI	01	1.50
Sub Total (D)				3.50
E. REC, Lamberi				
	Name of Assets items	Justification	Quantity	Amount
1	Electronic balance	For cocoon and silkworms assessment	01	0.05
2	Dry & Wet electronic thermometer	For recoding temperature and humidity	02	0.05
Sub Total (E)				0.10

GRAND TOTAL Rs 39.03 LAKH

3. FURNITURE AND OTHER EQUIPMENT FOR THE YEAR 2024-25:-

A. CSR&TI, Pampore				
	Name of Assets items	Justification	Quantity	Amount
1	Bed with mattress	For training hostel	19	1.90
2	UPS	For office purpose / PMCE	6	0.50
3	Heating pillar	For office purpose	5	0.25
4	Sitting table	For office purpose	5	0.50
5	Inverter with double battery	For office /PMCE	02	0.80

6	Steel Almirah	For office / PMCE	03	0.30
7	Officer chair	For PMCE	01	0.15
8	Office Chairs (S-type)	For PMCE	06	0.12
Sub Total (A)				4.52
B. RSRS, SAHASPUR				
	Name of Assets items	Justification	Quantity	Amount
1	Rearing racks	For shoot feeding demonstrations	5	0.40
2	Officer chair	For use for Officer in charge	1	0.20
3	Interactive Smart board	For use in conference room for training etc.	1	1.00
Sub Total (B)				1.60

C. P-4, Basic Seed Farm, CSB, Manasbal				
	Name of Assets items	Justification	Quantity	Amount
1	Wifi CCTV Cameras system with 16 Camera DVR	Required for Security and Safety of the Station to keep assets in Good Condition	01	2.50
2	LCD 32 inch for CCTV	Required for Security and Safety of the Station to keep assets in Good Condition at Incharge Room and Watch and Ward Room	02	0.30
3	Gyser	For office / washrooms labs	04	0.40
4	Sofa set	Required for office and reception center	02	0.40
5	Nigh Duty Staff Bed	for night staff during rearing and care taker	04	0.20
6	Twig Crusher developed by CSB	Required for left out twigs / pruned twigs to make dust and to be used in vermicopost pits	01	0.30
7	Godrej Almirah	To keep office records in safety	04	0.40
8	Smart Board Panel	For Training and Awareness	01	1.50

		programmes at the Station		
			Sub Total (C)	6.00
D. REC Basti				
	Name of Assets items	Justification	Quantity	Amount
1	Air Cooler	Not available in office	01	0.15
2	Water RO Machine		01	0.15
3	Computer all in one	Very old and not functioning properly	02	1.00
4	Inverter Battery 200 Ah	Not available in office	1	0.20
5	Revolving chair for officer and Staff	Not available in office. wooden chair are very old	04	0.40
6	Visiting chair	Not available in office. Plastic chair is not good for visitors	06	0.18
			Sub Total (D)	2.08
E. RSRS, Jammu				
	Name of Assets items	Justification	Quantity	Amount
1	Officer chairs (Deluxe)	For office use	02	0.10
2	CCTV cameras	For safeguarding the govt property	20	1.00
3	UPS for computers	For office use	04	0.25
4	Smart board panel	For conference hall	01	2.00
5	Geyser (25 ltrs)	for training hostel	02	0.50
6	Inverter with double battery	for training hostel	01	0.50
7	Sofa set	for training hostel	01 set	1.00
8	Folding bed with mattresses	for training hostel	5	0.75
			Sub Total (E)	6.10
F. REC, Lamberi				
	Name of Assets items	Justification	Quantity	Amount
1	Computer table	Not available	02	0.20
2	S-Type chairs	For staff	05	0.25
3	Biometric attendance machine	For attendance of staff	01	0.15
4	Rearing trays	For conducting incubations cum chawki rearing of trial seed	100	0.50
5	Rearing stand	-do-	05	0.20

6	Iron tub	-do-	02	0.02
7	Iron sigree	-do-	04	0.02
8	Cooler	For using during summer rearing and for staff	02	0.50
9	Steel Almirah	For keeping official records	01	0.06
10	Computer table	Not available	02	0.20
			Sub Total (F)	2.10

GRANDTOTALRs22.40LAKH

3. ELECTRONIC DATA PROCESSOR FOR THE YEAR 2024-2025:-

A. CSR&TI, Pampore				
	Name of Assets items	Justifications	Quantity	Amount
1	Colour printer	For training division	1	0.25
2	Computer All in one/Desktop	For newly appointed scientist	8	4.00
3	Tablet (Small Computer)	Under project MOE02022MIC	1	0.50
4	Printer cum Scanner	For office	5	1.25
5	Printer cum Scanner	For office / PMCE	02	0.60
			Sub Total (A)	6.60
B. RSRS, SAHASPUR				
	Name of Assets items	Justifications	Quantity	Amount
1	Computer with all accessories	For use under all the Projects	4	2.50
2.	Printer with scanner	For use under all the Projects	4	0.60
			Sub Total (B)	3.10

C. P-4, Basic Seed Farm, CSB, Manasbal				
	Name of Assets items	Justifications	Quantity	Amount
1	All -in-one Computer	For Office	01	0.75
			Sub Total (C)	0.75
D. REC Basti				
	Name of Assets items	Justifications	Quantity	Amount
1	Computer all in one	Very old and not functioning properly	02	1.00
			Sub Total (D)	1.00
E. RSRS, Jammu				
	Name of Assets items	Justifications	Quantity	Amount
1	laptop	under PIE03015SIC	01	1.00
2	HP Scanner cum printer	For office use	01	0.20
			Sub Total (E)	1.20
F. REC, Lamberi				
	Name of Assets items	Justifications	Quantity	Amount
1	Desktop Computers	Only one computer is available of 2010 supply which is not working properly	01	0.75
2	Printer cum scanner	-do-	01	0.30
			Sub Total (F)	1.25

GRAND TOTAL Rs13.90LAKH

4. VEHICLE FOR THE YEAR 2024-25:-

A. CSR&TI, Pampore				
	Name of Assets items	Justifications	Quantity	Amount
1	Four wheeler vehicle Bolero with camper	For office purpose	1	15.00
			Sub Total (A)	15.00
B. P-4, Basic Seed Farm, CSB, Manasbal				
	Name of Assets items	Justifications	Quantity	Amount

1	Vehicle Bolero	For office use. The gypsy was available and auctioned.	01	15.00
2	Farm Track Tractor's Leveler	Required for maintenance of mulberry garden	01	0.30
3	Farm Track Tractor's Rotavator	Required for maintenance of mulberry garden	01	0.50
4	Trolley for Power Tiller	Required for maintenance of mulberry garden and supplying of leaf to rearing at the station	01	0.15
Sub Total (B)				15.95
C. RSRS, Jammu				
	Name of Assets items	Justifications	Quantity	Amount
1	Big tractor with trolley	Farm maintenance	01	10.00
Sub Total (C)				10.00

Total Rs 40.95 lakh**Abstract of Assets Item wise FOR THE YEAR 2024-25****1. BULDING AND ORIGINAL WORKS:-**

#	Description	Amounts (Rs. In Lakhs)
A	RSRS, Sahaspur	135
B	P4 BSF Manasbal	9.10
C	RSRS, Jammu	7.00
	Total	151.10

2. Tool plant machinery

#	Description	Amounts (Rs. In Lakhs)
A	CSR&TI Pampore	22.68

B	RSRS, Sahasapur	7.50
C	P4 BSF Manasbal	5.25
D	RSRS, Jammu	3.50
E	REC Lamberi	0.10
	Total	39.03

3. Furniture and other equipment

#	Description	Amounts (Rs. In Lakhs)
A	CSR&TI Pampore	4.52
B	RSRS, Sahasapur	1.60
C	P4 BSF Manasbal	6.00
D	RSRS, Jammu	6.10
E	REC Lamberi	2.10
F	REC Basti	2.08
	Total	22.40

4. Electronic data processor

#	Description	Amounts (Rs. In Lakhs)
A	CSR&TI Pampore	6.6
B	RSRS, Sahasapur	3.10
C	P4 BSF Manasbal	0.75
D	RSRS, Jammu	1.20
E	REC Lamberi	1.25
F	REC Basti	1.00
	Total	13.90

5. Vehicle

#	Description	Amounts (Rs. In Lakhs)
A	CSR&TI Pampore	15.00
B	P4 BSF Manasbal	15.95
C	RSRS, Jammu	10.00
	Total	40.95

Final Grand total

#	Description	Amounts (Rs. In Lakhs)
A	Building and original works	151.10
B	Tool plant machinery	39.03
C	Furniture and other equipment	22.40
D	Electronic data processor	13.90
E	Vehicle	40.95
	Grand Total	267.38

Annex-3.IX**9.Other activities to be carried out during the year 2024-2025****PCT:****A)Reeling:**

Reeling of cocoons expected to be received from the SBG section will be undertaken.Approx 120 kgs of green cocoons are expected to be received, which will be converted into raw silk yarn as a measure to increase the revenue of this Institute.

B) Raw Silk Testing:

Testing of the raw silk samples, collected/ received from different functional reeling units of the valley will be conducted during the year. The office will try to collect 50 samples from different parties and test these under limited test category.

C] Cocoon Testing:

Assessment and testing of cocoon samples, collected from the cocoon markets of the Kashmir and the samples received from SBG Division CSR&TI, Pampore, Extension Division, P4 Manasbal etc will be undertaken during the year. The section will try to assess and test around 400 cocoon samples, out of which 150 sample will be collected from different cocoon auction markets and rest are expected to be received from different sections/ units of CSR&TI.

D] To demonstrate the post cocoon Technologies among the stakeholders, for Improvement of quality of cocoons/ raw silk/ DOT programmes will be conducted in different Cocoon markets to educate the rearers for proper handling/storage etc of cocoons

E] To create awareness regarding silk testing among reelers/weavers to produce quality yarn in order to improve quality end product i.e silk fabric. For this frequent field visits will be conducted to the reeling units and imparted on spot technical guidance for the qualitative/quantitative improvement of raw-silk reeled.
Field visit of various stakeholders under PCT.

F] SMOI work:

The Srinagar chapter of the SMOI will try to achieve the set targets for the year 2024- 25, set by the Corporation office, Bangalore like, enrollment of Members, sale of labels, conduct of awareness programme, training of sales persons, collection of subscription for the magazine.

E] Pre-shipment Inspection of silk goods meant for exports:

As the inspection work is need based and demand dependent the section will try to provide quick and timely services of inspection without any delay to the exporters, who approach the office on voluntarily basis, service is provided.

Annex-3.X

10. Revenue Generation during 2024-2025

Sl. No.	Source of Revenue Generation	Physical (No.)	Revenue to be generated (Rs. in Lakhs)
10.1	Patent (Technology)		
10.1.1	License Fee collected		
10.1.2	Royalty collected		
10.2	Testing & Analytical charges (Sample)		
10.2.1	Testing of Soil/water/FYM/ Leaf etc		
10.2.2	Quality analysis/ testing of products		
10.2.3	Testing of cocoons/silk yarn/fabric etc.		
10.3	Consultancy (Services)		
10.4	Supply/ sale proceeds of cutting / Sapling/ seedling/ chawki worms/ cocoons/ Silk etc.	02	1.10
10.4.1	Mulberry cutting	01	0.30
10.4.2	Vanya host plant sapling/ seedling		
10.4.3	Mulberry chawki worms		
10.4.4	Mulberry Seed (DFLs)		
10.4.5	Vanya seed (DFLs)		
10.4.6	Intercrop	01	0.10
10.4.7	Cocoons	03	1.50
10.4.8	Output from R&D Projects (Silk, fabric etc)		
10.4.9	Others (pl specify)	35	4.00
	Total	42	7.00