

ITEM NO.12: The manner of execution of subsidy programmes, including the amounts allocated and the details of beneficiaries of such programmes

Technology Assessment and Refinement through IVLP (Phase-III)

The programme was taken up keeping in view of the success of TAR programme (2002-2007). The programme has been implemented in the mulberry sericulture belts of Eastern and N-E states through RSRs and its nested units covering a total of 375 farmers with 187.5 acres of land during the project period.

Year wise Target :

			Unit area 0.5 acre
Year	No. of Farmers with existing plantation	No. of Farmers with new plantation	Progressive Total
2010-11	600	-	600
2011-12	210	-	810
2012-13	210	-	1020

Budget :

			Rs. in Lakh
2010-11	2011-12	2012-13	Total
6.52	7.19	9.14	23.25

Unit Cost : 0.5 acre per farmer under rainfed condition with existing plantation per year

Sl No.	Name of the inputs to be provided as support system	Cost (Rs)
1	Bio-fertiliser (Nitrodert) @ 1.33 kg/ acre /crop and Phosphofert @ 16 kg/ acre once in 4 years.	475=00
2	PGR @ 400 ml/ac/crop (Spring and Autumn crop)	140=00
3	Chemicals for control of White fly @ 540 ml / ac crop (Sept. and Nov crop)	270=00
4	Bleaching powder for disinfection @ 1.0 kg / crop (3 crop)	180=00
5	Bed disinfectant (Labex Plus) @ 3.5 kg / 100 dfls. (3 crop)	347=00
	TOTAL	1187=00

Unit Cost : 0.5 acre per farmer under Irrigated condition with existing plantation per year

Sl No.	Name of the inputs to be provided as support system	Cost (Rs)
1	Bio-fertiliser (Nitrodferf) @ 1.60 kg/ acre /crop and Phosphofert @ 30 kg/ acre once in 4 years.	475=00
2	PGR @ 400 ml/ac/crop (Nov. and Feb. crop)	140=00
3	Chemicals for control of White fly @ 540 ml / ac crop (Sept. and Nov crop)	270=00
4	Bleaching powder for disinfection @ 1.0 kg / crop (5 crop)	300=00
5	Bed disinfectant (Labex Plus) @ 3.5 kg / 100 dfls. (5 crop)	385=00
	TOTAL	1570=00

Progress / Achievements made so far:

The programme is being implemented in the mulberry sericulture belts of Eastern and North-eastern states through RSRs and its nested units (03 units under irrigated zone and 15 units in rainfed zone) covering a total of 1020 farmers with 510 acres of land during the project period.

The recommended technological packages in respect of mulberry cultivation and silkworm rearing were prepared and are being followed during implementation of the programme. Regular visit to the farmers and crop supervision is done by extension personnel and subject matter specialists, to provide technical guidance. Besides, different extension communication programmes and training are also organized for updating the knowledge of the farmers from time to time.

Achievements:

The programme is presently under implementation. However, the following achievements were made under IVLP Phase – III.

- ❖ Since inception (2010-11) up to January' 12, a total of 810 farmers were covered.
- ❖ 210 farmers were covered under **Irrigated Zone (2011-12 upto Jan'12)** who reared 61225 dfls of MxB and 30650 of MxM. The average cocoon yield (kg/100dfls) recorded was 38.03 kg in case of MxB and 26.75 kg in case of MxM against the control yield of 33.6 kg and 24.46 kg, respectively. The gain observed was 13.2 % and 9.4 %, respectively.
- ❖ By implementation of the packages for mulberry cultivation, leaf production was also enhanced. In the irrigated zone the leaf yield observed was 7354 kg/ha/crop against the control yield of 6453 kg/ha/crop (improvement 14.0 %).
- ❖ In case of **Rainfed Zone (2011-12 upto Jan'12)** 36855 dfls of MxB ; 16640 dfls of BxB and 30850 dfls of MxM were reared by the farmers. The average cocoon yield (kg/100dfls) recorded was 39.19 kg in case of MxB ; 40.30 kg in case of B x B and 25.10 kg for MxM against the control yield of 34.81 kg, 36.46 kg and 24.85 kg, respectively. The gain observed was 12.6 %, 10.5 % and 9.8 %, respectively.
- ❖ By implementation of the packages, leaf production also increased. In the rainfed zone, the leaf yield observed was 3787 kg/ha/crop against the control yield of 3382 kg/ha/crop (Gain:12.0 %).
- ❖ Socio-economic condition of the target farmers have improved.

**Report on Progress of Cluster Promotion Programme under CSR&TI,
Berhampore as on January, 2012**

Nabagram Cluster, Murshidabad

2008-09

- Based on benchmark survey a total of 150 farmers were selected covering 50 acres of plantation (Existing-35ac & New-15ac).
- Prepared crop-wise action plan for 2008-09.
- A total of Rs. 8.358 lakh was released as CSB share for four components (Assistance for Irrigation, Supply for rearing appliances, construction of Rearing House and crop insurance for bivoltine rearing).
- 50 nos of beneficiaries were identified for construction of rearing house and construction work has been completed.
- Supplied rearing appliances to 105 farmers.
- Disinfectants were also supplied to all the farmers.
- The component like assistance for irrigation could not be achieved as the farmers were not ready to provide their share. Though Bi x Bi rearing is not in vogue in W.B, trial rearing of Bi x Bi combination under crop insurance support could not be initiated because suitable rearing season i.e. Agrahayani (Oct-Nov) / Falgooni (Jan-Feb) when farmer could take risk of rearing bivoltine with the help of crop insurance was already over by the time of release of fund i.e. Feb'09.
- Constituted JCPC and convened meeting at regular interval.
- Organized awareness programme in different villages under the cluster.
- Silkworm rearing initiated at the farmers level with effect from Oct-Nov'08.
- Crop performance is appended in Annexure-I

2009-10

- Prepared action plan for 2009-10 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 69.19 lakh** has been proposed for the cluster.
- AMC has approved **67.011 lakh**.
- Prepared crop-wise action plan for 2009-10.
- A total of 115 acres (345 farmers) will be covered during 2009-10 including 50 acres of previous year as per the project proposal.
- Benchmark survey for the project period (2008-09 to 2011-12) has been completed.
- Farmers for 09-10 have been identified and plantation work is under progress.
- Action initiated for establishment of Chawki Rearing Centre in the cluster.
- Action also initiated to introduce Farmers Field School (FFS) and Seri-polyclinic.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Organized extension communication programmes in different location of the cluster area.
- Crop performance is appended in Annexure-I

2010-11

- Prepared action plan for 2010-11 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 45.29 lakh** has been proposed for the cluster.
- AMC has approved **67.011 lakh**.
- Prepared crop-wise action plan for 2010-11.
- A total of 200 acres (600 farmers) will be covered during 2010-11 including 115 acres of previous years as per the project proposal.
- Benchmark survey for the project period (2008-09 to 2011-12) has been completed.
- Farmers for 10-11 was identified and plantation work completed.
- Action taken for establishment of Chawki Rearing Centre in the cluster.
- Action taken for Farmers Field School (FFS) and Seri-polyclinic.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Organized extension communication programmes in different location of the cluster area.
- Crop performance is appended in Annexure-I

2011-12

- Prepared action plan for 2011-12 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 45. 929 lakhs** has been proposed for the cluster.
- Prepared crop-wise action plan for 2011-12.
- During 2011-12, the established plantation is being maintained.
- The Chawki Rearing Centre is being constructed.
- Farmers Field School (FFS) and Seri-polyclinic is operational.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Organized extension communication programmes in different location of the cluster area.
- Crop performance is appended in Annexure-I

Kaliachak Cluster, Malda

2008-09

- Based on benchmark survey a total of 150 farmers were selected covering 50 acres of plantation (Existing-35ac & New-15ac).
- Prepared crop-wise action plan for 2008-09.
- A total of Rs.4.883 lakh was released as CSB share for four components (Assistance for Irrigation, Supply for rearing appliances, construction of Rearing House and crop insurance for bivoltine rearing).
- Assistance was provided to the 5(five) farmers for irrigation. Materials were also supplied.
- 25 nos of beneficiaries were identified for construction of rearing house and construction work has been completed.
- Supplied rearing appliances to 105 farmers.
- Disinfectants were also supplied to all the farmers.
- Though Bi x Bi rearing is not in vogue in W.B, trial rearing of Bi x Bi combination under crop insurance support could not be initiated because suitable rearing season i.e. Agrahayani (Oct-Nov) / Falguni (Jan-Feb) when farmer could take risk of rearing bivoltine with the help of crop insurance was already over by the time of release of fund i.e. Feb'09.

- Constituted JCPC and convened meeting at regular interval.
- Organized awareness programme in different villages under the cluster.
- Silkworm rearing initiated at the farmers level with effect from Oct-Nov'08.
- Crop performance is appended in Annexure-I

2009-10

- Prepared action plan for 2009-10 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 120.44 lakh** has been proposed for the cluster.
- AMC has approved **118.552 lakh**.
- Prepared crop-wise action plan for 2009-10.
- A total of 140 acres (420 farmers) will be covered during 2009-10 including 50 acres of previous year as per the project proposal.
- Benchmark survey for the project period (2008-09 to 2011-12) has been completed.
- Farmers for 09-10 have been identified and plantation work is under progress.
- Action initiated for establishment of Chawki Rearing Centre in the cluster.
- Action also initiated to introduce Farmers Field School (FFS) and Seri-polyclinic.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Supervised mulberry garden and silkworm rearing and also provided necessary suggestion time to time.
- Organized extension communication programmes in different locations of the cluster area.
- Crop performance is appended in Annexure-I

2010-11

- Prepared action plan for 2010-11 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 89.77 lakh** has been proposed for the cluster.
- Prepared crop-wise action plan for 2010-11.
- A total of 225 acres (675 farmers) covered during 2010-11 including 140 acres of previous year as per the project proposal.
- Benchmark survey for the project period (2008-09 to 2011-12) has been completed.
- Farmers for 10-11 was identified and plantation work completed.
- Action taken for establishment of Chawki Rearing Centre in the cluster.
- Action taken for Farmers Field School (FFS) and Seri-polyclinic.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Supervised mulberry garden and silkworm rearing and also provided necessary suggestion time to time.
- Organized extension communication programmes in different locations of the cluster area.
- Crop performance is appended in Annexure-I

2011-12

- Prepared action plan for 2011-12 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 43.768 lakh** has been proposed for the cluster.
- Prepared crop-wise action plan for 2011-12
- During 2011-12, the established plantation is being maintained.
- The Chawki Rearing Centre established during 2010-11 is operational.
- Farmers Field School (FFS) and Seri-polyclinic is operational.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Supervised mulberry garden and silkworm rearing and also provided necessary suggestions time to time.
- Organized extension communication programmes in different locations of the cluster area.
- Crop performance is appended in Annexure-I

Serchhip Cluster, Mizoram

2008-09

- Based on benchmark survey a total of 50 farmers were selected covering 50 acres of plantation (Existing-20ac & New-30ac).
- Prepared crop-wise action plan for 2008-09.
- A total of **Rs.18.92 lakh** was released as CSB share for four components (Assistance for Irrigation, Support for mulberry plantation, Supply of rearing appliances and Construction of Rearing House).
- Support for mulberry plantation was provided to the 30 farmers covering 30 acres and plantation has already established.
- Assistance was provided to the 8(eight) farmers for irrigation. Materials were also supplied.
- 20 nos of beneficiaries were identified for construction of rearing house and construction work has been completed.
- Supplied rearing appliances to 20 farmers.
- Disinfectants were also supplied to all the farmers.
- Constituted JCPC and convened meeting at regular interval.
- Organized awareness programmes in both the locations under the cluster.
- Silkworm rearing initiated at the farmers level with effect from Sept-Oct'08.
- Crop performance is appended in Annexure-I

2009-10

- Prepared action plan for 2009-10 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 57.51 lakh** has been proposed for the cluster.
- AMC has approved **41.24 lakh**.
- Prepared crop-wise action plan for 2009-10.
- A total of 52 acres (52 farmers) will be covered during 2009-10.
- Benchmark survey for the project period (2008-09 to 2011-12) has been completed.
- Farmers for 09-10 have been identified and plantation work is under progress.

- Identified farmers have started work for construction rearing houses and water conservation & usage techniques for irrigation as per the target.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Supervised mulberry garden and silkworm rearing and also provided necessary suggestion time to time.
- Organized extension communication programmes in different location of the cluster area.
- Crop performance is appended in Annexure-I

2010-11

- Prepared action plan for 2010-11 and incorporated the components as suggested by the JCPC.
- A total of **Rs. 54.28 lakh** has been proposed for the cluster.
- Prepared crop-wise action plan for 2010-11.
- A total of 45 acres covered during 2010-11.
- Benchmark survey for the project period (2008-09 to 2011-12) has been completed.
- Farmers for 10-11 have been identified and plantation work is under progress.
- Identified farmers have started work for construction rearing houses and water conservation & usage techniques for irrigation as per the target.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Supervised mulberry garden and silkworm rearing and also provided necessary suggestion time to time.
- Organized extension communication programmes in different location of the cluster area.
- Crop performance is appended in Annexure-I

2011-12

- A total of **Rs. 44.00 lakh** has been proposed for the cluster.
- A total of 54 acres has been covered during 2011-12.
- Farmers for 11-12 have been identified and plantation work is under progress.
- Identified farmers have started work for construction of rearing houses and water conservation & usage techniques for irrigation as per the target.
- The process of procurement of rearing appliances is under progress.
- Conducted JCPC (Joint Cluster Promotion Committee) meeting at regular interval.
- Supervised mulberry garden and silkworm rearing and also provided necessary suggestion from time to time.
- Organized extension communication programmes in different location of the cluster area.
- Crop performance is appended in Annexure-I

ANNEXTURE-I



a. Nabagram Cluster

CROP PERFORMANCE 2010-11

 Central Silk Board
 Training Institute, Patancheru, AP

Crop Season	Benchmark C. Yield (kg/100dfis)		Dfls		Cocoon yield (kg/100dfis)		
	Range	Avg.	Target	Reared	Target	CPP farmer	Non-CPP
April'10 (Baishakhi)	24.00- 48.00	38.50	6000	7100 (MxB)	45.00	32.80 (26.0 - 38.0)	19.50 (12.0 - 38.0)
	15.00 -28.00	21.4	30000	32000 (MxM)	28.00	26.50 (20.9 - 29.5)	23.05 (10.0 - 27.0)
June'10 (Srabani)	32.0 – 39.0	36.0	2500	2750 (MxB)	40.0	23.50 (10.2 - 34.8)	21.50 (8.0 - 25.0)
	20.00-29.00	27.13	30000	32100 (MxM)	28.5	26.93 (19.7 – 31.8)	24.50 (16.0- 30.0)
August'10 (Aswina)	13.2 – 28.4	26.67	8000	8,650 (MxB)	40.0	38.41 (36.2- 40.5)	34.5 (22.0- 37.0)
	12.5 – 31.0	26.67	30000	32700 (MxM)	28.0	27.38 (24.1 – 31.8)	24.0 (16.5 – 27.8)
Oct – Nov'10 (Agrahayani)	25.33-41.00	36.37	45000	48300 (MxB)	47.0	48.06 (45.0 – 52.5)	45.8 (35.5 - 47.5)
Jan – Feb'11 (Falguni)	34.50 -47.20	39.50	60000	63750 (MxB)	47.00	47.47 (43.6 – 54.2)	46.5 (34.5 – 51.5)
	-	-	500	500 (B x B)	45.0	44.5 (21.0 – 50.0)	-

CROP PERFORMANCE 2011-12 (Upto January, 2012)

Name of the CDC	No. of farmers	Name of the crop	Breed reared	Dfls reared	Target Fixed (Kg/100 dfis)	Total yield (kg)	Yield (Kg/100 dfis)	Non - CPP Yield (kg / 100 dfis)
REC, Nabagram	600	Baishakhi'11	N X NB4D2	30800	50.0	14777.84	47.98 (46.2 – 53.5)	45.2 (41.5-48.5)
			N X M12(W)	52950	30.00	15704.97	29.66 (26.6 – 32.0)	27.5 (21.8 – 30.5)
		Srabani'11	Nx(SK6 x SK7)	8600	50.0	2820.20	32.82 (29.9-34.36)	29.36 (26.32–31.72)
			N x M12(W)	450	40.0	162.0	36.0 (32.0-39.0)	27.5 (25.39 -31.42)
		Aswina'11	N x SK6 X SK7	1700	50.0	747.80	43.98 (38.4– 46.8)	38.54 (36.5 – 40.6)
			N x M12(W)	93850	30.0	26,611	28.35 (26.05 – 32.8)	26.54 (24.9 – 28.7)
		Agrahaya ni'11	N x SK6 X SK7	102212	50.0	49245.74	48.18 (43.40– 46.20)	43.16 (40.30-46.20)



b. Kaliachak Cluster

CROP PERFORMANCE 2010-11

Central Silk Board Research & Training Institute, Bhubaneswar

Crop Season	Benchmark C. Yield (kg/100dfis)		No. of Dfls		Cocoon yield (kg/100dfis)		
	Range	Avg.	Target	Reared	Target Fixed	CPP farmer	Non-CPP farmer
April'10 (Baishakhi)	15.00-40.00	30.5	30000	32050 (M x B)	45.00	40.08 (36.0 – 42.7)	35.50 (32.0 - 37.0)
	14.40-26.60	21.74	5000	7000 (M x M)	28.00	26.02 (23.0 - 28.5)	24.20 (22.0 - 26.0)
August'10 (Bhaduri)	14.44-26.66	18.27	35250	40050 (M x M)	28.5	25.14 (23.0 – 28.0)	23.5 (21.0 – 25.0)
Oct – Nov'10 (Agrahayani)	20.00-48.00	39.33	50000	59050 (M x B)	45.0	47.56 (43.0 – 56.0)	42.2 (35.5 – 44.0)
	-	-	500	500 (B x B)	45.0	55.44 (43.0 – 56.0)	-
Jan – Feb'11 (Falguni)	20.00-45.00	33.31	60000	62750 (M x B)	45.00	45.93 (42.5 – 54.0)	42.1 (33.0 – 44.5)

CROP PERFORMANCE 2011-12 (Upto January, 2012)

Name of the CDC	No. of farmers	Name of the crop	Breed reared	Dfls reared	Target Fixed (Kg/100 dfls)	Total yield (kg)	Yield (Kg/100 dfls)	Non - CPP Yield (kg / 100 dfls)
REC, Mothabari	675	Baishakhi' 11 (April)	N x M12(W)	28650	30	7790	27.24 (22 – 32)	23.50 (20 – 27)
			N x NB4D2	94550	50	43638	46.13 (40 – 52)	40.00 (32 – 42)
	675	Bhaduri, 11 (August)	N x M12(W)	96850	30	25585	26.08 (25 – 32)	24.10 (21 – 26.5)
	675	Agrahayani11 (Nov.)	N x NB4D2	60500	50	28084	46.55 (42 – 52)	42.20 (38 – 47.5)
			N x (SK6 x SK7)	39600	50	17727	45.15 (42 – 50)	40.50 (36 – 45)
			SK6x SK7	1000	-	563	56.30 (52-61)	-



Crop performance 2010-11

Central Silk Board Research & Training Institute, Barampore, WB

c. Serchhip cluster

Crop season	Benchmark Cocoon Yield (kg/100dfis)		No. of Dfls		Cocoon yield (kg/100dfis)		
	Range	Average	Target	Reared	Target Fixed	CPP farmer	Non-CPP farmer
Mar-Apr'10 (Spring)	20.00-28.00	25.00	10000	10000 (MxB)	40.00	35.35 (20.0 - 41.5)	27.0 (15.0 - 29.5)
June- July'10 (Summer)	17.00-26.00	23.00	10000	10000 (MxB)	40.00	37.34 (23.5 - 40.0)	27.0 (16.0 - 30.0)
Sept-Oct '10 (Autumn)	25.00-37.00	32.00	10000	17550 (BxB)	45.0	47.13 (30.5 - 52.0)	35.0 (25.5 - 40.0)

CROP PERFORMANCE 2011-12 (Upto January, 2012)

Name of the CDC	No. of farmers	Name of the crop	Breed reared	Dfls reared	Target Fixed (Kg/100 dfls)	Total yield (kg)	Yield (Kg/100 dfls)	Non - CPP Yield (kg / 100 dfls)
REC, Aizawl	117	Spring, 11	M x Bi	10600	40	4544.62	42.87 (33 - 50)	35.00 (29-38)
	117	Summer, 11	M x Bi	7550	40	2798.50	37.06 (30 - 48.33)	30.00 (24 - 35)
	182	Autumn, 11	M x Bi	26225	45	11612.50	44.28 (35.5 - 53)	32.00 (26 - 37)