

PERSPECTIVE PLAN (REVISED)
(2002 - 2012)
FOR
DEVELOPMENT OF HORTICULTURE IN TRIPURA

**DIRECTORATE OF HORTICULTURE AND
SOIL CONSERVATION
DEPARTMENT OF AGRICULTURE
GOVERNMENT OF TRIPURA**

1. INTRODUCTION :

A ten year “ Perspective Plan for Development of Horticulture ” (2002-2013) was adopted with target for bringing additional 12,750 ha. under 17 identified crops. These targets were (i) increase in production of fruits from 3.00 lakh mt. to 4.05 lakh mt. (ii) production of vegetables from 3.25 lakh mt. to 4.38 lakh mt. (iii) to bring 100 ha area under cultivation of flowers like anthurium and orchids (iv) production of 2.5 lakh tissue-cultured planting materials per annum (v) bringing 100 ha area under organic farming with specified fruits and vegetables and (vi) strengthening horticulture organization by opening up of 27 Horti. & Soil Conservation Sub-Divisional offices.

In first **Mid-Term Evaluation** in May,2006 the achievements during first three years of implementation was reviewed and few revisions made there under were (i) increasing area from 12,750 ha. to 16,957 ha. (ii) number of crops from 17 to 20 and (iii) implementation period from 10 to 8 years (i.e. within 2009-10). Then, in the **second revision** in November, 2008 after six years of implementation, some course correction was suggested . These were (i) drawing action plan for replanting, gap-filling and technology interventions in 14,509 hectare additional area already covered (ii) inclusion of suitable root and tuber crops (iii) arranging assured supply of all related inputs, specially fertilizers for increasing productivity (iv) convergence with HTM, RKVY, NREGA, & PDF (v) rejuvenation of old, senile orchards (vi) embarking on seed production programme for vegetables (vii) programme for increasing production of TPS & TPS-tuberlets for increasing productivity (viii) augmentation of the existing tissue-culture laboratory (ix) implementation of Nursery Act for regulation of quality and (x) strengthening horticulture organization. In a **further review** of achievements in December, 2009 after seven years of implementation, following were suggested (i) taking additional 2,000 ha. under selected fruits like mango, banana, papaya, litchi etc.(ii) expansion of orange in non traditional areas (iii) additional 2,500 ha. under vegetables, (iv) supply of required inputs,

quality planting materials and technology intervention for increasing production and productivity of fruits (v) few selected vegetables of choice for extensive coverage (vi) to give more importance to production and productivity of potato (vii) trying onion on limited scale (viii) crop-specific training *in situ* (ix) massive publicity and campaigns on enterprising prospects of horticultural crops (x) food processing through SHGs' and (xi) proper strengthening of horticultural set-up upto block level.

Accordingly, a draft perspective plan (revised) has been prepared with proposals of additional actions for 2010- 11 & 2011-12 and presented here under for consideration and approval.

CHAPTER – 1 : PERSPECTIVE PLAN : PRESENT POSITION

The Perspective Plan for Development of Horticulture was formulated during 2002 for a period of ten years (2002-2012) for increasing production of fruits, vegetables and other horticultural crops. Component wise achievements made in last eight years (2002-2010) against the targets are shown in table – 1 below :

Table : 1 Component wise achievements (upto 2009-10) :

Sl No	Component	Status during base year (2001-02)	Projected total target by the terminal year (2011-12)	Prodn. (2008-09)	Prodn. In lakh Mt.	
					Prodn. (2009-10) (provisional)	Excess/short fall
1	Fruit crops	3.00	6.05	5.47	5.60	-0.45
2	Plantation crops	0.09	0.22	0.19	0.20	-0.02
3	Spices	0.17	0.20	0.16	0.16	-0.04
4	Vegetables	2.25	4.38	3.10	3.57	-0.81
5	Potato	1.11	1.14	0.87	0.95	-0.19
6	Flower	-	0.01	0.005	0.006	-0.004
	Total	6.62	12.00	9.795	10.486	-1.514

1.1 Constraints :

Major constraints observed in last 7 (seven) years of implementation are the following

1. Average productivity of selected fruits remained at much lower level of 15.15 Mt/Ha against the projected target of reaching 29 Mt/Ha in the terminal year.
2. A sizable area of fruits (specially pineapple) went out of cultivation due to conversion to crops like rubber.

3. A significant traditional area of vegetables went out of cultivation due to erection of international border fencing, roads, brick-clines, community tanks etc.
4. The unstable supply of vegetables in the market in different seasons.
5. Very less area expansion of Potato (337 ha).
6. Shift in preference of crops ; arecanut, litchi, blackpepper and vanilla not preferred.
7. Shortage of manpower (extension agency) for proper dissemination of technologies and delivery of inputs.

1.2 Constraint analysis and proposals :

There has been thorough discussions and analysis into the facts of all the constraint issues and proposals for their redresser are detailed below;

i. Lower productivity of fruits : much lower productivity of fruits are for (i) low surviving density of bearing plants for not taking any actions on gap-filling in second and third year of area expansion programme, which is normally a routine practice in case of plantation of fruit and nut crops ;(ii) less maintenance and zero-fertilization of existing plantations and (iii) no watering arrangements during dry spell of the year. In the present proposal, gap-filling in about 20 % of the existing plantation areas, as assessed in field survey, has been kept , beside assessing the actual requirements of quality planting materials, fertilizers and PPCs for the total plantation area already created. Special proposal kept for micro-irrigation in few selected crops of high commercial value. These arrangements would significantly increase the productivity level.

ii. Conversion to rubber : With the lower population density and lower productivity level for other associated reasons, crops like pineapple were facing stiff competition with rubber. Proposal kept in this plan for high density planting (in case of pineapple, from current practice of 20,000 nos to 45,000

nos per hectare) , and intercropping for increasing productivity and income of such crops to attract more area expansion in the coming years.

iii. Shrinkage in vegetable area : a block wise detail area survey was conducted departmentally during December, 2009 in which it came out that an additional 11,000 ha area can be made available for vegetable cultivation, if some more water areas and watering facilities are created. About 25% of the above areas are having some local sources and yet remaining fellow till now where cultivation can be started immediately. Accordingly, it is proposed for additional coverage of 2,500 ha. (2,000 ha for summer vegetable and 500 ha. for winter vegetable) area under vegetable for compensating the shortage in production.

iv. Unstable supply of vegetables : though majority of vegetables are very season specific yet some lesser cultivated, lean season, popular vegetables like, colocasia, spine gourd, pointed gourd, amaranthus, summer cabbage, summer cauliflower, yams etc. are proposed in the plan, beside the major ones to offer more variety and reasonably stable supply in market.

v. Less area expansion of potato : This is mainly because of reasons like non availability of assured irrigation facilities, seeds, fertilizers, credits and also for availability of other competitive crops. In the present plan, it is proposed for increasing the production of TPS and TPS-tuberlets (in additional 220 ha area in selected 9 progressive blocks) to reach to a production target of 1.14 lakh Mt. by the terminal year with assured supply of seeds , fertilizers and PPCs.

vi. Shift in preference of crops : Cultivators' preference for crops like arecanut, litchi and blackpepper have shifted to other crops mainly for their lesser production and income. In the present plan, it is proposed for going with multi-tier cropping of these crops with complementary other horticultural crops(as per trial-results of HRC, Nagicherra) to increase income by many fold from the same unit of area. However, it is proposed for dropping the targets of

vanilla, in wake of experiencing risks due to reasons like (i) small –scale approach difficult to assure marketing linkage (ii) high fluctuations in market rates (iii) availability of choice for other remunerative crops.

vii. Shortage of manpower : Out of 22, opening of 14 remaining sub-divisional offices are still pending. In the present plan, it is proposed for opening 8 (eight) sub-divisional Horti and Soil Conservation offices during 2010-11 and balance 6 (six) in the following year.

CHAPTER – 2 : PERSPECTIVE PLAN : REVISED PROPOSAL

2. REVISED PROPOSAL :

To reach to the production targets of fruits, vegetables, plantation crops, spices and flowers within plan period, a village level detail survey was conducted departmentally during November, 2009 for assessing further availability of land, if any, for additional coverage. As it came out in that survey (Annexure - II), an additional 21,076 hectare area could be made available for additional coverage of different horticultural crops in the remaining 2 years period.

Considering about 25% of that available area for bringing under horticultural crops, it is suggested for additional coverage of fruits in 2000 hectare area, vegetables in 2,500 hectare area, potato (for TPS- tuberlet production only) in 220 hectare area and flowers in 142 hectare area. This additional area will take total coverage under horticultural crops to 93,760 hectare from the initial target of reaching 87,499 hectare area.

2.1. STRATEGIES :

1. Preparing action plan for additional coverage of selected semi perennial/perennial fruits like banana, papaya, pineapple, mosambi, orange, pomegranate and mango in 2000 ha new area in 2010 – 2012.
2. Preparing action plan for intensive managerial care in existing 36,133 ha. areas of fruits (2008-09) for increasing production and productivity.
3. Preparing action plan for additional coverage of 2500 ha. areas with selected vegetables for adding more variety and production.
4. Preparing action plan for concerted production of vegetables in kitchen gardens of 60,000 households.

5. Preparing action plan for assuring more variety, production and stable supply of vegetables in market from 26,498 ha. existing area (2009-10)
6. Preparing action plan for ensuring per capita availability of 30 kg. potato per annum by 2013-14.
7. Additional 600 ha. coverage with plantation crops .
8. Additional 500 ha. coverage with spices, mostly as intercrop.
9. Additional 142 ha. coverage under flower, mostly under open –field condition.
10. Provision for improved technology and production inputs.
11. Provision for post harvest management; processing by SHGs.
12. Provision for crop specific training support both to the farmers and extension functionaries.
13. Advertisement and publicity for enterprising prospects of horticultural crops.
14. Strengthening horticultural organization by opening remaining 14 horti. & soil cons. sub-divisional offices.

2.2 AREA AND PRODUCTION :

2.2.1 Area targets :

Table 2 : Component wise balance area targets including additional coverage.

Sl No.	Component	Existing area (2009-10)	Balance area targets (ha.)		Total upto 2011-12 (ha)
			2010-11	2011-12	
1.	Fruit crops	36370	1000	1000	38370
2.	Plantation crops	14590	300	300	15190
3.	Spices	4880	250	250	5380
4.	Vegetables	26070	2500		28570
5.	potato	5780	220		6000
6.	flower	108	89	53	250
	Total	87798	4359	1603	93760

Crops for additional coverage :

The following crops have been identified for inclusion in the plan for additional coverage keeping in view farmers expertise of growing such crops, relative higher productivity, market demand, return and marketing facilities etc. The suggested additional area to be brought under each of these crops is indicated in table – 3 .

Table – 3: Crop wise additional coverage (2010 - 12)

Sl. No.	Crop	Targeted additional area (ha) (2010 – 11)	Targeted additional area (ha) (2011 – 12)
1.	Mango	50	200
2.	Mosambi	50	-
3.	Orange	150	-
4.	Pomegranate	-	50
5.	Pineapple	350	350
6.	Banana	250	250
7.	Papaya	150	150
8.	Colocasia	480	480 (same area of 2010-11)
9.	Elephant Foot Yam	100	100 (same area of 2010-11)
10.	Pointed gourd	280	280 (same area of 2010-11)
11.	Spine gourd	200	200 (same area of 2010-11)
12.	Summer cabbage	300	300 (same area of 2010-11)
13.	Summer cauliflower	300	300 (same area of 2010-11)
14.	Amaranthus	170	170 (same area of 2010-11)
15.	Leafy vegetables	170	170 (same area of 2010-11)
16.	Winter vegetables	500	500 (same area of 2010-11)
17.	Potato	220	220 (same area of 2010-11)
18.	Plantation crops	300	300
19.	Flower	89	53
Total:		4,109 ha.	1353 ha.

The cumulative area & production of fruits and vegetables during 2012 is furnished in *Annexure - XXVII*.

2.2.2 Production targets :

Table : 4 Production in the terminal year (projected) :

SI No	Component	Prodn. In lakh Mt.	
		Status during base year (2001-02)	Projected prodn. during terminal year (2011-12)
1	Fruit crops	3.00	6.05
2	Plantation crops	0.09	0.22
3	Spices	0.17	0.20
4	Vegetables	2.25	4.38
5	Potato	1.11	1.14
6	Flower	-	0.01
	Total	6.62	12.00

Considering decline in decadal growth rate of population from 2.98 (in 1991 – 2001) to 1.47 (2001-2011) , the projected population of the state in 2012 also comes down to 37.43 lakh from 40.23 lakhs as was calculated earlier. Also the average requirement of fruits and vegetables per capita per day has changed to 100 gms and 300 gms respectively as per ICMR recommendations (accordingly, the projected production in terminal year calculates to 447 gm & 404 gm per capita availability per day of fruits & vegetables respectively). So the projected requirement of fruits and vegetables vis – a – vis marketable surplus in the terminal year of Perspective Plan is shown in table 5 below.

Table 5 : Marketable surplus in the terminal year (projected).

Crop	Prodn. (lakh MT)	Requirement (in lakh MT)	Marketable surplus (lakh MT.)
	2011-12	2011-12	2011-12
Fruits	6.05	1.37	+4.68
Vegetables (including potato)	5.52	4.11	+1.41

2.3. CROP WISE ACTION PLAN

2.3.1 Fruits, Plantation Crops & Spices : Crop wise area, production and productivity of selected fruits, plantation crops & spices with major intervention proposed is tabulated below.

Table 6 : Crop wise present and projected targets of area, production and productivity of selected crops.

Physical : (area in ha, prodn. in Mt, yield in Mt/ha)

Sl No	Crops	Present status (2008-09)			Projected Target (2011-12)			Intervention Proposed
		Area	Prod.	Yield	Area	Prod.	Yield	
1.	Mango	4190	12706	3.03	4440	16760	3.57	1. With improved varieties like, Amrapalli, Himsagar & Mallika. 2. Canopy management & Rejuvenation- 200 ha each year 3. Maintenance & Gap filling – 485 ha.
2.	Mosambi	-	-	-	50	-	4.38	1. area expansion – 50 ha 2. training – 200 nos.
4	Pomgranate	-	-	-	50	-	2.00	1. area expansion – 50 ha 2. training – 200 nos.
2.	Pineapple	6336	110487	17.44	7036	140720	20	1. Area expansion – 350 ha each during 2010-11 2011-12 2. Rejuvenation – 1900 ha 3. Chemicals staggering – 1165 ha
3.	Banana	7416	96787	13.05	7916	109965	13.90	1. Improved varieties – Sabri, G-naine, Dwarf Cavendish, 2. With micro irrigation facility 3. Following ICM & IPM
4.	Papaya	1294	13187	10.19	1594	16305	10.23	1. Improve varieties – Honey Dew, Pusa Delicious, Pusa Giant 2. Adoption of mulching with propping 3. Adoption of INM & IPM
5.	Litchi	2762	16165	5.85	2762	17124	6.20	1. Maintenance of existing plantation – 360 & 374 ha in 2010-11 & 2011-12 2. Gap filling with commercial varieties in 90 & 95 ha resp. 2010-11 & 2011-12 3. Following ICM & IPM
6.	Jack fruits	7627	250619	32.86	7627	259318	34.00	1. Gap filling with improved varieties 2. Better post harvest care & management
7.	Orange	3098	20926	6.75	3248	22151	7.15	1. Rejuvenation – 440 ha &

								468 ha resp. during 2010-11 & 2011-12 2. Following ICM & IPM for powdery mildew & dieback disease
8.	Cashew nut	4087	2122	0.52	4687	3984	0.85	1. With improved cashew grafts of varieties, BLA-39-4, Vengurla-4, Ullal-2 & Priyanka. 2. Gap filling in 70 & 75 ha resp. 2010-11 & 2011-12 3. Following ICM & IPM
9.	Coconut	5784	8216	1.42	5784	8676	1.50	1. Gap filling – 200 & 210 ha resp. during 2010-11 & 2011-12 2. Following ICM in 815 & 820 ha existing plantation resp. 2010-11 & 2011-12 3. IPM against eriophite mite.
10.	Arecanut	4443	8354	1.88	4443	11108	2.50	1. Maintenance in 540 ha each during 2010-11 & 2011-12 2. Gap filling in 90 ha each during 2010-11 & 2011-12 3. Following ICM practices
11.	Ginger	1408	7123	5.06	1908	11467	6.01	1. Additional with fibre –less variety 2. Replanting in 135 & 200 ha during 2010-11 & 2011-12 3. Following ICM & IPM
12.	Chilli	2168	2799	1.29	2168	2926	1.35	1. Adoption of hybrid varieties like CO-1, Pusa Jwala etc. 2. Following ICM & IPM
13.	Black Pepper	258	100	0.39	500	200	0.40	1. Area expansion – 250 ha with high yielding varieties 2. Following ICM & IPM
14.	Vetel vine	689	34450	50	689	41340	60	1. Maintenance in 50 & 50 ha existing area during 2010-11 & 2011-12 2. Following ICM & IPM
15.	Vanilla	Proposed for dropping the target						1. Small scale approach did not ensure marketing prospect 2. Frequent fluctuation in rate 3. Availability of choice for other remunerative crops

Table: 7 Item wise financial involvement : Fruits, plantation crops & spices

Financial			Rs. In lakh			
Sl. No	Component	Rate (Rs.per ha./unit)	2010-11		2011-12	
			Phy	Fin	Phy	Fin
1	2	3	4	5	6	7
1	Area expansion (Ha)					
A	Fruits					
i	Banana					
	a. area expansion	0.2300	250	57.5000	250	57.5000
	b. Micro Irrigation	0.2850	250	71.2500	250	71.2500
	c Training (Per nos.)	0.0015	600	0.9000	600	0.9000
ii	Mango					0.0000
	a. area expansion	0.1125	50	5.6250	200	22.5000
	b.Gap-filling & Int. Op	0.0650	285	18.5250	200	13.0000
	c. Canopy Mng. & Rejuvenation	0.0500	600	30.0000	600	30.0000
	d. Training (Per nos.)	0.0015	400	0.6000	400	0.6000
iii	Mosambi					
	a. area expansion	0.3500	50	17.5000		
	b. Training	0.0015	200	0.3000		
iv	Pomgranate					
	a. area expansion	0.3000		0.0000	50	15.0000
	b. Training	0.0015		0.0000	200	0.3000
iii	Papaya					0.0000
	a. area expansion	0.2300	150	34.5000	150	34.5000
	b. Training (Per nos.)	0.0015	150	0.2250	150	0.2250
iv	Litchi					0.0000
	a.Gap-filling & Int. Op	0.1125	90	10.1250	95	10.6875
	b. Canopy Mng. & Rejuvenation	0.0500	360	18.0000	374	18.7000
	c. Training (Per nos.)	0.0015	1500	2.2500	1500	2.2500
v	Pineapple					0.0000
	a. area expansion	0.2300	350	80.5000	350	80.5000
	b. Rejuvenation	0.1500	1000	150.0000	900	135.0000
	c. Chemical Induction	0.0700	630	44.1000	535	37.4500
	d. Training (Per nos.)	0.0015	631	0.9465	681	1.0215

vi	Orange					0.0000
	a. area expansion	0.2700	150	40.5000		
	a. Gap-filling & Int. Op	0.1125	200	22.5000	200	22.5000
	b. Canopy Mng. & Rejuvenation	0.0500	440	22.0000	468	23.4000
	c. Training	0.0015	300	0.4500	300	0.4500
vii	Jackfruits					0.0000
	a. Canopy Management	0.0500	760	38.0000	760	38.0000
	b. Training	0.0015	760	1.1400	760	1.1400
viii	Maint. of other existing fruits plantations (lime/lemon, sapota, minor fruits)	0.0500	300	15.0000	300	15.0000
	Total of fruits			682.4365		631.8740
	Plantation Crops					
i.	Cashew nut					
	a. area expansion	0.1300	300	39.0000	300	39.0000
	b. Gap-filling & Int. Op	0.0650	250	16.2500	250	16.2500
	c. Canopy Mng. & Rejuvenation	0.0500	250	12.5000	250	12.5000
	d. Training (Per nos.)	0.1500	250	37.5000	250	37.5000
ii	Coconut					0.0000
	a. Gap-filling & Int. Op	0.0650	200	13.0000	210	13.6500
	b. Canopy Mng. & Rejuvenation	0.0500	815	40.7500	820	41.0000
	c. Training	0.1500	600	90.0000	600	90.0000
iii	Arecanut					0.0000
	a. Gap-filling & Int. Op	0.0650	90	5.8500	90	5.8500
	b. Canopy Mng. & Rejuvenation	0.0500	540	27.0000	540	27.0000
	c. Training (Per nos.)	0.1500	500	75.0000	500	75.0000
	Total of Plantation Crops			356.8500		357.7500
	Spices					
i	Ginger					
	a. area expansion	0.1300	500	65.0000		0.0000
	b. Replanting	0.0650	135	8.7750	200	13.0000
	c. Training	0.1500	300	45.0000	300	45.0000
ii	Chilli					
	a. assistance	0.1300	730	94.9000	800	104.0000
	b. Training	0.1500	250	37.5000	250	37.5000
iii	Black Pepper					
	a. area expansion	0.1300	200	26.0000	50	6.5000

	b. Training	0.1500	250	37.5000	100	15.0000
iv	Betel vine					
	a. Maintenance	1.0000	50.000	50.0000	50	50.0000
	b. IPM techniques	0.0750	200.000	15.0000	200	15.0000
	c. Training	0.1500	200.000	30.0000	200	30.0000
	Total of Spices & Condiments			409.6750		316.0000

2.3.2 Vegetables :

Block wise additional areas to be covered under selected vegetable crops during 2010 -11 & 2011-12 , as per village level survey , is shown in **Annexure – III & IV**. As per area targets of different blocks, requirements of vegetable seeds/cuttings and fertilizers with corresponding involvement of fund for 2010-11 & 2011-12 have been estimated and shown in **Annexure – XII, XIII, XIV, XV, XVI** and crop wise cumulative requirement in **Annexure – XVII**.

Vegetable wise physical area targets and corresponding involvement of Funds during 2010-11 & 2011-12 is shown in table – 8 below :

Table – 8. Year wise physical target & financial involvement for vegetables.

Sl. No	Component	Rate (Rs.per ha./unit)	2010-11		2011-12	
			Phy	Fin	Phy	Fin
1	2	3	4	5	6	7
	Vegetables (Summer)					
i	Colocacia	0.1300	480	62.4000	480	62.4000
ii	Elephant Foot Yam	0.1300	100	13.0000	100	13.0000
iii	Pointed Gourd	0.1300	280	36.4000	280	36.4000
iv	Spine Guord	0.1300	200	26.0000	200	26.0000
v	Summer Cabbage	0.1300	300	39.0000	300	39.0000
vi	summer Cauliflower	0.1300	300	39.0000	300	39.0000
vii	Amaranthus	0.1300	170	22.1000	170	22.1000
viii	Leafy vegetables	0.1300	170	22.1000	170	22.1000

ix	Other major vegetables (Gourds, bhindi, Tomato)	0.1300	2000	260.0000	2000	260.0000
x	Training (per nos,)	0.1500	3000	450.0000	3000	450.0000
xi	On farm Handling unit	0.5000	83	41.5000	100	50.0000
B(II)	Winter Vegetables					0.0000
i	Beans, Broccoli, squash etc.	0.1300	500	65.0000	500	65.0000
ii	Major winter vegetables (cabbage, cauliflower, tomato, brinjal, capsicum, Potato TPS etc	0.1300	5035	654.5500	6000	780.0000
iii	Training (per nos,)	0.1500	2500	375.0000	2500	375.0000
B(III)	Potato TPS - Tuber let	0.3600	220	79.2000	220	79.2000
B(IV)	Potato TPS - Table Potato	0.1500	3000	450.0000	3000	450.0000
B(V)	Kitchen Garden (per year)	109.0000		109.0000		109.0000
B(VI)	Veg. Seed Production (per year including FS & CS)	49.9200		49.9200		49.9200
	Total of Vegetables			2794.1700		2928.1200

2.3.3 Production of vegetables in kitchen garden :

As per latest census of population (ref : Census of India, Office of the Registrar General & Census Commissioner, India), there are 6,64,334 no of total households (rural 5,39,713 and urban 1,24, 621) in the state. If only about 10% of the total house holds i.e. 60,000 nos are considered for adoption of kitchen gardening of vegetable crops round the year, in an approximate minimum area of 80 sq. mt. each, there could be an additional production of 16,200 Mt. vegetables per year . Year wise involvement of fund for the programme is shown under B(V) of table – 8.

For year round occupation of land, three model patterns suggested are as given below.

A) As Winter Crop (Approx. production – 110-125 kg)

Sl. No.	Name of vegetables	Sowing Time	Seed requirement (g/5sqm)	Seedling requirement (/ 5sqm)	Availability	Approx. yield (Kg/5sqm)
1	Radish	Sept.-Oct.	5		Dec.-Jan.	10-12
2	French Bean	Sept.-Oct.	20		Dec.-Jan.	5-6
3	Capsicum	Sept.-Oct.		25	Dec.-Jan.	10-12
4	Broccoli	Sept.-Oct.		25	Dec.-Jan.	10-12
5	Palak / Lettuce	Sept.-Oct.	1		Dec.-Jan.	5-7
6	Pakchui	Sept.-Oct.		25	Dec.-Jan.	12-15
7	Chilli	Sept.-Oct.		25	Dec.-Jan.	5-7
8	Tomato	Sept.-Oct.		20	Dec.-Jan.	50-60
9	Carrot	Sept.-Oct.	4		Dec.-Jan.	5-7
10	Coriander	Sept.-Oct.	10		Dec.-Jan.	2-3

B) As Late Season Crop (approx. production 55-60 kg)

Sl. No.	Name of vegetables	Sowing Time	Seed requirement (g/5sqm)	Seedling requirement (/ 5sqm)	Availability	Approx. yield (Kg/5sqm)
1	Tomato	Dec.-Jan.		20	April.-May.	20-25
2	Cauliflower	Dec.-Jan.		25	April.-May.	15-20
3	Cabbage	Dec.-Jan.		25	April.-May.	15-20
4	Radish	Dec.-Jan.	5		April.-May.	5-7

C) As Summer Crop (approx. production 100-110 kg)

Sl. No.	Name of vegetables	Sowing Time	Seed requirement (g/5sqm)	Seedling requirement (/ 5sqm)	Availability	Approx. yield (Kg/5sqm)
1	Bhendi	Feb.-March	50		April.-May.	100
2	Yard Long bean	Feb.-March	25		April.-May.	100
3	Ridge gourd	Feb.-March	80		April.-May.	100
4	Snake gourd	Feb.-March	50		April.-May.	100
5	Bitter gourd	Feb.-March	50		April.-May.	100
6	Amaranthus	Feb.-March	50		April.-May.	100
7	Cucumber	Feb.-March	50		April.-May.	100

2.3.4 Plan for additional coverage of Potato :

It is proposed to cover 6 thousand ha. area in next two years with a productivity of around 20 t per ha that will give an yearly production of 1.2 lakh t which alone would raise the per capita per annum availability from 17 kg to 30 kg. To reach to that productivity it is necessary to assure replacement of seeds with seedling tuber (F₁ C₁) in 33% area annually i.e. to assure complete replacement of seed after every three years.

Year	Area (ha)	Production (Mt.)		Additional Production expected	Remarks
		At present productivity	At projected productivity		
2010-11	6000	90420	108000	17580	Per capita per annum availability will reach to around 28 kg. at the year 2011-12.
2011-12	6000	90420	114000	23580	

It is proposed to take up 220 ha additional area for cultivation of potato in selected potato growing belts in Bagafa, Rajnagar, Hrishyamukh, Matabari, Mohanpur, Khowai, Bishalgharh, Panisagar, Kumarghat Block of the state for taking up mostly the seedling tuber production under direct supervision of the concerned Sector Officers. Block wise existing and additional area targets and corresponding requirement of fertilizer etc. is shown in **Annexure V & XVIII**. The year wise involvement of fund is shown in **B(III)** of Table – 8.

CHAPTER – 3 : SUPPORTING OTHER ACTIVITIES

3.1 Floriculture :

Year wise projected targets under floriculture is shown in table – 9 below.

Crop	Target for terminal Year (ha)	Achievement upto 2009-10 (ha)	Balance to be covered (ha)	Area to be covered (ha)	
				2010-11	2011-12
Flower	250	108	142	89	53

It is expected that 250 ha – including 230 ha open cultivation and 20 ha protected cultivation – will be covered within 2011-12. Block wise additional areas to be covered during 2010-11 & 2011-12 is shown in **Annexure -VI** and corresponding requirements of fertilizer etc. is shown in **Annexure – XXII, XXIII, XXIV & XXV**. Year wise involvement of fund against cultivation of different flowers & other items during 2010-11 & 2011-12 is shown in the table -10 below :

Sl. No	Component	Rate (Rs.per ha./unit)	2010-11		2011-12	
			Phy	Fin	Phy	Fin
1	2	3	4	5	6	7
E	Flowers (0.2 Ha per unit)					
i	Orchid	0.1300	200	26.0000	150	19.5000
ii	Gerbera	0.1300	50	6.5000	30	3.9000
iii	Lilium/Gladiolus/Tuberose	0.1300	35	4.5500	20	2.6000
iv	Supprt to existing growers	0.1300	600	78.0000	600	78.0000
v	Drip irrigation	0.2850	300	85.5000	150	42.7500
vi	Green house (000'sq. mtr.)	1.2500	200	250.0000	150	187.5000
vii	Shade net ('000 sq. Mtr)	0.1400	2000	280.0000	2000	280.0000
viii	High tech Green House(1000 sqm)	3.2500	20	65.0000	20	65.0000
ix	Training (per nos,)	0.1500	500	75.0000	500	75.0000
	Total of flowers			870.5500		754.2500

3.2 Vegetable seed production :

Agro-techniques for production of seeds of suitable varieties of six different crops viz. Brinjal, Cauliflower, Tomato, Radish, Chilli and Okra have been standardized in the HRC, Nagicherra. The year wise production programme of foundation (FS) and certified seeds (CS) of selected varieties along with requirement of fertilizer, training and cost involvement is shown in table 11, 12 & 13.

Table : 11 Year wise vegetable seed production programme

Sl. No.	Crop	Variety	Achievement (Production in Kg)		Projected Production Programme.			
			2009-10		2010 – 11		2011 – 12	
			Foundation	Certified	F	C	F	C
1	Brinjal	Araka Keshab	0.4 Kg (Certified underway)	Nil	0.500	100	0.500	100
2	Cauliflower	Kasi Kunwari	1 Kg (Certified underway)	Nil	2.50	1000	2.50	1000
3	Tomato	Arka Sourav	Production underway	Nil	0.500	100	0.500	100
4	Radish	Pusa Chetki	Production underway	Production underway	50	2500	50	2500
5	Chilli	Pusa Sadabhar	7 Kg. (Certified underway)	Nil	5	500	5	500
6	Okra	VRO – 6 (Kashi Pragati)	18 Kg already produced	240 Kg.	50	2500	50	2500

Table No. 12: Requirement of Fertilizer(Kg) for vegetable seed production

Sl. No.	Crop	FS			CS			FS			CS			Crop wise Total		
		2010 - 11						2011 - 12								
		Urea	SSP	MOP	Urea	SSP	MOP	Urea	SSP	MOP	Urea	SSP	MOP	Urea	SSP	MOP
1	Radish	50	75	25	1000	1500	350	50	75	25	1000	1500	350	2100	3150	750
2	Okra	50	75	17.5	1000	1500	350	50	75	17.5	1000	1500	350	2100	3150	735
3	Chilli	25	37.5	18.75	1000	15000	750	25	37.5	18.75	1000	15000	750	2050	30075	1537.5
4	Brinjal	11	25	10	110	250	100	11	25	10	110	250	100	242	550	220
5	Tomato	24.2	37.5	81.1	242	375	81	24.2	37.5	81.1	242	375	81	532.4	825	324.2
6	Cauliflower	39	75	19.35	1300	2500	645	39	75	19.35	1300	2500	645	2678	5150	1328.7
Total		199.2	325	171.7	4652	21125	2276	199.2	325	171.7	4652	21125	2276	9702.4	42900	4895.4

Table No. 13 Production target and fund requirement for vegetable seed production															
Sl. No.	Crop	Production Target (Kg)				Fund Requirement for production (Rs.)					Fund Requirement for procurement (Rs.)				
		2010 - 11		2011 - 12		2010 - 11		2011 - 12		Total	2010 - 11		2011 - 12		Total
		FS	CS	FS	CS	FS	CS	FS	CS		FS	CS	FS	CS	
1	Radish	50	2500	50	2500	7000	111055	7000	111055	236110	0	575000	0	575000	1150000
2	Okra	50	2500	50	2500	5500	116680	5500	116680	244360	0	618750	0	618750	1237500
3	Chilli	5	500	5	500	5000	84880	5000	84880	179760	0	450000	0	450000	900000
4	Brinjal	0.5	100	0.5	100	5500	24560	5500	24560	60120	0	80000	0	80000	160000
5	Tomato	0.5	100	0.5	100	6250	28836	6250	28836	70172	0	150000	0	150000	300000
6	Cauliflower	2.5	1000	2.5	1000	7000	215610	7000	215610	445220	0	2500000	0	2500000	5000000

The component wise involvement of fund for the purpose in next two years is shown in **B(VI)** of Table – 8.

3.3 Establishment of Nurseries:

With the existing infrastructure available in the Govt. farms and nurseries, the Department can meet up only 60 % of the total requirement of planting materials in respect of fruit, plantation crops, spices and flowers. The existing farms and nurseries require further strengthening besides setting up of new nurseries under private and public sector. Year wise proposal for establishment of new nurseries is tabulated below :

Table : 14 Establishment of small and big nurseries

Programme / Activities	Unit	Year wise Phy. Target		
		10 – 11	11– 12	Total
i. Creation of small nursery (Pvt.) @ 0.30 lakh / Nos	Nos	20	20	40
ii. Creation of big nursery (Pvt.) @ 8.00 lakh / Nos	Nos	2	2	4
iii. Creation of big nursery (Public.) @ 18.00 lakh / Nos	Nos	2	2	4
Total		24	24	48

Component wise involvement of fund during 2010-11 & 2011-12 is shown in table 15 below:

Sl. No	Component	Rate (Rs.per ha./unit)	2010-11		2011-12	
			Phy	Fin	Phy	Fin
1	2	3	4	5	6	7
	Establishment of nurseries					
i	Augmentation of TC Lab.	12.21(per year)	1.00	12.2100	1	12.2100
ii	Estab. Of new TC Lab			108.7700		17.3600
iii	Creation of small nursery (Pvt.)	3.0000	20.00	60.0000	20	60.0000
iv	Creation of Big nursery (pvt.)	8.0000	2.00	16.0000	2	16.0000
v	Creation of big nursery (public.)	18.0000	2.00	36.0000	2	36.0000
vi	Rejuvenation of old Govt. Orchards			875.7500		600.0000
	Total			1108.7300		741.5700

3.4 Augmentation of Tissue-Culture Laboratory

Year wise production programme of TC Plantlets and corresponding financial involvement is shown in table-16 below :

Programme / Activities	Unit	Year wise Phy. Target			Fin. Involvement (Rs. In lakhs)		
		10 – 11	11– 12	Total	10 – 11	11– 12	Total
Augmentation of the existing T.C lab at HRC Nagicherra.	Lakh Nos	0.5	0.5	1.00	12.21	12.21	24.42

3.5 On Farm water Management/ creation of water sources :

Item wise programme for creation of water sources in next two years is shown in table – 17 below :

(Fin – Rs. In lakh)

Sl. No.	item	Unit	2010-11		2011-12	
			Phy	Fin	Phy	Fin
1.	Community tank	No	400	400.00	400	400.00
2.	Tube well	No.	2000	250.00	2000	250.00
3.	Drip Irrigation	Ha.	500	142.50	500	142.50

3.6 Organic Horticulture :

Year wise programme for promotion of organic horticulture with certification arrangements for pineapple as lead crop is shown in table – 18 below :

Programme	Physical target (ha)			Financial (lakh)		
	10-11	11-12	Total	10-11	11-12	Total
Organic production and certification of pineapple	340	340	340	104.21	104.21	208.42

3.7 Establishment of vermi compost units :

It is suggested for establishing 2000 more units in next two years for production and utilization of vermin - composts to supplement INM in vegetable crops only. Year wise physical and financial break-up is tabulated below.

Table : 19 Year wise programme for promotion of vermicompost :

Programme	Unit	Physical target (ha)			Financial (lakh)		
		10-11	11-12	Total	10-11	11-12	Total
Establishment of vermin compost unit @ Rs. 0.30 lakh/No	No.	1000	1000	2000	300.00	300.00	600.00

3.8 Mushroom cultivation :

Year wise proposed programme for providing assistance to woman individual/ SHG for production of mushroom, on pilot –scale and related training is suggested below. Each unit will produce about 250 kg of mushroom per year with an expected monthly of Rs. 1250/-.

Programme	Unit	Achivt. Upto 09-10	Physical target (No.)			Financial involvement (lakh)		
			10-11	11-12	Total	10-11	11-12	Total
Assistance @ Rs 5000/-	No.	404	180	180	360	9.00	9.00	18.00
Training @ Rs. 1000/-	No.	404	180	180	360	1.80	1.80	3.60
Total						10.80	10.80	21.60

3.9 Home scale processing of fruits & vegetables :

Following programme has been proposed for next two years for promotion of household processing of fruits, vegetables and spices by individual /SHG.

Table : 21 Year wise physical & financial target break-up

Progrm.	Unit	Achivt. Upto 09-10	Physical target (no.)			Financial involvement (lakh)		
			10-11	11-12	Total	10-11	11-12	Total
Assistance @ Rs 5000/-	No.	808	-	192	192	-	9.60	9.60
Training @ Rs. 1000/-	No.	808	108	192	300	1.08	1.92	3.00
Total						1.08	11.52	12.60

3.10 Farm Mechanization :

Year wise target for distribution of different agricultural equipments is shown in Table – 22 below .

Progrm.	Unit	Achivt. Upto 09-10	Physical target (no.)			Financial involvement (lakh)	
			10-11	11-12	Total	10-11	11-12
Powertiller	No.	1660	-	300		-	135.00
Manually operated sprayers etc.	No.	5366	6000	6000	4200	90.00	90.00
Diesel engine	No.	6780	318	382	700	15.90	19.10
Power operated	No.	1067	90	90	180	40.50	40.50
Total						146.40	284.60

3.11 Seminar /Workshop/Awareness Campaign etc.

Programme wise annual involvement in next two years is shown in Table – 23 below :

Sl. No	Component	Rate (Rs.per ha./unit)	2010-11		2011-12	
			Phy	Fin	Phy	Fin
1	2	3	4	5	6	7
1	Seminar/ Workshop/ Awareness campaign/ Publication	1.0000	10	10.00	10	10.00
2	Subdivisional level vegetable show	0.5000	22	11.00	22	11.00
3	State level fair, publication etc.		As per req.	20.00	As per req.	20.00

3.12 Strengthening Horticulture Organisation :

It is essential to open 14 more Horticulture & Soil Conservation Sub-Divisions co-terminus with Agri. Sub-Division to reach the technology and resources at the door step of every farmer even at the remotest place of the state. In view of the above, a year wise programme is phased out in table – 24 below.

Programme	Unit	Physical target (no.)		Financial involvement (lakh)	
		10-11	11-12	10-11	11-12
Opening of Hort. & Soil Cons. Sub-Div@ Rs. 10.00 lakh/no.	Nos.	8	6	760.00	570.00

CHAPTER 4 : ECONOMIC APPRAISAL :

4.1 Total production :

Crop wise total production of selected fruits, plantation crops, spices, vegetables, potato, flower, vermin compost and mushroom , during the terminal year (2011-12) and corresponding value thereof , as estimated, is shown in table 25 below

Table : 25 Estimated crop wise total production and value thereof

SI No	Crop	Cumulative production (MT)	Rate/MT (Rs. in lakh)	Value (Rs in lakh)
A.	Fruits			
1	Mango	16760	0.15	2514.00
2	Pineapple	140720	0.04	5628.80
3	Banana	109965	0.08	8797.20
4	Papaya	16305	0.06	978.30
5	Litchi	17124	0.25	4281.00
6	Jackfruits	259318	0.04	10372.72
7	Orange	22151	0.1	2215.10
B	Plantation			
1	Cashewnut	3984	0.4	1593.60
2	Coconut	8676	0.085	737.46
3	Arecanut	1108	0.8	886.40
C	Spices			
1	Ginger	11467	0.25	2866.75
2	Chilli	2926	0.25	731.50
3	Black Pepper	200	0.8	160.00
4	Betel vine (lakh/nos)	41340	0.3	12402.00
D	Vegetable(Summer)	220962	0.2	44192.40
E	Vegetable (Winter)	204832	0.18	36869.76
F.	Potato	114000	0.08	9120.00
G.	Kitchen Garden	16200	0.15	2430.00
H.	Flower	15	0.5	7.50
I	Vermi Compost	54925	0.04	2197.00
J	Mushroom	45	0.6	27.00
	Grand Total			149008.49

4.2 Total financial involvement :

Crop/ activity wise total financial involvement in the terminal year has been calculated and shown in table- 26 below .

Table : 26 Financial involvement

Rs. in lakh

SI No	Crop	Unit	Total coverage	Cost involvement/Ha	Total cost of cultivation
A.	Fruits				
1	Mango	Ha.	4690	0.41	1922.90
2	Pineapple	Ha.	7036	0.54	3799.44
3	Banana	Ha.	7916	0.78	6174.48
4	Papaya	Ha.	1594	0.75	1195.50
5	Litchi	Ha.	2762	0.199	549.64
6	Jackfruits	Ha.	7627	0.1	762.70
7	Orange	Ha.	3098	0.324	1003.75
B	Plantation	Ha.	15214	0.3	4564.20
C	Spices	Ha.	5385	0.6	3231.00
D	Vegetable(Summer)	Ha.	15783	0.35	5524.05
E	Vegetable (Winter)	Ha.	13215	0.35	4625.25
F	Potato	Ha.	6006	0.45	2702.70
G	Kitchen Garden	Ha.	480	0.25	120.00
H	Flower	Ha.	250	2.00	500.00
I	Vermi Compost	Nos	2000	0.30	600.00
J	Mushroom	Nos	360	0.06	21.60
K	Vegetable Seed Production	Kg	2005	-	500.00
L	Establishment of nursery	Nos	48	4.67	224.00
M	Augmentation of T.C Lab	Nos	1	24.42	24.42
N	On farm water management	Nos	2110	0.47	995.75
O	Organic Horticulture	Ha.	340	0.35	120.00
P	Home scale food proceesing	Nos	492	-	12.60
Q	Farm machanization	Nos	5080	-	242.00
R	Strengthening of Horti. Organization	Nos	14	10.00	140.00
S	HRD	Nos	-	-	2800.37
	Grand Total				42356.35

4.3 Cost benefit ratio :

Table : 27 Cost benefits ratio

Rs. in lakh				
SI No	Cost involvement	Return	Net Return	Cost benefits ratio
1	42356.35	149008.49	106652.14	3.52

4.4 Component wise total involvement of fund.

Table : 28 Year wise proposed physical & financial action plan for revised Perspective Plan for the year 2010-11 & 2011-12

SI No.	Component	2010-11	2011-12
1	2	4	5
1	Fruits	682.4365	631.8740
2	Vegetables	2794.1700	2928.1200
3	Plantation Crops	356.8500	357.7500
4	Spices	409.6750	316.0000
5	Flowers	870.5500	754.2500
6	Creation of Water Sources	792.5000	792.5000
7	Establishment of Nurseries	1108.7300	741.5700
8	Transfer of Technology	130.0000	50.0000
9	Organic Farming	104.2100	104.2100
10	Earth Worm Unit	300.0000	300.0000
11	Murshroom Cultivation	10.8000	10.8000
12	Homescale Processing	1.0800	11.5200
13	Farm Mechanization	146.4000	284.6000
14	Seminar/Workshop/Awarness campaign publication	10.0000	10.0000
15	Sub-divisional level vegetable shows	11.0000	11.0000
16	Strengthening Horticultural organization (Sub- Div. Office)	760.0000	570.0000
17	Augmentation of facilities of research & trail at HRC, Nagicherra	226.6100	76.5700
18	State level fair, publication etc.	20.0000	20.0000
	Grand Total	8735.0115	7970.7640

Table : 29 Suggested Flow of Fund (2010-11)

Rs. In lakh			
SI No	Schemes	Amount	% of share
1	Technology Mission (GOI)	3494.0000	40
2	State Plan	2183.7500	25
3	RKVY(GOI)	1310.2500	15
4	Growers Share	1747.0115	20
	Total	8735.0115	100

**PERSPECTIVE PLAN
(REVISED) FOR
DEVELOPMENT OF
HORTICULTURE
IN TRIPURA
(2002-2012)**

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Annexure - I

Block wise and Crop wise existing area under horti crops (2008-09)

SI No	Name of District	Name of Block	Total Fruits	Vegetables			Potato	Flower crops	Total Plantation crops	Total Spices	Total
				Summer	Winter	Total Vegetables					
1	West	1.Tulashikhar	348	344	170	514	25		136	54	1077
		2.Khowai	474	281	285	566	100		155	53	1348
		3.Samatal Padmabil	319	186	172	358	69		116	29	891
		4.Kalyanpur	383	231	198	429	38		143	38	1031
		5.Mungiakami	424	158	129	287	28		134	42	915
		6.Teliamura	586	639	554	1193	102		144	40	2065
		7.Mandai	687	223	170	393	10		120	74	1284
		8.Jirania	851	400	347	747	67	1	425	81	2172
		9.Hezamara	665	327	178	505	30		321	47	1568
		10.Mohanpur	1097	674	601	1275	120		389	75	2956
		11.Dukli	557	542	519	1061	134	8	258	130	2148
		12.Jampui Jala	580	482	433	915	40		199	126	1860
		13.Bishalgarh	898	732	1147	1879	531	24	396	175	3903
		14.Melaghar	686	759	738	1497	120		265	88	2656
		15.Boxanagar	524	174	213	387	40		240	70	1261
		16.kathalia	575	300	291	591	56		249	85	1556
		Non - Block	74	36	54	90		1	4	3	172
	Total	9728	6488	6199	12687	1510	34	3694	1210	28863	
2	South	1.Matabari	567	474	616	1090	342		220		2219
		2.Killa	794	184	205	389	87		154		1424
		3.Kakraban	264	476	480	956	202		157		1579
		4.Ampi	620	178	216	394	91		273		1378
		5.Amarpur	902	214	266	480	178		244		1804
		6.Korbook	569	155	203	358	59		299		1285
		7.Bagafa	2960	489	496	985	886		1223		6054
		8.Rajnagar	1128	226	261	487	263		2776		4654
		9.Hrishyamukh	812	321	200	521	88		450		1871
		10.Rupaicharri	136	173	121	294	127		467		1024
		11.Satchand	964	423	369	792	267		283		2306
			Total	10422	3313	3433	6746	2590		6546	2324
3	Dhalai	1.Ambassa	782	340	244	584	149	3	165	104	1787
		2.Salema	1743	652	578	1230	400	7	388	140	3908
		3.Damburnagar	514	138	76	214	58		84	113	983
		4.Manu	2227	230	133	363	45		445	32	3112
		5.Chawmanu	982	116	45	161	9		295	22	1469
			Total	6248	1476	1076	2552	661	10	1377	411

4	North	1.Kadamtala	1094	304	251	555	175	16	437	77	2354
		2.Panisagar	1584	952	790	1742	354	49	482	237	4448
		3.Pencharthal	719	158	153	311	46	2	270	55	1403
		4.Dasda	1133	183	109	292	52		184	71	1732
		5.Damcherra	617	15	13	28	5		215	12	877
		6.Jampui Hill	1824	60	2	62			224	33	2143
		7.Kumarghat	1570	355	260	615	198	6	348	63	2800
		8.Gournagar	1194	478	428	906	195	16	499	182	2992
		Total	9735	2505	2006	4511	1025	89	2659	730	18749
		Grand Total	36133	13782	12714	26496	5786	133	14276	4675	87499

Block-wise availability of additional area (2010-11)

SI No	Name of District	Name of Block	Fruits	Vegetables			Potato	Flower	Plantation crops	Spices	Total
				Summer	Winter	Total					
1	2	3	4	5	6	7	8	9	10	11	12
1	West Tripura	1.Tulashikhar	63	74		74	10		20	35	202
		2.Khowai	65	40	46	86	16	2	12	13	194
		3.Samatal Padmabil	64	23	19	42	4		5	6	121
		4.Kalyanpur	72	48	22	70				11	153
		5.Mungiakami	347	27	17	44	5			105	501
		6.Teliamura		47		47	15				62
		7.Mandai	37	28	35	63	12		8	7	127
		8.Jirania	138	115	71	186	23	8		77	432
		9.Hezamara	119	99	65	164	12	8	21	44	368
		10.Mohanpur	76	211	141	352	5	24	15	26	498
		11.Dukli	11	3	41	44	6	1	10	5	77
		12.Jampui Jala	271	408	249	657	98		40	97	1163
		13.Bishalgarh	650	1535	1312	2847	188	2	75	185	3947
		14.Melaghar	74	156		156	6		12	5	253
		15.Boxanagar	64	48	40	88	5		8	4	169
		16.kathalia	64	107	58	165	5	3	11	4	252
		Total	2115	2969	2116	5085	410	48	237	624	8519
2	South Tripura	1.Matabari	83	206	87	293	153		30	54	613
		2.Killa	56	86	125	211	57		16	16	356
		3.Kakraban	36	144	236	380	225		18	31	690
		4.Ampi	123	52	22	74	17		22	17	253
		5.Amarpur	72	46	34	80	25		28	23	228
		6.Korbook	56	30	12	42	17		21	16	152
		7.Bagafa	115	134	143	277	218		220	58	888
		8.Rajnagar	300	237	394	631	221		47	39	1238
		9.Hrishyamukh	55	129	108	237	19		120	24	455
		10.Rupaicharri	10	115	82	197	10		65	19	301
		11.Satchand	166	207	161	368	37		87	33	691
		Total	1072	1386	1404	2790	999	0	674	330	5865
3	Dhalai	1.Ambassa	160	138	72	210	75		40		485
		2.Salema	330	254	153	407	153	3	54		947
		3.Damburnagar	96	242	133	375	20	1	26	25	543
		4.Manu	141	325	146	471	20	1	22	42	697
		5.Chawmanu	76	78	48	126	15	1	15		233
				Total	803	1037	552	1589	283	6	157
4	North	1.Kadamtala	61	102	81	183	15	7	19	41	326
		2.Panisagar	105	117	146	263	45	5	34	47	499
		3.Pencharthal	115	128	61	189	20	2	43	21	390
		4.Dasda	190	108	37	145	20	2	45	27	429
		5.Damcherra	83	17	14	31	6		59	18	197
		6.3Jampui Hill	107	6		6			6	11	130
		7.Kumarghat	71	176	163	339	40	4	22	18	494
		8.Gournagar	396	303	289	592	81	3	101	149	1322
		Total	1128	957	791	1748	227	23	329	332	3787
	State	Grand Total	5118	6349	4863	11212	1919	77	1397	1353	21076

Annexure - III**Block wise additional areas targets for fruits (2010-11)**

SI No	Name of District	Name of Block	Unit	Fruits						
				Mango	Pine apple	Orange	Jack fruit	Banana	Papaya	Total
1	West	1.Mungiakami	Ha	25	25			20	15	85
		2.Jirania	Ha	15				10	15	40
		3.Hezamara	Ha	20	25			20		65
		4.Jampui Jala	Ha	15	30			10	15	70
		5.Bishalgarh	Ha	25	20			20	15	80
		6.kathalia	Ha	20						20
		Total	Ha	120	100	0	0	80	60	360
2	South	1.Matabari	Ha	10	15			10	5	40
		2.Bagafa	Ha	10				20	10	40
		3.Rajnagar	Ha	50	10			20	15	95
		4.Satchand	Ha	10	25			20	10	65
		Total	Ha	80	50	0	0	70	40	240
3	Dhalai	1.Ambassa	Ha	10	30			15	5	60
		2.Salema	Ha	10				5	10	25
		3.Damburnagar	Ha					15		15
		4.Manu	Ha		50			15	5	70
		Total	Ha	20	80	0	0	50	20	170
4	North	1.Panisagar	Ha		15				10	25
		2.Pencharthal	Ha		15			10		25
		3.Dasda	Ha	15	25			15		55
		4.Damcherra	Ha						10	10
		5.Kumarghat	Ha		35					35
		6.Gournagar	Ha	15	30			25	10	80
		Total	Ha	30	120	0	0	50	30	230
		Grand Total	Ha	250	350	0	0	250	150	1000

Annexure - IV**Block wise additional areas targets for fruits (2011-12)**

Sl. No.	District	Block	Unit	Mango	Pineapple	Orange	Jackfruit	Banana	Papaya	Total
1	West	1.Mungiakami	Ha	25	25			20	15	85
		2.Jirania	Ha	15				10	15	40
		3.Hezamara	Ha	20	25			20		65
		4.Jampui Jala	Ha	15	30			10	15	70
		5.Bishalgarh	Ha	25	20			20	15	80
		6.kathalia	Ha	20						20
		Total	Ha	120	100	0	0	80	60	360
2	South	1.Matabari	Ha	10	15			10	5	40
		2.Bagafa	Ha	10				20	10	40
		3.Rajnagar	Ha	50	10			20	15	95
		4.Satchand	Ha	10	25			20	10	65
		Total	Ha	80	50	0	0	70	40	240
3	Dhalai	1.Ambassa	Ha	10	30			15	5	60
		2.Salema	Ha	10				5	10	25
		3.Damburnagar	Ha					15		15
		4.Manu	Ha		50			15	5	70
		Total	Ha	20	80	0	0	50	20	170
4	North	1.Panisagar	Ha		15				10	25
		2.Pencharthal	Ha		15			10		25
		3.Dasda	Ha	15	25			15		55
		4.Damcherra	Ha						10	10
		5.Kumarghat	Ha		35					35
		6.Gournagar	Ha	15	30			25	10	80
		Total	Ha	30	120	0	0	50	30	230
		Grand Total	Ha	250	350	0	0	250	150	1000

Block wise additional areas targets for vegetable (2010-11)

Vegetables		Area in Hectare											
SI No	District	Name of Block	Summer Vegetables									Total Winter Vegetable	Total Vegetables
			Colocasia	Elephant Foot Yam	Pointed Gourd	Spine Gourd	Summer Cabbage	Summer Cauliflower	Amaranthus	Leafy Vegetables	Total Summer Vegetable		
1	West	1.Kalyanpur	10	10	10	10	20	20	8	8	96	40	136
		2.Hezamara	20	30	20	20	30	30	14	14	178	40	218
		3.Mohanpur	10	10	10	10			6	6	52	10	62
		4.Jampui Jala									0	20	20
		5.Bishalgarh	20	30	20	10	30	30	16	16	172	40	212
		6.Melaghar	20	20	20	20	20	20	16	16	152	10	162
		Total	80	100	80	70	100	100	60	60	650	160	810
2	South	1.Matabari	12	12	12	10	20	20	10	10	106	10	116
		2.Killa									0	10	10
		3.Kakraban	8	8	8						24	20	44
		4.Bagafa	20	20	20	10	20	20	10	10	130	30	160
		5.Rajnarar	20	20	20	10	20	20	10	10	130	40	170
		6.Hrishyamukh									0	10	10
		7.Satchand	20	20	20	10	20	20	10	10	130	40	170
		Total	80	80	80	40	80	80	40	40	520	160	680
3	Dhalai	1.Ambassa	10	10	10	6			6	6	48		48
		2.Salema	10	10	10	10	20	20	10	10	100	20	120
		3.Damburnagar	10	10	10	6			6	6	48	20	68
		4.Manu	10	10	10	8	20	20	8	8	94	20	114
		Total	40	40	40	30	40	40	30	30	290	60	350
4	North	1.Kadamtala	20	20	20	14	20	20	10	10	134	30	164
		2.Pencharthal	20	20	20	14	20	20	10	10	134	10	144
		3.Dasda	20	20	20	16	20	20	10	10	136	30	166
		4.Kumarghat	10	10	10	8	10	10	4	4	66	10	76
		5.Gournagar	10	10	10	8	10	10	6	6	70	40	110
		Total	80	80	80	60	80	80	40	40	540	120	660
Grand Total			280	300	280	200	300	300	170	170	2000	500	2500

Block wise additional area targets for vegetable (2011-12)

Vegetables		Area in Hectare											
SI No	District	Name of Block	Summer Vegetables									Total Winter Vegetable	Total Vegetables
			Colocasia	Elephant Foot Yam	Pointed Gourd	Spine Gourd	Summer Cabbage	Summer Cauliflower	Ameranthus	Leafy Vegetables	Total Summer Vegetable		
1	West	1.Kalyanpur	10	10	10	10	20	20	8	8	96	40	136
		2.Hezamara	20	30	20	20	30	30	14	14	178	40	218
		3.Mohanpur	10	10	10	10			6	6	52	10	62
		4.Jampui Jala									0	20	20
		5.Bishalgarh	20	30	20	10	30	30	16	16	172	40	212
		6.Melaghar	20	20	20	20	20	20	16	16	152	10	162
		Total	80	100	80	70	100	100	60	60	650	160	810
2	South	1.Matabari	12	12	12	10	20	20	10	10	106	10	116
		2.Killa									0	10	10
		3.Kakraban	8	8	8						24	20	44
		4.Bagafa	20	20	20	10	20	20	10	10	130	30	160
		5.Rajnagar	20	20	20	10	20	20	10	10	130	40	170
		6.Hrishyamukh									0	10	10
		7.Satchand	20	20	20	10	20	20	10	10	130	40	170
		Total	80	80	80	40	80	80	40	40	520	160	680
3	Dhalai	1.Ambassa	10	10	10	6			6	6	48		48
		2.Salema	10	10	10	10	20	20	10	10	100	20	120
		3.Damburnagar	10	10	10	6			6	6	48	20	68
		4.Manu	10	10	10	8	20	20	8	8	94	20	114
		Total	40	40	40	30	40	40	30	30	290	60	350
4	North	1.Kadamtala	20	20	20	14	20	20	10	10	134	30	164
		2.Pencharthal	20	20	20	14	20	20	10	10	134	10	144
		3.Dasda	20	20	20	16	20	20	10	10	136	30	166
		4.Kumarghat	10	10	10	8	10	10	4	4	66	10	76
		5.Gournagar	10	10	10	8	10	10	6	6	70	40	110
		Total	80	80	80	60	80	80	40	40	540	120	660
Grand Total			280	300	280	200	300	300	170	170	2000	500	2500

Annexure – VII**Block wise additional area targets for potato (2010 – 12).**

Sl No	Name of District	Name of Block	Potato (existing)	Additional area to be brought (Ha)		Total area to be brought by 2012 (existing + additional)
				2010-11	2011-12	
1	West	1.Tulashikhar	25			25
		2.Khowai	100	3	3	106
		3.Samatal Padmabil	69			69
		4.Kalyanpur	38			38
		5.Mungiakami	28			28
		6.Teliamura	102			102
		7.Mandai	10			10
		8.Jirania	67			67
		9.Hezamara	30			30
		10.Mohanpur	120	3	3	126
		11.Dukli	134			134
		12.Jampui Jala	40			40
		13.Bishalgarh	531	4	4	539
		14.Melaghar	120			120
		15.Boxanagar	40			40
		16.kathalia	56			56
		Total	1510	10	10	1530
2	South	1.Matabari	342	18	18	378
		2.Killa	87			87
		3.Kakraban	202			202
		4.Ampi	91			91
		5.Amarpur	178			178
		6.Korbook	59			59
		7.Bagafa	886	25	25	936
		8.Rajnagar	263	20	20	303
		9.Hrishyamukh	88	25	25	138
		10.Rupaicharri	127			127
		11.Satchand	267			267
		Total	2590	88	88	2766
3	Dhalai	1.Ambassa	149			149
		2.Salema	400			400
		3.Damburnagar	58			58
		4.Manu	45			45
		5.Chawmanu	9			9
		Total	661	0	0	661
4	North	1.Kadamtala	175			175
		2.Panisagar	354	6	6	366
		3.Pencharthal	46			46
		4.Dasda	52			52
		5.Damcherra	5			5
		6.Kumarghat	198	6	6	210
		7.Gournagar	195			195
		Total	1025	12	12	1049
		Grand Total	5786	110	110	6006

Annexure – VIII

Block wise additional area targets for flower (2010 – 12).

Sl No	Name of District	Name of Block	Flower (existing)	Additional area (open)	Additional area (Protected)	Additional area (open)	Additional area (Protected)	Total area by 2012
				2010-11		2011-12		
1	West	Jirania	1	10	1	2	1	15
		Mohanpur		10		2		12
		Dukli	8	15	1	4	1	29
		Bishalgarh	24	18	2	5	2	51
		Non - Block	1	4				5
		Total	34	57	4	13	4	112
2	South	Matabari	0	10	1	3	1	15
		Rajnagar		6	1	2	1	10
		Total	0	16	2	5	2	25
3	Dhalai	Ambassa	3					3
		Salema	7					7
		Total	10	0	0	0	0	10
4	North	Kadamtala	16					16
		Panisagar	49	6		2		57
		Pencharthal	2					2
		Kumarghat	6					6
		Gournagar	16	4		2		22
		Total	89	10	0	4	0	103
		Grand Total	133	83	6	22	6	250

Block wise Requirement of Planting materials for additional coverage of fruits (2010-11 / 2011 – 12)

Sl No	Name of District	Name of Block	Unit	Mango	Pineapple	Banana	Papaya	Total
1	West	1.Mungiakami	Nos	10000	1100000	40000	37500	1187500
		2.Jirania	Nos	6000	0	20000	37500	63500
		3.Hezamara	Nos	8000	1100000	40000	0	1148000
		4.Jampui Jala	Nos	6000	1320000	20000	37500	1383500
		5.Bishalgarh	Nos	10000	880000	0	37500	927500
		6.kathalia	Nos	8000	0	40000	0	48000
		Total	Nos	48000	4400000	160000	150000	4758000
2	South	1.Matabari	Nos	4000	660000	20000	12500	696500
		2.Bagafa	Nos	4000	0	40000	25000	69000
		3.Rajnagar	Nos	20000	440000	40000	37500	537500
		4.Satchand	Nos	4000	1100000	40000	25000	1169000
		Total	Nos	32000	2200000	140000	100000	2472000
3	Dhalai	1.Ambassa	Nos	4000	1320000	30000	12500	1366500
		2.Salema	Nos	4000	0	10000	25000	39000
		3.Damburnagar	Nos	0	0	30000	0	30000
		4.Manu	Nos	0	2200000	30000	12500	2242500
		Total	Nos	8000	3520000	100000	50000	3678000
4	North	1.Panisagar	Nos	0	660000	0	25000	685000
		2.Pencharthal	Nos	0	660000	20000	0	680000
		3.Dasda	Nos	6000	1100000	30000	0	1136000
		4.Damcherra	Nos	0	0	0	25000	25000
		5.Kumarghat	Nos	0	1540000	0	0	1540000
		6.Gournagar	Nos	6000	1320000	50000	25000	1401000
		Total	Nos	12000	5280000	100000	75000	5467000
		Grand Total	Nos	100000	15400000	500000	375000	16375000

Financial involvement for Planting materials for additional coverage of fruits (2010 - 11& 2011 – 12).

A)Planting materials

SI No	Year	Component	Quantity of Planting Materials/ Seed Reqd.	Amount Involvement (Rs in Lakh)
A		Fruit		
1	2010 - 11	Mango	1.00 lakh nos.	30.00
2		Pineapple	154.00 lakh nos.	154.00
3		Banana	5.00 lakh nos.	60.00
4		Papaya	3.75 lakh nos.	18.75
		Total		262.75
1	2011-12	Mango	1.00 lakh nos.	30.00
2		Pineapple	154.00 lakh nos.	154.00
3		Banana	5.00 lakh nos.	60.00
4		Papaya	3.75 lakh nos.	18.75
		Total		262.75
		Grand Total		525.50

Block-wise Requirement of Fertilizers for additional coverage of fruits (MT) during 2010-11

SI No	District	Name of Block	Mango			Pineapple			Banana			Papaya			Total Requirement		
			Urea	RP	MOP	Urea	RP	MOP	Urea	RP	MOP	Urea	RP	MOP	Urea	RP	MOP
1	West Tripura	1.Mungiakami	0.8	0.35	0.8	22	22	16.5	20	18	28	18.75	37.5	22.5	61.55	77.85	67.8
		6.Teliamura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7.Mandai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2.Jirania	0.48	0.21	0.48	0	0	0	10	9	14	18.75	37.5	22.5	29.23	46.71	36.98
		3.Hezamara	0.64	0.28	0.64	22	22	16.5	20	18	28	0	0	0	42.64	40.28	45.14
		10.Mohanpur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11.Dukli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4.Jampui Jala	0.48	0.21	0.48	26.4	26.4	19.8	10	9	14	18.75	37.5	22.5	55.63	73.11	56.78
		5.Bishalgarh	0.8	0.35	0.8	17.6	17.6	13.2	20	18	28	18.75	37.5	22.5	57.15	73.45	64.5
		14.Melaghar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		15.Boxanagar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				6.kathalia	0.64	0.28	0.64	0	0	0	0	0	0	0	0	0.64	0.28
		Total	3.84	1.68	3.84	88	88	66	80	72	112	75	150	90	246.84	311.68	271.84
2	South Tripura	1.Matabari	0.32	0.14	0.32	13.2	13.2	9.9	10	9	14	6.25	12.5	7.5	29.77	34.84	31.72
		2.Killa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3.Kakraban	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4.Ampi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5.Amarpur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6.Korbook	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2.Bagafa	0.32	0.14	0.32	0	0	0	20	18	28	12.5	25	15	32.82	43.14	43.32
		3.Rajnagar	1.6	0.7	1.6	8.8	8.8	6.6	20	18	28	18.75	37.5	22.5	49.15	65	58.7
		9.Hrishyamukh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10.Rupaicharri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4.Satchand	0.32	0.14	0.32	22	22	16.5	20	18	28	12.5	25	15	54.82	65.14	59.82
				Total	2.56	1.12	2.56	44	44	33	70	63	98	50	100	60	166.56
3	Dhalai	1.Ambassa	0.32	0.14	0.32	26.4	26.4	19.8	15	13.5	21	6.25	12.5	7.5	47.97	52.54	48.62
		2.Salema	0.32	0.14	0.32	0	0	0	5	4.5	7	12.5	25	15	17.82	29.64	22.32
		3.Damburnagar	0	0	0	0	0	0	15	13.5	21	0	0	0	15	13.5	21
		4.Manu	0	0	0	44	44	33	15	13.5	21	6.25	12.5	7.5	65.25	70	61.5
		5.Chawmanu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Total	0.64	0.28	0.64	70.4	70.4	52.8	50	45	70	25	50	30	146.04
4	North	1.Kadamtala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.Panisagar	0	0	0	13.2	13.2	9.9	0	0	0	12.5	25	15	25.7	38.2	24.9
		2.Pencharthal	0	0	0	13.2	13.2	9.9	10	9	14	0	0	0	23.2	22.2	23.9
		3.Dasda	0.48	0.21	0.48	22	22	16.5	15	13.5	21	0	0	0	37.48	35.71	37.98
		4.Damcherra	0	0	0	0	0	0	0	0	0	12.5	25	15	12.5	25	15
		6.Jampui Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5.Kumarghat	0	0	0	30.8	30.8	23.1	0	0	0	0	0	0	30.8	30.8	23.1
		6.Gournagar	0.48	0.21	0.48	26.4	26.4	19.8	25	22.5	35	12.5	25	15	64.38	74.11	70.28
		Total	0.96	0.42	0.96	105.6	105.6	79.2	50	45	70	37.5	75	45	194.06	226.02	195.16
		Grand Total	8	3.5	8	308	308	231	250	225	350	187	375	225	753.5	911.5	814

Annexure – XII

Block-wise Requirement of fertilizers for additional coverage of fruits(MT) during 2011-12

SI No	District	Name of Block	Mango			Pineapple			Banana			Papaya			Total Requirement			
			Urea	RP	MOP	Urea	RP	MOP	Urea	RP	MOP	Urea	RP	MOP	Urea	RP	MOP	
1	West Tripura	1.Tulashikhar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2.Khowai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3.Samatal Padmabil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4.Kalyanpur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1.Mungiakami	0.8	0.35	0.8	22	22	16.5	20	18	28	18.75	37.5	22.5	61.55	77.85	67.8	
		6.Teliamura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7.Mandai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2.Jirania	0.48	0.21	0.48	0	0	0	10	9	14	18.75	37.5	22.5	29.23	46.71	36.98	
		3.Hezamara	0.64	0.28	0.64	22	22	16.5	20	18	28	0	0	0	42.64	40.28	45.14	
		10.Mohanpur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11.Dukli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4.Jampui Jala	0.48	0.21	0.48	26.4	26.4	19.8	10	9	14	18.75	37.5	22.5	55.63	73.11	56.78	
		5.Bishalgarh	0.8	0.35	0.8	17.6	17.6	13.2	20	18	28	18.75	37.5	22.5	57.15	73.45	64.5	
		14.Melaghar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		15.Boxanagar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.kathalia	0.64	0.28	0.64	0	0	0	0	0	0	0	0	0	0.64	0.28	0.64			
Total	3.84	1.68	3.84	88	88	66	80	72	112	75	150	90	246.8	311.7	271.8			
2	South Tripura	1.Matabari	0.32	0.14	0.32	13.2	13.2	9.9	10	9	14	6.25	12.5	7.5	29.77	34.84	31.72	
		2.Killa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3.Kakraban	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		4.Ampi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5.Amarpur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6.Korbook	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2.Bagafa	0.32	0.14	0.32	0	0	0	20	18	28	12.5	25	15	32.82	43.14	43.32	
		3.Rajnagar	1.6	0.7	1.6	8.8	8.8	6.6	20	18	28	18.75	37.5	22.5	49.15	65	58.7	
		9.Hrishyamukh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		10.Rupaicharri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		4.Satchand	0.32	0.14	0.32	22	22	16.5	20	18	28	12.5	25	15	54.82	65.14	59.82	
Total	2.56	1.12	2.56	44	44	33	70	63	98	50	100	60	166.6	208.1	193.6			
3	Dhalai	1.Ambassa	0.32	0.14	0.32	26.4	26.4	19.8	15	13.5	21	6.25	12.5	7.5	47.97	52.54	48.62	
		2.Salema	0.32	0.14	0.32	0	0	0	5	4.5	7	12.5	25	15	17.82	29.64	22.32	
		3.Damburnagar	0	0	0	0	0	0	15	13.5	21	0	0	0	15	13.5	21	
		4.Manu	0	0	0	44	44	33	15	13.5	21	6.25	12.5	7.5	65.25	70	61.5	
		5.Chawmanu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	0.64	0.28	0.64	70.4	70.4	52.8	50	45	70	25	50	30	146	165.7	153.4	
4	North	1.Kadamtala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1.Panisagar	0	0	0	13.2	13.2	9.9	0	0	0	12.5	25	15	25.7	38.2	24.9	
		2.Pencharthal	0	0	0	13.2	13.2	9.9	10	9	14	0	0	0	23.2	22.2	23.9	
		3.Dasda	0.48	0.21	0.48	22	22	16.5	15	13.5	21	0	0	0	37.48	35.71	37.98	
		4.Damcherra	0	0	0	0	0	0	0	0	0	12.5	25	15	12.5	25	15	
		6.Jampui Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5.Kumarghat	0	0	0	30.8	30.8	23.1	0	0	0	0	0	0	30.8	30.8	23.1	
		6.Gournagar	0.48	0.21	0.48	26.4	26.4	19.8	25	22.5	35	12.5	25	15	64.38	74.11	70.28	
Total	0.96	0.42	0.96	105.6	105.6	79.2	50	45	70	37.5	75	45	194.1	226	195.2			
		Grand Total	8.0	3.5	8.0	308.0	308.0	231.0	250.0	225.0	350.0	187.5	375.0	225.0	753.5	911.5	814.0	

Crop wise requirement of planting material and fertilizer for additional coverage of fruits during 2010-11 & 2011-12

Component	Year	Crop	Additional area (Ha)	Requirement of planting Material (Lakh Nos.)	Requirement of Fertilizer(MT)				Cost Involvement (Lakh)		
					Urea	RP	MOP	SSP	Planting Material	Fertilizer	Total
Fruit	2010-11	Mango	250	1.000	8.00	3.50	8.00	0.00	30.00	1.10	31.10
		Pineapple	350	154.000	308.00	308.00	231.00	0.00	154.00	45.76	199.76
		Banana	250	5.000	250.00	225.00	350.00	0.00	60.00	46.43	106.43
		Papaya	150	3.750	187.50	375.00	225.00	0.00	18.75	42.24	60.99
		Total Fruit	1000	163.750	753.50	912.00	814.00	0.00	262.75	135.53	398.28
Fruit	2011-12	Mango	250	1.000	8.00	3.50	8.00	0.00	30.00	1.10	31.10
		Pineapple	350	154.000	308.00	308.00	231.00	0.00	154.00	45.76	199.76
		Banana	250	5.000	250.00	225.00	350.00	0.00	60.00	46.43	106.43
		Papaya	150	3.750	187.50	375.00	225.00	0.00	18.75	42.24	60.99
		Total Fruit	1000	163.750	753.50	912.00	814.00	0.00	262.75	135.53	398.28
Grand Total			2000		1507	1824	1628	0	525.5	271.06	796.56

Block wise Requirement of vegetable seed/seedlings during 2010-11

Vegetable

SI No	District	Name of Block	Colocasia (MT)	Elephant Foot Yam (MT)	Pointed Gourd (Nos)	Spine Gourd (Nos)	Summer Cabbage (Kg)	Summer Cauliflower (Kg)	Amarent hus (Kg)	Leafy Vegetable (Kg)	Winter Vegetable (Kg)		
1	West	1.Kalyanpur	15	20	6400	25000	10	10	16	16	60		
		2.Hezamara	30	60	12800	50000	15	15	28	28	60		
		3.Mohanpur	15	20	6400	25000	0	0	12	12	15		
		11.Dukli	0	0	0	0	0	0	0	0	0		
		4.Jampui Jala	0	0	0	0	0	0	0	0	30		
		5.Bishalgarh	30	60	12800	25000	15	15	32	32	60		
		6.Melaghar	30	40	12800	50000	10	10	32	32	15		
		Total	120	200	51200	175000	50	50	120	120	240		
2	South	1.Matabari	18	24	7680	25000	10	10	20	20	15		
		2.Kakraban	12	16	5120	0	0	0	0	0	30		
		3.Bagafa	30	40	12800	25000	10	10	20	20	45		
		4.Rajnagar	30	40	12800	25000	10	10	20	20	60		
		5.Hrishyamukh	0	0	0	0	0	0	0	0	15		
		10.Rupaicharri	0	0	0	0	0	0	0	0	0		
		6.Satchand	30	40	12800	25000	10	10	20	20	60		
		Total	120	160	51200	100000	40	40	80	80	240		
3	Dhalai	1.Ambassa	15	20	6400	15000	10	10	12	12	0		
		2.Salema	15	20	6400	25000	0	0	20	20	30		
		3.Damburnagar	15	20	6400	15000	0	0	12	12	30		
		4.Manu	15	20	6400	20000	10	10	16	16	30		
				Total	60	80	25600	75000	20	20	60	60	90
4	North	1.Kadamtala	30	40	12800	35000	10	10	20	20	45		
		2.Pencharthal	30	40	12800	35000	10	10	20	20	15		
		3.Dasda	30	40	12800	40000	10	10	20	20	45		
		4.Kumarghat	15	20	6400	20000	5	5	8	8	15		
		5.Gournagar	15	20	6400	20000	5	5	12	12	60		
				Total	120	160	51200	150000	40	40	80	80	180
				Grand Total	420	600	179200	500000	150	150	340	340	750

Block wise Requirement of vegetable seed/seedlings during 2011-12

SI No	District	Name of Block	Colo casia (MT)	Elephant Foot Yam (MT)	Pointed Gourd (Nos)	Spine Gourd (Nos)	Summer Cabbage (Kg)	Summer Cauliflower (Kg)	Amare nthus (Kg)	Leafy Vegetable (Kg)	Winter Vegetable (Kg)
1	West	1.Tulashikhar	0	0	0	0	0	0	0	0	0
		2.Khowai	0	0	0	0	0	0	0	0	0
		3.Samatal Padmabil	0	0	0	0	0	0	0	0	0
		1.Kalyanpur	15	20	6400	25000	10	10	16	16	60
		5.Mungiakami	0	0	0	0	0	0	0	0	0
		6.Teliamura	0	0	0	0	0	0	0	0	0
		7.Mandai	0	0	0	0	0	0	0	0	0
		8.Jirania	0	0	0	0	0	0	0	0	0
		2.Hezamara	30	60	12800	50000	15	15	28	28	60
		3.Mohanpur	15	20	6400	25000	0	0	12	12	15
		11.Dukli	0	0	0	0	0	0	0	0	0
		4.Jampui Jala	0	0	0	0	0	0	0	0	30
		5.Bishalgarh	30	60	12800	25000	15	15	32	32	60
		6.Melaghar	30	40	12800	50000	10	10	32	32	15
		15.Boxanagar	0	0	0	0	0	0	0	0	0
		16.kathalia	0	0	0	0	0	0	0	0	0
		Total	120	200	51200	175000	50	50	120	120	240
2	South	1.Matabari	18	24	7680	25000	10	10	20	20	15
		2.Killa	0	0	0	0	0	0	0	0	15
		2.Kakraban	12	16	5120	0	0	0	0	0	30
		4.Ampi	0	0	0	0	0	0	0	0	0
		5.Amarpur	0	0	0	0	0	0	0	0	0
		6.Korbook	0	0	0	0	0	0	0	0	0
		3.Bagafa	30	40	12800	25000	10	10	20	20	45
		4.Rajnagar	30	40	12800	25000	10	10	20	20	60
		5.Hrishyamukh	0	0	0	0	0	0	0	0	15
		10.Rupaicharri	0	0	0	0	0	0	0	0	0
		6.Satchand	30	40	12800	25000	10	10	20	20	60
				Total	120	160	51200	100000	40	40	80
3	Dhalai	1.Ambassa	15	20	6400	15000	10	10	12	12	0
		2.Salema	15	20	6400	25000	0	0	20	20	30
		3.Damburnagar	15	20	6400	15000	0	0	12	12	30
		4.Manu	15	20	6400	20000	10	10	16	16	30
		5.Chawmanu	0	0	0	0	0	0	0	0	0
				Total	60	80	25600	75000	20	20	60
4	North	1.Kadamtala	30	40	12800	35000	10	10	20	20	45
		2.Panisagar	0	0	0	0	0	0	0	0	0
		2.Pencharthal	30	40	12800	35000	10	10	20	20	15
		3.Dasda	30	40	12800	40000	10	10	20	20	45
		5.Damcherra	0	0	0	0	0	0	0	0	0
		6.Jampui Hill	0	0	0	0	0	0	0	0	0
		4.Kumarghat	15	20	6400	20000	5	5	8	8	15
		5.Gournagar	15	20	6400	20000	5	5	12	12	60
				Total	120	160	51200	150000	40	40	80
Grand Total			420	600	179200	500000	150	150	340	340	750

**Financial involvement for seeds / seedlings for additional coverage of
vegetables (2010 – 11 & 2011-12)**

SI No	Year	Component	Quantity of Planting Materials/ Seed Reqd.	Amount Involvement (Rs in Lakh)
		Vegetables		
1	2010 - 11	Colocasia	420.00 MT	84.00
2		Eleplant Foot Yam	600.00 MT	90.00
3		Pointed Gourd	1.792 lakh nos.	2.69
4		Spine Gourd	5.00 lakh nos.	7.50
5		Summer Cabbage	150 kg	30.00
6		Summer Cauliflower	150 kg	30.00
7		Amarenthus	340 kg	3.40
8		Leafy Vegetables	340 kg	3.40
9		Winter Vegetables	750 kg	75.00
			Total of Vegetables	
1	2011-12	Colocasia	420.00 MT	84.00
2		Eleplant Foot Yam	600.00 MT	90.00
3		Pointed Gourd	1.792 lakh nos.	2.69
4		Spine Gourd	5.00 lakh nos.	7.50
5		Summer Cabbage	150 kg	30.00
6		Summer Cauliflower	150 kg	30.00
7		Amarenthus	340 kg	3.40
8		Leafy Vegetables	340 kg	3.40
9		Winter Vegetables	750 kg	75.00
			Total of Vegetables	
		Total		651.98

Blockwise Requirement of fertilizers for additional coverage of vegetables (MT) during 2010-11

SI No	Name of District	Name of Block	Summer Vegetable			Winter Vegetable			Total Vegetable		
			Urea	SSP	MOP	Urea	SSP	MOP	Urea	SSP	MOP
1	West	1.Kalyanpur	17.28	36	7.2	8	16	4	25.28	52	11.2
		2.Hezamara	32.04	66.75	13.35	8	16	4	40.04	82.75	17.35
		3.Mohanpur	9.36	19.5	3.9	2	4	1	11.36	23.5	4.9
		4.Jampui Jala	0	0	0	4	8	2	4	8	2
		5.Bishalgarh	30.96	64.5	12.9	8	16	4	38.96	80.5	16.9
		6.Melaghar	27.36	57	11.4	2	4	1	29.36	61	12.4
		Total	117	243.75	48.75	32	64	16	149	307.75	64.75
2	South	1.Matabari	19.08	39.75	7.95	2	4	1	21.08	43.75	8.95
		2.Killa	0	0	0	2	4	1	2	4	1
		3.Kakraban	4.32	9	1.8	4	8	2	8.32	17	3.8
		4.Bagafa	23.4	48.75	9.75	6	12	3	29.4	60.75	12.75
		5.Rajnagar	23.4	48.75	9.75	8	16	4	31.4	64.75	13.75
		6.Hrishyamukh	0	0	0	2	4	1	2	4	1
		7.Satchand	23.4	48.75	9.75	8	16	4	31.4	64.75	13.75
		Total	93.6	195	39	32	64	16	125.6	259	55
3	Dhalai	1.Ambassa	8.64	18	3.6	0	0	0	8.64	18	3.6
		2.Salema	18	37.5	7.5	4	8	2	22	45.5	9.5
		3.Damburnagar	8.64	18	3.6	4	8	2	12.64	26	5.6
		4.Manu	16.92	35.25	7.05	4	8	2	20.92	43.25	9.05
		Total	52.2	108.75	21.75	12	24	6	64.2	132.75	27.75
4	North	1.Kadamtala	24.12	50.25	10.05	6	12	3	30.12	62.25	13.05
		2.Pencharthal	24.12	50.25	10.05	2	4	1	26.12	54.25	11.05
		.Dasda	24.48	51	10.2	6	12	3	30.48	63	13.2
		4.Kumarghat	11.88	24.75	4.95	2	4	1	13.88	28.75	5.95
		5.Gournagar	12.6	26.25	5.25	8	16	4	20.6	42.25	9.25
		Total	97.2	202.5	40.5	24	48	12	121.2	250.5	52.5
		Grand Total	360	750	150	100	200	50	460	950	200

Blockwise Requirement of fertilizers for additional coverage of vegetables (MT) during 2011-12

S N o	Name of Distric t	Name of Block	Summer Vegetable			Winter Vegetable			Total Vegetable		
			Urea	SSP	MOP	Urea	SSP	MOP	Urea	SSP	MOP
1	West	1.Kalyanpur	17.28	36	7.2	8	16	4	25.28	52	11.2
		2.Hezamara	32.04	66.75	13.35	8	16	4	40.04	82.75	17.35
		3.Mohanpur	9.36	19.5	3.9	2	4	1	11.36	23.5	4.9
		4.Jampui Jala	0	0	0	4	8	2	4	8	2
		5.Bishalgarh	30.96	64.5	12.9	8	16	4	38.96	80.5	16.9
		6.Melaghar	27.36	57	11.4	2	4	1	29.36	61	12.4
		Total	117	243.75	48.75	32	64	16	149	307.75	64.75
2	South	1.Matabari	19.08	39.75	7.95	2	4	1	21.08	43.75	8.95
		2.Killa	0	0	0	2	4	1	2	4	1
		3.Kakraban	4.32	9	1.8	4	8	2	8.32	17	3.8
		4.Bagafa	23.4	48.75	9.75	6	12	3	29.4	60.75	12.75
		5.Rajnagar	23.4	48.75	9.75	8	16	4	31.4	64.75	13.75
		6.Hrishyamukh	0	0	0	2	4	1	2	4	1
		7.Satchand	23.4	48.75	9.75	8	16	4	31.4	64.75	13.75
		Total	93.6	195	39	32	64	16	125.6	259	55
3	Dhalai	1.Ambassa	8.64	18	3.6	0	0	0	8.64	18	3.6
		2.Salema	18	37.5	7.5	4	8	2	22	45.5	9.5
		3.Damburnagar	8.64	18	3.6	4	8	2	12.64	26	5.6
		4.Manu	16.92	35.25	7.05	4	8	2	20.92	43.25	9.05
		Total	52.2	108.75	21.75	12	24	6	64.2	132.75	27.75
4	North	1.Kadamtala	24.12	50.25	10.05	6	12	3	30.12	62.25	13.05
		2.Pencharthal	24.12	50.25	10.05	2	4	1	26.12	54.25	11.05
		.Dasda	24.48	51	10.2	6	12	3	30.48	63	13.2
		4.Kumarghat	11.88	24.75	4.95	2	4	1	13.88	28.75	5.95
		5.Gournagar	12.6	26.25	5.25	8	16	4	20.6	42.25	9.25
		Total	97.2	202.5	40.5	24	48	12	121.2	250.5	52.5
		Grand Total	360	750	150	100	200	50	460	950	200

Crop wise requirement of seeds / seedlings and fertilizer for additional coverage of vegetables (2010-11 & 2011-12)											
Component	Year	Crop	Additional area (Ha)	Requirement of seeds/cuttings (MT/Nos)	Requirement of Fertilizer(MT)				Cost Involvement (Lakh)		
					Urea	RP	MOP	SSP	Planting Material	Fertilizer	Total
Vegetable	2010-11	Colocasia	280	420 MT	50.40	0.00	21.00	105.00	84.00	9.72	93.72
		Elephant Foot Yam	300	600 MT	54.00	0.00	22.50	112.50	90.00	10.42	100.42
		Pointed Gourd	280	1,79,200 Nos	50.40	0.00	21.00	105.00	2.69	9.72	12.41
		Spine Gourd	200	5,00,000 Nos	36.00	0.00	15.00	75.00	7.50	6.95	14.45
		Summer Cabbage	300	150 kg	54.00	0.00	22.50	112.50	30.00	10.42	40.42
		Summer Cauliflower	300	150 kg	54.00	0.00	22.50	112.50	30.00	10.42	40.42
		Amarethus	170	340 kg	30.60	0.00	12.76	63.76	3.40	5.9	9.30
		Leafy Vegetables	170	340 kg	30.60	0.00	12.76	63.76	3.40	5.9	9.30
		Total Summer Vegetable	2000	Seed- 1020.98 MT Cutting- 6,79,200 Nos	360.00	0.00	150.02	750.02	250.99	69.45	320.44
		Winter Vegetable	500	750 kg	100.00	0.00	50.00	200.00	75.00	19.38	94.38
		Total Vegetable	2500	Seed- 1021.73 MT Cutting- 6,79,200 Nos	460.00	0.00	200.02	950.02	325.99	88.83	414.82
Vegetable	2011-12	Colocasia	280	420 MT	50.40	0.00	21.00	105.00	84.00	9.72	93.72
		Elephant Foot Yam	300	600 MT	54.00	0.00	22.50	112.50	90.00	10.42	100.42
		Pointed Gourd	280	1,79,200 Nos	50.40	0.00	21.00	105.00	2.69	9.72	12.41
		Spine Gourd	200	5,00,000 Nos	36.00	0.00	15.00	75.00	7.50	6.95	14.45
		Summer Cabbage	300	150 kg	54.00	0.00	22.50	112.50	30.00	10.42	40.42
		Summer Cauliflower	300	150 kg	54.00	0.00	22.50	112.50	30.00	10.42	40.42
		Amarethus	170	340 kg	30.60	0.00	12.76	63.76	3.40	5.9	9.30
		Leafy Vegetables	170	340 kg	30.60	0.00	12.76	63.76	3.40	5.9	9.30
		Total Summer Vegetable	2000	Seed- 1020.98 MT Cutting- 6,79,200 Nos	360.00	0.00	150.02	750.02	250.99	69.45	320.44
		Winter Vegetable	500	750 kg	100.00	0.00	50.00	200.00	75.00	19.38	94.38
		Total Vegetable	2500	Seed- 1021.73 MT Cutting- 6,79,200 Nos	460.00	0.00	200.02	950.02	325.99	88.83	414.82
Grand Total			5000		920	0	400.04	1900.04	651.98	177.66	829.64

Block-wise requirement of Fertilizer for existing and additional coverage of Potato(2010-11/2011-12)

SI No	Name of District	Name of Block	Total area to be brought by 2012 (existing + additional) (Ha)	Physical requirement of fertilizer (in MT)			Financial requirement of fertilizer (Rs. In lakh)			Total
				Urea (@ 0.3255/ kg)	SSP (@ 0.625 /kg)	MOP (@ 0.240/Kg)	Urea (@ Rs. 5.25/ kg)	SSP (@ Rs. 5.45 /kg)	MOP (@ Rs. 6.45/Kg)	
1	West	1.Tulashikhar	25	8.14	15.63	6	0.43	0.85	0.39	1.67
		2.Khowai	106	34.50	66.25	25.44	1.81	3.61	1.64	7.06
		3.Samatal Padmabil	69	22.46	43.13	16.56	1.18	2.35	1.07	4.60
		4.Kalyanpur	38	12.37	23.75	9.12	0.65	1.29	0.59	2.53
		5.Mungiakami	28	9.11	17.50	6.72	0.48	0.95	0.43	1.87
		6.Teliamura	102	33.20	63.75	24.48	1.74	3.47	1.58	6.80
		7.Mandai	10	3.26	6.25	2.4	0.17	0.34	0.15	0.67
		8.Jirania	67	21.81	41.88	16.08	1.14	2.28	1.04	4.46
		9.Hezamara	30	9.77	18.75	7.2	0.51	1.02	0.46	2.00
		10.Mohanpur	126	41.01	78.75	30.24	2.15	4.29	1.95	8.40
		11.Dukli	134	43.62	83.75	32.16	2.29	4.56	2.07	8.93
		12.Jampui Jala	40	13.02	25.00	9.6	0.68	1.36	0.62	2.67
		13.Bishalgarh	539	175.44	336.88	129.36	9.21	18.36	8.34	35.91
		14.Melaghar	120	39.06	75.00	28.8	2.05	4.09	1.86	8.00
		15.Boxanagar	40	13.02	25.00	9.6	0.68	1.36	0.62	2.67
		16.kathalia	56	18.23	35.00	13.44	0.96	1.91	0.87	3.73
		Non - Block	0	0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	1530	498.02	956.25	367.2	26.15	52.12	23.68	101.95
2	South	1.Matabari	378	123.04	236.25	90.72	6.46	12.88	5.85	25.19
		2.Killa	87	28.32	54.38	20.88	1.49	2.96	1.35	5.80
		3.Kakraban	202	65.75	126.25	48.48	3.45	6.88	3.13	13.46
		4.Ampi	91	29.62	56.88	21.84	1.56	3.10	1.41	6.06
		5.Amarpur	178	57.94	111.25	42.72	3.04	6.06	2.76	11.86

		6.Korbook	59	19.20	36.88	14.16	1.01	2.01	0.91	3.93
		7.Bagafa	936	304.67	585.00	224.64	16.00	31.88	14.49	62.37
		8.Rajnagar	303	98.63	189.38	72.72	5.18	10.32	4.69	20.19
		9.Hrishyamukh	138	44.92	86.25	33.12	2.36	4.70	2.14	9.20
		10.Rupaicharri	127	41.34	79.38	30.48	2.17	4.33	1.97	8.46
		11.Satchand	267	86.91	166.88	64.08	4.56	9.09	4.13	17.79
		Total	2766	900.33	1728.75	663.84	47.27	94.22	42.82	184.30
3	Dhalai	1.Ambassa	149	48.50	93.13	35.76	2.55	5.08	2.31	9.93
		2.Salema	400	130.20	250.00	96	6.84	13.63	6.19	26.65
		3.Damburnagar	58	18.88	36.25	13.92	0.99	1.98	0.90	3.86
		4.Manu	45	14.65	28.13	10.8	0.77	1.53	0.70	3.00
		5.Chawmanu	9	2.93	5.63	2.16	0.15	0.31	0.14	0.60
		Total	661	215.16	413.13	158.64	11.30	22.52	10.23	44.04
4	North	1.Kadamtala	175	56.96	109.38	42	2.99	5.96	2.71	11.66
		2.Panisagar	366	119.13	228.75	87.84	6.25	12.47	5.67	24.39
		3.Pencharthal	46	14.97	28.75	11.04	0.79	1.57	0.71	3.07
		4.Dasda	52	16.93	32.50	12.48	0.89	1.77	0.80	3.46
		5.Damcherra	5	1.63	3.13	1.2	0.09	0.17	0.08	0.33
		6.Jampui Hill	0	0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Kumarghat	210	68.36	131.25	50.4	3.59	7.15	3.25	13.99
		8.Gournagar	195	63.47	121.88	46.8	3.33	6.64	3.02	12.99
		Total	1049	341.45	655.63	251.76	17.93	35.73	16.24	69.90
		Grand Total	6006	1954.95	3753.75	1441.44	102.64	204.58	92.97	400.19

Block wise requirement of planting materials for additional coverage of cashewnut (2010-11)

Sl No	Name of District	Name of Block	Requirement of Cashewnut Planting materials		Total requirement (nos)	Rate/grfts (Rs. 30.00/grfts)
			Rate/Ha	area (ha)		
1	West	1.Tulashikhar	177	4	708	21240
		2.Khowai	177	2	354	10620
		3.Samatal Padmabil				0
		4.Kalyanpur				0
		5.Mungiakami				0
		6.Teliamura				0
		7.Mandai	177	3	531	15930
		8.Jirania				0
		9.Hezamara	177	8	1416	42480
		10.Mohanpur	177	4	708	21240
		11.Dukli	177	2	354	10620
		12.Jampui Jala	177	12	2124	63720
		13.Bishalgarh	177	12	2124	63720
		14.Melaghar	177	4	708	21240
		15.Boxanagar	177	2	354	10620
		16.kathalia	177	4	708	21240
	Non - Block	177	4	708	21240	
	Total		61	10797	323910	
2	South	1.Matabari	177	5	885	26550
		2.Killa	177	6	1062	31860
		3.Kakraban	177	6	1062	31860
		4.Ompi	177	8	1416	42480
		5.Amarpur	177	10	1770	53100
		6.Korbook	177	8	1416	42480
		7.Bagafa	177	40	7080	212400
		8.Rajnagar	177	15	2655	79650
		9.Hrishyamukh	177	16	2832	84960
		10.Rupaicharri	177	10	1770	53100
		11.Satchand	177	15	2655	79650
	Total		139	24603	738090	
3	Dhalai	1.Ambassa	177	10	1770	53100
		2.Salema	177	12	2124	63720
		3.Damburnagar	177	6	1062	31860
		4.Manu	177	6	1062	31860
		5.Chawmanu	177	5	885	26550
			39	6903	207090	
4	North	1.Kadamtala	177	4	708	21240
		2.Panisagar	177	7	1239	37170
		3.Pencharthal	177	10	1770	53100
		4.Dasda	177	10	1770	53100

		5.Damcherra	177	10	1770	53100
		6.Jampui Hill				0
		7.Kumarghat				0
		8.Gournagar	177	20	3540	106200
		Total		61	10797	323910
		Grand Total		300	53100	1593000

Annexure-XXII

Block wise requirement of planting materials for additional coverage of cashewnut (2011-12)

Sl No	Name of District	Name of Block	Requirement of Cashewnut Planting materials		Total requirement (nos)	Rate/graffs (Rs. 30.00/graffs)
			Rate/Ha	area (ha)		
1	West	1.Tulashikhar	177	4	708	21240
		2.Khowai	177	2	354	10620
		3.Samatal Padmabil				0
		4.Kalyanpur				0
		5.Mungiakami				0
		6.Teliamura				0
		7.Mandai	177	3	531	15930
		8.Jirania				0
		9.Hezamara	177	8	1416	42480
		10.Mohanpur	177	4	708	21240
		11.Dukli	177	2	354	10620
		12.Jampui Jala	177	12	2124	63720
		13.Bishalgarh	177	12	2124	63720
		14.Melaghar	177	4	708	21240
		15.Boxanagar	177	2	354	10620
		16.kathalia	177	4	708	21240
	Non - Block	177	4	708	21240	
	Total		61	10797	323910	
2	South	1.Matabari	177	5	885	26550
		2.Killa	177	6	1062	31860
		3.Kakraban	177	6	1062	31860
		4.Ompi	177	8	1416	42480
		5.Amarpur	177	10	1770	53100
		6.Korbook	177	8	1416	42480
		7.Bagafa	177	40	7080	212400
		8.Rajnagar	177	15	2655	79650
		9.Hrishyamukh	177	16	2832	84960
		10.Rupaicharri	177	10	1770	53100
		11.Satchand	177	15	2655	79650
	Total		139	24603	738090	
3	Dhalai	1.Ambassa	177	10	1770	53100
		2.Salema	177	12	2124	63720
		3.Damburnagar	177	6	1062	31860
		4.Manu	177	6	1062	31860
		5.Chawmanu	177	5	885	26550
			39	6903	207090	
4	North	1.Kadamtala	177	4	708	21240
		2.Panisagar	177	7	1239	37170

		3.Pencharthal	177	10	1770	53100
		4.Dasda	177	10	1770	53100
		5.Damcherra	177	10	1770	53100
		6.Jampui Hill				0
		7.Kumarghat				0
		8.Gournagar	177	20	3540	106200
		Total		61	10797	323910
		Grand Total		300	53100	1593000

Block-wise requirement of Fertilizer for existing and additional coverage of plantation crops(2010-11)

SI No	Name of District	Name of Block	Total area to be brought by 2012 (existing + additional) (Ha)	Physical requirement of fertilizer (in MT)			Financial requirement of fertilizer (Rs. In lakh)			Total
				Urea (@ 0.058/ kg)	RP (@ 0.035 /kg)	MOP (@ 0.012/Kg)	Urea (@ Rs. 5.25/ kg)	RP (@ Rs. 4.77 /kg)	MOP (@ Rs. 6.45/Kg)	
1	West	1.Tulashikhar	148	8.58	5.18	1.776	0.45	0.25	0.11	0.81
		2.Khowai	161	9.34	5.64	1.932	0.49	0.27	0.12	0.88
		3.Samatal Padmabil	116	6.73	4.06	1.392	0.35	0.19	0.09	0.64
		4.Kalyanpur	143	8.29	5.01	1.716	0.44	0.24	0.11	0.78
		5.Mungiakami	134	7.77	4.69	1.608	0.41	0.22	0.10	0.74
		6.Teliamura	144	8.35	5.04	1.728	0.44	0.24	0.11	0.79
		7.Mandai	129	7.48	4.52	1.548	0.39	0.22	0.10	0.71
		8.Jirania	425	24.65	14.88	5.1	1.29	0.71	0.33	2.33
		9.Hezamara	345	20.01	12.08	4.14	1.05	0.58	0.27	1.89
		10.Mohanpur	401	23.26	14.04	4.812	1.22	0.67	0.31	2.20
		11.Dukli	264	15.31	9.24	3.168	0.80	0.44	0.20	1.45
		12.Jampui Jala	235	13.63	8.23	2.82	0.72	0.39	0.18	1.29
		13.Bishalgarh	432	25.06	15.12	5.184	1.32	0.72	0.33	2.37
		14.Melaghar	277	16.07	9.70	3.324	0.84	0.46	0.21	1.52
		15.Boxanagar	246	14.27	8.61	2.952	0.75	0.41	0.19	1.35
		16.kathalia	261	15.14	9.14	3.132	0.79	0.44	0.20	1.43
		Non - Block	16	0.93	0.56	0.192	0.05	0.03	0.01	0.09
		Total	3877	224.87	135.70	46.524	11.81	6.47	3.00	21.28
2	South	1.Matabari	235	13.63	8.23	2.82	0.72	0.39	0.18	1.29
		2.Killa	172	9.98	6.02	2.064	0.52	0.29	0.13	0.94
		3.Kakraban	175	10.15	6.13	2.1	0.53	0.29	0.14	0.96
		4.Ompi	297	17.23	10.40	3.564	0.90	0.50	0.23	1.63
		5.Amarpur	274	15.89	9.59	3.288	0.83	0.46	0.21	1.50

		6.Korbook	323	18.73	11.31	3.876	0.98	0.54	0.25	1.77
		7.Bagafa	1343	77.89	47.01	16.116	4.09	2.24	1.04	7.37
		8.Rajnagar	2821	163.62	98.74	33.852	8.59	4.71	2.18	15.48
		9.Hrishyamukh	498	28.88	17.43	5.976	1.52	0.83	0.39	2.73
		10.Rupaicharri	497	28.83	17.40	5.964	1.51	0.83	0.38	2.73
		11.Satchand	328	19.02	11.48	3.936	1.00	0.55	0.25	1.80
		Total	6963	403.85	243.71	83.556	21.20	11.62	5.39	38.22
3	Dhalai	1.Ambassa	195	11.31	6.83	2.34	0.59	0.33	0.15	1.07
		2.Salema	424	24.59	14.84	5.088	1.29	0.71	0.33	2.33
		3.Damburnagar	102	5.92	3.57	1.224	0.31	0.17	0.08	0.56
		4.Manu	463	26.85	16.21	5.556	1.41	0.77	0.36	2.54
		5.Chawmanu	310	17.98	10.85	3.72	0.94	0.52	0.24	1.70
		Total	1494	86.65	52.29	17.928	4.55	2.49	1.16	8.20
4	North	1.Kadamtala	449	26.04	15.72	5.388	1.37	0.75	0.35	2.46
		2.Panisagar	503	29.17	17.61	6.036	1.53	0.84	0.39	2.76
		3.Pencharthal	300	17.40	10.50	3.6	0.91	0.50	0.23	1.65
		4.Dasda	214	12.41	7.49	2.568	0.65	0.36	0.17	1.17
		5.Damcherra	245	14.21	8.58	2.94	0.75	0.41	0.19	1.34
		6.Jampui Hill	224	12.99	7.84	2.688	0.68	0.37	0.17	1.23
		7.Kumarghat	348	20.18	12.18	4.176	1.06	0.58	0.27	1.91
		8.Gournagar	559	32.42	19.57	6.708	1.70	0.93	0.43	3.07
		Total	2842	164.84	99.47	34.104	8.65	4.74	2.20	15.60
		Grand Total	15176	880.21	531.16	182.112	46.21	25.34	11.75	83.29

Annexure-XXIV

Block-wise requirement of Fertilizer for additional coverage for flower (open field cultivation 2010-11)

SI No	Name of District	Name of Block	Total area to be brought by 2010-11 (open cultivation) (Ha)	Physical requirement of fertilizer (in MT)			Financial requirement of fertilizer (Rs. In lakh)			Total
				Urea (@ 0.6/ kg)	SSP (@ 0.25 /kg)	MOP (@ 0.06/Kg)	Urea (@ Rs. 5.25/ kg)	SSP (@ Rs. 5.45 /kg)	MOP (@ Rs. 6.45/Kg)	
1	West	1.Tulashikhar		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Khowai		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Samatal Padmabil		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Kalyanpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Mungiakami		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Teliamura		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Mandai		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Jirania	11	6.60	2.75	0.66	0.35	0.15	0.04	0.54
		9.Hezamara		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Mohanpur	10	6.00	2.50	0.6	0.32	0.14	0.04	0.49
		11.Dukli	23	13.80	5.75	1.38	0.72	0.31	0.09	1.13
		12.Jampui Jala		0.00	0.00	0	0.00	0.00	0.00	0.00
		13.Bishalgarh	42	25.20	10.50	2.52	1.32	0.57	0.16	2.06
		14.Melaghar		0.00	0.00	0	0.00	0.00	0.00	0.00
		15.Boxanagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		16.kathalia		0.00	0.00	0	0.00	0.00	0.00	0.00
		Non - Block	5	3.00	1.25	0.3	0.16	0.07	0.02	0.24
		Total	91	54.60	22.75	5.46	2.87	1.24	0.35	4.46
2	South	1.Matabari	10	6.00	2.50	0.6	0.32	0.14	0.04	0.49
		2.Killa		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Kakraban		0.00	0.00	0	0.00	0.00	0.00	0.00

		4.Ampi		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Amarpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Korbook		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Bagafa		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Rajnagar	6	3.60	1.50	0.36	0.19	0.08	0.02	0.29
		9.Hrishyamukh		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Rupaicharri		0.00	0.00	0	0.00	0.00	0.00	0.00
		11.Satchand		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	16	9.60	4.00	0.96	0.50	0.22	0.06	0.78
3	Dhalai	1.Ambassa	3	1.80	0.75	0.18	0.09	0.04	0.01	0.15
		2.Salema	7	4.20	1.75	0.42	0.22	0.10	0.03	0.34
		3.Damburnagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Manu		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Chawmanu		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	10	6.00	2.50	0.6	0.32	0.14	0.04	0.49
4	North	1.Kadamtala	16	9.60	4.00	0.96	0.50	0.22	0.06	0.78
		2.Panisagar	55	33.00	13.75	3.3	1.73	0.75	0.21	2.69
		3.Pencharthal	2	1.20	0.50	0.12	0.06	0.03	0.01	0.10
		4.Dasda		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Damcherra		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Jampui Hill		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Kumarghat	6	3.60	1.50	0.36	0.19	0.08	0.02	0.29
		8.Gournagar	20	12.00	5.00	1.2	0.63	0.27	0.08	0.98
		Total	99	59.40	24.75	5.94	3.12	1.35	0.38	4.85
		Grand Total	216	129.60	54.00	12.96	6.80	2.94	0.84	10.58

Block-wise requirement of Fertilizer for additional coverage for flower (open field cultivation 2011-12)

SI No	Name of District	Name of Block	Total area to be brought by 2011-12 (open cultivation) (Ha)	Physical requirement of fertilizer (in MT)			Financial requirement of fertilizer (Rs. In lakh)			Total
				Urea (@ 0.6/ kg)	SSP (@ 0.25 /kg)	MOP (@ 0.06/Kg)	Urea (@ Rs. 5.25/ kg)	SSP (@ Rs. 5.45 /kg)	MOP (@ Rs. 6.45/Kg)	
1	West	1.Tulashikhar		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Khowai		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Samatal Padmabil		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Kalyanpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Mungiakami		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Teliamura		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Mandai		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Jirania	13	7.80	3.25	0.78	0.41	0.18	0.05	0.64
		9.Hezamara		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Mohanpur	12	7.20	3.00	0.72	0.38	0.16	0.05	0.59
		11.Dukli	27	16.20	6.75	1.62	0.85	0.37	0.10	1.32
		12.Jampui Jala		0.00	0.00	0	0.00	0.00	0.00	0.00
		13.Bishalgarh	47	28.20	11.75	2.82	1.48	0.64	0.18	2.30
		14.Melaghar		0.00	0.00	0	0.00	0.00	0.00	0.00
		15.Boxanagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		16.kathalia		0.00	0.00	0	0.00	0.00	0.00	0.00
	Non - Block	5	3.00	1.25	0.3	0.16	0.07	0.02	0.24	
	Total	104	62.40	26.00	6.24	3.28	1.42	0.40	5.10	
2	South	1.Matabari	13	7.80	3.25	0.78	0.41	0.18	0.05	0.64
		2.Killa		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Kakraban		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Ampi		0.00	0.00	0	0.00	0.00	0.00	0.00

		5.Amarpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Korbook		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Bagafa		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Rajnagar	8	4.80	2.00	0.48	0.25	0.11	0.03	0.39
		9.Hrishyamukh		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Rupaicharri		0.00	0.00	0	0.00	0.00	0.00	0.00
		11.Satchand		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	21	12.60	5.25	1.26	0.66	0.29	0.08	1.03
3	Dhalai	1.Ambassa	3	1.80	0.75	0.18	0.09	0.04	0.01	0.15
		2.Salema	7	4.20	1.75	0.42	0.22	0.10	0.03	0.34
		3.Damburnagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Manu		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Chawmanu		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	10	6.00	2.50	0.6	0.32	0.14	0.04	0.49
4	North	1.Kadamtala	16	9.60	4.00	0.96	0.50	0.22	0.06	0.78
		2.Panisagar	57	34.20	14.25	3.42	1.80	0.78	0.22	2.79
		3.Pencharthal	2	1.20	0.50	0.12	0.06	0.03	0.01	0.10
		4.Dasda		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Damcherra		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Jampui Hill		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Kumarghat	6	3.60	1.50	0.36	0.19	0.08	0.02	0.29
		8.Gournagar	22	13.20	5.50	1.32	0.69	0.30	0.09	1.08
		Total	103	61.80	25.75	6.18	3.24	1.40	0.40	5.05
		Grand Total	238	142.80	59.50	14.28	7.50	3.24	0.92	11.66

Annexure-XXVI

Block-wise requirement of Fertilizer for additional coverage for flower (protected cultivation- 2010-11)

SI No	Name of District	Name of Block	Total area to be brought by 2010-11 (protected cultivation) (Ha)	Physical requirement of fertilizer (in MT)			Financial requirement of fertilizer (Rs. In lakh)			Total
				Urea (@ 0.3/kg)	SSP (@ 0.125 /kg)	MOP (@ 0.03/Kg)	Urea (@ Rs. 5.25/kg)	SSP (@ Rs. 5.45 /kg)	MOP (@ Rs. 6.45/Kg)	
1	West	1.Tulashikhar		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Khowai		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Samatal Padmabil		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Kalyanpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Mungiakami		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Teliamura		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Mandai		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Jirania	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		9.Hezamara		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Mohanpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		11.Dukli	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		12.Jampui Jala		0.00	0.00	0	0.00	0.00	0.00	0.00
		13.Bishalgarh	2	0.60	0.25	0.06	0.03	0.01	0.00	0.05
		14.Melaghar		0.00	0.00	0	0.00	0.00	0.00	0.00
		15.Boxanagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		16.kathalia		0.00	0.00	0	0.00	0.00	0.00	0.00
	Non - Block		0.00	0.00	0	0.00	0.00	0.00	0.00	
	Total	4	1.20	0.50	0.12	0.06	0.03	0.01	0.10	
2	South	1.Matabari	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		2.Killa		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Kakraban		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Ampi		0.00	0.00	0	0.00	0.00	0.00	0.00

		5.Amarpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Korbook		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Bagafa		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Rajnagar	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		9.Hrishyamukh		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Rupaicharri		0.00	0.00	0	0.00	0.00	0.00	0.00
		11.Satchand		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	2	0.60	0.25	0.06	0.03	0.01	0.00	0.05
3	Dhalai	1.Ambassa		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Salema		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Damburnagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Manu		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Chawmanu		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	0	0.00	0.00	0	0.00	0.00	0.00	0.00
4	North	1.Kadamtala		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Panisagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Pencharthal		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Dasda		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Damcherra		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Jampui Hill		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Kumarghat		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Gournagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	0	0.00	0.00	0	0.00	0.00	0.00	0.00
		Grand Total	6	1.80	0.75	0.18	0.09	0.04	0.01	0.15

Block-wise requirement of Fertilizer for additional coverage for flower (protected cultivation- 2011-12)

SI No	Name of District	Name of Block	Total area to be brought by 2010-11 (protected cultivation) (Ha)	Physical requirement of fertilizer (in MT)			Financial requirement of fertilizer (Rs. In lakh)			Total
				Urea (@ 0.3/ kg)	SSP (@ 0.125 /kg)	MOP (@ 0.03/Kg)	Urea (@ Rs. 5.25/ kg)	SSP (@ Rs. 5.45 /kg)	MOP (@ Rs. 6.45/Kg)	
1	West	1.Tulashikhar		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Khowai		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Samatal Padmabil		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Kalyanpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Mungiakami		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Teliamura		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Mandai		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Jirania	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		9.Hezamara		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Mohanpur		0.00	0.00	0	0.00	0.00	0.00	0.00
		11.Dukli	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		12.Jampui Jala		0.00	0.00	0	0.00	0.00	0.00	0.00
		13.Bishalgarh	2	0.60	0.25	0.06	0.03	0.01	0.00	0.05
		14.Melaghar		0.00	0.00	0	0.00	0.00	0.00	0.00
		15.Boxanagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		16.kathalia		0.00	0.00	0	0.00	0.00	0.00	0.00
	Non - Block		0.00	0.00	0	0.00	0.00	0.00	0.00	
	Total	4	1.20	0.50	0.12	0.06	0.03	0.01	0.10	
2	South	1.Matabari	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		2.Killa		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Kakraban		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Ampi		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Amarpur		0.00	0.00	0	0.00	0.00	0.00	0.00

		6.Korbook		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Bagafa		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Rajnagar	1	0.30	0.13	0.03	0.02	0.01	0.00	0.02
		9.Hrishyamukh		0.00	0.00	0	0.00	0.00	0.00	0.00
		10.Rupaicharri		0.00	0.00	0	0.00	0.00	0.00	0.00
		11.Satchand		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	2	0.60	0.25	0.06	0.03	0.01	0.00	0.05
3	Dhalai	1.Ambassa		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Salema		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Damburnagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Manu		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Chawmanu		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	0	0.00	0.00	0	0.00	0.00	0.00	0.00
4	North	1.Kadamtala		0.00	0.00	0	0.00	0.00	0.00	0.00
		2.Panisagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		3.Pencharthal		0.00	0.00	0	0.00	0.00	0.00	0.00
		4.Dasda		0.00	0.00	0	0.00	0.00	0.00	0.00
		5.Damcherra		0.00	0.00	0	0.00	0.00	0.00	0.00
		6.Jampui Hill		0.00	0.00	0	0.00	0.00	0.00	0.00
		7.Kumarghat		0.00	0.00	0	0.00	0.00	0.00	0.00
		8.Gournagar		0.00	0.00	0	0.00	0.00	0.00	0.00
		Total	0	0.00	0.00	0	0.00	0.00	0.00	0.00
		Grand Total	6	1.80	0.75	0.18	0.09	0.04	0.01	0.15

Comprehensive requirement of Horti Inputs (Existing +Additional) 2011/12

Component	Crop	Area to be covered by 2012	Rate of Fertilizer	Total Physical Requirement (in MT)					Total Financial Requirement (In lakh)				
			Urea	Urea	SSP	RP	MOP	Urea	SSP	RP	MOP	Total	
Fruit	Mango	4690		150.08	0.00	65.66	150.08	7.88	0.00	3.13	9.68	20.69	
	Pineapple	7036		6191.68	0.00	6191.68	4643.76	325.06	0.00	295.34	299.52	919.93	
	Banana	7916		7916.00	0.00	7124.40	11082.40	415.59	0.00	339.83	714.81	1470.24	
	Papaya	1594		1992.50	0.00	3985.00	2391.00	104.61	0.00	190.08	154.22	448.91	
	Other Crops	16897		8448.50	0.00	506.91	675.88	443.55	0.00	24.18	43.59	511.32	
	Total Fruit	38133		24698.76	0.00	17873.65	18943.12	1296.68	0.00	852.57	1221.83	3371.09	
Vegetable	Summer Vegetable (existing + proposed)	15783		2840.94	5918.63	0.00	1183.73	149.15	322.57	0.00	76.35	548.06	
	Winter Vegetable (existing + proposed)	13215		2643.00	5286.00	0.00	1321.50	138.76	288.09	0.00	85.24	512.08	
	Total Vegetable	28998		5483.94	11204.63	0.00	2505.23	287.91	610.65	0.00	161.59	1060.15	
	Potato (existing + proposed)	6006		1954.95	3753.75		1441.44	102.64	204.58		92.97	400.19	
	Plantation	15176		8801.21		531.16	182.11	46.21		25.34	11.75	83.30	
	Flower	250		276.00	115.00		27.60	14.48	6.26		1.78	22.52	
	Grand Total			41214.86	15073.38	18404.81	23099.50	1747.92	821.49	877.91	1489.92	4937.25	

Cumulative area & Production of fruits an vegetables(2012)

Sl. No.	Component	Crop	AREA (in Ha.)			PRODUCTION (MT)			Remarks
			Existing Area under Fruit 2008-09	Additional Areas to be brought by 2012	Total Area by 2012 (Existing Area + Additional Area)	Existing Production (2008-09)	Estimated Production by 2012	Increase in Production	
1	Fruit	Mango	4190	500	4690	12706	14300	1594	1)New Area of 2010-11 will come into bearing except mango 2) production percentage increased over 2008-19 is 12.29
		Pineapple	6336	700	7036	110487	128487	18000	
		Banana	7416	500	7916	96787	109965	13178	
		Papaya	1294	300	1594	13187	16305	3118	
		Others	16897	NA	16897	314225	345647	31422	
		Total Fruit	36133	2000	38133	547392	614704	67312	
2	Vegetable	Summer Vegetable	13783	2000 (Net)	15783	144506	220962	76456	1)Net area of Vegetable is 2500 Ha. For each year. 2) production percentage increased over 2008-19 is 36.91
		Winter Vegetable	12715	500 (Net)	13215	166491	204832	38341	
		Total Vegetable	26498	5000 (Gross)	28998	310997	425794	114797	

Crop- wise Cost Estimate

Component	Crops	Plant population/ Ha	Fertilizer Requirement				Rate of Planting material/seed	Rate of Fertilizer			
			Urea (Kg/Ha)	RP (Kg/Ha)	SSP (Kg/Ha)	MOP (Kg/Ha)		Urea	RP	SSP	MOP
Fruit	Mango	400 nos.	32 Kg	14 Kg	NA	32 Kg	Rs. 30 /- per seedling	Rs 5.25/ Kg	Rs 4.77/ Kg	Rs 5.45/ Kg	Rs 6.45/ Kg
	Pineapple	44,000 nos.	880 Kg	880 Kg	NA	660 Kg	Rs. 1 /- per seedling				
	Banana	2000 nos.	1000 Kg	900 Kg	NA	1400 Kg	Rs. 12 /- per seedling				
	Papaya	2500 nos.	1250 Kg	2500 Kg	NA	1500 Kg	Rs. 5 /- per seedling				
Vegetable	Colocasia	1.5 MT	180 Kg	NA	375 Kg	75 Kg	Rs. 20 /- per Kg				
	Elephant Foot Yam	2.00 MT.	180 Kg	NA	375 Kg	75 Kg	Rs. 15 /- per Kg				
	Pointed Gourd	640 nos.	180 Kg	NA	375 Kg	75 Kg	Rs.1. 5 /- per cutting				
	Spine Gourd	2500 nos.	180 Kg	NA	375 Kg	75 Kg	Rs.1. 5 /- per cutting				
	Summer Cabbage	0.50 Kg	180 Kg	NA	375 Kg	75 Kg	Rs. 20,000 /- per Kg				
	Summer Cauliflower	0.50 Kg	180 Kg	NA	375 Kg	75 Kg	Rs. 20,000 /- per Kg				
	Amarenthus	2.00 Kg	180 Kg	NA	375 Kg	75 Kg	Rs. 1,000 /- per Kg				
	Leafy Vegetables	2.00 Kg	180 Kg	NA	375 Kg	75 Kg	Rs. 1,000 /- per Kg				
	Winter Vegetable	1.50 Kg	200 Kg	NA	400 Kg	100 Kg	Rs. 10,000 /- per Kg				

No. F.4(15)/H&SC/PL/2010-11
Government of Tripura
Department of agriculture
Directorate of Horticulture & Soil Conservation

Dated, Agartala the May, 2010

MEMORANDUM FOR THE COUNCIL OF MINISTERS

Sub : Proposal for consideration of revised Perspective Plan for Development of Horticulture during 2010-11 & 2011-12 – the block level action plan, strategies and related interventions.

1. A ten year “Perspective Plan for Development of Horticulture (2002 – 2012) was adopted with target for bringing additional 12,750 hectare area under 17 identified crops namely, Orange, Pineapple, Banana, Litchi, Mango, Cashewnut, Coconut, Arecanut, Black pepper, Ginger, Chilli, Betelvine, Potato tuberlet, Summer Cabbage, Summer Cauliflower, Flowers (Anthurium & Orchids) .
2. In the initial perspective plan it was envisaged to (i) increase production of fruits from 3.00 lakh MT to 4.05 lakh MT. (ii) production of vegetables from 3.25 lakh MT to 4.38 Lakh MT. (iii) bringing 100 hectare area under cultivation of flowers. (iv) producing 2.50 lakh tissue-cultured planting materials per annum (v) bringing 100 hectare area under organic farming with specified fruits and vegetables and (vi) strengthen horticulture organization by opening 27 Horti. & Soil Conservation Sub-divisional Offices.
3. In first mid-term evaluation done in May, 2006, the achievements during first three years of implementation was reviewed and few revisions were made such as (i) increasing area from 12,750 ha to 16,957 ha (ii) number of crops from 17 to 20 with addition of Papaya, Jackfruit and Vanilla (iii) increasing target for production of fruits from 4.05 lakh Mt. to

6.05 lakh Mt. and (iii) reducing implementation period from 10 to 8 years.

4. In the subsequent revision in November, 2008 after 6 years of implementation, some more corrective measures were included namely (i) drawing action plan for replanting, gap-filling and technology intervention in additional areas that were already covered. (ii) inclusion of suitable root and tuber crops (iii) embarking on seed production programme for vegetables (iv) arranging assured supply of all related inputs specially chemical fertilizers and (v) convergence of Central and State plan schemes for increasing production and productivity.
5. Hon'ble Chief Minister reviewed the performance of the Perspective Plan during December, 2009 after seven years of implementation, and desired that a revised Perspective Plan with detailed Block level plan be placed to the Council of Ministers. Accordingly, a village level detail survey was conducted departmentally during December, 2009 for assessing further availability of land, if any, for additional coverage under fruits and vegetables. From the survey it appears that an additional 21,076 hectare area could be made available for additional coverage of different Horticultural crops in the remaining 2 years period. Considering about 25% of that available area for bringing under horticultural crops, it is suggested for additional coverage of fruits in 2000 hectare area, vegetables in 2500 hectare area, potato (for TPS-tuberlet production only) in 220 hectare area and flowers in 142 hectare area. This additional area will take total coverage under horticultural crops to 93,760 hectare from the initial target of 87,499 hectare thereby ensuring sufficient marketable surplus as was initially targeted.
6. While suggesting Block level action plan for additional coverage, it is proposed to (i) give stress on fruit crops like mango (250ha.) banana (500 ha.), papaya (300 ha.), pineapple (700 ha.), orange(150 ha), mosambi (50 ha), and pomegranate (50 ha) (ii) giving stress on summer and off season

vegetables to add more variety and regular supply in market (iii) to replace 33% vegetable areas, that are covered by high yielding certified varieties, with required seeds produced and certified in the State (iv) to ensure production of TPS-tuberlet in additional 220 hectare areas to become self sufficient with regard to the requirement of potato seeds (v) to bring open field (marigold, tuberose and gladiolus) and protected (anthurium, orchid and gerbera) cultivation of flower to a more commercial scale in total 250 hectare area. This additional coverage will ensure increase in production of fruits by 12% (approx.) and vegetables by 37% (approx.) in the terminal year.

7. The plan also envisages (i) gap filling, maintenance and adoption of ICM techniques etc. in 13,902 ha existing plantations of fruits and nuts (ii) more production of vermicompost (approximately 70,000 MT) (iii) a concerted approach for production of vegetables in 60,000 kitchen gardens (each of approximately 80 sqm. area) with facilitation of availability of required seed / seedlings and training and (iv) crop specific training to 9,132 growers of fruits, 2,700 growers of nuts, 1,850 growers of spices & condiments and 11,000 growers of vegetables. (v) establishment of 48 more nurseries for compensating requirement of planting materials from 2015 – 16 onwards (vi) organic production and certification of pineapple in 340 ha (vii) augmentation of existing tissue-culture laboratory (viii) creation of 800 more community tanks, 4000 numbers of tubewells and 1000 ha drip irrigation facilities for better on-farm water management (ix) cultivation of mushroom by 360 woman individuals in west and south district, nearing spawn available laboratories (x) extending assistance and training to 192 woman individual / SHG for home scale processing of fruits and vegetables and (xi) distribution of 300 power tillers, 4200 manually operated sprayers, 700 diesel pump engines and 180 other power operated equipments for facilitating Integrated Development of Horticulture.

8. Opening of remaining 14 Horti. & Soil Conservation subdivisions for strengthening Horticulture Organization in the State in next 2 years is also envisaged in the original perspective plan.
9. With the existing and additional interventions proposed in the plan, it is aimed to attain production of 6.05 lakh MT fruits (per capita per day availability of 447 gm) 5.55 lakh MT vegetables (per capita per day availability of 404 gm) in the terminal year of the plan.
10. Annual budget proposed for next 2 year comes to Rs. **87.35** crores and **79.70** crores respectively for 2010-11 & 2011-12, excluding the cost of fertilizers and PPCs. The suggested share of sources during 2010-11 of Technology Mission, RKVY, State Plan, and Beneficiary is respectively 40, 15, 25 & 20 per cent.
11. It is therefore proposed to seek approval of the Council of Ministers for revision of the Perspective Plan for Development of Horticulture in respect of the following
 - (i) **Extension of the plan** by two years (i.e. upto 2011-12).
 - (ii) **Implementation of Block level action plan** : Implementation of Block level action plan may start from 1st April, 2010.
 - (iii) **Strategies / Interventions** : The strategies / interventions as narrated in the foregoing paragraphs may be considered for approval in principle so that the Department can go ahead for implementation after obtaining due approvals.

Hon'ble Chief Minister has approved for placing the matter before the Council of Ministers for consideration.

(K.V. Satyanarayana)
Principal Secretary
Government of Tripura

To
The Confidential and Cabinet Department with 25 spare copy.

