

CHAPTER – I

AGRICULTURE & ALLIED SERVICES

1.1 CROP HUSBANDRY

1.1.1 11th PLAN AND ANNUAL PLAN 2009-10 PROJECTIONS:

The 11th Plan Proposed Outlay under Crop Husbandry including SF/MF is **Rs 10,000.00 lakhs**. The Revised Outlay for 2007-08 is Rs 2512.00 lakhs and the Actual Expenditure during 2007-08 is Rs **2482.14 lakhs** . The Approved Outlay for 2008-09 is **Rs 3579.00 lakhs** which is expected to be fully utilized. **The Proposed Outlay for the Annual Plan 2009-10 is Rs 4099.00 lakhs inclusive of ASF/MF and RKVY.**

1.1.2 BACKGROUND:

Meghalaya's economy is basically agrarian in which about 70 percent of the population depend their livelihood in agriculture. However, the contribution of this sector to the State's economy is only around 22 percent of NSDP. This would reflect that most of the people dependent on agriculture are living more or less at subsistence level and still a large percentage of them are living below the poverty line. As such, proper management for development of the Crop Husbandry sector is vital for the healthy growth of this primary sector. Enhancement of food grain production in the hill State of Meghalaya is constrained by its topography making available only about 12 percent of its geographical area suitable for cultivation of crops for food grain production. However, improvement of production to the extent possible by way of more coverage and improvement of irrigation facilities, use of HYV seeds, application of fertilizers and pest control are being taken up. The production of food grains as during 2007--08 is 291.03 thousand tonnes and the anticipated achievement during 2008-09 is 336.00 thousand tonnes. By the end of the Eleventh Plan, the production is expected to touch 379.00 thousand tones. The target during 2009-10 is to produce 399.44-thousand tonnes of food grains.

1.1.3 OBJECTIVE:

The goal for the 11th Plan was laid out to usher in a paradigm shift from the implementation of omnibus schemes widely dispersed all over the seven districts with dissipating effect on scare resources to a more focused approach based on cluster and backed by an integrated package of practices. The strategy would be to consolidate traditional strengths and past gains and at the same time to capitalize on emerging opportunities. This would continue to be the focus areas during the current year.

SCHEMES /PROJECTS FOR THE ANNUAL PLAN 2009-10

1.1.4 **Direction and Administration.**

The main objective of the Scheme is to strengthen the present technical set both at the State and the District Headquarters .The allotment is also for meeting expenditure for MeSEB bills and in the implementation of the Right to Information Act.

1.1.5 Seeds

The Scheme aims at (a) multiplication of quality seeds for distribution to the farmers (b) taking up adaptive trials for finding out suitability and adaptability of different crop varieties (released/ pre-released) for taking up demonstration of such established varieties in farmers fields for further extension and (c) to meet the demand of quality seeds of the farmers in the District (s) where Seed Farms are located.

1.1.6. Manures and Fertilizers .

The Scheme aims at distribution of manures and fertilizers to the farmers at subsidized rates. Though there is no appreciable increase in the consumption of fertilizers ,the State has fixed a target of 27 kg. per hectare for consumption of NPK with 420 number of retail outlets operating in the State at present ,of which 40 number of them are under Co-operative Sector . The State has put more emphasis on the use of organic manures and the farmers are encouraged to go for organic farming where there is prospect for export of organic produce.

1.1.7 Plant Protection.

The Scheme provides supply of plant protection chemicals and equipments at subsidized rates to the cultivators to encourage and popularize use of measures for protection of their crops. The State Bio- Control Laboratory at Upper Shillong has started functioning and this will go a long way for use of biological control of pests and diseases as Integrated Pest Management component.

1.1.8. Commercial Crops- Cluster Approach.

Under the Scheme efforts are being taken up to increase the production of different commercial crops and to popularize new crop varieties by giving improved seed materials etc. at subsidized rate for encouraging and motivating farmers to promote cultivation of these crops through cluster approach.

1.1.9 Extension & Training.

For strengthening the extension efforts ,the State has 1(one) Basic Agricultural Training Centre (BATC) at Upper Shillong ,3(three) Farmers Training Centres at Upper Shillong , Tura and Jowai and 4 (four) Farmers Institutes at Nongstoin ,Nongpoh ,Williamnagar and Baghmara for imparting training to the Gram Sevaks ,in-service trainees of the Department and the farmers of the State.

1.1.10 Agricultural Economics & Statistics.]

The Scheme aims at collection ,compilation, processing of agricultural statistical data and providing fund for installation of equipments for collection of rainfall , humidity, temperature ,data etc. At present the Department is having a computerized system of data preservation and analysis etc. Land Use Survey programmes are to be undertaken from this Scheme.

1.1.11 Agricultural Engineering (Mechanical).

Mechanisation of agriculture is imperative significantly in the wake of the present scenario where farm labour has become a scarce commodity in Meghalaya. This Scheme will definitely help in boosting agricultural production in the State as a whole. The Department will therefore take the advantage of benefits by implementing the Centrally Sponsored Schemes of Farmers Agro Service Centres, Agriculture Machinery Training and Evaluation Centre and popularization of Improved Agril Equipments along with the State Plan Schemes of Mechanical Engineering Workshop and supply of power tillers, small tractors etc. with 50% subsidy provision.

1.1.12 Assistance through National Agricultural Insurance Scheme (NAIS)

The main objective of the Scheme is to provide insurance coverage and financial support to the farmers in the event of failure of any of the notified crops as a result of natural calamities, pests and diseases. It covers both loanee and non-loanee farmers including share croppers and tenant farmers. At present, the Development Block of each District in the State has been taken as the notified areas for implementation of the Scheme

1.1.13 Housing.

The Scheme is meant for construction, repair and renovation of Government buildings both administrative offices and residential quarters.

1.1.14 SPECIAL PROGRAMME FOR ASSISTANCE TO SMALL AND MARGINAL FARMERS:

The aim and objectives of the programme is for providing minikits of improved seeds and other facilities in the form of small irrigation canals to small and marginal farmers for increasing agricultural production to boost their economy. In Meghalaya, this programme is implemented by the Community and Rural Development Department. The Projected outlay for the 11th Plan (2007-12) is **Rs 560.00 lakhs** under SF/MF. An outlay of **Rs.288.00 lakh** has been proposed for Annual Plan 2009-10.

1.1.15 RASHTRIYA KRISHI VIKAS YOJANA (RKVY) :

The objectives of RKVY are ;

i) to incentivize the States to increase their investment in Agriculture and allied sectors, **ii)** to provide flexibility and autonomy to the States in planning and executing programmes for Agriculture, **iii)** to ensure the preparation of Agriculture plans for the Districts and the States, **iv)** to achieve the goal of reducing the yield gaps in important crops, **v)** to maximize returns to the farmers, **vi)** to address the agriculture and allied sectors in an integrated manner.

The distribution of funds under RKVY are in two streams viz stream 1 and stream 2. Under stream 1 at least 75% of the allocated amount will be distributed to the States and approved by the State Level Sanctioning Committee headed by the Chief secretary. Under stream 2, existing schemes that require strengthening can be covered under this stream for such schemes that have a resource gap. Not more than 25% allocated funds can be used for this stream and the sanctioned procedure will be as in the case of other plan schemes. The Meghalaya Small Farmers Agri Business Consortium (SFAC) has been notified as the State Nodal Agency to release RKVY funds.

For smooth implementation of RKVY , preparation of Comprehensive District Agricultural Plans (C-DAPs) is very important . This exercise is underway. The National Institute of Rural Development , Hyderabad has been entrusted with the task of co-ordinating and preparing the District Plans through the defined participative and inclusive process. The DAPs are expected to be completed by 15th January 2009 , subsequently the comprehensive State Agricultural Plan (SAP) will be finalized by integrating the District Plans.

During 2007-08 , Government of India released an amount of **Rs 637.00 lakhs** ACA i.e. **Rs 567.00 lakhs** under Stream I and **Rs70.00 lakhs** as one time grant for preparation of DAPs for the 7 (seven) Districts of the State @ Rs10.00 lakhs for each District. Out of this **Rs 341.88 lakhs** was utilized for implementation of projects under Stream I And **Rs 56.00 lakhs** for preparation of DAPs.

In consistent with the recommendations of the Planning Commission , in this year the focus will substantially be on the Animal Husbandry & Veterinary and Fisheries Sectors. The SLSC in its meeting on 19th September 2008 approved the proposals from the concerned Departments under Stream I&II as below .

Animal Husbandry :Rs 10.53 crores.
 Fisheries :Rs 2.50 crores
 Capacity Building Rs 0.50 crore

During 2008-09 , Govt. of India have released an amount of **Rs1.99 crores** for projects under Stream I and Stream II.

1.1.15 PROPOSED OUTLAY FOR THE 11TH PLAN 2007-12 AND THE ANNUAL PLAN 2009-10:

The break up of the proposed outlay for the 11th Plan and Annual Plan 2009-10 under Crop Husbandry inclusive of SF/MF is indicated in table below:

Rs lakhs

Sl No	Name of schemes	Eleventh Plan 2007-2012 Projected Outlay at 2006-07	Annual Plan 2007-08		Annual Plan 2008-09		Annual Plan 2009-10 Proposed Outlay
			Agreed Outlay	Actual Expenditure	Agreed Outlay	Anticipated Expenditure	
1	2	3	4	5	6	7	8
1	Direction and Admn	750.00	105.00	137.80	135.00	135.00	180.00
2	Seeds	2000.00	75.00	74.93	68.00	68.00	90.00
3	Manure and Fertilizer	1500.00	95.00	86.43	28.00	28.00	40.00
4	Plant Protection	400.00	55.00	65.42	14.00	14.00	20.00
5	Commercial Crops	1000.00	670.00	669.27	765.00	765.00	885.00
6	Extension and training	1000.00	175.00	174.99	130.0	130.0	170.00
7	Agri Eco and Stats	75.00	40.00	48.10	25.00	25.00	35.00
8	Agri Engineering	1200.00	210.00	202.21	145.00	145.00	140.00
9	Assistance to farming co-op	100.00	40.00	14.00	30.00	30.00	40.00
10	Other Expenditure(incl RKVY of Rs.1829.00)	600.00	747.00	685.66	1914.00	1914.00	230.00 1829.00
11	Housing (Resdl bldg)	300.00	55.00	18.30	45.00	45.00	60.00
12	Capital Works	400.00	30.00	46.29	30.00	30.00	40.00
13	Capital Outlay on crop husbandry	115.00	40.00	83.74	40.00	40.00	52.00
14	Assistance to SF/MF	560.00	175.00	175.00	210.00	210.00	288.00
15	Total Crop Husbandry	10,000.00	2512.00	2482.14	3579.00	3579.00	4099.00

1.1.16- AGRICULTURAL RESEARCH AND EDUCATION :

The 11th Plan Projected Outlay is **Rs.500.00 lakhs**. The Agreed Outlay for 2007-08 is **Rs 50.00 lakhs** and the actual expenditure is **Rs 58.17 lakhs**. The agreed outlay for 2008-09 is **Rs.65.00 lakhs** which is expected to be fully utilised. The Annual Plan proposed outlay for 2009-10 **Rs70.00 lakhs**.

(Rupees in lakhs)

SI No	Name of schemes	Eleventh Plan 2007-2012 Projected Outlay at 2006-07	Annual Plan 2007-08		Annual Plan 2008-09		Annual Plan 2009-10 Proposed Outlay
			Agreed Outlay	Actual Expenditure	Agreed Outlay	Anticipated Expenditure	
1	2	3	4	5			6
1	Agril Research and Education	500.00	50.00	58.17	65.00	65.00	70.00
	Total	500.00	50.00	58.17	65.00	65.00	70.00

1.1.16- INVESTMENT IN FINANCIAL INSTITUTIONS :

The 11th Plan projected outlay is **Rs 100.00 lakhs**. The agreed outlay for 2007-08 is Rs 8.00 lakhs and the actual expenditure is Rs 8.00 lakhs. The agreed outlay for 2008-09 is **Rs.10.00 lakhs** which is expected to be fully utilised. The Annual Plan proposed outlay for 2009-10 is **Rs. 10.00 lakhs**

(Rupees in lakhs)

SI No	Name of schemes	Eleventh Plan 2007-2012 Projected Outlay at 2006-07	Annual Plan 2007-08		Annual Plan 2008-09		Annual Plan 2009-10 Proposed Outlay
			Agreed Outlay	Actual Expenditure	Agreed Outlay	Anticipated Expenditure	
1	2	3	4	5			6
1	Investment in Financial Institution.	100.00	8.00	8.00	10.00	10.00	15.00
	Total	100.00	8.00	8.00	10.00	10.00	15.00

1.2 HORTICULTURE

1.2.1 11th PLAN & ANNUAL PLAN 2009-10 PROJECTIONS :

The Eleventh Plan Proposed Outlay for Horticulture Development is **Rs 20,000.00 lakhs**. The Agreed Outlay for the year 2007-08 is **Rs 800.00 lakhs** and the Actual Expenditure during 2007-08 is **Rs 859.83 lakhs** . The Approved Outlay of **Rs 800.00** for the Annual Plan 2008-09 is expected to be utilized in full. The Proposed Outlay for the Annual Plan 2009-2010 is **Rs.5500. 00lakhs** including **Rs 2000.00 lakhs** of One Time ACA/SPA for Integrated Infrastructure for Agriculture & Allied Sectors..

BACKGROUND :

Since time immemorial, horticulture has been known in the hills of Meghalaya as an important source of supplementary income and employment to the rural people. The actual achievement of horticulture produce during the Tenth Plan period is **234.33 thousand tones**. The anticipated horticultural produce during 2008-09 is of the level of **289.47 thousand tones**. Hence, having realized this potential, the State Government has decided to assign priority to horticulture during the Eleventh Plan with a view to generating income and employment, removing poverty and thereby improving the economy and well being of the people of the State. During the Eleventh Plan (2007-12) the State Government will also lay much emphasis on Post Harvest Management including processing and marketing of horticultural produce.

The total cropped area in the State during 2004-05 is **2.66 lakhs hectares** which is 11.85% of the total geographical area (22.42lakhs hectares) while the net cropped area is **2,19,224 hectares** which is 10% of the geographical area. The total area under fruit crops is **26.23 thousand hectares**. Amongst the fruit crops ,maximum is under pineapple followed by citrus and banana. Total area under vegetable crops is **11.94 thousand hectares**. Amongst vegetable crops, potato has the largest acreage (**20.8 thousand hectares**) after Assam. The State has a sizeable area under cabbage, radish, cauliflower and chow chow which are grown as off season vegetables and mostly marketed outside the State. As far as spices are concerned, Meghalaya is one of the leading States in case of ginger production (**9.2 thousand ha**) and also one of the leading producers of quality turmeric. Arecanut and Cashewnut are leading plantation crops followed by Tea. Total area under plantation crops is **17.99 thousand hectares**.

The State's latest foray into high value low volume crops namely, Strawberry and commercial floriculture like Rose, Lilioms, Anthuriums, Carnations, Birds of paradise is very promising. High value vegetables like Broccoli and Capsicum are also being expanded through the Technology Mission Scheme.

1.2.2 KEY ISSUES :

- Under the Technology Mission on Horticulture a notable achievement is the coming up of Centres of Excellence in two Districts (Ri Bhoi for Roses and Strawberry and East Garo Hills for Anthurium) Replication of such Centres of Excellence in different crops in the remaining five Districts would be another goal during the

Eleventh Plan period. The Centres have shown the potentialities of breaking new frontiers in horticultural revolution in the State.

- Various State Plan schemes under general Horticulture for development of fruits, vegetables, plantation crops and spices were taken up on promotional basis.
- Under the Technology Mission for Integrated Development of Horticulture, more facilities could be provided in the form of assistance to the individual and group of farmers.
- The area expansion of vegetables, flowers, spices and fruit crops have helped in improving the economic livelihood of the farmers.
- The construction of community tank, Vermi-compost units, green houses, irrigation facilities like tube wells, drip irrigation, sprinkler irrigation and the provision of improved power and manually operated farm implements and tools are also the incentives that have made a difference.

1.2.3 **THRUST AREA :**

- **Fruit Sector:** - Khasi Mandarin – rejuvenation and area expansion; area expansion and processing of pineapple.
- **Temperate Fruit sector:** - plum, peaches, pears, kiwi fruit etc.
- **Indigenous Fruit sector:** - popularisation and commercialization of indigenous crops like sohiong, sohpie etc.
- **Vegetable Sector:** - production of off-season vegetables, potatoes and seed production.
- Production of low-volume and high value crops like strawberry, capsicum, broccoli etc. and flowers like roses, anthurium, carnation, bird of paradise etc.
- Cultivation of cash crops like Black pepper, cashewnut
- Tapping of ground water potential
- Promotion of farm mechanization with small power tillers adaptable to the topography of the State and popularization of new machineries to reduce the cost of cultivation on manual labour and consequently to enhance timely sowing of crops.
- Integrated Pest management with stress on training of Officers.
- Stress on Organic farming for spices like ginger & turmeric, fruits and vegetables.
- Encouraging protected cultivation by using plastic and shade nets in horticulture.
- Research and Development.
- Post-Harvest Management will be taken up intensively and extensively during the Eleventh Plan. The Department will take up sponsorship of the educated unemployed youth of the State for short term and long term training in fruit processing, fruit preservation and marketing which have vast potential in employment and income generation.

1.2.4 **CONSTRAINTS:**

Low to very low productivity of crops;

- Lack of assured irrigation facility;
- Poor agro-mechanization process;
- Unscientific land use;
- Poor economic condition of the farmers, remoteness of the area and backwardness;
- Inadequate extension service in dissemination of improved production technology to the growers due to lack of adequate manpower at the field level;

1.2.5 SUGGESTIONS :

- Development of micro- water structures including Hydrams and drip irrigation
- Area expansion in cluster basis under tea cultivation through small tea growers
- Commercialization of floriculture
- Developing appropriate packaging and value addition for some Horticultural produce in the State
- Cluster approach : on major horticultural crops in the State
- Creation of Farm handling units

1.2.6 - The broad break-up of the Proposed Outlay for the 11th Plan and Annual Plans 2008-09 and 2009-10 is indicated below:

(Rupees in lakhs)

Sl No	Name of schemes/projects	Eleventh Plan 2007-12 Projected Outlay at 2006-07 prices	Annual Plan 2007-08		Annual Plan 2008-09		Annual Plan 2009-10 Proposed Outlay
			Agreed Outlay	Actual Expenditure	Agreed Outlay	Anticipated Expenditure	
1	2	5	6	7			8
	Horticulture						
1	Direction & Administration	620.00	33.00	34.31	40.00	40.00	180.00
2	Manure and Fertilizer	5951.00	26.00	25.79	26.00	26.00	100.00
3	Plant Protection	330.00	26.00	25.99	28.00	28.00	100.00
4	Commercial Crops	2210.00	190.00	211.66	203.70	203.70	700.00
5	Extension and training	410.00	18.00	17.75	10.00	10.00	70.00
6	Hort & vegetable Crops	10,479.00	412.00	449.33	444.30	444.30	1900.00
7	Other Expenditure						
	i) Land Acquisition	-	-	-	-	-	-
	ii) Post Harvest Management	-	95.00	95.00	48.00	48.00	450.00
8	One Time ACA/SPA for Integrated Infrastructure for Agri & allied Sectors						2000.00
	Total Horticulture	20,000.00	800.00	859.83	800.00	800.00	5500.00

1.2.7 AGRICULTURAL MARKETING

Agricultural Marketing plays a vital role in the development of rural economy. A properly organized marketing ensures remunerative returns to the farmers for their produce and in turn helps in augmentation of production.. Meghalaya has immense scope for development of Horticulture through diversification and intensification of production plans.

The Projected Outlay for the 11th Plan is **Rs 1250.00 lakhs**. The Agreed Outlay for 2007-08 is **Rs 50.00 lakhs** and the Actual Expenditure is **Rs 50.09 lakhs** .The Agreed Outlay during 2008-09 is **Rs 90.00 lakhs** which is expected to be fully utilised. The Annual Plan proposed outlay for 2009-10 is **Rs 120.00 lakhs** details of which is shown in the table below.

(Rupees in lakhs)

Sl No	Name of schemes/projects	Eleventh Plan 2007-12 Projected Outlay at 2006-07	Annual Plan 2007-08		Annual Plan 2008-09		Annual Plan 2009-10 Proposed Outlay
			Agreed Outlay	Actual Expenditure	Agreed Outlay	Anticipated Expenditure	
1	2	5	6	7	8	9	10
1	Agricultural Marketing	1250.00	50.00	50.09	90.00	90.00	120.00
	Total	1250.00	50.00	50.09	90.00	90.00	120.00

1.3. SOIL AND WATER CONSERVATION

1.3.1. The Eleventh Plan (2007-2012) projected outlay for Soil & Water Conservation sector is Rs.18922.00 lakhs. the approved outlay for 2007-08 was Rs.1600.00 lakhs and the expenditure incurred was Rs. 1802.40 lakhs. The approved outlay during 2008-09 is Rs.3075.00 lakhs and the entire amount is expected to be utilized in full. **The proposed outlay for 2009-10 is Rs.3775.00 lakhs.**

1.3.2. Achievements made during 2007-08:-

Watershed Development Project in shifting cultivation areas under Special Central Assistance was implementing with effect from 1999-2000. During the year 2007-08, peripheral bunding of 65200RM/1306, 138/276 numbers of water harvesting/farm ponds was made. Regarding improvement of shifting cultivation, 2(two) model projects was done. M-246.96 ha. of afforestation works and P-150.46 nos. & M-79821 nos. cash/horticultural crops nurseries was achieved under jhum control scheme. Of of Besides the main programmes, other programmes include contour bunding, crop demonstration works, spur/gabion structure, cash/horticultural crop development works. The department is also implementing Soil & Water Conservation programmes under RIDF-NABARD Loan.

1.3.3. Programme for the Annual Plan 2009-10:-

The Eleventh plan targets include erosion control works of 4500 Ha, 1500 Ha of afforestation works, Irrigation for 4000 ha, Cash/Horticultural Crops for 1600 ha and 2000 nos. water harvesting/farm ponds etc. Under Watershed Management Scheme, the department proposes to continue terracing works so as to cover 333.33 ha, Irrigation 666.87ha and Cash/Horticultural Crops for 400 ha. Improved jhum cultivation with different soil & water conservation works is also proposed to be implemented during the plan period is as to cover about 5000 ha of jhum affected areas. During 2009-10, the main schemes propose by the department includes creation of new plantations of P-40,000 nos. and maintain 591534 nos. under soil and water conservation scheme. Under jhum control scheme, plantation of 50,000 nos. and maintenance of 65,611 nos. are proposed to be made.

1.3.4. Schemes/Projects for the Annual 2009-10:-

The schemes under Soil and Water Conservation Sector which are being implemented during 2008-09 and proposed to be continued during 2009-10 are briefly stated in the following:-

(i) **Soil and Water Conservation in General areas:-** The activities taken up under this programme are those which are not identified within a major package programme or watershed management. Such activities are taken up in an individual farmer's field or in community land. Identification and selection of the activity are spread through-out the entire area of the State where many individuals have derived benefits from the programme. Keeping in view the popularity of the programme, particularly for the small farmers of the State, this programme will be continued during 2009-10. During 2008-09 the approved outlay is Rs. 800.00 lakhs which is expected to be fully utilized. The proposed outlay for the Annual Plan 2009-10 is Rs. 512.30 lakhs and the components of the scheme are as follows:-

Items	Eleventh Plan (2007-12)		Annual Plan 2008-09 Anti. Achievement		Annual Plan 2009-10 Proposals.	
	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7
1.Land Dev. (Terracing & Reclamation)	667.00 ha.	30.00			336.50	10.00
2.Erosion Control Works	4500.00 ha.	900.00	500 ha.	265.00	945 ha.	119.00
3. Afforestation	P-1500 ha. M-318.94 ha.	120.00	P-162.60 ha. M-104.93 ha.	20.00	P- 221 ha. M-272.53 ha.	10.00
4. Water Conservation & Distri-bution Works	4000 ha.	800.00	500 ha.	150.00	875 ha.	125.00
5. Cash Crop Dev. works	P-1600 ha/ M-223.18 ha. Nursery 500000 nos.	500.00	P-658.09 ha. M-765.04.ha. <u>Nursery</u> : P-35915 nos. M-109676 nos.	180.00	P-530 ha. M-1123.13 ha. <u>Nursery</u> : P-40000 nos. M-59154 nos.	120.00
6. Conservation Work in Urban Areas	50 units	50.00	7 units	10.00	7 units	8.00
7.Water Har- vesting Works/ Farm ponds etc.	2000 nos.	809.35	300 nos.	175.00	560 nos.	120.30
Total: Soil Conservation Scheme in General Areas.		3209.35		800.00		512.30

ii) Jhum Control scheme:- The Scheme for control of extensive jhum cultivation is still being continued, though in a smaller scale with few items of work. It is felt that the scheme needs to be continued as it is observed that the jhumias families cannot leave their jhum fields straightaway. The department therefore is trying to find out ways and means to reduce the area under jhum by improving the jhum practice with scientific method. During 2008-09 a proposal has been made at an outlay of Rs.52.93 lakhs for taking up Afforestation P-200 ha. & Maintenance 456.3 ha., Cash/Horticultural Crop Plantation Preliminary Works 300.00 ha. Maintenance 211.89 ha. and Nurseries (P-150000 Nos. and M-75491 Nos.). The anticipated achievement for 2007-08 is Rs.32.03 lakhs under Afforestation Maintenance P-206.11 ha. M-23.89 ha. and Cash/Horticultural Crop Plantation. Preliminary works 315.91 ha. and Maintenance 140.39 ha. and Nurseries P-218530 Nos., M-131369 Nos. The proposed outlay for the Annual Plan 2009-10 is Rs. 55.00 lakhs.

(iii) Construction and Maintenance of Departmental Non-Residential Buildings :- The Scheme includes Construction & Maintenance of Godowns, Offices, Garages etc. During 2009-10, it is proposed to take up 2 Nos. of Construction at an outlay of Rs.20.00 akhs.

(iv) Watershed/ Water Resources Management Programme:- This programme aims at integrating various soil and water conservation measures to be taken up in selected micro watersheds. The activities include land development, drainage line treatment, water harvesting/ water conservation and distribution, afforestation, agro-forestry as well as horticultural plantation & crop development and construction of check dams. The sustained production of food, fuel, forage, fibre, fruits and water by the management of vital resources of water, soil and vegetation are determined by the nature of watershed functioning. An outlay of Rs.27.15 lakhs is proposed during 2009-10 for taking up Afforestation P-123 ha. and Maintenance 202.99 ha., Cash/Horticultural Crop Plantation Preliminary Works 110.00 ha. Maintenance 124.41 ha. and Nurseries P-100000 Nos. & M-42198 Nos. The achievement during 2007-08 under Afforestation was P-120.54 ha., M-112.89 ha and Cash/Horticultural Crop Plantation Preliminary Works 78.97 ha., M-85.89 ha. & Nurseries P-62084 Nos., M-92656 Nos.

(v) Special Central Assistance on Watershed Development Project in Shifting Cultivation Areas (WDPSCA):- The Department is also implementing the scheme on Water Development Project in Shifting Cultivation Areas which is 100% Special Central Assistance. The scheme have been started with effect from 1999-2000. The actual expenditure during 2007-08 was Rs.752 40 lakhs. The approved outlay during 2008-09 is Rs. 500.00 lakhs which is expected to be utilized in full. The proposed outlay for the Annual Plan 2009-2010 is Rs. 600.00 lakhs.

(vi) Commercial Crop Development Board:- During 2007-08, the actual expenditure incurred was Rs.20.00 lakhs and the approved outlay for 2008-09 is Rs. 25.00 lakhs which is expected to be fully budgeted. The proposed outlay during 2009-10 is Rs.30.00 lakhs. The scheme is earmarked as financial assistance (grant-in-aid) to the Meghalaya Commercial Crop Development Board (MCCDB) for running of the Board Office.

(vii) NABARD LOAN:- . During the first year of the 11th Plan i.e. 2007-08, 7(seven) projects as indicated below have been sanctioned under RIDF- XIII and the actual expenditure was Rs.210.00 lakhs. The proposed amount for the Annual Plan 2009-10 is Rs.338.00 lakhs.

(Rs. lakhs)

Sl.no.	Name of project	Appd amount	Name of District
1	Ummir River Valley Project	Rs.100.07	East Khasi Hills
2	Middle Umrilang River valley Project	Rs. 56.62	West Khasi Hills
3	Upper Umran River Valley Project	Rs.69.47	Ri Bhoi District
4	Upper Mynkjai River Valley Project	Rs.146.07	Jaintia Hills

Sl.no.	Name of project	Appd amount	Name of District
5	Upper Thalang River Valley Project	Rs.182.07	West Garo Hills
6	Seonang RongkaMinchi River Valley Project	Rs.119.11	East Garo Hills
7	Rongding Kharukol RiverValley Project	Rs. 83.74	South Garo Hills
	Total :-	Rs. 757.15	

(viii) **Water Harvesting Mission** :- The State Government has approved to launch the **Meghalaya Water Harvesting Mission** so as to improve round the year availability of water through water harvesting by way of ponds, tanks, check-dams and other methods. Necessary action for making the Water Harvesting Mission operational is under process. The approved outlay during 2008-09 is Rs. 700.00 lakhs. which is anticipated to be utilized in full. The proposed outlay during 2009-10 is Rs.100. 00 lakhs to be budgeted by Planning Deptt.

(ix) **Accelerated Irrigation Benefit Programme(AIBP)** :-Soil & Water Conservation Department has been asked to prepare project proposals during the middle part of the current financial year under the scheme 'Accelerated Irrigation Benefit Programme(AIBP)' which is now under process to be implemented in all the 7(seven) Districts of the state. The outlay for s.500.00lakhs for the current financial year(2008-09).The scheme shall also continue during 2009-10 and the proposed outlay is Rs. 500.00lakhs.

(x) **Water harvesting Project at Cherrapunjee** :- Soil & Water Conservation Department proposes to implement the scheme for the year round availability of water. The proposed Outlay during the Annual Plan 2009-10 is Rs. 550.00 lakhs.

(xi) **Marai Caves** :- This is a new proposal which is meant for maintenance of Marai Caves in East Khasi Hills District. An amount of Rs. 70.00 lakhs is proposed during the Annual Plan 2009-10.

(xii) **Nongpyiur Falls** :- This is also a new proposal meant for maintenance of Nongpyiur Falls in East Khasi Hills District. A sum of Rs. 80.00 lakhs is proposed during 2009-10.

1.3.5 Outlay for the 11th Plan, Annual Plan 2008-09 & Annual Plan 2009-10 :-

Name of scheme	11 th Plan(2007-2012) Projected outlay	Appd outlay 2008-09	Anti. expenditure 2008-09	Proposed outlay 2009-2010
Direction & Administration	1446.00	365.00	365.00	400.00
Soil Survey & Testing	34.00	6.00	6.00	6.50
Soil Conservation Scheme	3209.35	407.00	407.00	696.30
Extension & Training	270.00	62.00	62.00	66.00
Other Expenditure:-	15.00	3.00	3.00	3.00
i)Const. of approach road.				
ii) Const/maintenance of non-resi. Bldg.	100.00	20.00	20.00	20.00
iii) Jhum Control Scheme.	600.00	50.50	50.50	55.00
iv)Watershed Management	600.00	39.50	39.50	28.00
v) Meghalaya Com. Crops Dev. Board.	200.00	25.00	25.00	30.00
vi) SCA on watershed Dev.Project in Shifting Cultivation Areas (WDPSCA)	4304.00	500.00	500.00	600.00
vii) NABARD Loan	1022.00	200.00	200.00	338.00
viii) I.W.D.P.	*	*	*	*
viii)Jatropha cultivation.	961.65	25.00	25.00	-
ix)Improved Shifting Cultivation.	1000.00	150.00	150.00	200.00
x) Water Harvesting Mission	5000.00	700.00	700.00	100.00

Name of scheme	11 th Plan(2007-2012) Projected outlay	Appd outlay 2008-09	Anti. expenditure 2008-09	Proposed outlay 2009-2010
(xi) Accelerated Irrigation Benefit Scheme	-	500.00	500.00	500.00
(xii) Water harvesting Project at Cherrapunjee	-	-	-	550.00
(xiii) Marai Caves	-	-	-	70.00
(xiv) Nongpyiur Falls	-	-	-	80.00
Total(Other Expenditure).	13802.65	2013.00	2013.00	2574.00
Agricultural Research & Education	10.00	2.00	2.00	2.20
Housing -01-Govt.residential Bldg	150.00	20.00	20.00	30.00
Grand Total:	18922.00	3075.00	3075.00	3775.00

The scheme-wise break-up of the projected outlay for the 11th Plan period, the approved outlay for 2008-09 and the proposed outlay for the Annual Plan 2009-10 are as indicated in the table below :-

* - For IWDP- may be seen in Rural Development Sector para 2.1.2.

1.4 . ANIMAL HUSBANDRY

1.4.1. Animal Husbandry & Veterinary Sector plays an important role for increasing production of animal origin food like milk, meat & eggs. The projected outlay for the Eleventh Plan for this sector is Rs. **10500.00 lakhs. The approved outlay for 2007-08 was Rs 1050.00lakhs and the actual expenditure Rs.1088.52 lakhs. The approved outlay for the Annual Plan 2008 – 2009 is Rs. 1750.00 lakhs, which is expected to be utilised in full. The proposed outlay for the Annual Plan 2009-2010 is Rs.1850.00 lakhs.**

1,4.2. Considering the present state of development of Animal Husbandry in Meghalaya, the state will continue to devote on development of infrastructure & create condition to increase production of animal origin food like milk, meat and eggs and also to generate self employment to the people. Target fixed for production of meat & egg during the eleventh Plan Period is 42,000 tonnes and 110 million Nos respectively. The detailed programmes proposed are summarised below:-

1. Direction & Administration :

The main objective of the schemes under the programme is to strengthen the present administrative set up of Directorate office District Offices, Sub-Divisional Offices, and Engineering Establishment & Information wing. An amount of Rs. 180.00 lakhs is proposed under this programme for 2009 – 10.

2. Veterinary Services & Animal Health:

During 2008-2009 establishment of 4 (four) new Veterinary Dispensaries is being taken up. The spilled-over schemes for construction / upgradation of 4 (four) New Veterinary Dispensaries at Namdong / Nongkrem / Belguri / Rymbai will also be completed during 2009-10. Further with the implementation of Veterinary Council Act 1984, 4 (four) Nos. of the existing Veterinary Aid Centres which were manned by the Para Veterinary Personnel is also proposed to be upgraded into a full fledged Veterinary Dispensaries to be manned by a qualified Veterinary Practitioner during 2009-10. Veterinary Hospital at Shillong/Tura/Jowai & Nongstoin will be further strengthened & equipped with modern machineries & equipments for diagnosis & treatment of various diseases in the Districts.. An amount of Rs. 470.00 lakhs is proposed for 2009 – 2010 under this programme, which includes State Share for implementation of Central Sponsored Scheme – Assistance to State for Control of Animal Diseases (ASCAD).

3. Cattle Development :

Improvement of non-descript indigenous Cattle by Cross Breeding Programme with exotic breed by means of artificial insemination using frozen semen technology will continue. The numbers of Cross Bred Cattle population of the state constitute only 3.00% of the total Cattle population. It is proposed to increase the number of cross bred population to be achieved by increasing the coverage of Artificial Insemination by 20% per year.

The Existing Cattle Farms in the State will be strengthened to be able to supply good quality inputs (breeding animal of high quality) to the farmers & to contribute enhancement of milk production in the State.

Further, with the objective to attain self sufficiency in meat, milk & eggs a new policy to invite Private Sectors investment in the fields of Livestock & Poultry is proposed to be adopted by setting up of Livestock Development Board in the State. To ensure supply of good quality breeding stock of high quality in East Garo Hills, it is proposed to set up a new cattle farm at Samgong in East Garo Hills during 2009 - 2010. An amount of Rs. 90.00 lakhs is proposed for 2009 – 2010.

4. Poultry Development:

Eggs production in the State is far below its requirements. In order to ensure targeted production of eggs, attempts have been made by the Department to re-orient its Poultry Breeding Farms, Broiler Farms and Duck Farms to meet the demand for chicks, eggs and broiler meat. The proposed re-orientation is focused on production of Layers Chicks, Broiler Chicks and Eggs production.

Further, in order to encourage and involve people in Poultry production, the existing schemes for distribution of Poultry Unit, Piggery production under SLBP and Poultry/Broiler Production schemes for educated un-employed youth will continue with larger outlay to cover more beneficiaries during 2008-09. The targeted beneficiaries to be covered under this scheme are :-

	Target to be achieved in 11 th Plan	Anticipated Achievement 2008 - 2009	Proposed Target for 2009 – 2010
i) Distribution of Poultry Unit	833	250	366
ii) Poultry Production under SLBP	200	38	58
iii) Poultry/Broiler Production of Educated Un-employed Youth	240	40	55

Past experienced shows that due to high cost of feed, many beneficiaries were unable to continue the schemes without support from Government. To overcome this constraint and make it sustainable it is proposed to ensure linkage with the subsidy schemes for supply of Poultry feeds to farmers under Feed and Fodder Development.

Rural Cluster Approach on Poultry Development in selected villages to increase meat & eggs production is proposed to continue during 2008 - 2009. An amount of Rs. 197.00 lakhs is proposed for the year 2009-2010 under Poultry Development Programme.

(5) Sheep, Goat and Rabbit Development_:

In order to encourage and involve people in Goatery Production, the scheme for distribution of Goatery unit will continue with larger outlay to cover more beneficiaries. About 1200 kids both male and female is expected to be produced for the supply to farmers after keeping reserved the required numbers in the farm for breeding purpose.

Rabbit Farms

Rabbit farming is very much encouraging to increase meat production, it is economically viable in rural areas because of less investment cost due to availability of local materials for housing and feeding and the return is expected to be high. The only Rabbit farm in the state is to be improved and strengthened to produce result and impact on the economy of farmers. A new Thrust is proposed to be given in this aspect through training, adoption of modern system of management and breeding in collaboration with ICAR for NEH region during 2009 – 2010. The target of the beneficiaries to be covered under the scheme distribution of goat unit are as follows :

	Target to be achieved in 11 th Plan	Anticipated Achievement 2008 – 2009	Proposed Target for 2009 – 2010
i) Distribution of Goatery Unit	333	50	55

An amount of Rs. 20.00 lakhs is proposed for 2009 – 2010 under the Sheep & Goat Development.

(6) Piggery Development:

Piggery is common amongst the people of Meghalaya. It is almost a way of life for every household in rural areas. The Regional Pig Breeding Farm, Kyrdekulai and 9 District Piggery Farms will be suitably strengthened to meet the demand for Breeding Stock. 1(one) New Base Piggery Breeding Farm at West Garo Hills to cater the need of breeding stock of pigs will be established by 2009 – 2010. In order to encourage and involve people in Piggery Production, the existing schemes for distribution of Piggery units, Piggery Production under SLBP and Piggery farming for Educated Un-employed Youth and Rural Cluster Approach on Piggery Development in selected villages will continue with much larger outlay to cover more beneficiaries. To ensure continuity and make the above schemes sustainable, there will be linkage with subsidy scheme for providing piggery feeds to farmers under Feed and Fodder Development.

The targeted beneficiaries to be covered under these scheme are :-

	Target to be achieved in 11 th Plan	Anticipated Achievement 2008 – 2009	Proposed Target for 2009 – 2010
i) Distribution of Piggery Unit	413	120	151
ii) Piggery Production under SLBP	210	35	55
iii) Piggery farming for Educated Un-employed Youth	136	40	50

An amount of Rs. 180.00 lakhs is proposed under Piggery Development Programme during 2009 – 2010..

(7) Feed and Fodder Development:

Two existing feed mill located at Umsning and Tura will be improved to enhance their utilization capacity. The Feed Analytical Laboratory, Kyrdemkulai shall be provided with all necessary equipments and machineries for its modernization. One New Feed Analytical Laboratory is proposed to be set up in Garo Hills during 2009 – 2010 to facilitate quick analysis of Feed as the present Laboratory is located at a very far distance from Garo Hills. Distribution of minikit will continue to increase fodder production. Subsidy for Poultry/Piggery feed to the farmers will continue

The existing fodder farms in the State have been able to cater to requirement of fodder for Government Cattle Farms. The production could be augmented further with provision of Tractors and Power Tiller etc. Provision has therefore been made to provide these items during 2009 – 2010. An amount of Rs. 35.00 lakhs is proposed for feed & fodder development..

(8) Administrative Investigation & Statistics:

The Govt. of India has recommended the expansion of Integrated Sample survey for estimation of major Livestock Product. An amount of Rs. 15.00 lakhs is proposed for 2009 - 2010 to cover the State Share for meeting the pay & allowances of staffs.

(9) Research :

The Clinical Laboratory Shillong & Vaccine Depot will continue with the proposed outlay of Rs. 20.00 lakhs during 2009 – 2010.

(10) Education & Training:

The Vocational Training Centres, Kyrdemkulai/Tura will be strengthened with additional training infrastructure and staff and additional Hostel accommodation for farmers trainee. 1 (one) No. of Vocational Training Centre will also be established at Jaintia Hills, East Khasi Hills and West Khasi Hills each during 2009 – 2010. In service Personnel shall be sent regularly for specialized training in different Institution in India preferably in the subject of his specialization (Job assignment basis). Candidates would also continue to be sponsored for training in B.V.Sc Course/B.Sc (Dairy Tech) and V.F.A. Training Course. An amount of Rs. 43.00 lakhs is proposed for Education and Training during 2009 – 2010.

(11) Other Expenditure etc – Construction & Improvement of both Residential & Non Residential Building.

Besides the existing infrastructure, establishment of Veterinary Dispensary, Upgradation of Veterinary Aid Centre, Modernisation of Veterinary Hospital, Establishment of Livestock Development Board, establishment of new Cattle Farm at Samgong in East Garo Hills, Rural Cluster Approach for Poultry & Piggery Development, Establishment of Base Piggery Production Farm in Garo Hills. Establishment of Vocational Training Centre at Jaintia Hills & West Khasi Hills and establishment of Feed Analytical Lab at Garo Hills were proposed to be taken up during 2009 – 2010. Hence an amount of Rs. 500.00 lakhs is proposed for maintenance of the infrastructures and also for taking up of the new schemes.

1.4.3 PRIORITY SCHEME PROPOSED FOR 2009 - 2010.

1. With the view to increase meat & eggs production in the state for self reliance, the Department felt necessary to establish 2 (two) Nos of Base Piggery breeding farms one each in Garo Hills & Jaintia Hills District for production of Piglets for farmers.
2. A new policy to motivate participation of private partnership in Livestock and Poultry production is proposed to be taken up. In this regard the department proposed to set up the Meghalaya Livestock Dev. Board for the purpose.
3. Further, Improvement in Livestock Services will be taken up by the Department for this purpose by establishing (4) four New Veterinary dispensaries and upgradation of 4 (four) Veterinary Aid Centres into dispensaries & infrastructure for New Vocational Training Centres at Jowai, Shillong and Nongstoin and establishment of 1 (one) Feed Analytical Lab at Garo Hills.
4. At present there are only 4 (four) Cattle Breeding Farms in the State located in East Khasi Hills, Jaintia Hills, Ri-Bhoi & West Garo Hills districts. To strengthen Cattle Development Programme in Garo Hills the Department proposed to set up 1(one) Cattle Breeding Farm, in East Garo Hills district.
5. Completion of spill over schemes of 2007 – 08 for establishment of New Veterinary Dispensary at Rymbai/Namdong/Belguri & Nongkrem and also for shifting of Cattle Farm, Khliehtyrshi to Saitsama.

1.4.4. The broad break –up of the proposed outlay for the 11th Plan (2007-12) and Annual Plan 2007-08, 2008-2009 and the proposed outlay for 2009-2010 in respect of Animal Husbandry and Veterinary Sector are indicated in the Table below:-

(Rs. Lakhs)							
Sl. No.	Name of programme / scheme	11 th Plan 2007- 12 Proposed Outlay	Annual Plan 2007-08 Approved Outlay	Actual Expenditur 2007-2008	Annual Plan 2008-09 Approved Outlay	Anticipated Expenditur	Annual Plan 2007-08 Prposed Outlay
1.	Direction and Administration	520.00	133.81	131.21	146.74	146.74	180.00
2.	Vety. Services & Animal Health	2135.00	277.67	315.13	426.82	426.82	470.00
3.	Cattle and	940.00	75.71	75.25	87.44	87.44	90.00

Sl. No.	Name of programme / scheme	11 th Plan 2007- 12 Proposed Outlay	Annual Plan 2007-08 Approved Outlay	Actual Expenditure 2007-2008	Annual Plan 2008-09 Approved Outlay	Anticipated Expenditure	Annual Plan 2007-08 Proposed Outlay
	Buffalo Development						
4.	Poultry Development	1160.00	130.72	131.07	196.21	196.21	197.00
5.	Sheep and Goat Development	80.00	11.76	12.23	15.43	15.43	20.00
6.	Piggery Development	1100.00	124.84	123.00	179.92	179.92	180.00
7.	Fodder & Feed Development	395.00	74.24	75.57	33.30	33.30	35.00
8.	Administrative Investigation & Statistics	150.00	10.12	6.55	10.00	10.00	15.00
9.	Research	80.00	12.75	10.75	15.40	15.40	20.00
10.	Education	309.00	33.34	42.72	42.48	42.48	43.00
11.	Infrastructure	3631.00	165.04	165.04	496.26	496.26	500.00
12.	NABARD Loan				100.00	100.00	100.00
	Total	10500.00	1050.00	1088.52	1750.00	1750.00	1850.00

1.4.5. CENTRALLY SPONSORED AND CENTRAL SECTOR SCHEMES:

The following are the Centrally Sponsored Schemes to be continued during 2009-10:

1. Professional Efficiency Development- Establishment of State Veterinary Council/
2. Assistance to State for Control of Animal Disease (ASCAD).
3. National Project on Rinderpest Eradication (NPRE)
4. Sample Survey for estimation of Major Livestock Products.
5. Livestock Census.
6. National Project for Cattle & Buffalo Breeding.
7. Livestock Insurance Scheme.

1.5. DAIRY DEVELOPMENT

1.5.1. The projected outlay for Dairy Development Sector for the 11th Plan is Rs.2200.00 lakhs. During 2007 – 2008 the approved outlay was Rs.175.000 lakhs and the actual expenditure Rs.175.37 lakhs. The approved outlay for 2008 – 2009 is Rs.200.00 lakhs which is expected to be utilized in full. The target for production of milk is fixed at 95.00 thousand tones to be achieved up to the end of the 11th Plan and the proposed target to be achieved during 2009 – 2010 is fixed at 81.00 thousand tonnes. **The total outlay proposed for 2009-2010 is Rs.250.00 lakhs.** The detailed programme for Dairy Sector proposed to be taken up during 2009-2010 is summarized below:

1.5.2. There are 5(five) milk Chilling Plants and one Creamery & Ghee making centre in the State. The installed capacity and the present utilization and the target for 2009-2010 is shown in table below:

Sl.No.	Name of the Plant	Installed capacity per day	Present utilization per day	Target for the 11 th Plan	Target for 2009-2010
1.	Central Dairy, Mawiong, Shillong.	10,000 ltrs	4,000	10,000	6,000
2	Town Milk Supply, Tura	8,000 ltrs	800	8,000	2,000
3	Rural Dairy Extension Centre, Jowai	8,000 ltrs	800	8,000	2,000
4	Chilling Plant, Nongstoin	2,000 ltrs	100	1,000	200
5	Chilling Plant, Gandubi	2,000 ltrs	100	1,000	200

With the expansion of the Dairy Plant at Jowai & Tura and with the implementation of the new policy in respect of procurement & marketing of milk where the same is now being handled by the Registered District Societies, it is expected that the utilization capacity of the Plants will be maximized up to its installed capacity to ensure procurement & distribution of good quality pasteurized milk to the consumers.

1.5.3 **Employment Generation Scheme:-** In order to encourage & involve people for increasing milk production the subsidy scheme for educated unemployed youth & general farmers will continue during 2009-2010 with much large outlay to cover more beneficiaries. The target of the beneficiaries to be covered under the schemes & subsidy scheme are as follows:

Sl.No.	Name of the schemes	Target to be achieved in 11 th Plan	Anticipated Achievement 2008-09	Target for 2009-2010
1	Employment Generation for Educated Unemployed Youth for taking up Dairy Farming	283 Units	18	46
2	Distribution of Dairy Unit	257 Units	40	62

1.5.4 **New Schemes:-** Survey is being conducted for establishment of one Dairy Plant in Williamnagar, East Garo Hills to provide remunerative market for the milk producers for sale of the product and also to ensure supply of quality milk to the consumers of the districts.

1.5.5. The broad break –up of the proposed outlay for the 11th Plan (2007-12) and Annual Plan 2007-08, 2008-2009 and the proposed outlay for 2009-10 are as indicated in the Table below:-

(Rs. Lakhs)

Sl. No.	Name of programme / scheme	11 th Plan 2007- 12 Proposed Outlay	Annual Plan 2007-08 Approved Outlay	Actual Expenditure 2007 -2008	Annual Plan 2008-09 Approved Outlay	Anticipated Expenditure 2008-09	Annual Plan 2009-10 Proposed Outlay
1.	Direction and Administration	30.00	4.66	7.27	13.85	13.85	20.00
2.	Employment Generation	200.00	10.57	10.57	30.00	30.00	33.00
3.	Cattle–cum Dairy Development	1270.00	111.77	109.53	107.15	107.15	127.00
4.	Construction & improvement of Residential and Non-Residential Buildings, etc.	700.00	48.00	48.00	49.00	49.00	70.00
	Total	2200.00	175.00	175.37	200.00	200.00	250.00

1.6 FISHERIES.

1.6.1 Eleventh Plan (2007-2012) Projected Outlay of Fisheries sector is Rs.4500.00 lakhs. The agreed outlay during 2007-08 was Rs.350.00 lakhs. Out of this amount, the actual expenditure incurred was 348.47 lakhs. The approved outlay for 2008-09 is Rs. 500.00 lakhs which is expected to be fully utilized. **The proposed outlay for the Annual Plan 2009-2010 is Rs.550.00 lakhs.**

1.6.2. Achievements during the Annual Plan 2007-08 :-

During the Annual Plan 2007-08, the department has achieved about 3.766 metric tonnes of Inland fish production scheme. The total number of fry and fingerlings production comes to 0.9373 million numbers. The department has also taken up scheme to reclaim and renovate the existing ponds /tanks by providing subsidy to some selected beneficiaries with a view to augment fish production from private sector. Training to fish farmers was also taken up on the modern concept of fish culture for improvement of fish production.

1.6.3 During the Eleventh Plan, it is proposed to cover 70.00 hectare water areas with an anticipated fish production of 140 MT (approximately). Awareness programme is also proposed to organize to check and combat unwanted destruction of fishes in collaboration with the NGO's/Village Headmen/ sardars etc to declare fish sanctuary in some selected rivers/ streams.

1.6.4. The following schemes will be continued during the Annual Plan 2009-10 are as follows:-

A. Direction & Administration- The scheme which is meant for strengthening and streamlining the activities of the department by providing guidance/ instructions to the Districts & Sub-Divisional levels for effective implementation of developmental schemes. An outlay of Rs.370.00 lakhs is proposed during the 11th plan period and Rs. 62.00 lakhs for the Annual Plan 2009-10.

B. Inland Fisheries:-

i) Fishseed Production and Demonstration centre-Maintenance of the Departmental fish seed farms which serve as the fish seed which serve fish seed production as well as demonstration centre for the benefit of the farmers is being carried out. The approved outlay of Rs.32.13 lakhs during 2008-09 is expected to be utilized in full and Rs.26.00lakhs is proposed for the Annual Plan 2009-10.

ii) Development of reservoir and Lakes- The scheme is for development of reservoirs at Kyrdem Kulai and Nongmahir for fish production. The reservoirs require re-stocking with quality fish seeds. Modern machineries/equipment are to be provided for a successful harvesting operation. The approved outlay during 2008-09 is Rs.15.65 lakhs and the proposed outlay for the Annual Plan 2009-10 is Rs.20.00 lakhs. The department proposed to develop some selected lakes/bheels which has potential for fish culture in addition to two artificially impounded water viz. Kyrdemkulai and Nongmahir reservoirs.

(iii) Conservation and Legislation for protection of fisheries- The scheme is for creating an awareness on the minds of the public of the need of conservation measures through seminars, workshops etc and also to preserve the valuable fish fauna in the state especially

the Mahaseer which is presently a threatened species. The approved outlay during 2008-09 is Rs.20.00 lakhs and the proposed outlay for the Annual Plan 2009-10 is Rs.20.00 lakhs

(iv) Community Fishery Development Project- Under the scheme, financial assistance to the interested fishery community/village/societies etc for construction of community fishery project @ 50% of subsidy to the extent of 1.00 ha water areas and a minimum water area of 0.30 hectare is provided. The approved outlay for 2008-09 is Rs. 30.00 lakhs and Rs.30.00 lakhs is proposed for the Annual Plan 2009-10.

C. Processing, preservation and marketing:-

Marketing and Transport of fish and fishseeds - The scheme is meant for transport of fish seed from production centres to the distribution centres. During the year 2008-09, it is proposed to provide fishseeds of different species of high yielding varieties to the fish farmers for culture in ponds and tanks at 25% subsidized rate. The approved outlay during 2008-09 is Rs. 10.00 lakhs and Rs.10.00 lakhs is proposed during the Annual Plan 2009-10.

D. Extension & Training:-

The scheme aims at providing training to fish farmers on the modern concept of fish culture through extension machineries with a view to improve fish production. The approved outlay for 2008-09 is Rs.20.00 lakhs and Rs.15.00 lakhs is proposed during the Annual Plan 2009-10. It is proposed to intensify the ongoing programmes by organizing seminar, workshops in every district and sub-divisional level in the state.

E. Research and Education :-

Research –cum -Fishseed Production Centre- The scheme aims at conducting research works in the field of fisheries development and at the same time to train private pisciculturists for fishseed production. During the year 2009-10, it is proposed to set up 1(one) Training Centre for providing training to private pisciculturists with modern concepts of fish culture. The approved outlay during 2008-09 is Rs.3.40 lakhs and the proposed outlay for the Annual Plan 2009-10 is Rs.5.00 lakhs.

F. Culture & Development of Mahaseer Fisheries- The scheme aims at culture and development of Mahaseer Fisheries with a view to replenish the fish stock in the natural fishery resources like rivers, streams including stocking in ponds and tanks. During 2008-09, it is proposed to take up construction works on the 2nd phase of mahaseer hatching at Mawpun so as to make it functional. The approved outlay for 2008-09 is Rs.8.00 lakhs and Rs.15.00 lakhs is proposed for 2009-10.

G. Culture and Breeding of Ornamental/Aquarium Fishes- To facilitate culture and breeding of ornamental / Aquarium fishes in private sector, financial assistance is provided to interested fish farmers for taking up the scheme. An outlay of Rs.12.00 lakhs is proposed for 2009-10. It is also proposed to provide 75% subsidy to interested fish farmers for construction of 2 (two) nos. cemented tanks of an average size of 2.75 m x 1.75m x1.00m each including purchase of implements, feed, ornamental fishseeds @ Rs. 0.60 lakhs per beneficiary. The remaining 25% i.e Rs. 0.20 lakhs shall be borne by the beneficiaries .

H. One Thousand Ponds Scheme- Aquaculture Development - This is an ambitious scheme which is meant for generating employment opportunities to the people in the rural areas for enhancing the production aspects and to increase the cultural water area by way of construction of fish pond. The scheme is a back ended subsidy with 25% loan and 75%

subsidy. The beneficiaries are be provided financial assistance for construction of ponds including cost of inputs @Rs. 3.60 lakhs/ ha water area. The minimum eligible water area is 0.20 ha. subject to a maximum of 1.00 ha water areas. The scheme started during 2005-06 and an amount of Rs.240.84 lakhs was utilized for construction of 407 nos. of ponds in all the 7 (seven) Districts of the State. During 2006-07 Rs.262.25 lakhs was spent and 451 nos.of ponds achieved. An amount of Rs.2700.00 lakhs is proposed for the 11th plan period and the proposed outlay during 2009-10 is Rs.275.00 lakhs.

(Rs. lakhs)

Sl. no.	Name of Schemes	Projected 11 th Plan outlay 2007 -2012	Approved outlay 2008 -09	Anti. expd. 2008-09	Proposed outlay 2009-10
1	Direction & Admn.	370.00	51.76	51.76	62.00
2	Inland Fisheries:-	100.00	32.13	32.13	26.00
i)	Fishseed Production & Demonstration Centre				
ii)	Development of reservoirs	100.00	15.65	15.65	20.00
iii)	Conservation & legislation for protection of fishes.	100.00	20.00	20.00	20.00
iv)	Community Fishery Dev. Project	100.00	30.00	30.00	30.00
3	Marketing & Transport of Fish/Fishseeds	100.00	10.00	10.00	10.00
4	Extension & Training	75.00	20.00	20.00	25.00
5	Research & Education- Fishseed Production demonstration - cum Research Centre	25.00	3.40	3.40	5.00
6	Constn/ Improvement of Depttl- resi. Bldgs	50.00	9.81	9.81	10.00
7	Constn/ Improvement of Depttl Non- resi. Bldg	50.00	10.00	10.00	10.00
8	Aquaculture for Development of One- Thousand Ponds	2700.00	262.25	262.25	275.00
9	Fish Farmer Dev. Agency (state share)	160.00	-	-	15.00
10	National scheme for welfare of fishermen (state share)	200.00	15.00	15.00	15.00
11	Culture & development of mahaseer fisheries	170.00	8.00	8.00	15.00
12	Culture & breeding of ornamental fishes (state share)	200.00	12.00	12.00	12.00
	Total	4500.00	500.00	500.00	550.00

1.7. FOOD, STORAGE & WAREHOUSING

1.7.1. The Eleventh Plan(2007-2012) projected outlay is Rs.450.00 lakhs. The approved outlay during 2007-08 was Rs.15.00 lakhs and the whole amount was utilized. The approved outlay during 2008-09 is Rs.20.00 lakhs which is expected to be fully utilized. **An outlay of Rs.25.00 lakhs is proposed for the Annual Plan 2009-10.**

1.7.2. The State Ware Housing Corporation has so far constructed a total capacity of 13200 M.T. During the Annual Plan 2009-10, an additional capacity of 0.025 Metric tones is proposed to be constructed in places like Khanapara, Nongstoin, Mawlai, Byrnihat etc where additional storage spaces are required for buffer stocking of foodgrains.

1.8. COOPERATION

1.8.1. The projected outlay for the Eleventh Plan (2007-2012) is Rs. 5100.00 lakhs. The actual expenditure during 2007-08 was Rs.542.27 lakhs out of the agreed outlay of Rs. 575.00 lakhs. The approved outlay for 2008-09 is Rs.850.00 lakhs which is expected to be fully utilized. **The proposed outlay for the Annual Plan 2009-10 is Rs.700.00 lakhs.**

1.8.2. The Cooperative Movement in the State has not yet been able to play its role effectively in the promotion of equity, social justice and economic development because of the structural weakness of the majority of the Cooperative Societies as well as the managerial inefficiency. Liberalisation of economy has thrown a new challenge for survival of Cooperatives in the state and a special attention is thereby required for strengthening of the Cooperative Organisation.

1.8.3. Programmes for Annual Plan 2009-10 :-

The programmes for the Annual Plan 2009-10 are worked out keeping in view the need for balanced development of the Cooperative Movement in the State as a self reliant instrument of socio- economic service in the given period. The detail programmes are as follows:-

(i). Direction & Administration:- The department proposes to set up 3 (three) Sub-Divisional Offices at Resubelpara, Mairang and Khliehriat for which creation of new posts of different categories is required. Creation of a couple of medium category posts is also required for strengthening the Head-quarter administration. An outlay of Rs.214.00 lakhs is approved for 2008-09 which is expected to be fully utilised and Rs.215.00 lakhs is proposed for 2009-10.

(ii) Training:- Departmental Officers and Executive Level Officers of the State level Cooperative Societies are proposed to be exposed to train outside the State for skill upgradation and for familiarizing them with new technique of development. It is also proposed to upgrade and improve the training facilities of the Meghalaya Cooperative training Institute. The approved outlay for 2008-09 is Rs.5.00 lakhs and Rs.5.00 lakhs is proposed for the Annual Plan 2009-10.

(iii) Research & Evaluation:- With the Cooperative activities covering new functional areas which required outside consultancy services and expert advice from formulation state

to the implementation of the project, it is necessary to help cooperative societies to hire consultancy services as they do not have the resources to meet the cost for the same on their own. The approved outlay for 2008-09 is Rs.2.00 lakhs and the proposed outlay for the Annual Plan 2009-10 is Rs.3.00 lakhs.

(iv) Information & Publicity:- In order to make the common people aware of the cooperative principles and ideals, it is proposed to intensify the existing publicity on programmes and departmental schemes and start motivational programmes right upto village level. The approved outlay for 2008-09 is Rs.5.00 lakhs and the proposed outlay for 2009-10 is Rs.5.00lakhs.

(v) Assistance to Multi purpose Rural Cooperatives:- The main thrust of the scheme is to revitalize the Service Societies (PACS) which form the backbone of Cooperative credit structure at the grass root level by giving new orientation to their activities and to encourage and strengthen the Multipurpose Village Co-opeatives organized in identified pockets where Primary Agricultural Credit Co-operative Societies (PACS) are relatively weak. An outlay of Rs. 70.00 lakhs is approved for 2008-09 and Rs.70.00 lakhs is proposed for 2009-10.

(vi) Assistance to Credit Co-operatives:- The State Cooperative Banks and the Urban Cooperative Banks have been directed by the Reserve Bank of India to adopt the new norms of classification of non- performing assets including overdues and adjustment of the same in the Profit & Loss Account and balance sheet of the Banks concerned. The Meghalaya Cooperative Apex Banks Ltd. is functioning satisfactorily. Unless special assistance is given to the Meghalaya Cooperative Apex Bank Ltd. and Urban Banks to absorb the losses due to overdues as was given by the Govt. of India to the Commercial Banks to which the same norms are applicable, the Banks very existence will be threatened. Hence, provision is kept for the scheme of cleansing of balance sheet of Apex Bank/Urban Bank. The approved outlay for 2008-09 is Rs.37.50 lakhs and Rs. 38.00 lakhs is proposed for the Annual Plan 2009-10. The revival package for Rural Credit Cooperative Institutions on the recommendation of Task Force on “ Revival of rural Credit Institution”(Vidyanathan Committee Report) has been taken into consideration in orde to revitalize the whole credit structure for ensuring adequate flow of credit to the needy grassroot level farmers/growers.

(vii) Other Cooperatives:- The different types of Cooperative Societies like Marketing, Consumer, Processing, Livestock etc., Cooperatives will continue to play a very vital role in the Cooperative Sector. The approved outlay for 2008-09 is Rs.134.00 lakhs and the proposed outlay for the Annual Plan 2009-10 is Rs.140.00 lakhs.

(viii) OtherExpenditure:- The Handloom activity has a vast potential for development in the State for income and employment generation in the rural sector. The is meant for meeting the salary of cadre Secretaries posted to Handloom Weavers Cooperatives. The scope /potentials are available in the State for development of activities allied to Agriculture like Dairy, Poultry, Piggarey, fishery etc. Assistance to Women Cooperatives has also been set up in all districts for giving opportunity among women for self- employment. The approved outlay for 2008-09 is Rs.157.50 lakhs and Rs. 190.00 lakhs is proposed for the Annual Plan 2009-10.

(ix) Education: The department feels that more stress should be given on educational and motivational programmes to be taken up in rural areas to raise the Cooperative consciousness of the people which has been identified as the biggest constraint for the proper growth of rural Co-operative. The Co-operative Development fund has been activated and a number of promotional and training programmes was funded out of it with satisfactory

results. The approved outlay for 2008-09 is Rs.25.00 lakhs and Rs. 30.00 lakhs is proposed for the Annual Plan 2008-09.

1.8.4. The break up of the projected outlay for the 11th plan, approved outlay and anticipated expenditure during 2007-08 and the proposed outlay for 2008-09 are indicated below :-

(Rs. lakhs)

Sl. No.	Name of scheme	Projected outlay for 11 th Plan	Approved outlay 2008-09	Anti. expd. 2008-09	Proposed outlay 20098-10
1.	Direction & administration	565.00	214.00	214.00	215.00
2.	Training	70.00	5.00	5.00	5.00
3.	Research & Evaluation	11.50	2.00	2.00	3.00
4.	Information & Publicity	40.00	5.00	5.00	5.00
5.	Assistance to Multipurpose Rural Cooperation	143.00	70.00	70.00	70.00
6.	Assistance to Credit Cooperatives	2550.00	37.50	37.50	38.00
7.	Assistance to Other Cooperatives	946.50	134.00	134.00	140.00
8.	Other Expenditure	553.00	157.50	157.50	190.00
9.	Agril. credit Stabilization Fund.	20.00	-	-	4.00
10.	Education	196.00	25.00	25.00	30.00
	Total	5100.00	650.00	650.00	700.00