



STATE AGRICULTURE PLAN

**UNDER NADP/RKVK PROGRAMME
DURING 12TH FIVE YEAR PLAN (2012 -17)
ACTIVITIES PROPOSED FOR
THE STATE OF NAGALAND**

**PREPARED BY:
DEPARTMENT OF AGRICULTURE
GOVERNMENT OF NAGALAND**





सत्यमेव जयते



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STATE AGRICULTURE PLAN (SAP)

Second edition (12th Five Year Plan)

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**Department of Agriculture
Government of Nagaland**

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FOREWORD

The Ministry of Agriculture and Co-operation, Government of India in 2007 directed the States to prepare District Level Agriculture plans for 5 (five) years for the Agriculture Sector more comprehensively, taking agro-climate condition, natural resource issue & technology into account and integrating, Livestock, Poultry and fisheries more fully. This will involve a new scheme for Additional Central Assistance to State Plan, administrated by the Union Minister of Agriculture over and above its existing Central Sponsoring Scheme. The aim was to achieve a substantial improvement in the Agriculture production in the District through various programmes for rural up-liftment.

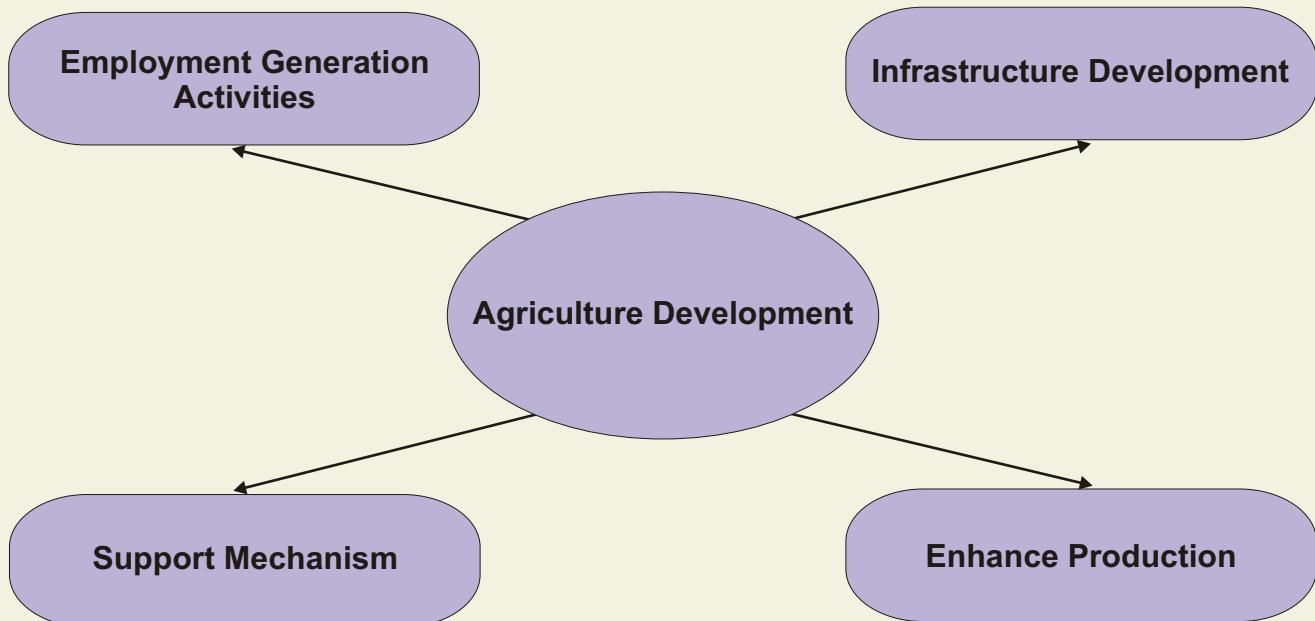
In view of the fact that over 66% of the nation's population still lives in the villages, development of the Agriculture Sector is the only way for overall Socio-economic development of the nation. Sustainable Agriculture Development in the District, however, calls for Micro-level planning based upon the existing ground reality. Agricultural Development approach and consequent investment plans prepared by the Government of India are based upon national perspectives that largely differ for the socio-economic and socio-cultural scenario that exists in the Districts of Nagaland. It is therefore, considered appropriate to redefine the Agricultural development approach for the district in particular and the state of Nagaland in general based upon the prevailing situation within the board objectives of the national policies.

State Agriculture Plan (SAP).

The Rashtriya Krishi Vikas Yojana (RKVY) programme was introduced in the State from 11th Five Year Plan onward (2007-08 to 2011-12). According to the directive given by the Ministry of Agriculture and Co-operation, Government of India, State Agriculture Plan (SAP) for 11th Five Year Plan was prepared and duly submitted to the Ministry. Likewise, as per the directive of the Ministry, State Agriculture Plan (SAP) for 12th Five Year Plan (2012-13 to 2016-17) is being prepared considering the background of the Districts in Nagaland in light of their economy, potential for growth and sustainability, based on the reports of all the districts by making the best use of available Human, Land, Water Climatic and Natural Resources with the supporting infrastructure. Identifying the growth potential sectors, economically viable projects/ Schemes are required to be formulated which could be funded by the Ministry of Agriculture & Co-operation, Government of India. The formulation of a strategy for triggering a self sustaining process for economic development will need to incorporate one or combination of many such schemes which ultimately are envisaged to generate rural-based self employment opportunities.

The Agriculture Development Model.

The perspective plan for Agriculture Development of Nagaland is centered round four distinct/specific aspects (Enhanced Production, Employment Generating (Economic Development) activities, Infrastructure Creation (especially Rural-road Connectivity, marketing and Support Mechanism) as given below.



The State Agricultural Development Model for Nagaland

Objective of the study.

- * To provide a framework, based upon ground reality, needs and potential of various districts for developing short-term action plans.
- * To identify for reorientation in existing schemes based upon analysis of local resources and existing infrastructure.
- * To focus in the long term plan, a strategy for
 - Maximization of production opportunities.
 - Alleviation of rural poverty.
 - Increase in productivity particularly in Agriculture Sector.
 - Diversification by development of Horticulture, Livestock and Diary Sectors.

EXECUTIVE SUMMARY

The emerging negative growth rate in Agriculture Sector, growing economic disparities between the rural and urban population coupled with socio-political instability of rural masses demand for restructuring of Agricultural policies. In the context of large-scale migration of the rural population to the urban areas in search of opportunities, the Government is bound to take policy for generating large-scale employment opportunities in the villages itself. Prerequisite of such policies will demand investment for Agricultural not only for economic development in rural areas but also to facilitate better population-support services to rural masses. Accordingly, the Government of India has already initiated investment in Agricultural Sector.

Agriculture:

The cropping intensity of the State is found at 125%. The cropping intensity however, cannot be increased much further due to hilly terrain. Nevertheless, the Agriculture Sector plays an important role in the economy of State and there exist opportunities for increasing production by distribution of improved seeds, mechanization, improved implements, seed replacement, diversification to Horticulture crops.

Horticulture:

The State possess huge potential for cultivation of horticultural crops due to its favorable agro-climatic condition. This can bring about not only self-sufficiency in fruit production but also focus on commercial production. There is threat in horticultural production due to unorganized marketing network as well as short shelf-life of the products. However, opportunities also exist for value addition of Horticultural products.

Livestock:

Livestock Sector can play a vital role in upliftment of rural economic in the State. Being a hilly state with a population belonging to the tribal communities, rearing of pig is common. Major constrains of livestock development in the state are:

- * Insufficient veterinary services
- * Lack of diagnostic laboratory for disease
- * Inadequate supply of medicines and vaccines
- * Limited credit facilities
- * Inadequate feeds and fodder and high cost
- * Inadequate A.I. centre
- * Lack of breeding farm and feed mill
- * Lack of training facilities in the State
- * Lack of satellite poultry breeding farms for supply of hatching eggs and day old chicken to local farmers

Facility/Strategies required for Development.

- * Development of livestock
- * Animal health care
- * Organizing motivational training programmes.
- * Establishment of feed mill.
- * Providing good quality semen and other Veterinary Services.
- * Establishment of fodder farm.
- * Establishment of satellite farm for supply of day-old chicken, hatching eggs, exotic piglets etc.
- * Providing adequate financial support from Government and other financial institution.

Fishery:

Being a confluence of many streams of water, terrace field, enormous resources in the form of water bodies and swamps exist in the State for development of Fishery may be a major revenue earning activity. A small section of the population also has accepted fishery activities on commercial basis. But scientific development of fishery as an industry in the state remain totally neglected in spite of being endowed with immense resources in the form of rivers, swamps, ponds, tanks and paddy fields. The ecological condition of the state with its sub-tropical humidity and moderate temperatures is quite favourable for pisci-culture. Such potentialities have not been harnessed. This will also create opportunities for employment and generate income. As the fishery activity in the state hold very bright prospects, the need for planning in development must include the following:

- * Identify, disseminate and implement appropriate technology to optimize fish production.
- * Promote economic fish farming among large landholders and fish rearing in the smaller ponds.
- * Encourage commercial fish production in all water bodies of the State.
- * Promote responsive-participatory restocking of capture fisheries.
- * Preserve indigenous fish species and their habitat.

Soil conservation:

Land degradation problem has been further aggravated due to population growth for both human and livestock. The surging population indiscriminately exploits natural resources to meet demand for food, fodder, fuel, fibre etc. which degrades arable land. Fast degradation of land resources reduces Agricultural production, and invokes ecological problems in the state. To resilient the degraded land resources, promote sustainable production and to protect the environment; prompt conservation of land resources is urgently necessitated.

The environment problems in the state is associated with farming practices. To tackle this persistent environment problems, promote sustainable farming, optimize crop production and to protect the environment simultaneously, the following activities may be taken up:

- * Bench Terracing
- * Water Harvesting structure
- * Spur
- * Diversion channel

Sericulture:

Non-commercialization of the Sericulture activities, use of primitive/traditional technology, insufficient /weak infrastructure, lack of marketing facilities, insufficient disease free laying (dfls) and high cost, small land holding, political interference, inadequate R&D support, extension services, training facilities, low financial inputs, exploitation by middle men, less interest of new generation to work-culture and dignity of labour, absence of work action calendar, etc. are the major hindrance in the development of Sericulture in the State. However, there is ample scope for cultivation and production of silk where additional employment generation can be done.

Land resources:

The State has immense potential for cultivation of number of essential and aromatic plants on commercial scale. Essential/aromatic oils obtained from distillation of leaves, flowers, fruits and roots of a wide array of plants are used as raw material for perfumes, cosmetics, flavouring agents and medicines. The demand for natural aroma chemicals is increasing rapidly the world over and their production base is limited to a few countries, thus unable to meet the requirements. Therefore, there is an urgent need to explore and preserve the biological diversity of the indigenous plants and to inject professionalism into the economic and market aspects of cultivating these indigenous plants in the State under the program.

Cooperation:

In Nagaland, agriculture still holds the key to raise the balance of economy and increase the security of livelihood. The diverse challenges for the rural poor continue to grow, however. these include potential conflicts over increasing food and water insecurity, and the largely unpredictable long-term effects of climate change. In attempting to deal with these issues, the importance of organized structure and training cannot be underestimated. The skills to improve productivity, increase adaptability to deal with changes and crisis, and facilitate the diversification of livelihoods to manage risks are at a premium in rural areas. In many cases, these skills are an issue of survival. Providing these skills effectively is one of the key challenges of this Project, but it has not always been well met, usually because the contextual factors that prevent small farmers from organizing themselves and accessing and applying training have not been addressed.

The program intends to bridge this lacuna by mobilizing farmers into Commodity Interest Group (CIG), provide them with in-field training & basic facilities and provide assistance for production and marketing.

**SECTOR-WISE SUMMARY STATEMENT OF FINANCIAL REQUIREMENT FOR STATE AGRICULTURE PLAN
UNDER NADP/RKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-13 to 2016-17) ACTIVITIES PROPOSAL
FOR THE STATE OF NAGALAND.**

TABLE - 1.

Sl. No.	Sector	2012-13	2013-14	2014-15	2015-16	2016-17	Total
1	AGRICULTURE	2630.45	7267.39	7377.18	7738.95	7770.16	32784.13
2	HORTICULTURE	1765.10	2984.80	3151.86	3295.69	3624.45	14821.90
3	SOIL & WATER CONSERVATION	1339.11	1713.49	1570.74	1515.17	1527.91	7666.42
4	VETERINARY & ANIMAL HUSBANDRY	625.67	978.34	1049.92	1076.20	1002.53	4732.66
5	FISHERY	537.85	1417.39	1739.41	1127.59	1475.71	6297.95
6	SERICULTURE	133.52	628.16	668.13	686.86	669.83	2786.50
7	LAND RESOURCES DEVELOPMENT	476.00	1156.80	1320.50	1182.15	1164.70	5300.15
8	IRRIGATION & FLOOD CONTROL	1815.55	2365.33	2534.12	2859.05	3070.43	12644.48
9	COOPERATION	13.00	357.76	2503.06	2454.56	2215.30	7543.68
Total:		9336.25	18869.46	21914.92	21936.22	22521.02	94577.87

**SECTOR-WISE SUMMARY STATEMENT OF FINANCIAL REQUIREMENT FOR STATE AGRICULTURE PLAN
UNDER NADP/RKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-13 to 2016-17)
IN PERCENTAGE %.**

TABLE - 2.

Sl. No.	Sector	2012-13	2013-14	2014-15	2015-16	2016-17	Total
1	AGRICULTURE	28.17	38.51	33.67	35.28	34.50	34.02
2	HORTICULTURE	18.90	15.82	14.38	15.02	16.10	16.04
3	SOIL & WATER CONSERVATION	14.35	9.08	7.17	6.91	6.78	8.86
4	VETERINARY & ANIMAL HUSBANDRY	6.70	5.19	4.79	4.90	4.46	5.21
5	FISHERY	5.77	7.51	7.93	5.14	6.55	6.58
6	SERICULTURE	1.43	3.32	3.05	3.13	2.97	2.78
7	LAND RESOURCES DEVELOPMENT	5.10	6.13	6.03	5.40	5.17	5.57
8	IRRIGATION & FLOOD CONTROL	19.45	12.54	11.56	13.03	13.63	14.04
9	COOPERATION	0.13	1.90	11.42	11.19	9.84	6.90
Total:		100.00	100.00	100.00	100.00	100.00	100.00

CHAPTER - I

BACKGROUND INFORMATION OF NAGALAND

Background:

Nagaland was inaugurated as the sixteenth State of the Indian Union on the 1st December 1963. It is located in North-east India and lies between 25° 60' to 27° 40' North latitude and 93° 20' to 95° 15' East longitude. The State is spread over a geographical area of 16,579 sq.km and is bounded by Myanmar & Arunachal Pradesh in the East, Assam in the North and West and Manipur in the South. According to 2011 Census, the State is inhabited by 19.78 lakh population.

Land mass of the State mostly represent the remnants of archaen plateau of Indian Perimeter Sheild. It is one of the oldest landmass of Gondwana origin. Except for a narrow belt of foothills bordering Assam and the small valleys in between lower ranges of the Western and Northwestern flank, the entire state is hilly. Altitude of the State ranges from 104 to 3048 mt. from MSL

The State falls within Agro-Climatic Zone – II. Based upon agro-climatic characteristics the State has been sub-divided into four major sub-zones namely:-

1. Sub-temperature High Hill Zone
2. Sub-Montane Mid Hill Zone
3. Sub-tropical Foot Hill Zone

Description of agro-climatic sub-zones along with their characteristics features and area located may be found in CHAPTER - IX

Nagaland is having a predominantly agrarian economy as more than 70% of the population are involved in Agriculture. Industrial growth in the State is not only poor but also showing erratic growth trend. Close-ended economic programme centered on Agriculture is therefore most powerful tool for economic development in the State. The State experiences diverse agro climatic condition and is rich in land resource. There exists immense scope for agri-horticulture production at commercial scale. Commercial Horticulture definitely calls for appropriate post harvest management and marketing infrastructure.

Nagaland State Profile at a Glance

Total Geographical Area	:	16,579 Sq. km.
Number of Villages	:	1317
Population (as per 2011)	:	19,78,502
Male	:	10,24,649
Female	:	9,53,853
Male/Female Ratio	:	1:0.93
Density of Population	:	119 Per Sq.km
Literacy %	:	79.55 %
Male	:	82.75%
Female	:	76.11%
Climatic	:	Sub- Temperate, Sub- Montane, Sub-Tropical
Temperature	:	4° C - 40° C
Soil PH	:	4.5 - 6 PH
Rainfall	:	1500 - 2000 mm.
Altitude	:	104 - 3048 MT (ASL)
Major Rivers	:	Dhansiri, Dikhu, Chathe, Zubza, Doyang, Baghty, Tsurung, Zungki.

Land Use Pattern

1. Net Cropped Area	:	3,25,250 Ha.
2. Gross Cropped Area	:	4,22,000 Ha.
3. Irrigated Area	:	97,250 Ha.
4. Rain-fed Area	:	2,28,000 Ha.
5. Forest Area	:	8,62,930 Ha.
6. Other Areas	:	95,358 Ha.

Potential Crops And Livestock Farming In The District

1. Cereal Crops	:	Paddy, Maize, Wheat
2. Pulses & Beans	:	Pea, Arhar, Lentil, Black Gram, Bean, Rajma
3. Oilseeds	:	Soyabean, sesamum, Mustard, Linseed, Sunflower, Groundnut.
4. Vegetable	:	Cabbage, Cauliflower, Raddish, Carrot, potato, Mustard, Coriander, Tomato, Brinjal, Bottle Gourd.
5. Plantation Crop	:	Tea, Rubber, sugarcane, Areca nut,
6. Horticulture Crop	:	Banana, Pineapple, Guava, Passion Fruit, Plum, Litchi, mango, Coconut, Mandarin Orange, Mosambi, Floriculture.
7. Medicinal & Aromatic Plants	:	Patchouli, Lemon-grass, Citronella, Vanilla.
8. Other Potential & farming Enterprises	:	Fishery, Diary, Piggery, Poultry, Rabbitry, Eri, Muga, Mulberry Culture etc.

Assessment For The Existing Socio-economic Status And Swot Analysis

The assessment of the existing status of Nagaland has become extremely necessary in view of the fact that the State have failed to evoke the desired progress in Agricultural sector in spite of abundant natural and human resources. The rate of growth has been much lower than expected. The analysis becomes even more relevant in context to the changing global economic scenario where Nagaland cannot continue to exist in isolation. Investment must be made; yet, it is not expected that these investment will continue to be made without any tangible returns. An analysis has been made for the key attributes determining the economy of the states. Planning for development must adopt a holistic approach considering all aspects and with a future perspective. As SWOT analysis (an analysis of strength, weakness, opportunities and threats) provides the gross understanding of the state.

- * The decadal growth rate of the population in Nagaland is the highest among all the state of India. This may be due to influx of foreign nationals as well as from other States. Dimapur District has the highest population density with more than 409 per Sq.km. followed by Kohima and Mon Districts with over 140 per Sq.km. The concentration of population in these districts is more for the reasons of-easy accessibility to the plains of Assam, higher level of trading activities and higher employment opportunities than in the other districts.
- * The infrastructure facilities such as education, drinking water, health services, road network, and communication linkage and power connectivity are inadequate in the State.
- * There is total absence of any industrial activities in the State other than in Dimapur.

Swot Analysis of the State of Nagaland

Strengths:

- * The indigenous traditional knowledge of the various ethnic groups helps to improve productivity significantly.
- * The Literacy rate of the State is relatively high and female participation in economic activities is good.
- * The state is rich in land resources. There exists immense scope for Agricultural Production at commercial scale specially for growing high value temperate fruits, medicinal plants etc.
- * There exists immense scope for quality production in the upland farming system.
- * The state by default is Organic.
- * Local community is skilled in handloom and weaving in addition to various other art forms
- * The state has vast reserve of minerals such as crude oil, natural gas, limestone as well as water for hydro power potential.

Weakness:

- * Farming system in Nagaland is traditional with low yield.
- * Being a hilly state, transport and communication in general is difficult and inaccessible in most parts of the state during rainy season.
- * The infrastructure facilities such as health care, drinking water, sanitation and hygienic wayside amenities are grossly inadequate.
- * The agro-processing sector of the state is weak and lacks the potential to generate any employment and economic growth.
- * The state economy has been affected by insurgent activities, which has been the major retarding factor in the process of growth and development of the state.
- * The land holding pattern requires a mechanism to be devised to initiate public private partnership.
- * Many projects are delayed in implementation, causing development lags.

Opportunities:

- * The state with its panoramic view of the mighty Himalayas, picturesque landscape as well as the distinct cultural heritage steeped in tribal traditions, dance, music, and myth is fast emerging as a much sought after tourist destination.
- * The state is rich in handicrafts and handloom products. Some of the items, which appeal to ones aesthetic tastes, are colorful sarongs and shawls, simple unostentatious jewelry statutes, hand woven baskets and mats.
- * Setting up of Agro food processing units based on local raw materials can provide an added advantage to reduce imports and enhance income.
- * The new Electricity Act 2003 provides opportunities for growth of service industries in distribution and revenue collection, isolated generation, rural electrification etc. provided the state government takes the initiative for a power policy incorporation provisions for subsidies in generation, non-conventional energy generation, Bio-fuel plantation etc.

Threats:

- * The continuous fear of unstable peace process poses a major threat in the development and industrialization of the state.
- * There is rapid depletion of forest due to non-scientific felling of bamboo and other forest resources.
- * The unprecedented increase of immigrant population influx into Nagaland is likely to pose a serious socio-economic problem in the future.

CHAPTER - II

VISION 2025

Agriculture, being the priority sector of development, participatory development in agricultural arena is to be adopted to uplift the productivity of agricultural and horticultural crops. To overcome the detrimental effects of Jhum cultivation on the environment, although it is an integral part of the cultural identity of the people of Nagaland, effective measures to improve the technology of jhum cultivation and to popularise settled cultivation is invariably to be undertaken. Our vision expresses the aspirations, determination and commitment for self realization. We begin our visioning exercise by cataloguing the untapped potentials and underutilized resources that are available and then turn our attention to the present problems and emerging opportunities which constitutes the raw materials from which we must fashioned a better future for the people of the state.

Realization of this vision will depend on many things, but most importantly on our self confidence, self reliance and determination to make it a reality. It is envision marching on the path of economic, social and cultural progress by attaining agricultural prosperity and well being. Agriculture which has been a way of life for the livelihood security since the past continues to play an important role even in the present context. With more than 70% of the population involve in agri and allied activities, it is anticipated that for at least for some years to come it will still continue to be the back bone for answering livelihood security of the people of the state.

This vision envisages the goals toward sustainable agriculture for which the implementing government agencies and the stake holders must together put a concerted effort to achieve the desire goals.

The state is rich in resources including natural resources such as land, water, minerals and forest. Mineral wealth can be used to create opportunities to increase employment and income. The priority sector must be agriculture because of the state's high dependence on agriculture and allied activities. Tribal population in the hills practice shifting (jhum) cultivation for generations but due to population growth, the shifting cycle has considerably reduced with damage to environment.

Although some people believe that this traditional system should continue as it is the way of life and interwoven with culture and custom of the tribal people and also will continue till a livelihood option is given. It is however, necessary gradually to demonstrate the benefits of moving to settled cultivation. The progression from jhum to settled cultivation, the people should be motivated through the introduction of improvement over the existing shifting cultivation gradually to win over to permanent farming system particularly in horticulture crops, organic farming, agro forestry and small holder plantations through proper extension services, could increase income levels in their own setting in a sustainable manner. Such innovative ideas can wean away from shifting cultivation.

Objectives of the vision 2025

- * By increasing the production and productivity in a sustainable way.
- * Employment generation by establishing agro-based food product and animal feed product industries in order to increase the per capita income of the farmers and thus Nagaland to achieve the food security as a whole.
- * Attract educated youth toward agricultural activities by utilizing the potential for earning through value addition both for domestic and export market.
- * Protect the existing forest for overcoming the evil effect of Global Warming by means of awareness programme and cultivation of quick growing species of trees to meet the requirement of fuel and fodder.

To meet the need of food for the growing population of the state, the following steps will be taken up:

A. Infrastructure Development:

- * Establishment of Rural market back linked with marketing chains.
- * Construction of Warehouses and Cold Storage facilities
- * Development of Seed farms and nurseries.
- * Development of Soil testing laboratories.
- * Development of Quality control laboratories.
- * Establishment of nurseries for mass production (tissue culture) of horticultural crops, especially medicinal & aromatic plants
- * Construction of Green houses and poly houses.
- * Establishment of farm implements/tools production units.
- * Establishment of Fruits and vegetable processing units.
- * Establishment of feed production unit for livestock and fisheries.
- * Construction of model organic farms including organic certifications
- * Construction of organic fertiliser and pesticide production units.
- * Construction of hatcheries for poultry
- * Establishment of hatcheries for fish fingerlings.
- * Establishment of pre-processing and packaging units for cut flower and fruits.

B. Technology generation and dissemination:

- * Strengthening of research on improved seed and livestock. (State Agricultural University and research centre will be entrusted with the task)
- * Revitalizing the extension machinery through capacity building for dissemination of the modern production technology. New extension policy of Public Private Partnership (PPP) will be involved to disseminate the modern technology to the farmers' field.

- * Organic production of crop and animal husbandry products for export.
- * Making available the farm credit to the farmers for commercialization.
- * Crop insurance to provide support in case of any loss due to adversity.
- * Watershed development and emphasis on rain fed agriculture for meeting the food security, particularly in the area under Jhum cultivation.

In order to usher green revolution in a sustainable manner, following points are of great importance:-

1. Increase in cropping intensity by introduction of short duration high yielding varieties replacing the existing long duration local varieties followed by cultivation of other crops like oil seed, pulses, wheat, vegetables, etc. Proper nutrient management practices along with crop protection measures to be undertaken to increase production and productivity of crops.
2. Natural advantages such as topography, climatic conditions are to be best utilized by cultivating wide range of horticultural crops like fruits, spices, medicinal and aromatic plants. Exotic crop like straw berry having very high demand in local, national as well as international markets can bring in much needed cash.

In order to generate employment opportunities in agriculture and allied sectors and to increase purchasing power of the farming community, the following measures are proposed:-

1. Promotion of horticultural crops such as fruits and vegetables, through CIGs or SHGs.
2. Promotion of commercial farming of cattle, poultry, dairy etc. to increase the employment generation and farm income, through individual or group of entrepreneur and co-operatives.
3. Commercial fish farming in low lying areas and existing available water bodies through CIGs or SHGs and co-operatives.

In order to protect the existing forest cover, the following measure is proposed:-

- * To release the pressure on the existing forest, horti-silvicultural plantation should be encouraged in waste land and other marginal lands.

Forward Integrations:

1. Linked to market i.e. Agriculture Hub, linkage to production units, to MNCs and agro marketing companies.
2. Selected products for export oriented units
3. Value of products to the farmers

The Mission of Nagaland Agriculture:

To converge all activities of agriculture and allied departments to achieve food security by the end of 2025.

The Vision: Nagaland Agriculture, 2025

To attain the status of a state that is surplus in food production by the end of the year 2025.

TABLE - 3.

Item	Population (as per 2011 census and Projected population)			
	2011	2015	2020	2025
Projected population	1980602	2186214	2473500	2798539
Cereals (MT)	361460	398984	451414	510733
Pulses (MT)	28917	31919	36113	40859
Oil (Kilolits)	21688	23939	27085	30644
Vegetables	144584	159594	180566	204293
Fruits (MT)	72292	79797	90283	102147
Meat (MT)	83136	91766	103825	117469
Milk (Kilolits)	36146	39898	45141	51073
Egg (Lakh in No.)	2060	2274	2572	2910

TABLE - 4.
RICE SCENARIO

YEAR	POPULATION	PROD TARGET (000 MT)	REQUIREMENT (in 000 MT)	STATUS (000MT)	OUT COME
2011 - 12	2030047	382.38	569.97	187.59 D	11 th Plan achieved Growth Rate
2012 - 13	2080725	405.18	584.2	179.02 D	12 th Plan Target 6.50% Agril. Growth Rate
2013 - 14	2132669	429.34	598.78	169.44 D	Projected
2014 - 15	2185910	454.95	613.74	158.79 D	Projection
2015 - 16	2240479	482.08	629.06	146.98 D	Projection
2016 - 17	2296411	510.82	644.77	133.95 D	Projection
2017 - 18	2353740	541.29	660.86	119.57 D	Starting of 13 th Pan Projection
2018 - 19	2412499	573.56	677.35	103.79 D	Projection
2019 - 20	2472726	607.77	694.26	86.49 D	Projection
2020 - 21	2534456	644.01	711.6	67.59 D	Projection
2021 - 22	2597727	682.41	729.36	46.95 D	Projection
2022 - 23	2662577	723.11	745.57	22.46 D	Starting of 14 th Plan Projection
2023 - 24	2729046	766.23	766.23	0	Projection
2024 - 25	2797175	811.92	785.35	26.57 S	Projection

VISION 2025 OF THE STATE. (FOOD FOR ALL)

TABLE - 5.
FOOD GRAIN SCENARIO

YEAR	POPULATION	PROD TARGET (000 MT)	REQUIREMENT (In 000 MT)	STATUS (000MT)	OUT COME
2011 - 12	2030047	570.44	400.12	33.58 S	11 th Plan Achieved 6.14 % Agril Growth Rate
2012 - 13	2080725	598.96	410.11	43.26 S	Projection
2013 - 14	2132669	625.34	420.35	52.91 S	Projected
2014 - 15	2185910	652.82	430.84	63.21 S	Projection
2015 - 16	2240479	681.49	441.6	74.15 S	Projection
2016 - 17	2296411	711.43	452.62	85.79 S	Projection
					12 th Plan Target 6.50% Agril. Growth Rate
2017 - 18	2353740	742.68	463.92	98.14 S	Starting of 13 th Plan Projection
2018 - 19	2412499	775.31	475.5	111.25 S	Projection
2019 - 20	2472726	809.36	487.37	125.15 S	Projection
2020 - 21	2534456	844.92	499.54	139.89 S	Projection
2021 - 22	2597727	882.03	512.01	155.51 S	Projection
2022 - 23	2662577	920.78	524.79	172.05 S	Starting of 14 th Plan Projection
2023 - 24	2729046	961.23	537.89	189.56 S	Projection
2024 - 25	2797175	1003.46	551.32	208.09 S	Projection Food For All

CHAPTER - III

STATE AGRICULTURE PLAN UNDER NADP/RKVKY

Introduction:-

The NADP/RKVKY Scheme aims at achieving 4% annual GDP growth which would be feasible during the 12th Five Year Plan period in Agriculture and in all the Allied Sectors by ensuring holistic development approach. More than 50% of the work force of the Country still depends on Agriculture for their livelihood. Slow growth in Agriculture and Allied Sectors leads to acute stress in the economy since a large Sector of population are still dependent on Agriculture.

The National Development Council (NDC) in its meeting held on 29th May 2007 resolved that a Special Additional Central Assistance Scheme (RKVKY) Rashtriya Krishi Vikas Yojana be launched. The NDC resolved that Agricultural Development Strategies must be re-oriented to meet the needs of the farmers and called upon the Central and State Governments to evolve a strategy to rejuvenate Agriculture. Under this scheme the States should draw up plans for Agriculture Sector more comprehensively taking Agro-climatic conditions, natural resource, issues and technology into account and integrating livestock, poultry and fisheries and this scheme will be known as NADP/RKVKY.

The respective States are to draw up the plans under NADP/RKVKY and execute the Schemes in the Agriculture & Allied Sectors to maximize the returns of the farmers. NADP/RKVKY is a 100% Centrally Assisted Scheme.

Keeping in view the objective of the RKVKY in the Agricultural sector during the 12th Plan period, a Comprehensive State Agriculture Plan for Agri & Allied Sectors has been drawn up by involving all Agriculture & Allied Departments in the State. The requirement of fund for the State Agriculture under NADPIRKVKY programme during 12th five year plan (2012-13 to 2016-17) has been presented in the TABLE - 6.

**REQUIREMENT FOR STATE AGRICULTURE PLAN UNDER NADP/RKVV PROGRAMME
DURING 12TH FIVE YEAR PLAN (2012-13 to 2016-17) ACTIVITIES AND PROPOSAL
FOR THE STATE OF NAGALAND**

TABLE - 6.

SL. NO	SECTOR	(Rs. In lakh)					
		2012-13	2013-14	2014-15	2015-16	2016-17	TOTAL
1	AGRICULTURE	2630.45	7267.39	7377.18	7738.95	7770.16	32784.13
2	HORTICULTURE	1765.10	2984.80	3151.86	3295.69	3624.45	14821.90
3	SOIL & WATER CONSERVATION	1339.11	1713.49	1570.74	1515.17	1527.91	7666.42
4	VETERINARY & ANIMAL HUSBANDRY	625.67	978.34	1049.92	1076.20	1002.53	4732.66
5	FISHERY	537.85	1417.39	1739.41	1127.59	1475.71	6297.95
6	SERICULTURE	133.52	628.16	668.13	686.86	669.83	2786.50
7	LAND RESOURCES DEVELOPMENT	476.00	1156.80	1320.50	1182.15	1164.70	5300.15
8	IRRIGATION & FLOOD CONTROL	1815.55	2365.33	2534.12	2859.05	3070.43	12644.48
9	COOPERATION	13.00	357.76	2503.06	2454.56	2215.30	7543.68
	TOTAL	9336.25	18869.46	21914.92	21936.22	22521.02	94577.87
	IN PERCENTAGE %	9.88	19.95	23.17	23.19	23.81	100.00

RATIONALE FOR ADDITIONAL INVESTMENT IN AGRI & ALLIED SECTOR THROUGH RKVV (RASHTRIYA KRISHI VIKAS YOJANA)

The Agriculture sector in the state of Nagaland has been witnessing a steady growth inspite of the nationally declining trend owing to certain steps adopted by the State to sustain the growth over the years. There has been a multi-thronged effort to see that the rising tempo of growth is not halted or stagnated. The efforts undertaken are being made to sustain the uptrend to achieve the end result.

- * The year 2000-01 was declared a “Year of Rice & Maize” and sufficient package of incentives was offered through various programmes by the state government.
- * Subsequently, during 2001-02, a lot of other incentives in the form of inputs were offered to the farmers to sustain the continuity in growth rate.
- * Again the year 2006-07 was declared the “Year of Farmer” and sufficient inputs were distributed and this tradition was continued even in 2007-08 to ensure that the state agricultural growth rate is maintained at 11 % and does not start following the declining National trend.

It is now not possible for the state to continue with this practice of distribution of inputs to maintain the increasing trend in growth. Therefore, to maintain this trend additional schemes and programmes are being initiated to be funded under RKVV.

Understanding these issues and also realizing the importance of agriculture and allied sectors from the 11 th plan onwards and even beyond, the department has made a major shift in its policy of subsistence level to a commercially oriented production programme involving the whole farming community in all the commercially potential areas of the state.

The department shall exploit its potential to the fullest and the food grain requirement shall be met through planned strategies. Such as strengthening of rural infrastructure for supporting faster agricultural development by way of value addition in agricultural products, setting up of Agro-centers and rural markets, micro-credit facilities, human resource development and empowerment of farmers and also by promoting organic farming. To achieve all these objectives, fund flow from the state plan alone is not sufficient and therefore this requirement of additional funding under RKVY is being mooted.

The year wise and sectoral wise total State Plan & RKVY financial target has been presented in TABLE - 7.

It has been observed from the table that the RKVY fund requirement for 12th Five Year Plan is likely to be more than the state plan requirement. This is due to adoption of some of the innovative as well as developmental schemes which till date remained untapped / undeveloped in many pockets of the State due to paucity of adequate funds. It may be mentioned that the state plan fund requirement mostly was committed for the maintenance of overhead expenses. This left very little fund available for investment in developmental projects. Moreover, to give thrust to development, lot of infrastructure creation had to be envisaged which necessitated involvement of higher fund. As a result of this the fund requirement in RKVY became higher than the State Plans.

YEAR-WISE AND SECTORAL WISE TOTAL STATE PLAN & RKVY FINANCIAL TARGET

TABLE - 7.

SL. NO	SECTOR	2012-13	2013-14	2014-15	2015-16	2016-17	TOTAL
1	AGRICULTURE						
	i) Total State Plan Projection	11094.37	9535.09	9589			
	ii) RKVY Projection	2630.45	7267.39	7377.18	7738.95	7770.16	32784.13
2	HORTICULTURE						
	i) Total State Plan Projection		486	900	900		
	ii) RKVY Projection	1765.1	2984.8	3151.86	3295.69	3624.45	14821.9
3	SOIL & WATER CONSERVATION						
	i) Total State Plan Projection	1201.55	824.77	750			
	ii) RKVY Projection	1339.11	1713.49	1570.74	1515.17	1527.91	7666.42
4	VETERINARY						
	i) Total State Plan Projection	4199.2	1333.2	1300			
	ii) RKVY Projection	625.67	978.34	1049.92	1076.2	1002.53	4732.66
5	FISHERY						
	i) Total State Plan Projection	1054.91	1203.04	700			
	ii) RKVY Projection	537.85	1417.39	1739.41	1127.59	1475.71	6297.95
6	SERICULTURE						
	i) Total State Plan Projection	485.5	424.24	350			
	ii) RKVY Projection	133.52	628.16	668.13	686.86	669.83	2786.5
7	LAND RESOURCE DEPARTMENT						
	i) Total State Plan Projection	1103.95	2258.75	442			
	ii) RKVY Projection	476	1156.8	1320.5	1182.15	1164.7	5300.15
8	IRRIGATION & FC						
	i) Total State Plan Projection	14400					
	ii) RKVY Projection	1815.55	2365.33	2534.12	2859.05	3070.43	12644.48
9	COOPERATION						
	i) Total State Plan Projection	1118.74	750	650			
	ii) RKVY Projection	13	357.76	2503.06	2454.56	2215.3	7543.68
	Total State Plan	20744.22	17229.09	14681			
	Total RKVY	9336.25	18869.46	21914.92	21936.22	22521.02	94577.87
	GROSS FUND REQUIREMENT	30080.47	36098.55	36595.92	21936.22	22521.02	94577.87

CHAPTER- IV

BRIEF PROJECT PROPOSAL PROFILE OF AGRI & ALLIED SECTORS

Agriculture Department

INTRODUCTION:- Agriculture remains the main occupation of the people of Nagaland. It is a way of life deeply interwoven with culture and traditions of our people. It is also the backbone of our State's economy and contributes substantially to the States annual GDP. Hence, for any planned Socio-economic development of our State, Agriculture must be the key factor for all the developmental activities. For ensuring food security and economic stability, rapid growth of Agriculture sector in terms of both production and productivity, is utmost essential. Although over the years, our State has made an impressive food grain production with an increase in area under cultivation and also per hectare productivity, much more needs to be planned and achieved on these aspects. The agro-climatic condition favoured cultivation of wide range of crops, Nagaland state has the potential to contribute greatly to the country's economy with judicious planning and receipt of fund.

Therefore, keeping in view of the GOI guideline the following activities and components are being proposed for Agriculture Sector during the 12th Five Year Plan (2012-2017) for Nagaland State.

1. **Integrated Development of major food crops:-** Low yielding traditional varieties of most of the crops are still being cultivated in substantial areas of the state and as such the productivity level is much below expected. Hence, in order to replace the low yielding traditional local varieties of crops, procurement of Certified HYV seeds is being proposed to be procured for distribution to the needy farmers free of cost so as to increase production as well as productivity of crops.
2. **Cash Crop development:** In addition to food crop production, the aim of this programme is to increase farmer's income by taking up some cash crop as a renumerative crop. The following crops like potato, tea, cardamom, turmeric, Naga king chilly, ginger etc. are successfully grown in the state and there is no other programme to promote these crops. Hence, it is proposed to take up renumerative cash crop development under new initiative.
3. **Market Infrastructure Development:-** In order to promote market development and to facilitate market facilities in rural areas, rural go downs and marketing sheds are proposed to be established during the plan period. It is also proposed to take up small primary agro processing unit as an alternative arrangement of value added programme by procuring small equipments such as fruits juice extracting unit, potato chips making, chilly and ginger drying and soya processing unit
4. **Promotion of Organic Farming:-** In Nagaland, crops are produced without use of chemicals and fertilizers thus they are Organic by default. However, to enhance the

organic crop production in scientific farming methods and increased availability of inputs, the State Agriculture Department is going ahead with the promotion of Organic farming in batches and production of Green manures, Vermi-compost, Bio-fertilizers etc is highly indispensable. Under **Green manure production programme**, is proposed to be covered during the plan period. This will reduce application of nitrogenous fertilizers to a great extent.

5. **Development of Rainfed farming system for Jhum cultivation:-** Assistance for development of land as well as assistance for the development of cereals and horticultural crops is being proposed for upliftment of economic status for the rural people. It is proposed to distribute HYV seeds as well horticultural saplings to the needy farmers free of cost.
6. **Capacity Building:-** In order to sensitize and motivate the farmers about the latest Agriculture technology, farmer's exposure trip programmes have been proposed to be taken up during the plan period. Besides, training of farmers at the Block and District levels has been prioritized to acquaint and equip the farmers with the latest technical know-how on the cultivation of various crops. For the smooth and successful conduct of training, Training Halls and Farmers hostels are proposed to be established during the plan period which will go a long way in improvising the training infra-structures in the Districts which has been lacking.
7. **Farm Mechanization:-** Farm mechanization programme has been the prioritized sector under Agriculture Policy of the state. However, the programme has not achieved the optimum level due to financial constraints. Hence, the sector needs to be strengthened on war footing. Therefore, procurement of Farm Machineries, such as Power Tillers, Pump Sets, Maize Shellers, Threshers, Cane Crushers etc are being proposed to be considered in order to save manual labour and to increase the efficiency of work for more production. Also small Agricultural tools and implements such as Spade, Hoe, Shovel, Sickle, rake etc will be supplied to the farmers free of cost.
8. **Power Tiller Path:-** The farming system is TRC/WTRC and settled jhum farming with terraces which are the main fields for food grain production specially Rice. The TRC/WTRC or settled farming are developed mostly against the slope of 30* to 60* slopes that varies from place to place. Agril. Link roads developed connecting village to potential area or connecting main road to a particular place in the potential area, where as there is no paths for movement of agricultural machinery like Power Tillers to move from one field to another field. This hinders farmers to go for mechanization inspite of having its potentiality. Therefore, it is the necessity of farmers to construct Power Tiller paths connecting all terraces with a minimum span of 4' to 6' which will enable farmers to move power tillers freely from one field to another as well as lifting of produce from field to village.
9. **Integrated Pest Management (IPM):-** Adoption of IPM method of control of pest and diseases becomes all the more significant as the State is going ahead with the organic farming programme so as to reduce the use of Chemicals if not totally avoided. Conducting IPM trainings and demonstrations, establishment of farmers field schools

- (FFS) and provision of IPM kits, etc are also earmarked during the plan for the benefit of the farmers.
10. **Mobilization of Farmers:-** For successful implementation of the programme, organization of various farmer groups is necessary. Hence it is proposed to organize and form Self Help Groups comprising both men and women SHG's. The Department is proposing to provide financial assistance for revolving fund and seed money. Also, it has been proposed to award cash incentives to the best Self Help Group annually as a means to encourage the SHGs.
11. **Value Addition:-** Drying and curing of spices crop such as ginger, turmeric, cardamom, chilly etc is essential for its preservation so as to get better market price. Therefore, it is proposed to procure dehydrator machines.
12. **Land and Water Management:-** With an objective to develop new area for cultivation, land shaping has been proposed which will increase the production of crops. With the launching of double cropping in the State, it has also necessitated to solve the irrigation problem. For this purpose, tube wells and other surface water management activities such as water harvesting tanks, check dams etc have become necessary. Due to erratic monsoon prevailing in the state, this program has become a necessity for sustenance of the populace.
13. **Establishment of Seed Village:-** Potential Villages shall be earmarked for establishment of Seed Village whereby the farmers themselves will produce quality seeds for their cultivation. The Department shall facilitate identification and implementation of Seed Village in the District during the plan period. This will reduce procurement and supply of seeds from external source.
14. **Strengthening of Agricultural Establishments:-** The Agricultural Training Institute of the State namely IETC, Research Station (SARS) and Departmental Laboratories located in different districts of the state needs to be upgraded in many ways which has not been done due to financial constraints. Hence, it is proposed that these institutions be strengthened during the plan period.
15. **Innovative Activity:-** Provision for advisory platform and services to farmers by experts shall be taken up on cropping practices, technology dissemination, crop protection from pests and diseases, clinical services for animal health etc. It is also envisaged to provide input supply, farm equipments and other services through Agri Clinic and Agri Business Centre. This will also generate self employment for many unemployed graduates. Procurement of Animal power may also prove beneficial for some small farmers. As the state is promoting organic program where use of fertilizers and chemical pesticides are being discourage, it is proposed to identify, document and promote local species of plants and trees which acts as natural pesticides and insecticides.

In the light of the above stated objectives a perspective plan had been prepared involving financial targets as given in TABLE - 8

Name of the Department : AGRICULTURE

TABLE - 8. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADP/RKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIKE	Rs.in lakhs
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	105.00	1132.50	430.00	47.70	416.60	315.00	150.00	31.00	281.24	1079.70	221.00	4209.74
2	INTEGRATED CEREAL DEVELOPMENT PROGRAMME (ICDP)	0.00	0.00	0.00	56.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.80
3	CAPACITY BUILDING	101.25	328.50	26.10	218.00	49.13	50.00	30.00	38.00	55.00	402.50	152.00	1450.48
4	PULSES DEVELOPMENT PROGRAMME	0.00	12.90	13.22	64.80	122.92	30.00	10.00	30.00	145.50	11.18	180.00	620.52
5	OILSEED DEVELOPMENT PROGRAMME	15.00	109.00	3.44	44.10	444.00	60.00	25.00	30.00	100.00	102.46	133.50	1066.50
6	CASH CROP DEVELOPMENT	305.00	289.50	428.55	145.50	38.00	37.50	75.00	300.00	165.50	283.54	98.00	2166.09
7	SEED PRODUCTION PROGRAMME	70.00	60.00	248.00	0.00	0.00	0.00	0.00	2.40	0.00	80.00	110.50	570.90
8	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	196.00	798.00	948.90	273.40	0.00	361.00	291.50	152.00	180.00	898.00	52.50	4151.30
9	FARM MECHANIZATION	250.00	472.00	121.00	158.31	250.50	91.50	82.00	93.00	131.25	242.00	154.70	2046.26
10	PROMOTION OF ORGANIC FARMING	12.50	85.00	141.95	94.40	84.00	152.50	162.00	150.00	0.00	85.00	42.00	1009.35
11	BALANCE & INTEGRATED USE OF FERTILIZER & INM	90.00	80.00	33.20	56.00	0.00	35.00	13.75	2.00	22.00	80.00	0.00	411.95
12	PROMOTION OF IPM & PLANT PROTECTION (IPM)	20.60	51.00	183.00	101.70	0.00	12.50	3.20	5.60	15.00	40.00	0.00	432.60
13	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM	520.00	0.00	15.00	300.00	0.00	0.00	110.00	304.00	0.00	80.00	0.00	1329.00
14	SOIL HEALTH MANAGEMENT	0.00	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.30
15	SUGARCANE DEVELOPMENT	24.00	0.00	160.50	901.50	0.00	62.50	0.00	0.00	19.00	0.00	0.00	1167.50
16	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	130.00	0.00	1505.00	26.74	474.00	996.50	473.00	100.00	247.50	0.00	152.50	4105.24
17	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE	150.00	0.00	11.40	1182.00	0.00	17.40	23.60	4.00	132.50	20.00	0.00	1540.90
18	FARM WATER MANAGEMENT & LAND SHAPING	355.00	920.00	537.00	0.00	200.00	300.00	530.00	357.50	216.00	830.00	75.00	4320.50
19	STRENGTHENING OF INSTITUTE & RESEARCH CENTRE	68.00	210.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	308.00
20	ADMINISTRATIVE COST	174.00	0.00	0.00	12.80	26.00	0.00	12.00	7.50	0.00	0.00	0.00	232.30
21	TEA PROGRAMME	0.00	0.00	421.00	0.00	61.60	0.00	0.00	64.00	0.00	120.00	666.60	
22	INNOVATIVE ACTIVITY	68.00	16.00	64.00	0.00	0.00	60.00	0.00	0.00	16.00	23.90	247.90	
23	FARM DEVELOPMENT	0.00	0.00	634.87	0.00	32.53	0.00	0.00	0.00	0.00	0.00	0.00	667.40
TOTAL		2654.35	4564.40	5911.13	3365.45	2542.88	2607.40	1869.05	1417.50	2085.99	4170.38	1595.60	32784.13

HORTICULTURE DEPARTMENT

Introduction:-

The Agro-climatic condition of Nagaland state favours the massive cultivation of horticultural crops such as fruit, vegetables, flowers, aromatic and medicinal plants. There has been seen a positive increase in the area under horticultural crops in recent years. Yet more efforts need to be put forward for achieving nutritional and food security besides economic well-being of the people. The Department of Horticulture is focusing on the need not only to be self-sufficient in fruit production but also aims at commercial production as marketing is not a problem both for fresh fruits and finished products.

Taking up orchard development has many advantages over other enterprises such as:-

- * Fruit crops produce higher biomass than the field crops unit area resulting in efficient use of natural resources such as water and soil nutrients.
- * Fruits are in high demand and fetch more income.
- * Comparatively less fertile and also wastelands can be brought under horticultural crops with proper management.
- * Fruit crops require less water and hence less irrigation is necessary.
- * Orchard management generates more employment opportunity.
- * Horticultural crops are eco-friendly.
- * Horticultural crops offer more scope for value addition especially as finished products such as squash, juices, jams, jellies, pickles, dried fruits etc.
- * Horticultural crops also contribute higher in GDP growth.

Although horticultural crops require less amount of water during the dry spell of winter, irrigation must be provided. Hence sprinkler irrigation and provision of community tanks are being proposed. Most of the horticultural plants are cross-pollinated plants, hence in order to induce pollination Bee keeping is also advocated. To meet the organic manuring vermin-compost units are also proposed to be taken up. Apart from these, post harvest management practices are to be promoted. In order to sensitize and equip the farmers with the latest technology farmers training are also proposed to be taken up during the plan period.

The financial targets during the plan are being worked out in view of the local need of the farmers and the state as a whole.

TABLE - 9. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADP/RKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)

Name of the Department : HORTICULTURE

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIRE	TOTAL	Rs.in lakhs
1	STRENGTHENING OF EXISTING PROJECTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NEW AREA DEVELOPMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	MUSHROOM DEVELOPMENT	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	19.00	19.00
4	POST HARVEST MANAGEMENT	20.00	8.00	2.00	80.00	360.00	103.75	381.00	0.00	0.00	8.00	0.00	962.75	962.75
5	PROMOTION OF MICRO IRRIGATION	139.00	14.00	29.20	0.00	353.90	0.00	0.00	130.00	0.00	7.04	0.00	673.14	673.14
6	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	348.50	780.00	0.00	0.00	668.47	112.50	2120.70	183.00	435.90	354.00	5003.07	5003.07	5003.07
7	OPEN FIELD VEGETABLE CULTIVATION	0.00	8.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	48.00
8	FLORICULTURE	0.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00
9	FARM HANDLING UNITS	0.00	24.00	0.00	200.00	0.00	50.00	250.00	560.00	0.00	26.40	200.00	1310.40	1310.40
10	BEE KEEPING	0.00	6.00	0.00	10.00	0.00	0.00	12.50	10.35	0.00	12.00	10.00	60.85	60.85
11	TOOLS, IMPLEMENTS & TRELLIS	3.00	40.00	0.00	110.00	0.00	0.00	37.50	147.00	0.00	160.00	35.00	532.50	532.50
12	FARMERS TRAINING/ EXPOSURE TOURS	7.50	0.00	0.00	0.00	90.00	62.50	0.00	0.00	0.00	16.00	0.00	176.00	176.00
13	SETTING UP OF VEGETABLE VILLAGE	0.00	0.00	72.00	0.00	60.00	40.00	90.00	0.00	0.00	0.00	0.00	0.00	262.00
14	COMMUNITY TANKS	20.00	80.00	0.00	400.00	0.00	60.00	50.00	1120.00	0.00	192.00	400.00	2322.00	2322.00
15	VERMI-COMPOST UNIT	25.00	28.00	0.00	120.00	0.00	10.00	150.00	350.00	0.00	13.44	140.00	836.44	836.44
16	SECURITY FENCING	0.00	0.00	0.00	0.00	0.00	52.50	75.00	471.00	0.00	0.00	0.00	598.50	598.50
17	HORTLINK ROADS	0.00	0.00	0.00	0.00	0.00	800.00	30.00	0.00	0.00	0.00	0.00	0.00	830.00
18	PLANTING MATERIALS	0.00	0.00	236.00	0.00	0.00	399.00	0.00	0.00	0.00	0.00	0.00	635.00	635.00
19	TERRACE DEVELOPMENT	0.00	0.00	24.50	0.00	0.00	16.25	0.00	0.00	0.00	0.00	0.00	40.75	40.75
20	PACKAGING MATERIALS	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00
21	CAPACITY BUILDING	49.00	0.00	100.00	0.00	0.00	0.00	67.50	0.00	36.00	0.00	0.00	252.50	252.50
22	IPM/ INM	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	10.00	10.00
23	TRANSPORTATION/ HANDLING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	GREEN NET HOUSE	0.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.00	0.00	204.00	204.00
25	PRODUCTION OF LARGE CARDAMOM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL	214.50	673.50	861.20	1279.50	433.90	2150.97	1339.00	5457.55	183.00	1082.78	1146.00	14821.90	

SOIL & WATER CONSERVATION DEPARTMENT

Introduction :- Agriculture in Nagaland is rainfed and although the State receives abundant rainfall, most of the water is lost due to surface runoff and along with it a substantial amount of soil nutrient is also washed away. In this situation soil and water conservation becomes all the more vital for a holistic Development of Agriculture. Therefore, the focus under NADP during the 12th Plan will be conservation of these natural resources.

Objectives:

- * To harness available water resources by constructing Water Harvesting Pond for multiple crop production.
- * To check the movement of surface runoff water
- * to control the top soil erosion,
- * to recharge the perennial spring through percolation,
- * to control floods and stream bank erosion.
- * To generate self employment of the rural farmers.
- * To protect the permanent and cultivable areas from erosion and land slips.
- * To minimize the siltation of the river beds in the plain sectors.
- * To increase the production of the agriculture crops.
- * To provide soil testing result.

Water harvesting pond will be constructed in a naturally occurring depression landform on the upper side of the developed terraces to impound adequate water. On this concave landform, earthen embankment will be constructed with a provision for common outlet and inlet too. To minimize the siltation and to check collection of debris in the pond, two units of check dams are to be constructed above the structure to control the velocity of runoff water, control the movement of debris and also act as natural filter. Boulder sausage wall will also be constructed on the lower side of the earthen embankment to protect the pond from damages. Water harvesting pond will serve as reservoir pond for cultivation of Rabi crops and vegetables during winter season. The supply of water to the standing crop from pond will be ensured through irrigation channel. Drainage will be constructed on either sides of the pond to drain off the excess runoff and to check siltation. The common area of one Water harvesting pond will be 5 (five) hectares of cultivated land. Though Nagaland receives sufficient rainfall during monsoon season, the winter remains always dry and it is affecting the cultivation of the winter crops. Hence, construction of WHP is very essential to enable the farmers to cultivate the winter crops for increase production of the agriculture crops.

The state of Nagaland falls under high intensity rainfall zone with undulating terrain. Loss of heavy topsoil due to erosion during monsoon season is very severe which is mainly caused by unbridled force of runoff water. In order to tame the onslaught of runoff, series of check dams needs to be constructed on the slopes particularly on upper side of the cultivated land. These

check dams will serve to check the velocity of runoff rain water, control migration of debris, control gully formation and act as filter for water storage structure both natural and artificial.

The permanent cultivated fields are either located on the bank of the rivers or in the plain sectors. Due to ferocity of monsoonal onslaught, severe riverbank erosion takes place on the upper and middle reaches. It is not only causing damages to the cultivated fertile land but also deposits silts, rubbles and debris on the cultivated tracks in the lower plain sectors.

Cultivated areas in the valley particularly in the middle reach, bears the brunt of high velocity flow of river water during monsoon season and are subjected to incessant pounding and scouring. Hence, large area of the fertile cultivated and cultivable land is damaged yearly. To dissipate the velocity of the strong current flow within limited speed and to control the course, spurs are to be constructed along the riverbank at 30°. Such structures will be constructed with boulders strengthened by tying with sausage wire nettings.

The increase production of agriculture crops depends on proper management of soil health and adequate nutrient content in the soil.

With advent of time and fast growing population, the increase of production of agriculture commodities has become the topmost priority. In spite of tremendous effort to achieve the targeted production every year, the trend appears to be on the wane.

The diagnosis of nutrient deficiency in the farmers' fields is very important for application of adequate manures and fertilizers to get higher production. However, due to non-availability of the soil testing facility in the District, the farmers are cultivating without actually knowing the presence of soil fertility status in their fields. It is one of the factors contributing towards the low yield.

The use of chemical fertilizer in the field is not only affecting the soil health but also affects the human health. Hence, to discourage the use of inorganic fertilizers, the Department is encouraging the farmers to use organic fertilizer for organic farming. The use of vermi-compost not only helps to increase the production of agriculture crops but also use in flower cultivation is highly profitable.

Realizing the affect of chemical fertilizer residues in the agriculture products on human health, the demand for organic products is becoming more popular day to day all over the world. The organic products are being sold at high rate, which can enhance per capita income of the rural farm.

The detail financial targets for the proposed RKVY during the 12th Plan are given in the TABLE - 10.

TABLE - 10. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADPIRKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)
Name of the Department: - SOIL AND WATER CONSERVATION

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIRE	TOTAL
1	WATER HARVESTING POND	285.00	261.00	152.00	0.00	507.60	432.00	135.00	243.00	491.40	232.20	135.00	2874.20
2	CHECK DAM	0.00	103.00	31.35	0.00	172.80	120.00	0.00	105.00	287.50	103.00	0.00	922.65
3	GABION EMBANKMENT	0.00	50.60	34.65	0.00	163.25	77.05	0.00	0.00	174.80	41.40	0.00	541.75
4	CONSTRUCTION OF SPURS	3.00	33.32	17.50	0.00	77.60	20.06	0.00	0.00	114.75	31.45	0.00	297.68
5	SOIL TESTING LABORATORY	0.00	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.10	0.00	60.20
6	VERMI COMPOST	0.00	89.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	0.00	250.00
7	CONTOUR TREATMENT	0.00	112.00	5.20	0.00	0.00	0.00	0.00	120.00	0.00	182.40	0.00	419.60
8	BASIC ACTIVITIES	65.00	0.00	0.00	0.00	0.00	5.60	10.00	262.50	50.19	0.00	10.00	403.29
9	GRADED CONTOUR TRENCHING	0.00	0.00	6.20	0.00	0.00	187.50	0.00	0.00	0.00	0.00	187.50	381.20
10	INFRASTRUCTURE DEVELOPMENT	0.00	0.00	0.00	0.00	0.00	40.00	100.00	0.00	0.00	0.00	40.00	180.00
11	CAPACITY BUILDING	0.00	0.00	0.00	0.00	0.00	40.00	52.00	0.00	0.00	0.00	32.50	124.50
12	LANDSLIDE CONTROL	643.60	0.00	0.00	0.00	0.00	67.50	0.00	0.00	0.00	0.00	67.50	778.60
13	BENCH TERRACE	249.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	399.00
14	SBEC	0.00	0.00	33.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.75
	TOTAL	1245.60	679.02	280.65	0.00	921.25	654.71	480.00	1113.50	1118.64	700.55	472.50	7666.42

VETERINARY & ANIMAL HUSBANDRY DEPARTMENT**Introduction:**

Livestock and poultry farming has been an integral part of the people since time immemorial and are symbolic to the health and wealth of a Naga family. Animal Husbandry practices have been playing a pivotal role in supplementing family income and generating employment to the rural poor apart from efficient utilization of agriculture products & byproducts not suitable for human consumption. This inherent aptitude of the people needs to be exploited to provide valuable animal protein essential for maintaining physical health of the people as well as to provide draft power for cultivation especially in the foot - hill areas of the State. Increasing unemployment in the State among the educated youths of the State has been a subject of great concern. In the absence of any organized industry in the State, Animal Husbandry & Dairying alone can absorb a large fraction of such vast number of unemployed in the State.

1. **Dairy Cattle:** - Dairying is a new culture for the tribal people and the indigenous local "Thotho" is a very low milk producer, however, through the Department continuous effort in disseminating superior germplasm of high yielding breeds of cattle by artificial insemination, unproductive non-descript cows of low yielding has been replaced providing more remuneration to the farmers. Beside, "Cattle Induction Programme" is also being accorded priority, where high milking cows are being inducted to the farmers for strengthening their farms.
2. **Piggery:** - Rearing of pig and consumption of pork among the tribal people is very common and is a part of the tradition. Piggery production in the State has taken a new leaf by the introduction of exotic / crossbreed pigs by the Department. The productive and reproductive traits of these animals have convinced the Piggery farmers to take up Piggery as a source of income generation. In fact, the omnivorous habit of pigs in converting kitchen waste into animal proteins and fats along with short gestation period has earned the nick name "Mortgage lifter" among the pig rearing people. Despite, its popularity among the tribal people non-availability of quality seed stock at an affordable price is a major obstacle in rearing crossbred pigs. Thus, to enhance pork production in the State, the Department is encouraging piggery backyard farming by providing quality piglets to the farmers.
3. **Goatery:** - Goat Husbandry is coming up in a faster pace in providing supplementary income to hundreds of rural marginal farmers. Considering the affinity of rural farmers towards small ruminants in recent years and also the vast resources like grazing area, fodder grass in the State, the Department proposes to encourage farmers by providing goatery unit.
4. **Rabbitry:** - In recent years, backyard rabbit farming has become very popular amongst the women folks and the children after the introduction of superior germplasm like Soviet Chinchilla, Grey Giant and New Zealand White by the Department. Rabbitry has certain advantages like easy management, less floor space requirement etc. The Department

- has one (1) Rabbit Farm at Jharnapani which is providing the much needed seed stock to the needy farmers of the State.
5. **Poultry:** - The Department is playing a major role in providing quality chick specially Low Input Technology (LIT) birds to the poultry farmers and entrepreneurs in the State and also in upgrading the local birds through crossing. The demand for white coloured / lean meat of Poultry has increased considerably during the last ten years. This is due to rapid Urbanization and increase in purchasing power of the urban populace. This has given rise to a new trend to the educated unemployed youths in the State in taking up Poultry Farming as profitable viable commercial project. This calls for massive production of quality chicks from the Departmental farms. Special emphasis is been given to the progressive farmers / Women-BPL groups and Entrepreneurs with a view to strive to attain self-sufficiency in the State.
6. **Duckery:** - In the foothills area of the State, Duck farming is very popular because of its sturdiness and disease resistance. Moreover, the preference of duck meat amongst the people is also high. Of late, the Department has started introducing Khaki Campbell in the State Duck Farms, the duckling that is being hatched out from the farms are being given to farmers for taking up backyard duckery farms, and it resulted in tremendous success in fetching handsome returns for which it has shown very fast growth.
7. **Fodder production:** -The State is blessed with very rich fodder grass, the luxuriant grass provide excellent opportunity for livestock & poultry farming, many indigenous fodder grass has been documented along with their nutrient contents. However, this advantage is not been able to tap properly due to lack of proper technical know-how and other logistic supports by the fanners. This area needs to be given a major thrust so that the farmers are benefited through livestock & poultry farming.
8. **Animal Health Care Services:-** Livestock farming and disease goes hand in hand, in fact, it is just the other side of the coin. Thus, Department through its Health Centres across the State is providing basic health care services and vaccination to the livestock and poultry saving precious animal from various economically important diseases worth crores of rupees every year.
9. **Capacity building:-** With the introduction of exotic and cross bred livestock & poultry in the State, providing training to the farmers in management of these animals has become necessary. In fact, transfer of technology from Lab-Land is possible only in training and extension services. The Department through its extension & training wing is providing training courses to the needy farmers of the State.
10. **Strengthening of Veterinary Institution:-** The Department is one of the oldest developmental Departments in the State. In the last 40 years since Statehood, the Department has created many infrastructure including offices at Districts, Sub-Divisions & Blocks, Veterinary Hospitals, Dispensaries, Outposts, QCP's most of these infrastructure, which is already been created in the last 40 years, has outlived its utility and needs constant repair. At present the Department has 11 Veterinary Hospitals, 64 VOP, 63 Stockman Centre 14 Disease Diagnostic Laboratory, 1 Disease Investigation Unit, one (1) Foot & Mouth Disease Laboratory and 16 functional QCP. All these

institution are been utilized for the Health care Services of livestock & poultry in the State.

11. **Strengthening of Farms Institution:** - The Department's livestock & poultry farms are serving nucleus farms in providing seed stock to the farmers in the State. The concept of livestock farming as a subsidiary income has been changed to full scale farming by the farmers through the introduction of quality seed stock from the Departmental Breeding Farms.

The Department possesses 10 Cattle Farms, 9 Piggery Farms, 10 Poultry Farms, 2 Duck Farms, 2 Goat Farms, 1 each of Rabbit, Turkey, Yak /Pony & Sheep farm. These farms provide logistic support to the farmers in the form of livestock, consultancy services, artificial insemination etc.

The perspective 4-year Plan for 12th Plan period is given in the TABLE - 11.

TABLE 11. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADP/RKVV PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)

Name of the Department: - VETERINARY & ANIMAL HUSBANDRY

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIKE	TOTAL
1	LIVE STOCK PRODUCTION AND MANAGEMENT	113.25	448.00	118.76	0.00	1007.49	105.30	52.18	329.70	216.04	324.00	154.00	2868.72
2	FODDER PRODUCTION	4.50	32.00	32.76	0.00	481.50	19.50	17.60	36.78	52.70	28.00	20.00	725.34
3	ANIMAL HEALTH CARE	0.00	48.00	0.00	0.00	26.75	5.00	4.51	34.72	22.50	40.00	25.00	206.48
4	CAPACITY BUILDING	9.36	82.00	24.00	0.00	37.45	25.00	20.28	7.50	38.30	76.00	25.00	344.89
5	STRENGTHENING OF HEALTH INSTITUTION	18.00	24.00	42.00	0.00	48.14	30.00	27.04	0.00	27.04	20.00	0.00	236.22
6	STRENGTHENING FARM INSTITUTE	18.00	34.00	89.10	0.00	52.21	40.60	36.60	0.00	36.50	24.00	0.00	331.01
7	VETERINARY FIELD TRAINING INSTITUTE	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00
	TOTAL	163.11	688.00	306.62	0.00	1653.54	225.40	158.21	408.70	393.08	512.00	224.00	4732.66

FISHERY DEPARTMENT

Introduction:

The State NADP on fisheries is being formulated based on the resource availability in the districts. State Fishery Department mainly focuses towards certain specific projects as well as strengthening the existing schemes by filling the resource gaps: which till date remained fallow / undeveloped in many pockets of the states due to paucity of adequate funds for development. These areas, if adequately brought forth under developmental fold will maximize the production of fish: thereby providing income, employment opportunities and subsistence to food securities to the rural communities of the districts and the state in general.

1. **Development of Paddy-cum-Fish Culture:** Rearing of fish in the terrace fields is yet to be popularized in the state by the small and marginal farmers who hold the resources. Perfection to this culture system would tremendously contribute to enhancing more fish production in the state. Rising of embankment to a considerable height and thickness through semi permanent/ permanent structure is being envisaged.
Strategy: The state is endowed with terrace cultivation. These areas are earmarked during 11th Plan period under land reforms towards paddy-cum-fish cultures. Development of a plot preferably 100 RM x 2/3 times/ ha will be ideal with 5-6 nos/ha helter pond is ideal. This practice will be easily accessible which fetches benefits through paddy yield and fish production within the limited time and space, also provides income and employment generation to the rural communities while adopting these bio-based technologies.
2. **Assistance for improvement of breed:** The state lacks adequate facilities for propagation of healthy/ good quality breed/ variety/ strain of fish species. Over the years consignment that brought from outside maybe subject to poorer in quality, health or contagious to various diseases. Therefore establishment of fish seed rearing and production farm Centre is earmarked.
Strategy: By construction/ renovation of a maximum of 10 nos. of fish pond per centre that could occupy minimum of 0.50 ha water in a compact area and could garner rearing and breeding of compatible major carp species-especially common carps that could be propagated in all aquatic conditions in the district. These centres/ ponds will serve as demonstration centres for technical dissemination centre for farmers of the districts which will immensely benefit the farming community.
3. **Development of Stream Fisheries:** There are large number of perennial streams/rivers and rivulets that belong to villages/communities having diversified flora and fauna conserved in the rich ecosystem of the state. It is therefore, propose to conserved this by introducing compatible species such as major carps as replenishment program. Also check dams/barrages may be provided which will indirectly serve as fish sanctuaries.

4. **Lake renovation:** The state is in possession of a few small and medium sized man-made lakes that are noteworthy and is earmarked for development. The lakes were left long abandoned and derelict, as such tactful development of the lakes by means of renovation/ reclamation by removal of overgrown vegetation debris, bottom muck, providing RCC protection walls, basic amenities such as: watchman shed-cum-godown, fish rearing, encouraging eco-tourism facilities would directly benefit the rural communities.
- Strategy:** The lakes if harnessed scientifically will allow rearing of fish which will enhance fish production in the state as well as providing manifold recreational avenues to the general public towards eco-tourism-recreation, angling, water sport etc. Hence, they will fetch considerable income and generate employment opportunities for the villagers.
5. **Swampy/ Marshy area reclamation:** A good number of swampy/ marshy areas are located in the state, which have remained undeveloped due to paucity of funds of the government as well as the villagers as they are marginalized in status to attempt such pilot projects. With the advent of the RKVY, these potential areas could be brought under development fold of which the benefit will primarily go to the small marginal farmers.
- Strategy:** During the period only a few selected swampy areas will be exploited.
6. **Distribution of seeds to intensify fish production:** The state possesses varied water bodies which adapts to pond culture, untapped water bodies. Whereas, all these area demand for compatible major carp seeds. An all out effort for propagating cultural practices through maximal utilization of available water bodies through multiple stocking of seedlings followed by regular thinning of the stock by adopting the semi-intensive cultural practice, regular feeding of the stock, timely maintenance of ponds/ tanks to be accounted for augmenting more fish yield.
- Strategy:** Within the typical terrain/ pockets of potential lowlands: the state is assessed to have developed water areas that belonged to farmers (part time fish farmers by trade as there is no fisherman community by trade and profession). By providing adequate fish seeds to the small and marginal farmers will directly assist in enhancing fish production for their sustenance. Other package-practices are to be accompanied during the cultural period.
7. **Capacity building:** Success of any ambitious scheme could only be made possible unless the farming community/ the producers are exposed to awareness on various types of activities and tuned with the latest technical know-how of the system.
- Strategy:** The farming community often shy away from the mainstream of development, its technological adaptation on account of varied reasons. These lacuna can be filled in by conducting training, exposure to outside environment so as to tune with the changes. Visits to nearby or far flung areas, within or outside the district/ state where fish farming activities are being successfully implemented on towards pond culture, integrated farming and other co-related activities will be conducted. All these exercises human resources development is aimed for more production of fish.

8. **Prawn culture/rearing:** The giant freshwater prawn is a commercially valued delicious food that commands very good demand in both domestic and export market. Due to its fast growth rate it is becoming an important inland cultured species that could grow comfortably with major carps. The foot hill offers avenues for culture of prawn which could be culture alone (monoculture) or with other fishes (polyculture).
9. **Magur culture/rearing:** Magur (*Catlocarpoides batrachus*) is consumers preference and of outmost importance owing to its taste, medicinal and high market value, popularly called the air breathing fishes and could well adapt in adverse ecological conditions. They normally inhabit in swampy, marshy, derelict water bodies and could withstand obnoxious gases, vegetable debris and poor nutrient release from the aquatic system. The apex institution on inland fisheries- CIFA, Orissa had standardized the rearing, breeding and propagation of this precious species.

Strategy: A water flow through hatchery preferably indoor type fitted with an overhead tank, common pipe to all the incubation tubs- far small scale breeding or circular tank, for mass scale breeding (induced breeding) cemented tank for rearing of the larvae indoors. Cemented tanks, earthen ponds, stone pitch ponds are suitable for grow out culture rearing/stocking ponds. Stocking density @ 60000 to 70000 Nos fingerlings/ha is advisable. On account of its congenial Agro-climatic conditions with resources availability in the district, such breeding and culture centre is proposed

The detail financial implications for 12th Plan is presented in the TABLE - 12.

TABLE 12. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADP /RKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)
Name of the Department: FISHERY

State Agriculture Plan 2012-17

GOVERNMENT OF NAGALAND

DEPARTMENT OF AGRICULTURE

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIRE	TOTAL	Rs. In lakhs
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	57.12	875.00	0.00	51.70	457.60	42.29	41.99	40.62	51.62	875.00	46.17	2539.11	
2	ASSISTANCE FOR IMPROVEMENT OF BREED	0.00	12.90	0.00	0.00	12.90	0.00	0.00	0.00	10.00	12.90	0.00	0.00	48.70
3	DEVELOPMENT OF STREAM FISHERIES	0.00	14.30	43.37	50.00	51.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	159.47
4	MAGUR CULTURE/REARING	6.00	0.00	12.00	0.00	12.00	0.00	12.00	12.00	12.00	12.00	0.00	12.00	78.00
5	PRAWN CULTURE/REARING	12.00	0.00	6.00	6.00	0.00	11.00	9.00	6.00	10.00	14.30	6.00	6.00	80.30
6	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	0.00	426.40	0.00	0.00	0.00	2.30	2.27	2.30	2.30	0.00	0.00	2.25	437.82
7	DEVELOPMENT & MANAGEMENT OF FISHERIES	100.00	0.00	100.00	0.00	0.00	100.00	100.00	100.00	100.00	100.00	0.00	100.00	800.00
8	CAPACITY BUILDING	8.50	111.00	12.80	3.50	43.06	3.50	3.50	3.50	3.50	3.50	3.50	111.00	3.50
9	PROMOTION OF FARM EQUIPMENT	11.52	0.00	23.00	11.52	0.00	11.52	8.96	11.52	11.52	0.00	0.00	8.96	98.52
10	FISHERIES DEVELOPMENT MARKETING/POST	10.00	0.00	7.00	10.00	0.00	2.00	5.00	10.00	10.00	0.00	0.00	5.00	59.00
11	DEVELOPMENT OF ORNAMENTAL FISHERIES	14.00	0.00	0.00	0.00	0.00	1.00	0.00	7.00	14.00	0.00	0.00	0.00	36.00
12	SWAMPY/MARSHY	0.00	112.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.80	0.00	0.00	229.60
13	STRENGTHENING OF DEMONSTRATION FARMS	0.00	0.00	0.00	0.00	0.00	100.00	0.00	50.00	0.00	0.00	0.00	0.00	150.00
14	COLD WATER FISHERIES	0.00	0.00	65.00	0.00	0.00	0.00	15.00	15.00	0.00	0.00	0.00	0.00	95.00
15	ECONOMIC TOURISM FISHERIES	0.00	1.00	20.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	31.00
16	LAKE RENOVATION	0.00	93.55	200.00	0.00	65.56	0.00	0.00	0.00	0.00	93.56	0.00	0.00	452.67
17	DISTRIBUTION OF FISH SEEDS	2.30	0.00	2.30	2.30	262.10	0.00	0.00	0.00	0.00	426.40	0.00	0.00	695.40
	TOTAL	221.44	1645.95	395.47	332.02	893.02	285.61	182.72	257.94	249.94	1649.96	183.88	6297.95	

SERICULTURE DEPARTMENT

Introduction:

Sericulture is an agro based activity, is not merely eco-friendly but also helps in upliftment of economical condition of small and marginal farmers through rearing of Silkworm and selling of cocoon and other finished products. The first part termed as pre-cocoon is agro based in nature, where in silkworm food plants are cultivated and their leaves are fed to the silkworms to get cocoons. The second part, which is called Post-cocoon, is industrial in nature. Here the cocoons are converted to silk yarns and then to silk fabrics in silk factories.

The entire state is unique in large Bio-diversity of Flora and Fauna. The climatic and soil condition prevailing in some parts of the state is suitable for commercial exploitation of all four varieties of Silkworm Viz-Mulberry, Eri, Muga and Tasar, and among these four varieties, Eri culture have gained popularity.

In the initial stage, Sericulture was taken by people as subsidiary occupation particularly by rural masses only to consume the pupae, and was unaware of the utilization of cocoons. But now, having learned the use of cocoon either to convert to yarn or simply sell them at very good price in the market. Many people have taken up Sericulture as primary occupation, because of the twin benefit (Pupae & Cocoon) and are earning much from just an acre of land within a month. But the real benefit has not reached the larger mass, because of fund constraint and inadequate technical staffs in the department.

Objectives of the project:

The project is being proposed with the following broad based objective in the state:

1. To generate gainful employment to the rural masses through Sericulture and its activities.
2. To utilize the uncultivated non agriculture land in the district for gainful earning.
3. To involve the rural women and men folks in the Sericulture activities and improve their economic status.
4. To exploit and utilize natural resource available in the districts.
5. To bring about improvement of skills at various levels.
6. To bring technology up gradation.
7. To bring about self sufficiency in Silkworm seeds.

Strategies & Thrust area:

1. Augmentation of Eri food plant and rearing of Silkworms annually.
2. Augmentation of Muga food plant and rearing of Muga Silkworms.
3. Strengthening of Eri grainage.
4. Strengthening of Muga grainage.
5. Establishment of Kasseru nursery.
6. Establishment of Som seedlings.
7. Training and awareness programmes/
8. Participation in Expos & Exhibitions.
9. Conduct of study tour.

The detail financial implications of the Scheme for Sericulture department are given in the TABLE - 13.

TABLE - 13: PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADPIRKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)

Name of the Department: SERICULTURE

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIRE	TOTAL
1	AUGMENTATION OF ERI HOST PLANT AND REARING OF ERI SILKWORM	163.75	180.00	520.00	0.00	25.00	90.00	262.00	62.00	0.00	94.50	90.00	1487.25
2	AUGMENTATION OF MUGA FOOD PLANT AND REARING OF MUGA SILKWORM	0.00	82.00	0.00	0.00	41.00	0.00	0.00	72.00	57.40	0.00	252.40	
3	ESTABLISHMENT OF ERI GRAINAGE	24.00	7.54	10.00	0.00	8.00	15.00	9.00	0.00	0.00	7.54	15.08	96.16
4	ESTABLISHMENT OF MUGA GRAINAGE/STORAGE	0.00	6.88	0.00	0.00	15.00	0.00	0.00	26.63	6.88	0.00	55.39	
5	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)	2.55	6.00	6.00	0.00	3.00	7.50	16.00	2.55	0.00	14.40	3.00	61.00
6	DEVELOPMENT OF MUGA HOST PLANT NURSERY (SOM)	0.00	6.00	0.00	0.00	0.00	7.50	0.00	0.00	3.24	6.00	0.00	22.74
7	SILK PEST MANAGEMENT	0.00	4.00	0.00	0.00	0.00	5.00	12.00	0.00	0.00	4.00	2.00	27.00
8	FARMERS TOUR/ FIELD TRIPS	10.00	14.40	7.20	0.00	0.00	9.00	24.00	0.00	0.00	12.60	8.00	85.20
9	MARKET DEVELOPMENT / INFRASTRUCTURE	10.00	0.00	0.00	6.00	0.00	0.00	209.60	36.80	0.00	0.00	0.00	262.40
10	ADOPTED SEED REARERS	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
11	CAPACITY BUILDING/EXHIBITION	5.00	4.00	0.00	15.00	0.00	0.00	12.35	0.40	4.00	0.00	0.00	44.75
12	TOOLS/ IMPLEMENTATION/ REARING APPLIANCE	0.00	0.00	0.00	70.00	0.00	0.00	0.00	51.70	0.00	0.00	0.00	121.70
13	FARM MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	219.11	0.00	0.00	0.00	219.11
14	MUGA REELING MACHINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	30.00
15	SOLAR OPERATING SPINNING MACHINE	0.00	0.00	0.00	0.00	0.00	0.00	5.40	0.00	0.00	0.00	0.00	5.40
	TOTAL:	231.30	310.82	547.20	0.00	127.00	190.00	323.00	291.90	439.88	207.32	118.08	2786.50

LAND RESOURCES DEVELOPMENT DEPARTMENT**Introduction:**

Medicinal and Aromatic plants comprise a large number of plant species which provide raw materials for pharmaceuticals, phyto-chemical, perfumery, food flavours, cosmeceuticals & cosmetic industries. Most of these plant species are regarded as low volume but high valued crops. Medicinal plants provide healthcare to 80 % of the world's population (WHO) and 25 % of raw materials for modern drugs come from these plants.

The North East region including Nagaland is located strategically with varied agro-climatic conditions and topography and the area is bestowed with rich herbal wealth, and is considered as botanical hotspot of the country. Out of the 6000 medicinal plant species found in the country, the region is considered to have about 3000 species of which only about 560 species have so far been documented.

Medicinal plants form the basis of traditional or indigenous system of healthcare used by a large portion of the population of most developing countries. The annual demand for medicinal plants as raw materials in India is estimated at 24 million tonnes, which is estimated to be increasing at the rate of 20 % per annum (Planning Commission, 2000). In the recent years, traditional uses of plants in the field of medicinal science and aromatics chemicals is receiving global attention in search for healing for incurable diseases in-spite of the discovery of many synthetic compounds and drugs.

Hence, Nagaland with its varied agro-climatic conditions has the advantage to cultivate almost all varieties of medicinal and aromatic plants in its various topographic zones to meet the need of the health sector and satisfy to our preferences and of the users in many parts of the world.

Scope & Prospects:

1. Occurrence of wide range of climatic conditions ranging from sub-tropical to sub-temperate and varied altitudinal ranges thus playing an important factor in bio-diversification of plants.
2. Majority of the farmers of the state are small and marginal cultivators possessing fragmented land holding with an average size of 2-3 Ha. only and they raise multiple crops in small quantities for local consumptions. For instance, in the jhum field, about 50-100 crops are cultivated in a season, however, most of the crops are not for commercial purpose but for home consumption and very negligible quantity is sold in the market to the local consumers. Therefore, this situation can be turned into an enterprise if the farmers are given the opportunity to cultivate medicinal and aromatic plants along

with their jhum crops. The introduction of such plants will be economically beneficial besides the value addition to their produce.

3. Out of the state total geographical area of 16.57 lakh hectares the total area categorized as wasteland is (50.69 %) and out of which 80 % is under jhum land which is home to many flora. In the present traditional system of "Slash and burn" the introduction of high value, low volume plants after clearing the field will be an excellent alternative contrary to destruction of forest cover aside from imbibing a sustainable agricultural system in terms of security and stability.

Nagaland state with natural soil fertility and suitable climatic conditions offers immense potential for cultivation of medicinal and aromatic plants. With increasing demand for essential and aromatic oil, cultivation of these plants will be a huge income generating avenue to the farmers.

As a part of Integrated Wasteland Development Project ((IWDP), the department has introduced cultivation of Lemon Grass, Patchauli and Agar in some selected villages during the last few years. At the initial process, the department has conducted training on: Package and Practices of Patchauli and Lemon grass cultivation". Apart from providing planting materials, the department has also provided timely technical intervention and assistance to the farmers. So far, the department has set up four distillery units.

It is an established fact that cultivation of medicinal and aromatic plants is nothing new to our Naga farmers and the produce is in its purest form which has the potential of earning a premium price both in the domestic and international market. Notable breakthrough can be made in the district if this sector is identified as a major thrust area.

The rich cover of trees and orchids provide ample scope for the development of apiculture in the district. Bee keeping was practiced by the Naga people from time immemorial. However, the method was traditional. The rearing of honey bees in line with sound scientific technology will enhance productivity of Honey. Apart from providing employment avenues, bees also help in crop productivity by means of pollination. By providing scientific bee keeping management practices and value addition by creating awareness and imparting training for skill and knowledge will go a long way in developing this nascent enterprise in our state.

The proposed financial breakup of the scheme is presented in the TABLE - 14.

TABLE - 14. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADP/RKVV PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)
Name of the Department: LAND RESOURCES DEVELOPMENT DEPARTMENT

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIRE	TOTAL
1	CONTOUR BUND	0.00	0.00	0.00	54.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00
2	BENCH TERRACING	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00
3	WATER HARVESTING STRUCTURE	0.00	0.00	0.00	80.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	90.00
4	EXPOSURE TOUR	0.00	20.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00
5	LAND REFORMS	0.00	0.00	0.00	117.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.00
6	FRUITS DEVELOPMENT	0.00	0.00	0.00	196.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	304.00
7	AFORESTATION/ AGROFORESTRY/ SANDAL WOOD	0.00	150.00	0.00	112.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	262.00
8	FARM MACHINERIES	0.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.40
9	WORK COMPONENTS FOR LEMON GRASS	0.00	150.00	0.00	0.00	25.00	0.00	330.00	0.00	0.00	164.00	0.00	669.00
10	WORK COMPONENTS FOR AGAR	20.00	0.00	0.00	0.00	0.00	45.00	360.00	46.25	0.00	180.00	0.00	651.25
11	WORK COMPONENTS FOR SUGARCANE	48.00	480.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	628.00
12	WORK COMPONENTS FOR CARDAMUM	0.00	0.00	0.00	0.00	0.00	36.00	60.00	9.00	312.00	190.00	0.00	607.00
13	RUBBER PLANTATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.80	493.60	168.00	0.00	694.40
14	PARKIA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00	0.00	200.00
15	NURSERY (RAISING)	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	25.00
16	SHG	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	5.00
17	CONSTRUCTION OF GODOWN/ STORE	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00	10.00	31.00
18	CONSTRUCTION OF APPROACH ROAD/FENCING	0.00	30.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00
19	CAPACITY BUILDING	0.00	0.00	0.00	12.00	50.00	0.00	33.60	0.00	37.50	8.00	0.00	141.10
20	TREE TOMATO	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
21	TREE BEANS	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
22	BIO-FERTILIZER (VERMI-COMPOST)	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
23	LAND SHAPING	0.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00	0.00	0.00	0.00	325.00
24	APICULTURE	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
	TOTAL:	100.00	844.40	0.00	613.00	81.00	883.60	88.05	883.10	1226.00	5300.15		

IRRIGATION & FLOOD CONTROL DEPARTMENT**Introduction:**

Nagaland is an agricultural State, where the most vital element in the plant life is water, which is normally supplied to the plants by natural rainfall. However, the total rainfall in a particular area may not be adequate to meet the requirement of plants' growth and production. Therefore, in order to get the maximum yield from a crop, it is essential to provide proper and correct timing of irrigation, which can be accomplished through a systematic system of irrigation, i.e., conservation of water from annual rainfall and then irrigate the crops as and when required. Thus, irrigation can be broadly defined as a process of artificial water supply to the soil for raising crops, so as to yield optimum harvest.

The main aim of the department is to bridge the gap between the Irrigation Potential created and utilized. The Department's role in the developmental progress of the state has been, to provide assured water for the staple crop by providing irrigation infrastructure viz. constructing diversion weir, channel, protection/retaining wall, cross drainage etc., in the identified command areas of progressive farmers. The logic therefore calls for awareness among the farming fraternity of the State to produce surplus crops for self sufficiency and commercial purpose.

Irrigation of fields by means of gravity flow, terraced fields can be irrigated through M. I. channels, which are connected to the water sources. Due to non-availability of well organized irrigation system and the mountainous terrain a vast area of land are under forest and jhum-lands, which if brought under irrigation or permanent cultivation, the food grain production in the State could be raised enormously.

Presently, the Irrigation and Flood Control Department proposed to undertakes various activities as mentioned below.

- * Surface Flow Irrigation, (Diversion weir)
- * Hydro – Meteorological Studies,
- * Command Area Development and Water Management (CADWM),
- * Flood Control / Anti – Erosion Schemes.

TABLE - 15. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADPI/RKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)
Name of the Department: IRRIGATION & FLOOD CONTROL DEPARTMENT

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIRE	TOTAL	Rs. In lakhs
1	MINOR IRRIGATION PROGRAMME	200.00	100.00	0.00	0.00	0.00	1312.50	688.75	0.00	0.00	0.00	0.00	0.00	2301.25
2	LIFT IRRIGATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6150.00	0.00	210.00	0.00	0.00	6360.00
3	FORMATION OF CHANNEL/ CUTTING/HEAD WORK/ CC LINING ETC.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	596.20
4	MAINTENANCE OF CONTINGENCIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
5	D/WEIR	0.00	1110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	462.03	0.00	0.00	1572.03
6	MINOR IRRIGATION PROGRAMME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	1800.00
	TOTAL	200.00	1210.00	0.00	0.00	0.00	1312.50	688.75	7950.00	0.00	672.03	611.20	12644.48	

COOPERATION

Introduction:

In the State of Nagaland, agriculture still holds the key to raise the balance of economy and increase the security of livelihood. The diverse challenges for the rural poor continue to grow, however. These include potential conflicts over increasing food and water insecurity, and the largely unpredictable long-term effects of climate change. In attempting to deal with these issues, the importance of organized structure and training cannot be underestimated. The skills to improve productivity, increase adaptability to deal with change and crisis, and facilitate the diversification of livelihoods to manage risks are at a premium in rural areas. In many cases, these skills are an issue of survival. Providing these skills effectively is one of the key challenges of this Project, but it has not always been well met, usually because the contextual factors that prevent small farmers from organizing themselves and accessing and applying training have not been addressed.

The Department of Cooperation under NADP/ RKVY intends to bridge this lacuna by mobilizing farmers into Commodity Interest Group (CIG) and provide them with in-field training and basic facilities.

Objects:

- * Development of Human Resources— provide an opportunity and broad structure for the development of human resources' technical and behavioural skills.
- * Optimum Utilization of Human Resources— help in optimizing the utilization of human resource that further helps the employee to achieve the group's goals as well as their individual goals.
- * Productivity & Profitability— help in increasing the productivity of the employees and improved profitability that helps the group further to achieve its long-term goal.
- * Team spirit— help in inculcating the sense of team work, team spirit, and inter-team collaborations.

To achieve these Objectives, basic activities are planned to be taken up simultaneously during the project period. These activities are:

1. Organization of Commodity Interest Group (CIG) in all the 11 (eleven) districts.
2. Skill Development & Enterprise Training at local level.
3. Skill Development & Enterprise Training at State level.
4. Seed Money to CIGs & Strengthening activities.
5. District level Exhibitions, Kisan Melas, Fruit & Vegetable shows.
6. Training of Officers involved in marketing.

TABLE - 16. PROPOSED FINANCIAL TARGET FOR NAGALAND STATE AGRICULTURE PLAN UNDER NADP/RKVY PROGRAMME DURING 12th FIVE YEAR PLAN (2012-17)
Name of the Department: COOPERATION DEPARTMENT

SL. NO	COMPONENT	KOHIMA	DIMAPUR	WOKHA	PHEK	ZUNHEBOTO	PEREN	LONGLENG	TUENSANG	MOKOKCHUNG	MON	KIPHIRE	TOTAL
1	CO-OPERATIVE CREDIT LINKAGE TO MARGINAL FARMERS	0.00	0.00	200.00	0.00	200.00	0.00	0.00	200.00	0.00	0.00	0.00	600.00
2	MULTIPURPOSE MINT COLD STORAGE	0.00	0.00	300.00	0.00	300.00	30.00	0.00	300.00	0.00	0.00	0.00	930.00
3	RURAL STORAGE GODOWN	200.00	0.00	100.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	400.00
4	SKILL UP-GRADATION	0.00	0.00	965.40	0.00	965.40	0.00	0.00	100.00	35.00	124.00	2189.80	
5	MOBILIZATION OF FARMERS	151.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	965.40	0.00	0.00	1116.40
6	PRODUCTION OF FOOD CROPS/HANDLOOM	56.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.00
7	OLERICULTURE	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	108.00
8	FLORICULTURE	10.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	15.00	0.00	45.00
9	DAIRY	40.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	45.00	0.00	160.00
10	MARKETING & SHED	0.00	0.00	0.00	0.00	0.00	0.00	12.00	40.00	0.00	0.00	0.00	52.00
11	FISHERY POND	0.00	0.00	0.00	0.00	0.00	0.00	10.00	80.00	0.00	0.00	0.00	90.00
12	PIGGERY	40.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	111.00
13	FARM HANDLING UNIT	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	64.00
14	TOOLS & IMPLEMENTS	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	0.00	64.00
15	CAPACITY BUILDING	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	30.00	106.00
16	INFRASTRUCTURE DEVELOPMENT/WAITING SHED	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	84.00	289.00	391.00
17	OFFICE CONTINGENCIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	12.00
18	ADMINISTRATIVE EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.48
19	CONSTRUCTION OF MARKETSHELD	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	10.00	19.00
21	PESCIULTURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	339.60	339.60
22	POULTRY	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	54.40	94.40
23	HORTICULTURE	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	211.00	50.00	418.00	
24	SEEDS	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	40.00	
25	CONSUMER	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	40.00	
	TOTAL	351.00	463.00	0.00	1565.40	0.00	79.00	375.00	1565.40	542.00	1037.48	7543.68	

CHAPTER- V

**Consolidated statement of financial requirement for State Agriculture Plan under NADP/RKVKY
Programme during 12th five year plan (2012-17) activities proposal for the Nagaland state.**

TABLE - 17.
A AGRICULTURE

Sl. No	District	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs Total
1	2	3	4	5	6	7	
1	KOHIMA	476.2	502.2	544.7	532.5	598.8	2654.4
2	DIMAPUR	-	1074.1	1124.5	1161.2	1204.6	4564.4
3	WOKHA	521.9	1489.2	1313.2	1361.6	1225.3	5911.1
4	PHEK	571.8	555.1	660.3	710.4	868.0	3365.5
5	ZUNHEBOTO	-	453.6	737.1	672.8	679.5	2542.9
6	PEREN	446.5	424.0	404.5	720.3	612.1	2607.4
7	LONGLENG	-	815.6	464.3	357.4	231.9	1869.1
8	TUENSANG	14.5	344.9	373.9	359.4	324.8	1417.5
9	MOKOKCHUNG	340.2	382.3	417.4	458.3	487.9	2086.0
10	MON	-	983.1	1017.9	1051.5	1118.0	4170.4
11	KIPHIRE	259.4	243.5	319.5	353.7	419.5	1595.6
Total		2630.45	7267.39	7377.18	7738.95	7770.16	32784.13

TABLE - 18.
B HORTICULTURE

Sl. No	District	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs Total
1	2	3	4	5	6	7	8
1	KOHIMA	42.9	42.9	42.9	42.9	42.9	214.5
2	DIMAPUR	-	169.5	168.0	168.0	168.0	673.5
3	WOKHA	-	228.4	228.0	212.4	192.4	861.2
4	PHEK	-	318.0	318.0	321.8	321.8	1279.5
5	ZUNHEBOTO	-	107.4	104.5	111.0	111.0	433.9
6	PEREN	327.3	332.3	382.8	437.2	671.5	2151.0
7	LONGLENG	264.8	265.8	269.5	269.5	269.5	1339.0
8	TUENSANG	875.8	995.5	1090.3	1185.1	1310.9	5457.6
9	MOKOKCHUNG	36.6	36.6	36.6	36.6	36.6	183.0
10	MON	-	270.7	270.7	270.7	270.7	1082.8
11	KIPHIRE	217.8	217.8	240.6	240.6	229.2	1146.0
Total		1765.1	2984.8	3151.9	3295.7	3624.5	14821.9

TABLE - 19.**C SOIL & WATER CONSERVATION**

Sl. No	District	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs
							Total
1	2	3	4	5	6	7	8
1	KOHIMA	248.60	248.60	248.60	247.60	252.20	1245.60
2	DIMAPUR		267.00	174.00	132.02	106.00	679.02
3	WOKHA		67.25	66.55	68.05	78.80	280.65
4	PHEK						0.00
5	ZUNHEBOTO	165.00	174.00	185.35	198.45	198.45	921.25
6	PEREN	141.61	127.94	125.79	134.35	125.02	654.71
7	LONGLENG	123.00	95.00	84.00	85.00	93.00	480.00
8	TUENSANG	299.30	197.30	197.30	197.30	222.30	1113.50
9	MOKOKCHUNG	239.10	232.50	221.95	210.10	214.99	1118.64
10	MON	-	208.90	182.20	157.30	152.15	700.55
11	KIPHIRE	122.50	95.00	85.00	85.00	85.00	472.50
Total		1339.11	1713.49	1570.74	1515.17	1527.91	7666.42

TABLE - 20.**D VETERINARY & ANIMAL HUSBANDRY**

Sl. No	District	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs
							Total
1	2	3	4	5	6	7	8
1	KOHIMA			54.37	54.37	54.37	163.11
2	DIMAPUR		172.00	172.00	172.00	172.00	688.00
3	WOKHA	62.07	71.80	81.52	91.23		306.62
4	PHEK						0.00
5	ZUNHEBOTO	313.66	323.77	328.87	340.28	346.96	1653.54
6	PEREN	45.06	45.06	45.06	45.06	45.16	225.40
7	LONGLENG	18.42	35.06	35.06	34.43	35.24	158.21
8	TUENSANG	70.34	77.41	79.80	85.59	95.56	408.70
9	MOKOKCHUNG	71.32	80.44	80.44	80.44	80.44	393.08
10	MON		128.00	128.00	128.00	128.00	512.00
11	KIPHIRE	44.80	44.80	44.80	44.80	44.80	224.00
Total		625.67	978.34	1049.92	1076.20	1002.53	4732.66

TABLE - 21.**E FISHERY**

Sl. No	District	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs
							Total
1	2	3	4	5	6	7	8
1	KOHIMA	33.75	31.88	34.24	38.87	82.70	221.44
2	DIMAPUR		470.68	545.16	348.73	281.38	1645.95
3	WOKHA	254.01	20.00	34.24	31.87	55.35	395.47
4	PHEK	46.08	78.25	34.25	18.12	155.32	332.02
5	ZUNHEBOTO		229.77	374.16	210.72	78.37	893.02
6	PEREN	34.93	20.00	34.24	38.87	157.57	285.61
7	LONGLENG	40.13	20.00	34.24	16.84	71.51	182.72
8	TUENSANG	43.26	20.00	34.24	18.12	142.32	257.94
9	MOKOKCHUNG	53.26	28.25	34.24	38.87	95.32	249.94
10	MON		471.68	546.16	349.74	282.38	1649.96
11	KIPHIRE	32.43	26.88	34.24	16.84	73.49	183.88
Total		537.85	1417.39	1739.41	1127.59	1475.71	6297.95

TABLE - 22.
F SERICULTURE

SI. No	District	2012-13	Rs. In lakhs				
			2013-14	2014-15	2015-16	2016-17	Total
1	2	3	4	5	6	7	8
1	KOHIMA	46.26	46.26	46.26	46.26	46.26	231.30
2	DIMAPUR		74.10	81.64	80.98	74.10	310.82
3	WOKHA		136.80	136.80	136.80	136.80	547.20
4	PHEK						0.00
5	ZUNHEBOTO		29.00	29.00	38.50	30.50	127.00
6	PEREN	32.00	32.00	32.00	47.00	47.00	190.00
7	LONGLENG		78.50	87.50	78.50	78.50	323.00
8	TUENSANG	55.26	55.26	59.66	59.66	62.06	291.90
9	MOKOKCHUNG		103.67	112.31	119.10	104.80	439.88
10	MON		46.07	48.92	47.52	64.81	207.32
11	KIPHIRE		26.50	34.04	32.54	25.00	118.08
Total		133.52	628.16	668.13	686.86	669.83	2786.50

TABLE - 23.
G LAND RESOURCES DEVELOPMENT DEPARTMENT

SI. No	District	2012-13	Rs. In lakhs				
			2013-14	2014-15	2015-16	2016-17	Total
1	2	3	4	5	6	7	8
1.00	KOHIMA	16.00	16.00	20.00	24.00	24.00	100.00
2.00	DIMAPUR		264.60	264.60	157.60	157.60	844.40
3.00	WOKHA						0.00
4.00	PHEK						0.00
5.00	ZUNHEBOTO		162.30	145.10	152.60	153.00	613.00
6.00	PEREN	122.00	122.00	122.00	122.50	122.50	611.00
7.00	LONGLENG	15.00	15.00	15.00	18.00	18.00	81.00
8.00	TUENSANG	156.80	207.20	204.80	191.60	123.20	883.60
9.00	MOKOKCHUNG	19.20	13.60	37.50	8.75	9.00	88.05
10.00	MON		207.10	255.50	177.10	213.40	853.10
11.00	KIPHIRE	147.00	149.00	256.00	330.00	344.00	1226.00
Total		476.00	1156.80	1320.50	1182.15	1164.70	5300.15

TABLE - 24.
H IRRIGATION & FLOOD CONTROL DEPARTMENT

SI. No	District	2012-13	Rs. In lakhs				
			2013-14	2014-15	2015-16	2016-17	Total
1	2	3	4	5	6	7	8
1	KOHIMA	40.00	40.00	40.00	40.00	40.00	200.00
2	DIMAPUR	100.00	300.00	260.00	310.00	240.00	1210.00
3	WOKHA						0.00
4	PHEK						0.00
5	ZUNHEBOTO						0.00
6	PEREN	125.00	187.50	250.00	375.00	375.00	1312.50
7	LONGLENG	229.25	204.38	76.88	111.00	67.25	688.75
8	TUENSANG	1188.00	1364.00	1602.50	1773.50	2022.00	7950.00
9	MOKOKCHUNG						0.00
10	MON		147.00	178.00	127.00	220.03	672.03
11	KIPHIRE	133.30	122.45	126.75	122.55	106.15	611.20
Total		1815.55	2365.33	2534.13	2859.05	3070.43	12644.48

TABLE - 25.**I CO-OPERATION DEPARTMENT**

Sl. No	District	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs Total
1	2	3	4	5	6	7	8
1	KOHIMA			130.50	130.00	90.50	351.00
2	DIMAPUR		115.75	115.75	115.75	115.75	463.00
3	WOKHA						0.00
4	PHEK			497.00	560.40	508.00	1565.40
5	ZUNHEBOTO						0.00
6	PEREN			495.00	573.40	497.00	1565.40
7	LONGLENG	13.00	13.00	13.00	22.00	18.00	79.00
8	TUENSANG		90.00	90.00	105.00	90.00	375.00
9	MOKOKCHUNG			501.80	501.80	561.80	1565.40
10	MON		133.25	136.25	136.25	136.25	542.00
11	KIPHIRE		5.76	523.76	309.96	198.00	1037.48
Total		13.00	357.76	2503.06	2454.56	2215.30	7543.68

J Sector wise summary statement of financial requirement for State Agriculture Plan under NADP/RKVVY Programme during 12th five year plan (2012-17) activities proposal for Nagaland state.

TABLE - 26.

Sl. No.	Sector	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs Total
1	AGRICULTURE	2630.45	7267.39	7377.18	7738.95	7770.16	32784.13
2	HORTICULTURE	1765.10	2984.80	3151.86	3295.69	3624.45	14821.90
3	SOIL & WATER CONSERVATION	1339.11	1713.49	1570.74	1515.17	1527.91	7666.42
4	VETERINARY & ANIMAL HUSBANDRY	625.67	978.34	1049.92	1076.20	1002.53	4732.66
5	FISHERY	537.85	1417.39	1739.41	1127.59	1475.71	6297.95
6	SERICULTURE	133.52	628.16	668.13	686.86	669.83	2786.50
7	LAND RESOURCES DEVELOPMENT	476.00	1156.80	1320.50	1182.15	1164.70	5300.15
8	IRRIGATION & FLOOD CONTROL	1815.55	2365.33	2534.12	2859.05	3070.43	12644.48
9	COOPERATION	13.00	357.76	2503.06	2454.56	2215.30	7543.68
Total:		9336.25	18869.46	21914.92	21936.22	22521.02	94577.87

K Sectorwise summary statement of financial requirement for State Agriculture Plan under NADP/RKVVY programme during 12th Five year plan (2012-17) in percentage (%)

TABLE - 27.

Sl. No.	Sector	2012-13	2013-14	2014-15	2015-16	2016-17	Rs. In lakhs Total
1	AGRICULTURE	28.50	37.12	33.52	35.98	35.17	34.74
2	HORTICULTURE	16.30	15.23	14.52	15.32	16.40	15.47
3	SOIL & WATER CONSERVATION	14.20	9.06	7.24	6.98	6.85	8.15
4	VETERINARY & ANIMAL HUSBANDRY	8.10	5.00	4.84	5.00	3.96	5.03
5	FISHERY	6.22	7.24	8.01	5.24	6.68	6.69
6	SERICULTURE	2.25	3.61	3.20	3.31	3.40	3.27
7	LAND RESOURCES DEVELOPMENT	5.18	5.91	6.08	5.50	5.27	5.63
8	IRRIGATION & FLOOD CONTROL	16.15	11.38	11.91	13.30	13.90	13.00
9	COOPERATION	3.10	5.45	10.68	9.37	8.37	8.02
Total:		100.00	100.00	100.00	100.00	100.00	100.00

HUMAN RESOURCE DEVELOPMENT

The organizational plan of RKVY provides scope for improving training for all the categories of officials including farmers. Considering the felt need, a few workshops covering all the sectors are also to be organized for the officials as well as the farmers to discuss on the RKVY principles and sectoral development aspects.

Besides the training and publicity programme targeted at the farms, specific sector wise training programmes need to be provided to the field functionaries of the Department for the successful of the RKVY Project.

The different training programmes are to be conducted for the various categories as indicated below:

- * Training for the farmers
- * Training for the field functionaries of the Directorate
- * Training for the Officials of the Department.

Sl. No.	District	Agriculture	Horticulture	Soil & Water Conservation	Veterinary & Animal Husbandry	Fishery	Sericulture	Land Resources Development	Irrigation & Flood Control	Cooperation	Total
1	KOHIMA	101.25	7.50		8.36	8.50	5.00				130.61
2	MOKOKCHUNG	55.00			60.80	3.50	0.40				119.70
3	TUENSANG	38.00	67.50	52.00	42.22	3.50	12.35	33.60			249.17
4	MON	402.50	36.00		116.00	111.00	4.00		40.00		747.00
5	WOKHA	26.10			24.00	12.80	4.00				66.90
6	ZUNHEBOTO	49.13			64.20	43.06	15.00	12.00			183.39
7	DIMAPUR	328.50	49.00		130.00	111.00	4.00		30.00		36.00
8	PHEK	218.00	100.00	305.00							623.00
9	PEREN	50.00			30.00	305.00		50.00			435.00
10	KIPHERI	152.00			32.50	50.00	3.50		8.00		30.00
11	LONGLENG	30.00			40.00	24.79	3.50				98.29
	Total:	1450.48		260.00	429.50	550.37	605.36	44.75	171.10		106.00
											3617.55

TABLE - 29.
B DISTRICT WISE PROPOSED FINANCIAL INVESTMENT FOR RESEARCH & DEVELOPMENT

Sl. No.	District	Agriculture	Horticulture	Soil & Water Conservation	Veterinary & Animal Husbandry	Fishery	Sericulture	Land Resources Development	Irrigation & Flood Control	Cooperation	Total
1	KOHIMA	68.00			36.00	10.00	10.00			151.00	275.00
2	DIMAPUR	210.00	28.00		78.00					24.00	340.00
3	WOKHA	634.87			131.10	107.00					872.97
4	PHEK	30.00	72.00			110.00				965.40	1177.40
5	ZUNHEBOTO	32.53			100.35	51.80	9.00				193.68
6	PEREN	361.00	110.00	5.00	70.60	103.00	15.00	25.00		965.40	1655.00
7	LONGLENG	291.50	40.00	10.00	63.64	5.00					410.14
8	TUENSANG	152.00	90.00	362.00		117.00	209.60			40.00	970.60
9	MOKOKCHUNG	180.00			50.19	63.64	124.00	36.80		100.00	554.63
10	MON	898.00	12.00		30.10	44.00				119.00	1103.10
11	KIPHIKE	52.50	200.00	50.00	25.00	105.00		314.00		413.00	1159.50
	Total:	2910.40	552.00	507.29	612.33	732.80	280.40	339.00			2777.80
											8712.02

CHAPTER- VI

PROPOSED STRATEGIES AND THRUST AREAS OF STATE AGRICULTURE PLAN (SAP) UNDER NADP/RKVY FOR 12th FIVE YEAR PLAN (2012-17) FOR NAGALAND STATE

TABLE - 30.

Name of the Department: AGRICULTURE

Sl. No	Name of Activities	Strategies	Thrust Areas	Rs. In lakhs Amount Proposed
1	2	3	4	5
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	<ul style="list-style-type: none"> - Increase production & productivity - Raise income level of rural farmers - Take up double cropping - Encourage farmers to take farming at commercial scale - Supplement Nitrogen requirement of various crops 	<p>Procurement of certified seeds of Paddy, Maize, Jobstear, millets etc.</p> <p>Location: Throughout the state</p>	4266.54
2	CAPACITY BUILDING	<ul style="list-style-type: none"> - To impart training to farmers - To conduct field visit, tour & farmers exchange program - To participate in the different types of exhibition, melas, fairs etc. 	<p>To promote Agriculture Technology & create awareness</p> <p>Location: Throughout the state</p>	1450.48
3	PULSES DEVELOPMENT PROGRAMME	<ul style="list-style-type: none"> - Increase production & productivity - Raise income level of rural farmers - Take up double cropping - Encourage farmers to take farming at commercial scale - Supplement Nitrogen requirement of various crops 	<p>Procurement of certified seeds of Pea, Gram, Kholari, rice bean etc</p> <p>Location: Throughout the state</p>	620.52
4	OILSEED DEVELOPMENT PROGRAMME	<ul style="list-style-type: none"> - Increase production & productivity - Raise income level of rural farmers - Take up double cropping - Encourage commercial scale farming 	<p>Procurement of certified seeds of Mustard, linseed, soyabean, groundnut etc</p> <p>Location: Throughout the state</p>	1066.50
5	CASH CROP DEVELOPMENT	<ul style="list-style-type: none"> - To take up remunerative cash crop development - To increase farmers income - Encourage farmers to take farming at commercial scale. 	<p>Procurement and distribution of crops like Potato, Ginger, Cardamom, tea etc.</p> <p>Location: Throughout the state</p>	2166.09

6	SEED PRODUCTION PROGRAMME	- To provide quality Seeds to the farmers	To increase production & productivity Location: Kohima, Dimapur, Wokha, Tuensang, Mon & Kiphire.	570.90
7	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	- To create conducive market for surplus produces of farmers. - To let the farmers create their own market. - Value addition.	i) To provide infrastructure ii) To promote and facilitate market operation both within and outside the state.	4151.30
8	FARM MECHANIZATION	- To reduce manual labour - To increase the efficiency of works Increase production & productivity	Location: Throughout the state. Procurement of Farm Machineries for distribution to the progressive farmers.	2046.26
9	PROMOTION OF ORGANIC FARMING	- To explore the comparative advantage of the state in the production of organic foods. - To enhance the organic crop production in the State.	i) To train the farmers in organic norms for proper implementation and build capacity of the stakeholders. ii) Promote effective marketing of selected organic products in domestic and international markets.	1009.35
10	BALANCE & INTEGRATED USE OF FERTILIZER & INM	- To reduce use of chemical fertilizers - To sustain soil fertility	Location: Throughout the state. Encourage farmers to organic cultivation	411.95
11	PROMOTION OF IPM & PLANT PROTECTION (IPM)	- To train the farmers on method of pest and disease management - To avoid use of plant protection chemicals.	i) To apply IPM techniques for control of pest and diseases in the farmers fields ii) To motivate the paddy growers to adopt use of bio-agents.	432.60
12	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM FALLOW MANAGEMENT	- To encourage farmers to adopt integrated farming - To manage jhum fallow land.	Location: Throughout the state. Development and promotion of integrated farming and management of jhum land	1329.00
13	SOIL HEALTH MANAGEMENT	- To study the soil fertility status	Location: Kohima, Phek, Zumheboto, Tuensang, Mokokchung & Kiphire. To maintain soil fertility	6.30
14	SUGARCANE DEVELOPMENT	- To take up renumerative cash crop development - To increase farmers income	Location: Kohima, Dimapur, Wokha, Phek, Peren & Mokokchung.	1167.50

15	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	- To provide connectivity for machineries to agriculture fields - To lift materials/produces	Construction of paths for power tiller Location: Throughout the state.	4105.24
16	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE	- To increase the efficiency of works	Procurement of Farm Tools & Implements for distribution to the farmers. Location: Throughout the state.	1540.90
17	FARM WATER MANAGEMENT & LAND SHAPING	- To bring more areas under cultivation - To check run-off water - To irrigate the fields	i) Land Development ii) Bench Terraces i) To provide water storage ponds i) To provide irrigation channel to the fields Location: Throughout the state.	4320.50
18	STRENGTHENING OF INSTITUTE & RESEARCH CENTRE	- To produce more number of field functionaries - To develop research & related activities - To strengthen departmental labs	Strengthening of the Institute, Research Stations and Laboratories Location: Dimapur, Mokokchung & Wokha	308.00
19	ADMINISTRATIVE COST	- To provide services for monitoring/ evaluation of the program. - To document/record the effectiveness of the project(s)/schemes through extension service like inspection/ monitoring/ evaluations.	Provide extension services for proper and effective implementation of the program. Location: Throughout the state.	232.30
20	TEA PROGRAMME	- To take up renumerative cash crop development - To increase farmers income - Encourage farmers to take farming at commercial scale.	Promotion of tea cultivation Location: Wokha, Zunheboto,	666.60
21	INNOVATIVE ACTIVITY	- To provide services to farmers through various clinics - To create avenue for self employment	To establish Agri clinics Location: Kohima, Dimapur, Wokha, Peren, Mon & Kiphire	247.90
22	FARM DEVELOPMENT	- To develop departmental farms - To produce seeds for distribution to farmers	Promotion and development of seed production farms Location: Wokha & Zunheboto	667.40
	TOTAL:			32784.13

TABLE - 31.

Name of the Department: HORTICULTURE

Sl. No	Name of Activities	Strategies	Thrust Areas	Amount Proposed	Rs. In lakhs
1	2 MUSHROOM DEVELOPMENT	3 To provide nutrition to the Rural Farmers	4 Construction of Mushroom production units Location: Wokha & Kiphire	5	5
2	POST HARVEST MANAGEMENT	To minimize loss in farmers produce	Storage bins, Cleaning, Grading, Packaging and good storage facilities i.e. Corrugated boxes Location: Dimapur, Phek & Peren districts.	19.00	962.75
3	PROMOTION OF MICRO IRRIGATION	Efficient utilization of water during lean an dry seasons	Construction of Water Reservoir. Procurement of Sprinkler sets and accessories etc. Location: Dimapur, Wokha & Tuensang districts	673.14	673.14
4	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	Increase Production & Productivity	Promotion of fruits, vegetables & floriculture. Location: Throughout the state.	5003.07	5003.07
5	OPEN FIELD VEGETABLE CULTIVATION	Encourage farmers to take up remunerative cash crop	Promote vegetable cultivation Location: Dimapur	48.00	48.00
6	FLORICULTURE	i) To encourage farmers in taking up floriculture ii) To enhance additional income of farmers	Promotion of floriculture in the state Location: Dimapur	40.00	40.00
7	FARM HANDLING UNITS	Collection of farmers produce for sale and storage	To provide marketing shed and store room Location: Throughout the state, Except Kohima, Mokokchung, Zunheboto & Wokha districts	1310.40	1310.40
8	BEE KEEPING	To enhance subsidiary income of farmers	To promote honey production Location: Dimapur, Phek, Longleng, Mon, Kiphire & Tuensang	60.85	60.85
9	TOOLS, IMPLEMENTS & TRELLIS	- Increase efficiency of works - Reduce time and cost of production	Procurement of improved Farm Implements Location: Throughout the state, Except Wokha, Peren, Mokokchung & Zunheboto districts	532.50	532.50
10	FARMERS TRAINING/ EXPOSURE TOURS	- Create awareness - Technology transfer	Training at Block/ Village and District levels in all Horticultural Technologies. Location: Kohima, , Peren, Longleng & Mon districts	176.00	176.00
11	SETTING UP OF VEGETABLE	- To encourage farmers in taking up Olericulture	Promotion of olericulture in the state	262.00	262.00

12	COMMUNITY TANKS	To store the Water for irrigation	Construction of Water Reservoir Tank Location: Throughout the state, Except Mokokchung, Wokha & Zunheboto districts.	23322.00
13	VERMI-COMPOST UNIT	i) Production of Organic Manure ii) To avoid use of chemical fertilizers	Vermi-Bin Location: Throughout the state, Except Zunheboto, Wokha, & Mokokchung districts	836.44
14	SECURITY FENCING	To provide security for farms	Provision of security fencing to farms Location: Peren, Longleng & Tuensang	598.50
15	HORTI LINK ROADS	To provide road connectivity to Horticulture fields	Construction of Link Roads Location: Peren & Longleng district.	830.00
16	PLANTING MATERIALS	i) To provide identified & disease free planting materials ii) To minimise cost factors	To increase production & productivity Location: Phiek & Longleng	635.00
17	TERRACE DEVELOPMENT	To promote land development	To develop land for cultivation Location: Phiek & Longleng	40.75
18	PACKAGING MATERIALS	To preserve the quality of the produces	To enhance longevity of produces Location: Phiek	5.00
19	CAPACITY BUILDING	i)To impart training to farmers ii)To conduct field visit, tour & farmers exchange program iii)To participate in the different types of exhibition, melas, fairs etc.	To promote Horticulture Technology & create awareness Location: Dimapur, Phiek, Mon & Tuensang	252.50
20	IPM/ INM	i)To train the farmers on method of pest and disease management ii)To avoid use of plant protection chemicals.	i)To apply IPM techniques for control of pest and diseases in the farmers fields ii)To motivate the paddy growers to adopt use of bio-agents. Location: Tuensang	10.00
21	GREEN NET HOUSE	To cultivate horticultural crops in a controlled environment	To promote offseason crops Location: Dimapur & Mon	204.00
	TOTAL:			14821.90

TABLE - 32.

Name of the Department: SOIL & WATER CONSERVATION

Sl. No	Name of Activities	Strategies	Thrust Areas	Rs. In lakhs Amount Proposed
1	2	3	4	5
1	WATER HARVESTING POND	<ul style="list-style-type: none"> - Harness water resources. - Reduce loss of water due to surface run-off 	Construction of Water Harvesting Ponds (WHP) Location: Throughout the state, except Wokha district.	2874.20
2	CHECK DAM	<ul style="list-style-type: none"> - Harness water resources. - Reduce loss of water due to surface run-off 	Construction of check dam Location: Throughout the state, except Wokha district.	922.65
3	GABIAN EMBANKMENT	To retain soil with segment of wire crates	Construction of retaining structure Location: Dimapur, Mokokchung, Mon, Zunheboto, Wokha & Peren	541.75
4	CONSTRUCTION OF SPURS	River/ Stream banks from soil erosion due to water current	Construct Spurs to check velocity of Water current Location: Throughout the state, Except Phek, Longleng, Tuensang & Mon districts	297.68
5	SOIL TESTING LABORATORY	Testing soil Samples	Construct Soil testing Laboratory Location: Dimapur	60.20
6	VERMI COMPOST	<ul style="list-style-type: none"> - Reduce use of chemical fertilizers. - Promote Organic Farming 	Build Vermi-Compost Units. Grow suitable earthworm Location: Dimapur.	250.00
7	CONTOUR TREATMENT	<ul style="list-style-type: none"> - Reduce loss of water due to surface run-off - Reduce soil erosion 	Construction of contour across the slopes Location: Dimapur, Mokokchung, Wokha & Tuensang	419.60
8	BASIC ACTIVITIES	To improve Socio-Economic condition	To provide basic necessities Location: Kohima, Tuensang, mokokchung & Mon districts.	403.29
9	GRADED CONTOUR TRENCHING	<ul style="list-style-type: none"> - Harness water resources. - Reduce loss of water due to surface run-off 	Construction of trenches Location: Wokha, Kiphire & Longleng	381.20
10	INFRASTRUCTURE DEVELOPMENT	To develop infrastructure for horticulture development	Construction of infrastructures Location: Tuensang, Kiphire & Longleng	180.00

11	CAPACITY BUILDING	i)To impart training to farmers ii)To conduct field visit, tour & farmers exchange program iii)To participate in the different types of exhibition, melas, fairs etc.	To promote Technology & create awareness Location: Kiphire, Tuensang & Longleng	124.50
12	LANDSLIDE CONTROL	To control landslide	Construction of retaining walls & planting of barrier plantation Location: Kohima,, Kiphire & Longleng	778.60
13	BENCH TERRACE	Check Soil Erosion	Construction of Bench Terrace Location: Throughout the state, Except Tuensang, Mon & Kiphire districts.	399.00
14	SBEC	To control bank erosion	Control soil erosion in bank Location: Wokha	33.75
	TOTAL:			7666.42

TABLE - 33.

Name of the Department: VETERINARY & ANIMAL HUSBANDRY

Sl. No	Name of Activities	Strategies	Thrust Areas	Amount Proposed
				Rs. In lakhs
				5
1	2	3	4	5
1	LIVE STOCK PRODUCTION AND MANAGEMENT	To increase productivity of livestock	Up gradation of Breed Improved fodder & management Improving health care	2868.72
2	FODDER PRODUCTION	To provide highly nutritious fodder	Location: All over the state. High return of Milk, Meat & Eggs	725.34
3	ANIMAL HEALTH CARE	Diseases and epidemic surveillance	Location: All over the state. Immunization programme Quarantine measures	206.48
4	CAPACITY BUILDING	Awareness programme Demonstration & Trainings Exposure Trips	Location: All over the state, except Wokha district. Organic Training at Block and district levels Field demonstrations Triops & Tours within and outside the state	344.89
5	STRENGTHENING OF HEALTH INSTITUTION	Training for Para-Vets Vet Care Clinic	Location: All over the state. Para-Vets Vets	236.22
6	STRENGTHENING FARM INSTITUTE	Renovation works	Location: All over the state. Dairy, Piggery, Goateries & Poultry	331.01
7	VETERINARY FIELD TRAINING INSTITUTE	Extension of existing Institute	Location: All over the state. VFA training Centre Location: Dimapur	20.00
	TOTAL:			4732.66

TABLE 34.
Name of the Department: FISHERY

Sl. No	Name of Activities	Strategies	Thrust Areas	Rs. In lakhs
				Amount Proposed
				5
1	2	3	4	5
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	Development of untapped water bodies	To provide semi permanent of embankment. Location: Throughout the state except Wokha	2539.11
2	ASSISTANCE FOR IMPROVEMENT OF BREED	Pond management	Renovate the existing fishery ponds Location: Dimapur, Zunheboto, Mokokchung & Mon	48.70
3	DEVELOPMENT OF STREAM FISHERIES	Development of Fishery	To enhance production of fish To improve economical condition of farmers To generate self employment Location: Dimapur, Wokha, Phek & Zunheboto	159.47
4	MAGUR CULTURE/REARING	Procurement of Magur seeds	Renovation of ponds Location: Throughout the state except Dimapur, Wokha, Zunheboto & Mon	78.00
5	PRAWN CULTURE/REARING	Procurement of Prawn seeds	Renovation of ponds Location: Throughout the state except Dimapur & Zunheboto	80.30
6	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	To produce high variety of fish seeds	To enhance production of fish Location: Throughout the state except Kohima, Wokha, Phek, Zunheboto & Mon	437.82
7	DEVELOPMENT & MANAGEMENT OF FISHERIES	Development of Fishery	To enhance production of fish To improve economical condition of farmers To generate self employment Location: All over the state, except Dimapur, Zunheboto & Mon districts.	800.00
8	CAPACITY BUILDING	Farmers exposure trips, inputs & materials	To enhance capacity of farmers in fish culture Acquire knowledge and experience on fish culture Location: All over the state	307.36
9	PROMOTION OF FARM EQUIPMENT	Procurement of farm equipments	To improve economical condition of farmers Location: All over the state except Dimapur, Zunheboto & Mon	98.52

10	FISHERIES DEVELOPMENT MARKETING/POST MANAGEMENT	To develop avenues for marketing & post harvest management	To improve economy of farmers\\ Location: All over the state except Dimapur, Zunheboto & Mon	59.00
11	DEVELOPMENT OF ORNAMENTAL FISHERIES	Promote development of ornamental fishes	To generate income and self employment Location: Kohima, Peren, Tuensang & Mokokchung	36.00
12	SWAMPY/MARSHY	To develop swampy/marshy areas into fishery ponds	To bring waste land into fishery development Location: Dimapur & Mon	229.60
13	STRENGTHENING OF DEMONSTRATION FARMS	To impart demonstrations and trainings	To develop and strengthen demonstration farms Location: Peren & Tuensang	150.00
14	COLD WATER FISHERIES	To encourage culture of cold water fishes	To develop cold water fisheries Location: Phek, Tuensang & Mokokchung	95.00
15	ECO - TOURISM FISHERIES	Development of fisheries for eco-tourism	To encourage tourism in fisheries Location: Wokha, Phek & Mokokchung	31.00
16	LAKE RENOVATION	To renovate and develop lakes for fish production	Renovation and development of lakes Location: Dimapur, Wokha, Zunheboto & Mokokchung	452.67
17	DISTRIBUTION OF FISH SEEDS	To produce high variety of fish seeds	To enhance production of fish Location: Kohima, Wokha, Phek, Zunheboto & Mon	695.40
	TOTAL:			6297.95

TABLE 35.
Name of the Department: SERICULTURE

Sl. No	Name of Activities	Strategies	Thrust Areas	Amount Proposed
1	AUGMENTATION OF ERI HOST PLANT AND REARING OF ERI SILKWORM	Uplift the Rural mass BPL Increase Eri cocoon productivities Involve women folks	Plantation of Castor & Kessaru plants Construction of rearing house Location: All over the state, except Phek & Mokokchung districts.	1487.25
2	AUGMENTATION OF MUGA FOOD PLANT AND REARING OF MUGA SILKWORM	Increase Muga cocoon production Uplift rural mass economical condition Involve women folks	Plantation of Som & Saulu plants Conduct training on rearing of Muga Silk Worms Location: Dimapur, Peren, Mokokchung & Mon	252.40
3	ESTABLISHMENT OF ERI GRAINAGE	To produce high quality Eri Silkworms Dfis. Increase production of Eri Dfis Meet the demand of new and old farmers	Preparation of high and disease free Eri silkworms Location: Throughout the state, except Phek, Tuensang & Mokokchung	96.16
4	ESTABLISHMENT OF MUGA GRAINAGE/STORAGE	Supply high quality and disease free layings to farmers Increase production of Muga silkworm eggs in the state Increase production of Muga cocoons	Preparation of disease free laying in government grainage Location: Throughout the state, except Phek, Tuensang, Kohima, Wokha, Zunheboto, Longleng & Kiphire	55.39
5	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)	Produce quality Kessaru seedlings Generate self employment	Development of Kessaru nursery in government farms & private. Location: Throughout the state, except Phek & Mokokchung	61.00
6	DEVELOPMENT OF MUGA HOST PLANT NURSERY (SOM)	Produce quality high yielding variety of Som seedlings Improve survivability rate of Som seedlings	Develop of Som seedling in government farms & private. Location: Dimapur, Peren, Mokokchung & Mon	22.74
7	SILK PEST MANAGEMENT	Impart knowledge on pest and their management Increase production of cocoons by reducing mortality	Training of farmers Awareness programmes Generate self employment Location: Dimapur, Peren, Longleng, Mon & Kiphire districts.	27.00
8	FARMERS TOUR/FIELD TRIPS	Enhance experience and knowledge on culture	Tours to Assam & West Bengal Location: Throughout the state, except Phek, Zunheboto, Tuensang & Mokokchung	85.20

9	MARKET DEVELOPMENT / INFRASTRUCTURE	To encourage the farmers in marketing their product	Plantation of Kesseru plants Construction of rearing house	262.40
10	ADOPTED SEED REARERS	To identify and adopt farmers for rearing seeds	Location: Kohima, Zunheboto, Tuensang & Mokokchung For production of seeds	16.00
11	CAPACITY BUILDING/EXHIBITION	To conduct trainings To expose the beneficiaries and their products to international and national markets Bring more competition and development of skills	Location: Kohima Conduct trainings and participate in expos & exhibition etc	44.75
12	TOOLS/IMPLEMENTS/ REARING / APPLIANCE	To reduce labour and encourage more production	Location: Throughout the state, except Phek, Peren, Longleng & Kiphire Introduce advance technology in rearing and production	121.70
13	FARM MAINTENANCE	To maintain departmental farms	Location: Zunheboto & Mokokchung To produce better quality seedlings/cuttings	219.11
14	MUGA REELING MACHINE	To encourage high quality production	Location: Mokokchung To produce better quality seedlings	30.00
15	SOLAR OPERATING SPINNING MACHINE	To encourage high quality production	Location: Mokokchung district To produce better quality seedlings	5.40
		TOTAL:		2786.50

TABLE 36.

Name of the Department: LAND RESOURCE

Sl. No	Name of Activities	Strategies	Thrust Areas	Amount Proposed
1	2	3	4	5
1	CONTOUR BUND	Reduce loss of water due to surface run-off Reduce soil erosion	Construction of contour across the slopes Location: Zunheboto	54.00
2	BENCH TERRACING	Check Soil Erosion	Construction of bench terrace Location: Zunheboto	30.00
3	WATER HARVESTING STRUCTURE	Harness water resources. Reduce loss of water due to surface run-off	Construction of water harvesting structures Location: Zunhrboto & Mon	90.00
4	EXPOSURE TOUR	To conduct field visit, tours within and outside state	Impart modern knowledge to farmers Location: Dimapur & Zunheboto	32.00
5	LAND REFORMS	To transform waste and uncultivable land into cultivable land	Development of waste land Location: Zunheboto	117.00
6	FRUITS DEVELOPMENT	To cultivate and develop fruits	Encourage fruit cultivation for additional income Location: Zunheboto & Kiphire	500.00
7	AFORESTATION / AGROFORESTRY / SANDAL WOOD	To bring waste land under forest land	Encourage forestry Location: Dimapur & Zunheboto	262.00
8	FARM MACHINERIES	To reduce labour and introduce modern farming	Promote production Location: Dimapur & Kiphire	16.40
9	WORK COMPONENTS FOR LEMON GRASS	To cultivate lemon grass	Promote additional income Location: Dimapur, Peren Tuensang & Kiphire	669.00
10	WORK COMPONENTS FOR AGAR	To cultivate agar	Promote additional income Location: Kohima, Longleng Tuensang, Mokokchung & Kiphire	651.25
11	WORK COMPONENTS FOR SUGARCANE	To cultivate sugarcane	Promote additional income Location: Kohima, Dimapur & Tuensang	628.00
12	WORK COMPONENTS FOR CARDAMOM	To cultivate cardamom	Promote additional income Location: Longleng, Tuensang, Mokokchung, Mon & Kiphire	607.00
13	RUBBER PLANTATION	To cultivate rubber plant	Promote additional income Location: Mokokchung, Mon & Kiphire	694.40

14	PARKIA	To cultivate parkia	Promote additional income Location: Kiphire	200.00
15	NURSERY (RAISING)	To raise nurseries for various seedlings	Made available seedlings to farmers Location: Peren	25.00
16	SHG	To raise self help groups	Encourage group activities Location: Peren	5.00
17	CONSTRUCTION OF GODOWN/ STORE	To develop storage facilities	Made available infrastructure for storage facilities Location: Peren & Kiphire	31.00
18	CONSTRUCTION OF APPROACH ROAD/FENCING	To construct roads for transportation and fencing for security	For easy transportation and security Location: Dimapur & Peren	180.00
19	CAPACITY BUILDING	To conduct trainings To expose the beneficiaries and their products to international and national markets	Conduct trainings and participate in expos & exhibition etc. Location: Zunheboto, Peren, Tuensang, Mon & Kiphire	141.10
20	TREE TOMATO	To cultivate parkia	Promote additional income Location: Kohima	16.00
21	TREE BEANS	To cultivate parkia	Promote additional income Location: Kohima	16.00
22	BIO-FERTILIZER (VERMI-COMPOST)	To reduce use of chemical fertilizers To sustain soil fertility	Encourage organic farming Location: Peren	5.00
23	LAND SHAPING	i)To bring more areas under cultivation ii)To check run-off water	Land Development Bench Terraces To provide water storage ponds Location: Peren	325.00
24	APICULTURE	To rear honey bees	Generate additional income Location: Peren	5.00
	TOTAL:			5300.15

TABLE 37.

Name of the Department: IRRIGATION & FLOOD CONTROL

Sl. No	Name of Activities	Strategies	Thrust Areas	Amount Proposed
1	2	3	4	5
1	MINOR IRRIGATION PROGRAMME	To provide irrigation for cultivation	Provide irrigation to command areas Location: Kohima, Dimapur, Peren, Tuensang & Longleng	4101.25
2	LIFT IRRIGATION	To provide irrigation for cultivation	Provide irrigation Location: Tuensang & Mon	6360.00
3	FORMATION OF CHANNEL/ CUTTING/ HEAD WORK/ CC LINING ETC.	To provide irrigation for cultivation	Provide irrigation Location: Kiphire	596.20
4	MAINTENANCE OF CONTINGENCIES	To make provisions for contingency charges	Provide contingencies for maintenance Location: Kiphire	15.00
5	D/ WEIR	To provide irrigation for cultivation	Provide irrigation Location: Dimapur & Mon	1572.03
	TOTAL:			12644.48

TABLE 38.
Name of the Department: COOPERATION

Sl. No	Name of Activities	Strategies	Thrust Areas	Amount Proposed
1	2 CO-OPERATIVE CREDIT LINKAGE TO MARGINAL FARMERS	3 To provide credit opportunities to farmers	4 Provide credit facilities for seed money etc. Location: Phek, Peren & Mokokchung	5 600.00
2	MULTIPURPOSE MINI COLD STORAGE	To provide storage facilities for produces	Construct in high production areas Location: Phek, Peren, Longleng & Mokokchung	930.00
3	RURAL STORAGE GODOWN	To construct storage godown in villages	For storing surplus produces Location: Kohima, Phek & Peren	400.00
4	SKILL UP-GRADATION	To provide trainings, demonstrations etc	Upgrade skill of farmers Location: Phek, Peren, Mokokchung, Mon & Kiphire	2189.80
5	MOBILIZATION OF FARMERS	Mobilize farmers for forming self help groups	Encourage farmers to form groups for various farm activities Location: Kohima & Mokokchung	1116.40
6	PRODUCTION OF FOOD CROPS/HANDLOOM	To encourage farmers to be self sufficient through crop production and hand looms	To generate additional income Location: Dimapur	56.00
7	OLERICULTURE	To cultivate vegetables	To generate additional income Location: Dimapur & Mon	108.00
8	FLORICULTURE	To cultivate flowers which has high marketable values	To generate additional income Location: Dimapur, Tuensang & Mon	45.00
9	DAIRY	For production of meat and milk	To encourage protein production and generate additional income Location: Dimapur, Tuensang & Mon	160.00
11	FISHERY POND	To rear and produce fishes	To generate additional income Location: Longleng & Tuensang	90.00
12	PIGGERY	For production of meat	To encourage protein production and generate additional income Location: Dimapur, Tuensang & Kiphire	191.00
13	FARM HANDLING UNIT	To manufacture local crates, boxes etc for storing produces	To reduce damages during transportation Location: Dimapur & Mon	64.00

14	TOOLS & IMPLEMENTS	To increase the efficiency of works	Reduce labour and increase production Location: Dimapur & Mon	64.00
15	CAPACITY BUILDING	To impart training to farmers ii) To conduct field visit, tour & farmers exchange program iii) To participate in the different types of exhibition, melas, fairs etc.	Create awareness in modern technologies Location: Dimapur, Kiphire & Mon	106.00
16	INFRASTRUCTURE DEVELOPMENT/WAITING SHED	To construct godowns/waiting sheds etc	i) To provide infrastructure ii) To promote and facilitate market operation both within and outside the state. Location: Longleng, Mon & Kiphire	391.00
17	OFFICE CONTINGENCIES	To make provisions for contingency charges	Location: Kiphire	12.00
18	ADMINISTRATIVE EXPENSES	To provide charges for administrative expenses	Location: Kiphire	17.48
19	CONSTRUCTION OF MARKETSHED	To construct shed for selling of produces	To generate additional income Location: Longleng, Kiphire & Tuensang	71.00
20	PISCICULTURE	To encourage cultivation of fish	To generate additional income Location: Kiphire	339.60
21	POULTRY	To encourage poultry production	To generate additional income Location: Tuensang & Kiphire	94.40
22	HORTICULTURE	To encourage cultivation of fruits	To generate additional income Location: Dimapur, Mon & Kiphire	418.00
23	SEEDS MONEY	To provide seed money	To help farmers in procuring seeds Location: Tuensang	80.00
	TOTAL:			7543.68

CHAPTER - VII

BENEFITS AND JUSTIFICATION

Direct benefits:

A number of steps have been taken up to boost the income level of the agriculture community. Moderate targets have been prepared and project achievement of each sector has been worked out based on the past performance. It is assumed that optimum level of achievement will be reached during the period.

Indirect benefits:

1. The project will attempt to increase agricultural & allied sector production with the support of regular flow of inputs, which is poor in the remote districts. It is expected that cropping intensity in the state will improve.
2. Under RKVY a number of forward and backward linkage measures have been envisaged. These include market intervention through improvement of the market infrastructure and reactivating the marketing facilities by addressing the actual problems & real needs. A lots of business opportunity would be generated on the successful implementation of RKVY. The project specially emphasizes or facilitates, co-ordinates all the agricultural & allied activities to tap the huge potentiality and horizontal linkage between the agriculture & allied Department.
3. Creation of need based processing and post harvest management infrastructure is one of the prime features of the project. There is a need for undertaking processing activities in an organized way. With the innovative market linkage, the RKVY would show the way of organized processing in the state.
4. The project would also take care of the condition of rural fishermen and sericulturists. The project envisages the participation of rural women in the activities of horticulture; bee keeping etc. thus, the income generation of rural poor women would increase.
5. In general, the project will increase the production and productivity of agricultural Crops of the State which will uplift the living condition and economy of the farmers

Additional Year Wise Anticipated Area & Production Target under NADP/RKVY Programme during 12th Five Year Plan (2012-17)

A AGRICULTURE
TABLE - 39

Area = in hectare
Prod = in MT

Sl.No	Component	Year wise Anticipated Area & Production Target									
		2012-13		2013-14		2014-15		2015-16		2016-17	
		A	P	A	P	A	P	A	P	A	P
1	PADDY	183330	405180	189390	429340	195650	454950	202340	482080	209490	510820
2	MAIZE	68670	134650	68760	135380	68820	135940	68910	136360	68980	13657
3	MILLETS	8580	9610	8620	9670	8690	9750	8760	9830	8800	9880
4	KHOLAR	14680	18180	14810	18550	14970	18890	15130	19210	15260	19400
5	SOYABEAN	24670	30880	24740	31040	24820	31140	24910	31260	31990	31410
6	PEA	7020	7340	7070	7620	7130	7820	7190	7910	7240	7990
7	POTATO	69100	69000	7040	70410	7220	72230	7360	73650	7490	71950
8	GINGER	3370	30730	35000	31920	3640	33200	3760	34300	3870	35310
9	JUTE	3010	5730	3030	5770	3050	5810	3060	5830	3080	5870
10	COLOCASSIA	5210	49550	5240	49480	5280	50220	5320	50610	5370	51090
11	MUSTARD	27170	27420	27210	27500	27290	27610	27360	27680	27410	27760
12	SUGARCANE	4310	187570	4330	188460	4350	189340	4390	19108	4420	19239
	Total:	419120	975840	395240	1005140	370910	1036900	378490	897828	393400	804376
											1957160
											4720084

B HORTICULTURE
TABLE - 40

Area = in hectare
Prod = in MT

Year wise Anticipated Area & Production Target

Sl.No	Component	2012-13			2013-14			2014-15			2015-16			2016-17			Total	
		A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	
1	CARDAMUM	350	1022	510	1500	550	1660	620	1760	680	1820	2710	7762					
2	GINGER	180	1755	550	5455	590	5855	610	6060	520	5160	2450	24285					
3	M. ORANGE	400	2400	930	5640	1540	9240	1120	6490	1140	6610	5130	30380					
4	LEMON	75	300	230	920	230	920	230	920	260	1040	1025	4100					
5	BANANA	270	1620	735	4410	755	4530	855	5130	895	5370	3510	21060					
6	TURMERIC	150	3250	220	4650	240	5050	260	5450	280	5850	1150	24250					
7	CHOWCHOW	205	750	250	1200	270	1280	330	1520	450	2000	1505	6750					
8	LITCHI	95	665	375	2625	375	2625	365	2490	375	2630	1585	11035					
9	PINEAPPLE	180	600	830	3620	880	4380	910	3640	920	3680	3720	15920					
10	PASSION FRUIT	120	960	540	4320	560	4480	480	3840	500	4000	2200	17600					
11	MANGO	70	560	215	1720	215	1720	255	1980	275	2140	1030	8120					
12	KIWI	140	560	190	760	210	840	230	920	250	1000	1020	4080					
13	APPLE	20	140	45	315	45	315	45	315	45	315	200	1400					
14	MOSAMBI			120	600	120	600	120	600	120	600	480	2400					
15	NAGA CHILLY	75	187.5	75	187.5	75	187.5	94	235	95	237.5	414	1035					
16	TREE BEANS	40	480	40	480	40	480	60	720	110	1320	290	3480					
17	TREE TOMATO	75	900	75	900	85	1020	95	1140	145	1740	475	5700					
	Total	2445	16149.5	5930	39302.5	6780	45182.5	6679	43210	7060	45512.5	28894	189357					

C FISHERIES
TABLE - 41

Area = in hectare
Prod = in MT

Sl. No	Component	Year wise Anticipated Area & Production Target						Total
		2012-13		2013-14		2014-15		
A	P	A	P	A	P	A	P	
1	Aquaculture development	31.31	60.24	19.5	36.15	28.78	57.857	34.9
2	Development & Management of fisheries	83	147	89	158	118	208.5	88.5
3	Development of un-tapped water bodies			382	197	607	332	351
4	Intensification of quality seeds	6	30					184
Total :		120.31	237.24	490.5	391.15	753.78	598.36	474.4
								402.55
								326.2
								346.65
								2165.19
								1925.95

D SERICULTURE
TABLE - 42

Area = in hectare
Prod = in MT

Sl. No	Component	Year wise Anticipated Area & Production Target						Total
		2012-13		2013-14		2014-15		
A	P	A	P	A	P	A	P	
1	Augmentation of Eri food plantation	345	5175	765	11475	770	11550	767
2	Strengthening of eri seed grainage	2	12	3	18	5	30	8
3	Establishment of Kessure nursery	30	75	40	100	37	92.5	36
7	Plantation of Muga food							90
9	Plantation development & maintenance			50	500	50	500	200
TOTAL		377	5262	858	12093	862	12172.5	861
								12143
								865
								11648.5
								3823
								533319

E LAND RESOURCES DEVELOPMENT
TABLE - 43

State Agriculture Plan 2012-17

Area = in hectare
 Prod = in MT

Sl. No	Component	Year wise Anticipated Area & Production Target						2016-17			Total		
		2012-13		2013-14		2014-15		A	P	A	P	A	P
		A	P	A	P	A	P	A	P	A	P	A	P
1	AGAR	684	17100	534	13350	1099	27475	802.5	20062.5	485	12125	3604.5	90112.5
2	RUBBER	52	208	395	1580	431	1724	291	1164	337	1348	1506	6024
3	LEMON GRASS	260	5720	135	2970	360	7920	290	6380	190	4180	1235	27170
4	CARDAMOM	50	200	300	1200	340	1360	650	2600	675	2700	2015	8060
5	KIWI		30	120	20	80	40	160	10	40	100	400	
6	PINEAPPLE		25	100	15	60	20	80	20	80	80	320	
7	CITRUS		40	160	35	140	30	120	25	100	130	520	
8	MANGO	20	160	20	160	50	400	50	400	50	400	190	1520
9	LITCHI	20	140	20	140	50	350	50	350	50	350	190	1330
10	SUGARCANE	200	8000	200	8000	200	8000	200	8000	200	8000	1000	40000
11	COFFEE		160	80	200	100	200	100	200	100	200	760	380
12	TREE BEANS	20	240	20	240							40	480
13	TREE TOMATO	20	240	20	240								
	TOTAL	1326	32008	1899	28340	2800	47609	2623.5	39416.5	2242	29423	10850.5	176316.5

E. SOIL & WATER CONSERVATION
TABLE - 44

Area = in hectare
 Prod = in MT

Sl.No	Component	2012-13				2013-14				2014-15				2015-16				2016-17				Total	
		A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	Total	
1	Retaining Wall/ Embankment	345		500		435		435						457						2172		0	
2	Retrof/Spurs	234		362		367		361						350						1674		0	
3	Check dams	217		408		368		345						314						1652		0	
4	WHP	273		399		391		373						368						1804		0	
5	Contour bundling	80		140		140		140						160						660		0	
6	Contour trenching			145		150		155						160						610		0	
7	SBEC			30		30		35						40						135		0	
8	Soil Testing Lab		2																2		0		
9	Vermi Compost	54		154		144		134						122						608		0	
10	Training	301		301		301		301						301						1505		0	
11	Infrastructure	7	2											6						15		0	
12	Contour treatment	155		261		246		241						240						1143		0	
13	Landslide control	922		8122		922		922						922						11810		0	
14	Bench Terracing	144		143		143		143						143						716		0	
15	Demonstration Plot	57												15						72		0	
16	Community re-forestation	90		90		90		90						90						450		0	
17	Village nursery	27		27		27		27						27						135		0	
18	Boulder Sausage Wall	70		70		70		70						70						350		0	
	TOTAL	2976	0	11156	0	3824	0	3772	0	3785	0	3785	0	25513									

F VETERINARY & ANIMAL HUSBANDRY

TABLE - 45

Area = in hectare
Prod = in MT

Sl.No	Component	Year wise Anticipated Area & Production Target						Total		
		2012-13		2013-14		2014-15				
		A	P	A	P	A	P	A	P	A
1	Production Management of livestock	18605		21177		21283		23337		25869
2	Animal Health care	1296		1354		1382		1429		1539
3	Capacity building	24		44		126		126		109
4	Strengthening of Health & Farm Institution	17		24		30		32		17
	TOTAL	19942		22599		22821		24924		27534
										117820

G. IRRIGATION & FLOOD CONTROL
TABLE - 46

Area = in hectare
Prod = in MT

Sl.No	Component	Year wise Anticipated Area & Production Target						Total		
		2012-13		2013-14		2014-15				
		A	P	A	P	A	P	A	P	
1	Minor Irrigation/ Dam	1048		1153		1274		1393		1507.5
2	Repair/ Renovation/ restoration	150		165		180		190		215
3	Micro irrigation	160		180		200		220		240
4	Formation & Channel cutting, Lead work, CC lining & approach road	42		45		50		55		60
	TOTAL	1400	0	1543	0	1704	0	1858	0	2022.5
										8527.5
										0

I. COOPERATION
TABLE - 47

State Agriculture Plan 2012-17

Area = in hectare
Prod = in MT

Sl.No	Component	Year wise Anticipated Area & Production Target						Total		
		2012-13		2013-14		2014-15		A	P	A
		A	P	A	P	A	P	A	P	A
1	PISCICULTURE			50		38		30		118
2	HANDLOOM & WEAVING	1	51	72		61		61		246
3	POULTRY			5		6		5		16
4	PIGGERY	2	102	112		117		109		442
5	INFRASTRUCTURE DEVELOPMENT			10		1				11
6	COOPERATIVE	800	800	1200		1200		900		4900
	CREDIT LINKAGE									0
7	COLD STORAGE	2	4	4		3		3		16
8	STORAGE GODOWN	5	6	2		3		2		18
9	SKILL UPGRADATION	2016	2172	2408		2411		2417		11424
10	FARM HANDLING UNIT		40	40		40		40		160
11	TOOLS & IMPLEMENTS		400	400		400		400		1600
12	DAIRY	150		150		150		150		600
13	FRUITS	690		710		695		695		2790
14	OLERICULTURE	180		180		180		180		720
15	FLORICULTURE	50		50		100		100		300
16	CIGS	10		10		11		10		41
17	MARKETING SHEED	1	1	1						3
18	FISHERY POND	2	1	2		1		2		8
	TOTAL	2829	0	4657	0	5406	0	5417	0	23413

GOVERNMENT OF NAGALAND DEPARTMENT OF AGRICULTURE

STATE PLAN

YEAR WISE ANTICIPATED AREA & PRODUCTION TARGET UNDER STATE PLAN DURING THE YEAR 2012-17

A AGRICULTURE
TABLE 48.

(A=Area in Hectare)
(P=Production in MT)

Sl. No.	Item	2012-13		2013-14		2014-15		2015-16		2016-17	
		A	P	A	P	A	P	A	P	A	P
1	Cereals	267.05	558.51	273.30	583.68	279.20	608.87	286.86	637.96	296.26	667.17
2	Pulses	36.20	40.45	36.75	41.60	37.00	42.40	37.82	43.53	38.38	44.26
	Total Food Grain:	303.25	598.96	310.05	625.28	316.20	651.27	324.68	681.49	334.64	711.43
3	Oilseeds	66.82	68.90	67.10	69.30	67.30	69.50	67.92	70.12	68.30	70.55
4	Other crops	37.12	440.24	37.92	448.95	38.50	457.00	39.35	465.69	40.05	473.76
	Grand Total:	407.19	1108.10	415.07	1143.53	422.00	1177.77	431.95	1217.30	442.99	1255.74

B VETERINARY
TABLE 49

Sl.No.	Year	Milk (000 Kltrs)		Meat (000 MT)		Egg (Lakh in No.)	
		1	2	1	2	1	2
1	2012-13		132.00		107.00		1040.00
2	2013-14		139.00		115.00		1080.00
3	2014-15		146.00		122.00		1125.00
4	2015-16		153.00		130.00		1170.00
5	2016-17		161.00		138.00		1220.00
	Total		731.00		612.00		5635.00

C FISHERIES
TABLE 50.

Sl.No.	Year	Fish Production (MT)		Fish Seed Production (Million)	
		1	2	1	2
1	2012-13		8550		75
2	2013-14		8850		80
3	2014-15		9300		86

(A=Area in Hectare)

Sl.No.	Item	2012-13	2013-14	2014-15	2015-16	2016-17
1	Medicinal & Aromatic Plant	684	534	1099	802.5	485
2	Rubber Plantation	52	395	431	291	337
3	Lemon grass	260	135	360	290	190
4	Sugarcane	200	200	200	200	200
5	Cardamom	50	300	340	650	675

E SERICULTURE
TABLE - 52.

(A=Area in Hectare)
(P=Production in MT)

Sl.No.	Particulars	Unit	2012-13	2013-14	2014-15	2015-16	2016-17
1	Cocoon	M.T	69.00	153.00	154.00	153.40	115.00
2	Spun yarn	M.T	60.00	140.00	138.00	140.00	100.00
3	Dfls	Lakh. No	7.00	15.00	15.00	15.00	8.00
4	Eri Pupae	M.T	1035.00	2295.00	2310.00	2301.00	1725.00
5	Seedling & Sapling	Lakh. No	6.50	10.00	10.00	10.00	8.00

F HORTICULTURE
TABLE - 53.

(A=Area in Hectare)
(P=Production in MT)

Sl.No	Item	2012-13		2013-14		2014-15		2015-16		2016-17	
		A	P	A	P	A	P	A	P	A	P
1	Fruit crops	1370.00	7805.00	4210.00	24930.00	5170.00	34700.00	4870.00	31775.00	5060.00	33235.00
2	Vegetables	320.00	2130.00	365.00	2580.00	395.00	2780.00	485.00	3380.00	705.00	5060.00
3	Spices	755.00	6214.50	1355.00	11792.50	1455.00	12752.50	1584.00	13505.00	1575.00	13067.50
	Total:	2445.00	16149.50	5930.00	39302.50	7020.00	50232.50	6939.00	48660.00	7340.00	51362.50

CHAPTER - VIII

EMERGING ISSUES

Institutional Adjustment

Development of Agriculture in North East Region is an issue of top priority. Nagaland as a State is not an exception. Accordingly, a number of Departments including different agencies are all working for this particular objective with their own independent outlook and policies. During the course of preparation of the report, it was found that coordination between the departments needs to be improved for successful implementation of the programme.

Percolation of benefit up to the grass level.

The major task of the project planning is to involve the farmers/ growers in encouraging their participation in production activities in the entire sector. Again, there has to be done to create further market demand, which will call for a thorough planning to link farmer with the market through forward linkage. This task involves a reorientation of the marketing system towards commercialization. State machineries is required to work hand in hand with the societies. Lack of efficiency in this regard would affect the social relevance of the project.

Encouragement of processing and allied activities.

Parallel to the enhancement of production in all the sectors, processing activities also need to be encouraged in the present area. Most of the Horticulture commodities that will be produced are perishable in nature and it cannot be retained for a longer period. The impact would not be persistent if value addition activity remains lagging at that point of time.

Training.

Across the State in the Agriculture & Allied Sector there has been an increase in investment to maintain the momentum of growth as achieved in the 11th Plan period. In view of this, in the 12th Plan period also a huge investment across all sectors has been envisaged. To maintain & monitor these schemes, it is important to generate skilled manpower pool or at least invest in capacity building exercise.

Monitoring.

Monitoring of project/ schemes during implementation is necessary to review the physical and financial achievement as well as to generate and maintain database for further use. It is also essential to check any deviation of guidelines by the concerned departments at the time of implementation of the project, to suggest corrective measures in case of deviation, and to suggest alternative measures in case of problems arising during implementation.

Socio-political issues.

A number of socio-political problems may come as constraints towards implementation of the project. These are to be addressed in case-to-case basis.

Benefit Cost Ratio.

The investment, which is being proposed for the development of Agriculture & Allied sectors, will ultimately percolate down to the grass root level. As a result of these investments and capacity creation, there will be a direct/ indirect generation of income in the hands of the rural poor and this brings a reasonable prosperity for the people.

CHAPTER - IX

AGRO-CLIMATIC ZONE OF NAGALAND STATE

NAME OF THE ZONES	CHARACTERISTICS FEATURES	AREAS LOCATED
1. Sub-Temperate High Hill Zone	The altitude of this zone lies above 1500msl. The zone is characterized by maximum temperature of 30° C with and minimum of 4° C with an average annual rainfall of 2000 mm varying from place to place. Soil of this Zone is generally loamy silt containing low to moderate organic matter, minimum levels of phosphorus and low potassium. The Ph of the soil ranges from 4.5 to 6.5.	Kohima, Zunheboto, Phek, Kiphire and Peren
2. Sub-Montane Mid Hill Zone	This Zone is located within altitude ranges of 800 to 1500 msl having typical sub-tropical climate of warm summers and cool winters. The average maximum temperature remaining around 27° C during summer. The soil of this valley is mostly alluvial and highly retentive.	Mid hill zone areas of all districts of the state.
3. Sub Tropical Foot Hill Zone	The altitude varies from 150msl to 800msl with an annual rainfall of around 1800mm and the temperature varying from a minimum of 17° C to maximum of 35° C. The soils are mostly lateritic and alluvial with high organic matter, low phosphate and moderate potash contents. The soils are acidic in nature sharing iron toxicity.	Dimapur, Wokha, Mon, Peren and Mokokchung

**District Wise
Physical and Financial Break-up
During 12th Five Year Plan**

ANNEXURE

CHAPTER - X

DISTRICT WISE PHYSICAL AND FINANCIAL BREAK-UP DURING 12TH FIVE YEAR PLAN

DIMAPUR DISTRICT

A. AGRICULTURE

ANNEXURE 1

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	160		231	180	272	195	300.5	210	329	745	1132.5	
2	CAPACITY BUILDING	124	58.5	181	78	220	89	260	103	785	328.5		
3	PULSES DEVELOPMENT PROGRAMME	7	3.01	7	3.01	8	3.44	8	3.44	30	12.9		
4	OILSEED DEVELOPMENT PROGRAMME	44	24.4	49	26.6	50	27.4	57	30.6	200	109		
5	CASH CROP DEVELOPMENT	299	61.9	334	69	366	75.7	396	82.9	1395	289.5		
6	SEED PRODUCTION PROGRAMME	6	15	6	15	6	15	6	15	24	60		
7	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	400	199.5	400	199.5	400	199.5	400	199.5	1600	798		
8	FARM MECHANIZATION	172	118	172	118	172	118	172	118	118	688	472	
9	PROMOTION OF ORGANIC FARMING	775	21.25	775	21.25	775	21.25	775	21.25	775	21.25	3100	
10	BALANCE & INTEGRATED USE OF FERTILIZER & INM	100	20	100	20	100	20	100	20	100	20	400	
11	PROMOTION OF IPM & PLANT PROTECTION (IPM)	20	12.5	21	12.7	22	12.9	22	12.9	22	12.9	85	
12	FARM WATER MANAGEMENT & LAND SHAPING	420	230	420	230	420	230	420	230	420	230	1680	
13	STRENGTHENING OF INSTITUTE & RESEARCH CENTRE	11	75	7	55	7	45	7	35	35	32	210	
14	INNOVATIVE ACTIVITY	10	4	10	4	10	4	10	4	10	4	40	
	TOTAL	0	0	2548	1074.06	2662	1124.06	2751	1161.69	2843	1204.59	10804	4564.4

B. HORTICULTURE

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	POST HARVEST MANAGEMENT		20	2	20	2	20	2	20	2	20	2	80
2	PROMOTION OF MICRO IRRIGATION	40	3.5	40	3.5	40	3.5	40	3.5	40	3.5	160	14
3	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	875	87.5	875	87	875	87	875	87	875	87	3500	348.5
4	OPEN FIELD VEGETABLE CULTIVATION	22.5	2	22.5	2	22.5	2	22.5	2	22.5	2	90	8
5	FLORICULTURE	40	10	40	10	40	10	40	10	40	10	160	40
6	FARM HANDLING UNITS	20	6	20	6	20	6	20	6	20	6	80	24
7	BEE KEEPING	20	1.5	20	1.5	20	1.5	20	1.5	20	1.5	80	6
8	TOOLS, IMPLEMENTS & TRELLIS	1000	10	1000	10	1000	10	1000	10	1000	10	4000	40
9	COMMUNITY TANKS	40	20	40	20	40	20	40	20	40	20	160	80
10	VERMI-COMPOST UNIT	30	7	30	7	30	7	30	7	30	7	120	28
11	CAPACITY BUILDING	25	13	24	12	24	12	24	12	24	12	98	49
12	GREEN NET HOUSE	60	7	60	7	60	7	60	7	60	7	240	28
	TOTAL	0	0	2192.5	169.5	2191.5	168	2191.5	168	2192.5	168	8768	673.5

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	WATER HARVESTING POND	50	90	40	72	30	54	25	45	145	261		
2	CHECK DAM	84	42	59	29.5	41	20.5	22	11	206	103		
3	GABIAN EMBANKMENT	100	23	40	9.2	30	6.9	50	11.5	220	50.6		
4	CONSTRUCTION OF SPURS	71	12.07	59	10.03	40	6.8	26	4.42	196	33.32		
5	SOIL TESTING LABORATORY	1	30.1							1	30.1		
6	VERMI COMPOST	60	30	50	25	40	20	28	14	178	89		
7	CONTOUR TREATMENT	50	40	35	28	30	24	25	20	140	112		
	TOTAL	0	0	416	267	283	174	211	132	176	106	1086	679.02

D. VETERINARY & ANIMAL HUSBANDRY

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	LIVE STOCK PRODUCTION AND MANAGEMENT	510	112	505	112	505	112	505	112	505	112	2025	448
2	FODDER PRODUCTION	35	8	35	8	35	8	35	8	35	8	140	32
3	ANIMAL HEALTH CARE	3	12	3	12	3	12	3	12	3	12	12	48
4	CAPACITY BUILDING	20	20.5	20	20.5	20	20.5	20	20.5	20	20.5	80	82
5	STRENGTHENING OF HEALTH INSTITUTION	2	6	2	6	2	6	2	6	2	6	8	24
6	STRENGTHENING FARM INSTITUTE	3	8.5	3	8.5	3	8.5	3	8.5	3	8.5	12	34
7	VETERINARY FIELD TRAINING INSTITUTE	1	5	1	5	1	5	1	5	1	5	4	20
	TOTAL	0	0	574	172	569	172	569	172	569	172	2281	688

E. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	1730	258.5	2700	298	1700	184	950	134.5	950	134.5	7080	875
2	ASSISTANCE FOR IMPROVEMENT OF BREED	12	2.58	24	5.16	12	2.58	12	2.58	12	2.58	60	12.9
3	DEVELOPMENT OF STREAM FISHERIES	100	2.5	63	4.2	63	3.8	63	3.8	63	3.8	289	14.3
4	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	1220	106.6	1220	106.6	1220	106.6	1220	106.6	1220	106.6	4880	426.4
5	CAPACITY BUILDING	603	33	803	43.5	403	22.5	203	12	203	12	2012	111
6	SWAMPY/MARSHY	19	42.7	417	51.9	400	9.1	400	9.1	400	9.1	1236	112.8
7	LAKE RENOVATION	40.05	24.8	40.072	35.8	20.027	20.15	1.20.101	12.8	1.20.101	12.8	100.149	93.55
	TOTAL	0	0	3724.1	470.68	5267.1	545.16	3818	348.73	2848	281.38	15657.1	1645.95

F. SERICULTURE

SL.

NO.

COMPONENT

2012-13

P

F

2013-14

P

F

2014-15

P

F

2015-16

P

F

2016-17

P

F

TOTAL

1	AUGMENTATION OF ERI HOST PLANT AND REARING OF ERI SILKWORM	100	45	100	45	100	45	100	45	100	45	400	180
2	AUGMENTATION OF MUGA FOOD PLANT AND REARING OF MUGA SILKWORM	100	20.5	100	20.5	100	20.5	100	20.5	100	20.5	400	82
3	ESTABLISHMENT OF ERI GRAINAGE											1	7.54
4	ESTABLISHMENT OF MUGA GRAINAGE/STORAGE											1	6.88
5	DEVELOPMENT OF KESSERU (ERI) SILKWORM HOST PLANT NURSERY)	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	4	6
6	DEVELOPMENT OF MUGAHOST PLANT NURSERY (SOM)	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	4	6
7	SILK PEST MANAGEMENT	2	1	2	1	2	1	2	1	2	1	8	4
8	FARMERS TOUR/FIELD TRIPS	2	3.6	2	3.6	2	3.6	2	3.6	2	3.6	8	14.4
9	MARKE DEVELOPMENT / INFRASTRUCTURE											0	0
10	ADOPTED SEED REARERS											0	0
11	CAPACITY BUILDING/EXHIBITION											4	4
	TOTAL:	207	74.1	207	74.1	207	74.1	209	88.52	0	0	830	310.82

G. LAND RESOURCE DEPARTMENT

SL. NO.	COMPONENT	2012-13	2013-14	2014-15	2015-16	2016-17	TOTAL
1	EXPOSURE TOUR		P F	P F	P F	P F	P F
2	AFORESTATION / AGROFORESTRY/SANDAL WOOD	150	45	150	45	100	30
3	FARM MACHINERIES	4	3.6	4	3.6	4	3.6
4	WORK COMPONENTS FOR LEMON GRASS	150	45	150	45	100	30
5	WORK COMPONENTS FOR AGAR SUGARCANE						0
6	WORK COMPONENTS FOR CAPACITY BUILDING	0	0	520	264.6	320	157.6
	TOTAL:	0	0	520	264.6	326	157.6

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL		
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
1	D/WEIR	100.00	LS	300	LS	260	LS	310	LS	240		0	1210	0	1210	0	1210		
	TOTAL	0	100	0	300	0	260	0	310	0	240	0	948	115.75	948	115.75	3742	463	

I COOPERATION

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL		
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
1	PRODUCTION OF FOOD CROPS/HANDLOOM	25	14	25	14	25	14	25	14	25	14	25	14	25	14	100	56		
2	OLERICULTUE	100	15	100	15	100	15	100	15	100	15	100	15	100	15	400	60		
3	FLORICULTURE	25	2.5	25	2.5	50	2.5	50	2.5	50	2.5	50	2.5	50	2.5	150	10		
4	DAIRY	75	10	75	10	75	10	75	10	75	10	75	10	75	10	300	40		
5	PIGGERY	50	10	50	10	50	10	50	10	50	10	50	10	50	10	200	40		
6	FARM HANDLING UNIT	20	6	20	6	20	6	20	6	20	6	20	6	20	6	80	24		
7	TOOLS & IMPLEMENTS	200	10	200	10	200	10	200	10	200	10	200	10	200	10	800	40		
8	CAPACITY BUILDING	78	9	78	9	78	9	78	9	78	9	78	9	78	9	312	36		
9	HORTICULTURE	350	39.25	350	39.25	350	39.25	350	39.25	350	39.25	350	39.25	350	39.25	1400	157		
	TOTAL	0	0	923	115.75	923	115.75	923	115.75	948	115.75	948	115.75	948	115.75	3742	463		

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL			
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F			
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	40	21.4	40	21.4	40	21.4	40	21.4	30	20.4	30	20.4	30	20.4	30	20.4	180	105	
2	CAPACITY BUILDING	36	20	36	20	36	20	38	21.25	36	20	36	20	36	20	36	20	182	101.25	
3	PULSES DEVELOPMENT PROGRAMME	10	3	10	3	10	3	10	3	10	3	10	3	10	3	10	3	0	0	
4	OILSEED DEVELOPMENT PROGRAMME	202	61	202	61	202	61	202	61	202	61	202	61	202	61	202	61	1010	305	
5	CASH CROP DEVELOPMENT	50	14	50	14	50	14	50	14	50	14	50	14	50	14	50	14	250	70	
6	SEED PRODUCTION PROGRAMME	2	6	6	24	5	21	6	24	5	24	5	24	5	24	5	24	24	196	
7	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	150	40	150	40	150	40	151	65	151	65	150	65	150	65	150	65	752	250	
8	FARM MECHANIZATION	10	2.5	10	2.5	10	2.5	10	2.5	10	2.5	10	2.5	10	2.5	10	2.5	50	12.5	
9	PROMOTION OF ORGANIC FARMING	240	18	240	18	240	18	240	18	240	18	240	18	240	18	240	18	1200	90	
10	BALANCE & INTEGRATED USE OF FERTILIZER & INM	216	4.2	216	4.2	216	4.2	216	4.2	216	4.2	216	4.2	216	4.2	216	4.2	1080	20.6	
11	PROMOTION OF IPM & PLANT PROTECTION (IPM)	320	104	320	104	320	104	320	104	320	104	320	104	320	104	320	104	1600	520	
12	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM FALLOW MANAGEMENT	40	4	42	5	42	5	42	5	42	5	42	5	42	5	42	5	208	24	
13	SUGARCANE DEVELOPMENT	100	26	100	26	100	26	100	26	100	26	100	26	100	26	100	26	500	130	
14	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	1000	30	1000	30	1000	30	1000	30	1000	30	1000	30	1000	30	1000	30	5000	150	
15	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE	120	71	120	71	120	71	120	71	120	71	120	71	120	71	120	71	600	355	
16	FARM WATER MANAGEMENT & LAND SHAPING	7	3.5	8	8.5	1009	29	9	13.5	8	13.5	8	13.5	8	13.5	8	13.5	1041	63	
17	STRENGTHENING OF INSTITUTE & RESEARCH CENTRE	20	34	16	36	14	36	14	36	14	36	14	36	14	36	14	36	78	174	
18	ADMINISTRATIVE COST	34	13.6	34	13.6	34	13.6	34	13.6	34	13.6	34	13.6	34	13.6	34	13.6	168	68	
19	INNOVATIVE ACTIVITY	TOTAL	2597	476.2	2600	502.2	3599	544.7	2592	532.45	2585	598.8	2593	598.8	2593	598.8	2593	598.8	13973	2654.35

B. HORTICULTURE

State Agriculture Plan 2012-17

GOVERNMENT OF NAGALAND

DEPARTMENT OF AGRICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	POST HARVEST MANAGEMENT	4	4	4	4	4	4	4	4	4	4	20	20
2	PROMOTION OF MICRO IRRIGATION	180	27.8	180	27.8	180	27.8	180	27.8	180	27.8	900	139
3	TOOLS, IMPLEMENTS & TRELLIS	20	0.6	20	0.6	20	0.6	20	0.6	20	0.6	100	3
4	FARMERS TRAINING/EXPOSURE TOURS	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	10	7.5
5	COMMUNITY TANKS	4	4	4	4	4	4	4	4	4	4	20	20
6	VERMI-COMPOST UNIT	10	5	10	5	10	5	10	5	10	5	50	25
	TOTAL	220	42.9	1100	214.5								

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	WATER HARVESTING POND	28	57	28	57	28	57	28	57	28	57	140	285
2	CONSTRUCTION OF SPURS	6	0.6	6	0.6	6	0.6	6	0.6	6	0.6	30	3
3	BASIC ACTIVITIES	2	13	2	13	2	13	2	13	2	13	10	65
4	LANDSLIDE CONTROL	8093	128	8093	128	8093	128	8093	128	8096	131.6	40468	643.6
5	BENCH TERRACE	83	50	83	50	83	50	80	49	83	50	412	249
	TOTAL	8212	249	8212	249	8209	248	8215	252	8209	248	41060	1245.6

D. VETY, & ANIMAL HUSBANDRY

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	LIVE STOCK PRODUCTION AND MANAGEMENT					77	37.75	77	37.75	77	37.75	231
2	FODDER PRODUCTION					5	1.5	5	1.5	5	1.5	15
3	CAPACITY BUILDING					82	3.12	82	3.12	82	3.12	246
4	STRENGTHENING OF HEALTH INSTITUTION					2	6	2	6	2	6	18
5	STRENGTHENING FARM INSTITUTE					2	6	2	6	2	6	18
	TOTAL	0	0	0	0	168	54.37	168	54.37	168	54.37	504
												163.11

E. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	5	13.75	2.5	6.88	2.27	6.243	5	13.75	6	16.5	20.77
2	MAGUR CULTURE/REARING									3	6	3
3	PRAWN CULTURE/REARING									1	12	1
4	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	10	14	28	6.5	13	9.5	19	50	100
5	CAPACITY BUILDING									35	3.5	8.5
6	PROMOTION OF FARM EQUIPMENT									50	6.4	90
7	FISHERIES DEVELOPMENT MARKETING/POST									2	10	2
8	DEVELOPMENT OF ORNAMENTAL FISHERIES									1	7	2
9	ECONOMIC TOURISM FISHERIES											10
10	DISTRIBUTION OF FISH SEEDS											0
	TOTAL	15	33.75	62.5	31.88	16.27	34.24	52.5	38.87	117.5	82.7	273.77
												221.44

DEPARTMENT OF AGRICULTURE

F. SERICULTURE

State Agriculture Plan 2012-17

GOVERNMENT OF NAGALAND

DEPARTMENT OF AGRICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	AUGMENTATION OF ERI HOST PLANT AND REARING OF ERI SILKWORM	50	32.75	50	32.75	50	32.75	50	32.75	50	32.75	250
2	ESTABLISHMENT OF ERI GRAINAGE	2	4.8	2	4.8	2	4.8	2	4.8	2	4.8	10
3	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)	1	0.51	1	0.51	1	0.51	1	0.51	1	0.51	5
4	FARMERS TOUR/FIELD TRIPS	3	2	3	2	3	2	3	2	3	2	15
5	MARKET DEVELOPMENT/ INFRASTRUCTURE	1	2	1	2	1	2	1	2	1	2	5
6	ADOPTED SEED REARERS	20	3.2	20	3.2	20	3.2	20	3.2	20	3.2	16
7	CAPACITY BUILDING/EXHIBITION	1	1	1	1	1	1	1	1	1	1	5
	TOTAL:	78	46.26	390								
												231.3

G. LAND RESOURCE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WORK COMPONENTS FOR AGAR					4	20					4
2	WORK COMPONENTS FOR SUGARCANE							20	24	20	24	48
3	TREE TOMATO	20	8	20	8							40
4	TREE BEANS	20	8	20	8							40
	TOTAL:	40	16	40	16	4	20	20	24	20	24	124
												100

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	MINOR IRRIGATION PROGRAMME	20	40	20	40	20	40	20	40	20	40	200
	TOTAL	20	40	20	40	20	40	20	40	20	40	200

I. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	RURAL STORAGE GODOWN					400	80	400	80	200	40	1000
2	MOBILIZATION OF FARMERS					236	50.5	236	50	236	50.5	708
	TOTAL	0	0	0	0	636	130.5	636	130	436	90.5	1708
												351

A. AGRICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	1660	56.73	1972	68.185	2390	85.05	2600	101.69	3210	118.34	11832	430
2	CAPACITY BUILDING	32	3.7	35	4.38	36	5.31	33	5.92	53	6.79	189	26.1
3	PULSES DEVELOPMENT PROGRAMME	5	1.9	65	2.54	70	2.73	75	2.93	80	3.12	295	13.22
4	OILSEED DEVELOPMENT PROGRAMME					0.65	125	0.81	140	0.91	165	1.07	430
5	CASH CROP DEVELOPMENT	160	61.5	195	78.75	197	82.05	240	99	245	107.25	1037	428.55
6	SEED PRODUCTION PROGRAMME	110	32	140	41	165	49.5	195	58.5	225	67	835	248
7	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS			31	176.4	53	261.5	47	416	19	95	150	948.9
8	FARM MECHANIZATION	129	13.7	165	21.85	186	24.65	205	29.2	73	31.6	758	121
9	PROMOTION OF ORGANIC FARMING	90	21.9	105	25.55	115	28.15	130	31.35	145	35	585	141.95
10	BALANCE & INTEGRATED USE OF FERTILIZER & INM	10	4	15	6	18	7.2	20	8	20	8	83	33.2
11	PROMOTION OF IPM & PLANT PROTECTION (IPM)	20	12	31	38	45	27	51	50	61	56	208	183
12	SUGARCANE DEVELOPMENT	70	21	90	27	100	30	125	37.5	150	45	535	160.5
13	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	3003	231	4003	238	5004	315	6004	322	7005	399	25019	1505
14	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE			1300	2.6	1400	2.8	1450	2.9	1550	3.1	5700	11.4
15	FARMWATER MANAGEMENT & LAND SHAPING	215	62.5	270	81	310	127	380	117.5	460	149	1635	537
16	TEA PROGRAMME			15	300	50	100	70	14	35	7	170	421
17	INNOVATIVE ACTIVITY			54	12	76	17	98	22	50	13	278	64
18	FARM DEVELOPMENT			176	365.26	293	147.43	17	42.18	6	80	492	634.87
	TOTAL	5504	521.93	8662	1489.17	10633	1313.18	11880	1361.58	13552	1225.27	50231	5911.13

B. HORTICULTURE

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	MUSHROOM DEVELOPMENT			10	2	10	2	20	4	20	4	60
2	PROMOTION OF MICRO IRRIGATION			5	7.4	5	7	5	7.4	5	7.4	20
3	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS			1245	209	1245	209	1155	191	1055	171	4700
4	OPEN FIELD VEGETABLE CULTIVATION					50	10	50	10	50	10	200
	TOTAL	0	0	1310	228.4	1310	228	1230	212.4	1130	192.4	4980
												861.2

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WATER HARVESTING POND			45	40.5	40	36	40	35	45	40.5	170
2	CHECK DAM			30	7.5	30	7.6	30	7.5	35	8.75	125
3	GABION EMBANKMENT			12	5.4	20	9	20	9	25	11.25	77
4	CONSTRUCTION OF SPURS			15	3.75	15	3.75	20	5	20	5	70
5	CONTOUR TREATMENT			60	1.2	60	1.2	60	1.2	80	1.6	260
6	BASIC ACTIVITIES											0
7	GRADED CONTOUR TRENCHING			70	1.4	75	1.5	80	1.6	85	1.7	310
8	SBEC			30	7.5	30	7.5	35	8.75	40	10	135
	TOTAL	0	0	232	67.25	240	66.55	285	68.05	330	78.8	1147
												280.65

D. VET & ANIMAL HUSBANDRY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	LIVE STOCK PRODUCTION AND MANAGEMENT	107	26.07	112	28.49	119	30.9	126	33.3			464
2	FODDER PRODUCTION	30	7.8	31	8.06	32	8.32	33	8.58			126
3	CAPACITY BUILDING	11	6	11	6	11	6	11	6			44
4	STRENGTHENING OF HEALTH INSTITUTION	2	6	3	9	4	12	5	15			14
5	STRENGTHENING FARM INSTITUTE	4	16.2	5	20.25	6	24.3	7	28.35			22
	TOTAL	154	62.07	162	71.8	172	81.52	182	91.23	0	0	670
												306.62

E. FISHERY

State Agriculture Plan 2012-17

GOVERNMENT OF NAGALAND

DEPARTMENT OF AGRICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	DEVELOPMENT OF STREAM FISHERIES	3.5	9.63			2.27	6.24	5	13.75	5	13.75	43.37
2	PRAWN CULTURE/REARING									3	6	3
3	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	10	20	14	28	6.5	13	9.5	19	50
4	CAPACITY BUILDING							40	5.12	60	7.68	100
5	PROMOTION OF FARM EQUIPMENT	1	23									1
6	FISHERIES DEVELOPMENT MARKETING/POST											23
7	ECONOMIC TOURISM FISHERIES									1	7	1
8	LAKE RENOVATION	48	200									7
9	DISTRIBUTION OF FISH SEEDS	6	1.38							4	0.92	10
	TOTAL:	68.5	254.01	10	20	16.27	34.24	51.5	31.87	82.5	55.35	238.77
												395.47

F. SERICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	AUGMENTATION OF ERTHOST PLANT AND REARING OF ERI SILKWORM			200	130	200	130	200	130	200	130	800
2	ESTABLISHMENT OF ERI GRAINAGE			1	2.5	1	2.5	1	2.5	1	2.5	4
3	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)			2	1.5	2	1.5	2	1.5	2	1.5	8
4	FARMERS TOUR/FIELD TRIPS			2	1.8	2	1.8	2	1.8	2	1.8	8
5	CAPACITY BUILDING			1	1	1	1	1	1	1	1	4
	TOTAL:	0	0	206	136.8	206	136.8	206	136.8	206	136.8	824
												547.2

A. AGRICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	110	8.1	100	7.4	130	9.5	130	9.5	180	13.2	650	47.7
2	CAPACITY BUILDING	46	36	46	36	46	36	62	50	78	60	278	218
3	PULSES DEVELOPMENT PROGRAMME	100	10.5	120	11.7	120	12.5	120	12.5	167	17.6	627	64.8
4	OILSEED DEVELOPMENT PROGRAMME	60	7.8	70	9	60	7.8	60	7.8	90	11.7	7	44.1
5	CASH CROP DEVELOPMENT	80	17	90	17.5	100	18	120	32	180	61	570	145.5
6	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	26	46.6	32	49.6	36	51.6	40	52.4	48	73.2	182	273.4
7	FARM MECHANIZATION	78	19.99	94	24.06	111	26.71	132	36.12	161	51.43	576	158.31
8	PROMOTION OF ORGANIC FARMING	20	7.6	31	12.4	44	19.2	52	24.4	66	30.8	213	94.4
9	BALANCE & INTEGRATED USE OF FERTILIZER & INM	20	7	20	7	30	10.5	40	14	50	17.5	160	56
10	PROMOTION OF IPM & PLANT PROTECTION (IPM)	46	15	74	18.5	78	19.7	80	20.5	108	28	386	101.7
11	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM FALLOW MANAGEMENT	2	1.5	2	1.5	2	1.5	6	4.5	5	6	17	15
12	SOIL HEALTH MANAGEMENT	10	1	10	1	10	1	15	1.5	18	1.8	63	6.3
13	SUGARCANE DEVELOPMENT	24	192	20	126	28	200	20	184	27	199.5	119	901.5
14	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	656	3.66	813	4.41	974	5.25	1139	6.19	1038	7.23	4620	26.74
15	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE	154	194	188	224	192	234	212	250	230	280	976	1182
16	STRENGTHENING OF INSTITUTE & RESEARCH CENTRE	4				5		7		5	9	0	30
	TOTAL	1432	571.75	1710	555.07	1961	660.26	2228	710.41	2446	867.96	9444	3365.45

B. HORTICULTURE

State Agriculture Plan 2012-17

GOVERNMENT OF NAGALAND

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	POST HARVEST MANAGEMENT		5	0.5	5	0.5	5	0.5	5	0.5	5	20
2	FARM HANDLING UNITS	100	50	100	50	100	50	100	50	100	50	200
3	BEE KEEPING	250	2.5	250	2.5	250	2.5	250	2.5	250	2.5	100
4	TOOLS, IMPLEMENTS & TRELLIS	350	27.5	350	27.5	350	27.5	350	27.5	350	27.5	110
5	SETTING UP OF VEGETABLE VILLAGE	4	18	4	18	4	18	4	18	4	18	72
6	COMMUNITY TANKS	100	100	100	100	100	100	100	100	100	100	400
7	VERMI-COMPOST UNIT	100	30	100	30	100	30	100	30	100	30	120
8	PLANTING MATERIALS	500	57.75	500	57.75	500	550	60.25	550	60.25	550	2100
9	TERRACE DEVELOPMENT	200	5.5	200	5.5	200	5.5	250	6.75	250	6.75	900
10	PACKAGING MATERIALS	2500	1.25	2500	1.25	2500	1.25	2500	1.25	2500	1.25	10000
11	CAPACITY BUILDING	5	25	5	25	5	25	5	25	5	25	100
	TOTAL	0	0	4114	318	4114	318	4214	321.75	4214	321.75	16656
												1279.5

C. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	3.53	9.7075	3	8.25	2.27	6.2425			10	27.5	18.8
2	DEVELOPMENT OF STREAM FISHERIES			16	50							51.7
3	MAGUR CULTURE/REARING											16
4	PRAWN CULTURE/REARING											50
5	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	20	14	28	6.5	13	9.5	19	50	100
6	CAPACITY BUILDING											3.5
7	PROMOTION OF FARM EQUIPMENT											3.5
8	FISHERIES DEVELOPMENT MARKETING/POST											10
9	COLD WATER FISHERIES	1.5	15									2
10	ECONOMIC TOURISM FISHERIES	6	1.38									65
11	DISTRIBUTION OF FISH SEEDS											20
	TOTAL	21.03	46.09	29	78.25	16.27	34.24	46.5	18.12	117.5	155.32	332.02
												238.3

DEPARTMENT OF AGRICULTURE

D. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	CO-OPERATIVE CREDIT LINKAGE TO MARGINAL FARMERS			250	50	250	50	250	50	250	50	1000	200
2	MULTIPURPOSE MINI COLD STORAGE			1	75	1	75	1	75	1	75	4	300
3	RURAL STORAGE GODOWN			1	50	1	50					2	100
4	SKILL UP-GRADATION					841	321.8	841	321.8	841	321.8	2523	965.4
	TOTAL	0	0	252	175	1093	496.8	1092	446.8	1092	446.8	3529	1565.4

A. AGRICULTURE

ANNEXURE - 5

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS			14740	100.4	15000	102.3	15350	105.3	15700	108.6	60790 416.6
2	INTEGRATED CEREAL DEVELOPMENT PROGRAMME (ICDP)			32	14.2	32	14.2	32	14.2	32	14.2	128 56.8
3	CAPACITY BUILDING			510	9.435	600	11.1	700	13.2	815	15.39	2625 49.13
4	PULSES DEVELOPMENT PROGRAMME			1310	27.11	1430	30.14	1580	31.62	1730	34.05	6050 122.92
5	OILSEED DEVELOPMENT PROGRAMME			280	111	280	111	280	111	280	111	1120 444
6	CASH CROP DEVELOPMENT			40	9.5	40	9.5	40	9.5	40	9.5	160 38
7	FARM MECHANIZATION			253	65.3	253	65.3	252	60.3	252	59.6	1010 250.5
8	PROMOTION OF ORGANIC FARMING			660	21	260	21	260	21	260	21	1440 84
9	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM FALLOW MANAGEMENT			100	30	300	90	300	90	300	90	1000 300
10	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD			3	6	6	156	6	156	6	156	21 474
11	FARM WATER MANAGEMENT & LAND SHAPING			100	25	300	75	200	50	200	50	800 200
12	ADMINISTRATIVE COST			4	3.2	4	3.2	4	3.2	4	3.2	16 12.8
13	TEA PROGRAMME			1	6	2	45.2	1	5.2	1	5.2	5 61.6
14	FARM DEVELOPMENT			19	25.4	1203	3.11	1202	2.31	1200	1.71	3624 32.53
	TOTAL	0	0	18052	453.55	19710	737.05	20207	672.83	20820	679.45	78789 2542.88

B. HORTICULTURE

Sl. No.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	POST HARVEST MANAGEMENT		2	20	2	20	2	20	2	20	2	80	
2	PROMOTION OF MICRO IRRIGATION	605	87.4	605	84.5	655	91	655	91	2520	353.9		
TOTAL		0	0	607	107.4	607	104.5	657	111	657	111	2528	433.9

C. SOIL & WATER CONSERVATION

Sl. No.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	WATER HARVESTING POND	56	101.52	56	101.52	56	101.52	56	101.52	56	101.52	280	507.6
2	CHIECK DAM	60	34.56	60	34.56	60	34.56	60	34.56	60	34.56	300	172.8
3	GABIAN EMBANKMENT	120	32.65	120	32.65	120	32.65	120	32.65	120	32.65	600	163.25
4	CONSTRUCTION OF SPURS	80	15.52	80	15.52	80	15.52	80	15.52	80	15.52	400	77.6
TOTAL		316	184	1580	921.25								

D. VETY & ANIMAL HUSBANDRY

Sl. No.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	LIVE STOCK PRODUCTION AND MANAGEMENT	658	192.9	658	196.97	658	199.06	658	207.45	658	211.113	3290	1007.49
2	FODDER PRODUCTION	300	90	300	94.5	300	96.75	300	99	300	101.25	1500	481.5
3	ANIMAL HEALTH CARE	1	5	1	5.25	1	5.375	1	5.5	1	5.625	5	26.75
4	CAPACITY BUILDING	1	7	1	7.35	1	7.525	1	7.7	1	7.875	5	37.45
5	STRENGTHENING OF HEALTH INSTITUTION	2	9	2	9.45	2	9.67	2	9.9	2	10.12	10	48.14
6	STRENGTHENING FARM INSTITUTE	2	9.76	2	10.25	2	10.49	2	10.73	2	10.98	10	52.21
TOTAL		964	313.66	964	323.77	964	328.87	964	340.28	964	346.96	4820	1653.54

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES		100	114.4		200	228.8	100	114.4			400 457.6	
2	ASSISTANCE FOR IMPROVEMENT OF BREED		11	2.58	22	5.16	11	2.58	11	2.58	55	12.9	
3	DEVELOPMENT OF STREAM FISHERIES		30	13.45	240	25.9	30	12.45			300	51.8	
4	CAPACITY BUILDING		220	11.56	400	21	100	5.25	100	5.25	820	43.06	
5	ECONOMIC TOURISM FISHERIES										10	0	
6	LAKE RENOVATION		9	22.26	9	27.76	4	10.52	2	5.02	24	65.56	
7	DISTRIBUTION OF FISH SEEDS		110	65.52	110	65.54	110	65.52	110	65.52	440	262.1	
	TOTAL:	0	0	480	229.77	981	374.16	355	210.72	223	78.37	2049	893.02

F. SERICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	AUGMENTATION OF ERIHOST PLANT AND REARING OF ERI SILKWORM		50	6.25	50	6.25	50	6.25	50	6.25	50	25	
2	ESTABLISHMENT OF ERI GRAINAGE							1	8			1 8	
3	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)		1	0.75	1	0.75	1	0.75	1	0.75	1	3	
4	MARKET DEVELOPMENT / INFRASTRUCTURE		1	1.5	1	1.5	1	1.5	1	1.5	4	6	
5	CAPACITY BUILDING/EXHIBITION		2	3	2	3	3	4.5	3	4.5	10	15	
6	TOOLS/IMPLEMENTATION/ REARING / APPLIANCE		50	17.5	50	17.5	50	17.5	50	17.5	200	70	
	TOTAL:	0	0	104	29	104	29	106	38.5	105	30.5	419	127

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	CONTOUR BUND			40	12	50	15	40	12	50	15	180
2	BENCHTERRACING			30	6	40	8	40	8	40	8	150
3	WATER HARVESTING STRUCTURE			50	25	30	15	40	20	40	20	160
4	EXPOSURE TOUR			7	2.8	13	5.2	5	2	5	2	30
5	LAND REFORMS			70	30	70	33	70	27	60	27	270
6	FRUITS DEVELOPMENT			165	53.5	130	42.5	170	54	145	46	610
7	AFORESTATION/ AGROFORESTRY/ SANDAL WOOD			75	30	60	24	65	26	80	32	280
8	CAPACITY BUILDING			10	3	8	2.4	12	3.6	10	3	40
TOTAL:		0	0	447	162.3	401	145.1	442	152.6	430	153	1720
												613

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL		
		P	F	P	P	F	P	P	F	P	P	F	P	F	P	F	P	F	
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	300	45	300	45	300	45	550	82.5	650	97.5	2100	315						
2	CAPACITY BUILDING	14	10	14	10	14	10	14	10	14	10	14	10	70	50				
3	PULSES DEVELOPMENT PROGRAMME	50	6	50	6	50	6	50	6	50	6	50	6	250	30				
4	OILSEED DEVELOPMENT PROGRAMME	100	12	100	12	100	12	100	12	100	12	100	12	500	60				
5	CASH CROP DEVELOPMENT	50	7.5	50	7.5	50	7.5	50	7.5	50	7.5	50	7.5	250	37.5				
6	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	4	25	4	25	4	25	7	243	6	43	25				361			
7	FARM MECHANIZATION	20	15.6	20	15.6	20	15.6	29	20.7	32	24	121				91.5			
8	PROMOTION OF ORGANIC FARMING	153	30.5	153	30.5	153	30.5	153	30.5	153	30.5	153	30.5	765	152.5				
9	BALANCE & INTEGRATED USE OF FERTILIZER & INM	100	5	100	5	100	5	200	10	200	10	200	10	700	35				
10	PROMOTION OF IPM & PLANT PROTECTION (IPM)	5	2.5	5	2.5	5	2.5	5	2.5	5	2.5	5	2.5	25	25	12.5			
11	SUGARCANE DEVELOPMENT	50	12.5	50	12.5	50	12.5	50	12.5	50	12.5	50	12.5	250	62.5				
12	POWER TILLER PATH & APPROACH ROAD AGRILINK ROAD	31	221.5	25	199	25	179.5	24	169.5	32	227	137				996.5			
13	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE	980	3.42	980	3.42	980	3.42	990	3.57	990	3.57	990	3.57	4920	17.4				
14	FARM WATER MANAGEMENT & LAND SHAPING	150	45	150	45	150	45	250	75	300	90	1000	300						
15	ADMINISTRATIVE COST		5		5		5		5		6		0	26					
16	INNOVATIVE ACTIVITY									30	1	30	1	60					
	TOTAL	2007	446.52	2001	424.02	2001	404.52	2472	720.27	2633	612.07	11114	2607.4						

B. HORTICULTURE

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	POST HARVEST MANAGEMENT	5	60	5	60	5	60	5	60	10	120	30
2	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	440	100.25	440	100.25	450	100.27	719	154.7	1080	213	3129
3	FARM HANDLING UNITS	10	5	20	10	20	10	20	10	30	15	100
4	FARMERS TRAINING/ EXPOSURE TOURS	23	15.5	23	15.5	24	18	24	18	26	23	120
5	SETTING UP OF VEGETABLE VILLAGE	2	8	2	8	3	12	3	12	5	20	15
6	COMMUNITY TANKS	10	10	10	10	10	10	10	10	20	20	60
7	VERMI-COMPOST UNIT	30	1.5	30	1.5	40	2	40	2	60	3	200
8	SECURITY FENCING	200	7	200	7	300	10.5	300	10.5	500	17.5	1500
9	HORTI LINK ROADS	3	120	3	120	4	160	4	160	6	240	20
	TOTAL	723	327.25	733	332.25	856	382.77	1125	437.2	1737	671.5	5174
												2150.97

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WATER HARVESTING POND	50	90	48	86.4	47	84.6	50	90	45	81	240
2	CHECK DAM	52	26	45	22.5	45	22.5	48	24	50	25	240
3	GABIAN EMBANKMENT	70	16.1	68	15.64	65	14.95	70	16.1	62	14.26	335
4	CONSTRUCTION OF SPURS	23	3.91	20	3.4	22	3.74	25	4.25	28	4.76	118
5	BASIC ACTIVITIES	1	5.6									1
	TOTAL	196	142	181	128	179	126	193	134	185	125	934
												654.71

D. VETY & ANIMAL HUSBANDRY

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	LIVE STOCK PRODUCTION AND MANAGEMENT	56	21.06	56	21.06	56	21.06	56	21.06	56	21.06	280	105.3
2	FODDER PRODUCTION	15	3.9	15	3.9	15	3.9	15	3.9	15	3.9	75	19.5
3	ANIMAL HEALTH CARE	1		1		1		1		1		0	5
4	CAPACITY BUILDING	5		5		5		5		5		0	25
5	STRENGTHENING OF HEALTH INSTITUTION	2	6	2	6	2	6	2	6	2	6	10	30
6	STRENGTHENING FARM INSTITUTE	2	8.1	2	8.1	2	8.1	2	8.1	2	8.2	10	40.6
	TOTAL	75	45.06	75	45.06	75	45.06	75	45.06	75	45.16	375	225.4

E. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	3.11	8.55			2.27	6.24	5	13.75	5	13.75	15.38	42.29
2	MAGUR CULTURE/REARING									1	12	1	12
3	PRAWN CULTURE/REARING	2.5	5							3	6	5.5	11
4	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	6	1.38							4	0.92	10	2.3
5	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	10	20	14	28	10	20	6	12	50	100
6	CAPACITY BUILDING									35	3.5	35	3.5
7	PROMOTION OF FARM EQUIPMENT							40	5.12	50	6.4	90	11.52
8	FISHERIES DEVELOPMENT MARKETING/POST									2	10	2	
9	DEVELOPMENT OF ORNAMENTAL FISHERIES									1	7	1	
10	STRENGTHENING OF DEMONSTRATION FARMS									1	100	1	100
11	ECONOMIC TOURISM FISHERIES										10	0	
	TOTAL	21.61	34.93	10	20	16.27	34.24	55	38.87	105	157.57	234.88	285.61

F. SERICULTURE

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL		
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
1	AUGMENTATION OF ERTHOST PLANT AND REARING OF ERI SILKWORM	40	18	40	18	40	18	40	18	40	18	40	18	40	18	200	90		
2	AUGMENTATION OF MUGA FOOD PLANT AND REARING OF MUGA SILKWORM	40	8.2	40	8.2	40	8.2	40	8.2	40	8.2	40	8.2	40	8.2	200	41		
3	ESTABLISHMENT OF ERI GRAINAGE									1	7.5	1	7.5	1	7.5	2	15		
4	ESTABLISHMENT OF MUGA GRAINAGE/STORAGE									1	7.5	1	7.5	1	7.5	2	15		
5	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	5	7.5		
6	DEVELOPMENT OF MUGA HOST PLANT NURSERY (SOM)	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	5	7.5		
7	SILK PEST MANAGEMENT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	10	5		
8	FARMERS TOUR/FIELD TRIPS	1	1.8	1	1.8	1	1.8	1	1.8	1	1.8	1	1.8	1	1.8	5	9		
	TOTAL:	85	32	85	32	85	32	87	32	87	47	87	47	87	47	429	190		

G LAND RESOURCE

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL		
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
1	WORK COMPONENTS FOR LEMON GRASS	10	5	10	5	10	5	10	5	10	5	10	5	10	5	50	25		
2	NURSERY (RAISING)	10	5	10	5	10	5	10	5	10	5	10	5	10	5	50	25		
3	SHG	10	1	10	1	10	1	10	1	10	1	10	1	10	1	50	5		
4	CONSTRUCTION OF GODOWN/ STORE	3	4	3	4	3	4	4	4	4	4.5	4	4.5	4	4.5	17	21		
5	CONSTRUCTION OF APPROACH ROAD/FENCING	50	30	50	30	50	30	50	30	50	30	50	30	50	30	250	150		
6	CAPACITY BUILDING	100	10	100	10	100	10	100	10	100	10	100	10	100	10	500	50		
7	BIO-FERTILIZER (VERMI-COMPOST)	50	1	50	1	50	1	50	1	50	1	50	1	50	1	250	5		
8	LAND SHAPING	110	65	110	65	110	65	110	65	110	65	110	65	110	65	550	325		
9	APICULTURE	100	1	100	1	100	1	100	1	100	1	100	1	100	1	500	5		
	TOTAL:	443	122	443	122	443	122	444	122	444	122.5	444	122.5	444	122.5	2217	611		

H. IRRIGATION & FLOOD CONTROL

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	MINOR IRRIGATION PROGRAMME	50	125	75	187.5	100	250	150	375	150	375	525
	TOTAL	50	125	75	187.5	100	250	150	375	150	375	525

I. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	CO-OPERATIVE CREDIT LINKAGE TO MARGINAL FARMERS	200	40	200	40	200	40	200	40	200	40	1000
2	MULTIPURPOSE MINI COLD STORAGE			1	75	1	75	1	75	1	75	4
3	RURAL STORAGE GODOWN	1	50	1	50							100
4	SKILL UP-GRADATION	504	193.08	504	193.08	504	193.08	504	193.08	504	193.08	2520
	TOTAL	705	283.08	706	358.08	705	308.08	705	308.08	705	308.08	3526
												1565.4

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	450	4.5	670	6.7	880	8.8	1100	11	3100	31		
2	CAPACITY BUILDING	19	8.5	20	9	21	10	22	10.5	82	38		
3	PULSES DEVELOPMENT PROGRAMME	100	5	150	7.5	150	7.5	200	10	600	30		
4	OILSEED DEVELOPMENT PROGRAMME	100	5	150	7.5	150	7.5	200	10	600	30		
5	CASH CROP DEVELOPMENT	120	60	130	65	150	75	200	100	600	300		
6	SEED PRODUCTION PROGRAMME	5	0.6	5	0.6	5	0.6	5	0.6	20	2.4		
7	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	8	49	8	49	5	30	3	24	24	152		
8	FARM MECHANIZATION	60	44	40	29	33	16.4	2	3.6	135	93		
9	PROMOTION OF ORGANIC FARMING	310	52.5	270	40.5	190	30	180	27	950	150		
10	BALANCE & INTEGRATED USE OF FERTILIZER & INM		0.5		0.5		0.5		0.5	0	2		
11	PROMOTION OF IPM & PLANT PROTECTION (IPM)	2	0.8	4	1.6	4	1.6	4	1.6	14	5.6		
12	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM FALLOW MANAGEMENT	30	4.5	80	13	110	18	200	32.5	220	42	640	110
13	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	2	10	3	15	5	25	5	25	20	100		
14	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE		1		1		1		1	0	4		
15	FARM WATER MANAGEMENT & LAND SHAPING	300	82.5	400	110	400	110	200	55	1300	357.5		
16	ADMINISTRATIVE COST		3		3		3		3	0	12		
	TOTAL	32	14.5	1557	344.9	1962	373.9	2193	359.4	2341	324.8	8085	1417.5

B. HORTICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	POST HARVEST MANAGEMENT	15.6	43.1	18	77.5	20.4	82.2	20.8	86.6	25.2	91.6	91.6	381
2	PROMOTION OF MICRO IRRIGATION	23	22	23	22	24	24	26	24	24	34	118	130
3	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	2592	334.7	2874	376.7	3186	422	3488	468.2	3820	519.1	15960	2120.7
4	FARM HANDLING UNITS	1200	96	1300	104	1400	112	1500	120	1600	128	7000	560
5	BEE KEEPING	100	1.5	120	1.8	140	2.1	150	2.25	180	2.7	690	10.35
6	TOOLS, IMPLEMENTS & TRELLIS	1200	25	1300	27	1400	29.5	1500	31.5	1600	34	7000	147
7	SETTING UP OF VEGETABLE VILLAGE	3	15	3	15	3	15	3	15	6	30	18	90
8	COMMUNITY TANKS	1200	192	1300	208	1400	224	1500	240	1600	256	7000	1120
9	VERMI-COMPOST UNIT	1200	60	1300	65	1400	70	1500	75	1600	80	7000	350
10	SECURITY FENCING	200	72	240	84	170	93	300	103.5	350	118.5	1260	471
11	CAPACITY BUILDING	17.1	12.5	17.1	12.5	17.1	12.5	22.1	15	22.1	15	95.5	67.5
12	IPM/ INM	2	2	2	2	2	2	2	2	2	2	0	10
	TOTAL	7750.7	875.8	8495.1	995.5	9160.5	####	10008	1185.05	10827	1310.9	46233.1	5457.55

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	WATER HARVESTING POND	54	48.6	54	48.6	54	48.6	54	48.6	54	48.6	48.6	243
2	CHECK DAM	70	21	70	21	70	21	70	21	70	21	350	105
3	VERMI COMPOST	54	16.2	54	16.2	54	16.2	54	16.2	54	16.2	270	81
4	CONTOUR TREATMENT	80	24	80	24	80	24	80	24	80	24	400	120
5	BASIC ACTIVITIES	117	52.5	117	52.5	117	52.5	117	52.5	117	52.5	585	262.5
6	INFRASTRUCTURE DEVELOPMENT	5	75							4	25	9	100
7	CAPACITY BUILDING	177	32	150	5	150	5	150	5	150	5	777	52
8	BENCH TERRACE	60	30	60	30	60	30	60	30	60	30	300	150
	TOTAL	617	299	585	197	585	197	585	197	589	222	2961	1113.5

D. VETY & ANIMAL HUSBANDRY

State Agriculture Plan 2012-17

GOVERNMENT OF NAGALAND

DEPARTMENT OF AGRICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	LIVE STOCK PRODUCTION AND MANAGEMENT	17290	56.3	19345	62.65	19372	64.5	21419	69.05	24532	77.2	101958	329.7
2	FODDER PRODUCTION	30.5	6.09	33	6.54	36	7	43	7.95	60	9.2	202.5	36.78
3	ANIMAL HEALTH CARE	1290	6.45	1345	6.72	1372	6.8	1419	7.09	1532	7.66	6958	34.72
4	CAPACITY BUILDING	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	10	7.5
	TOTAL	18612.5	70.34	20725	77.41	20782	79.8	22883	85.59	26126	95.56	109129	408.7

E. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	2.5	6.88			2.27	6.24			10	27.5	14.77	40.62
2	MAGUR CULTURE/REARING									1	12	1	12
3	PRAWN CULTURE/REARING									3	6	3	6
4	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	6	1.38							4	0.92	10	2.3
5	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	10	20	14	28	6.5	13	9.5	19	50	100
6	CAPACITY BUILDING										3.5	0	3.5
7	PROMOTION OF FARM EQUIPMENT							40	5.12	50	6.4	90	11.52
8	FISHERIES DEVELOPMENT									2	10	2	10
9	MARKETING/POST DEVELOPMENT OF ORNAMENTAL FISHERIES									1	7	1	7
10	STRENGTHENING OF DEMONSTRATION FARMS									2	50	2	50
11	COLD WATER FISHERIES	1.5	15								1.5	15	
12	ECONOMIC TOURISM FISHERIES										10	0	
	TOTAL	20	43.26	10	20	16.27	34.24	46.5	18.12	82.5	142.32	185.27	257.94

F. SERICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	AUGMENTATION OF ERIHOST PLANT AND REARING OF ERI SILKWORM	40	12.4	40	12.4	40	12.4	40	12.4	40	12.4	200
2	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)	1	0.51	1	0.51	1	0.51	1	0.51	1	0.51	5
3	MARKET DEVELOPMENT / INFRASTRUCTURE	40	40	40	41	42.4	41	42.4	42	44.8	204	209.6
4	ADOPTED SEED REARERS										0	0
5	CAPACITY BUILDING/EXHIBITION	50	2.35	50	2.35	50	2.55	50	2.55	50	2.55	250
6	SOLAR OPERATING SPINNING MACHINE											5.4
	TOTAL:	131	55.26	131	55.26	142	59.66	142	59.66	143	62.06	689
												291.9

G. LAND RESOURCE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WORK COMPONENTS FOR LEMON GRASS	200	60	75	90	300	90	200	60	100	30	875
2	WORK COMPONENTS FOR AGAR	600	72	3000	90	750	90	60	72	300	36	4710
3	WORK COMPONENTS FOR SUGARCANE	200	20	200	20	200	20	200	20	200	20	1000
4	WORK COMPONENTS FOR CARDAMUM							200	30	200	30	400
5	CAPACITY BUILDING	8	4.8	12	7.2	8	4.8	16	9.6	12	7.2	56
	TOTAL:	1008	156.8	3287	207.2	1258	204.8	676	191.6	812	123.2	7041
												883.6

H. IRRIGATION & FLOOD CONTROL

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	LIFT IRRIGATION	450	900	515	1040	605	1242.5	665	1377.5	765	1590	3000
2	MINOR IRRIGATION PROGRAMME	160	288	180	324	200	360	220	396	240	432	1000
	TOTAL	610	1188	695	1364	805	1602.5	885	1773.5	1005	2022	4000
												7950

I. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	FLORICULTURE		1	5	1	5	1	5	1	5	1	20
2	DAIRY	1	15	1	15	2	30	1	15	5	15	75
3	MARKETING & SHED	1	10	1	10	1	10	1	10	1	10	40
4	FISHERY POND	2	20	2	20	2	20	2	20	2	20	80
5	PIGGERY	1	10	1	10	1	10	1	10	1	10	40
6	POULTRY	2	10	2	10	2	10	2	10	2	10	40
7	SEEDS	1	10	1	10	1	10	1	10	1	10	40
8	CONSUMER	1	10	1	10	1	10	1	10	1	10	40
	TOTAL	0	0	10	90	10	90	11	105	10	90	41
												375

A. AGRICULTURE

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL		
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	420	41.5	500	49.37	580	57.25	660	65.12	690	68	2850	281.24						
2	CAPACITY BUILDING	112	11	112	11	112	11	112	11	112	11	560	55						
3	PULSES DEVELOPMENT PROGRAMME	170	17	230	23	290	29	350	35.5	410	41	1450	145.5						
4	OILSEED DEVELOPMENT PROGRAMME	150	15	175	17.5	200	20	220	22.5	250	25	995	100						
5	CASH CROP DEVELOPMENT	200	25	235	29.25	270	33.25	305	37	340	41	1350	165.5						
6	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	18	36	18	36	18	36	18	36	18	36	90	180						
7	FARM MECHANIZATION	35	26.25	35	26.25	35	26.25	35	26.25	35	26.25	35	26.25	175	131.25				
8	BALANCE & INTEGRATED USE OF FERTILIZER & INM	50	4.4	50	4.4	50	4.4	50	4.4	50	4.4	50	4.4	250	22				
9	PROMOTION OF IPM & PLANT PROTECTION (IPM)	3	3	3	3	3	3	3	3	3	3	3	3	15	15				
10	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM FALLOW MANAGEMENT	200	45.5	235	54.25	265	60.75	300	68.5	330	75	1330	304						
11	SUGARCANE DEVELOPMENT	20	3	25	3.5	25	3.5	30	4.5	30	4.5	30	4.5	130	19				
12	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	21	49.5	21	49.5	21	49.5	21	49.5	21	49.5	21	49.5	105	247.5				
13	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE	3500	26.5	3500	26.5	3500	26.5	3500	26.5	3500	26.5	17500	132.5						
14	FARM WATER MANAGEMENT & LAND SHAPING	180	27	235	35.25	290	43.5	340	51	395	59.25	1440	216						
15	ADMINISTRATIVE COST	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	5	7.5					
16	TEA PROGRAMME	10	8	15	12	15	12	20	16	20	16	80	64						
	TOTAL	5090	340.15	5390	382.27	5675	417.4	5965	458.27	6205	487.9	28325	2085.99						

B. HORTICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	50	36.6	50	36.6	50	36.6	50	36.6	50	36.6	250
	TOTAL	50	36.6	250								

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WATER HARVESTING POND	60	108	58	104.4	55	99	50	90	50	90	273
2	CHECK DAM	115	57.5	115	57.5	115	57.5	115	57.5	115	57.5	287.5
3	GABIAN EMBANKMENT	155	35.65	155	35.65	150	34.5	150	34.5	150	34.5	760
4	CONSTRUCTION OF SPURS	135	22.95	135	22.95	135	22.95	135	22.95	135	22.95	675
5	BASIC ACTIVITIES	15		12		8		5.15		10.035		0
	TOTAL	465	239	463	233	455	222	450	210	450	215	2283
												1118.64

D. VET & ANIMAL HUSBANDRY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	LIVE STOCK PRODUCTION AND MANAGEMENT	115.2	43.208	115.2	43.208	115.2	43.208	115.2	43.208	115.2	43.208	576
2	FODDER PRODUCTION	36	10.54	36	10.54	36	10.54	36	10.54	36	10.54	180
3	ANIMAL HEALTH CARE	4.5		4.5		4.5		4.5		4.5		0
4	CAPACITY BUILDING	7.66		7.66		7.66		7.66		7.66		38.3
5	STRENGTHENING OF HEALTH INSTITUTION	2	5.407	2	5.407	2	5.407	2	5.409	2	5.409	10
6	STRENGTHENING FARM INSTITUTE			2	9.12	2	9.12	2	9.12	2	9.14	8
	TOTAL	153.2	71.32	155.2	80.44	155.2	80.44	155.2	80.44	155.2	80.46	774
												393.08

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	2.15	6.875	3	8.25	2.27	6.2425	5	13.75	6	16.5	18.42	
2	ASSISTANCE FOR IMPROVEMENT OF BREED									2	10	2	
3	DEVELOPMENT OF STREAM FISHERIES											0	
4	MAGUR CULTURE/REARING									1	12	1	
5	PRAWN CULTURE/REARING	5	10								5	10	
6	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	6	1.38							4	0.92	10	
7	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	10	20	14	28	6.5	13	9.5	19	50	
8	CAPACITY BUILDING									35	3.5	35	
9	PROMOTION OF FARM EQUIPMENT							40	5.12	50	6.4	90	
10	FISHERIES DEVELOPMENT									2	10	2	
11	MARKETING/POST											10	
12	DEVELOPMENT OF ORNAMENTAL FISHERIES							1	7	1	7	2	
13	COLD WATER FISHERIES	1.5	15									1.5	
14	ECONOMIC TOURISM FISHERIES									1	10	10	
	TOTAL	24.65	53.26	13	28.25	16.27	34.24	52.5	38.87	111.5	95.32	226.92	249.94

F. SERICULTURE

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	AUGMENTATION OF MUGA FOOD PLANT AND REARING OF MUGA SILKWORM			200	72							200 72
2	ESTABLISHMENT OF MUGA GRAINAGE/STORAGE			3	26.63							3 26.63
3	DEVELOPMENT OF MUGA HOST PLANT NURSERY (SOM)			3	3.24							3 3.24
4	MARKET DEVELOPMENT / INFRASTRUCTURE					36.8						0 36.8
5	CAPACITY BUILDING/EXHIBITION					0.4						0 0.4
6	TOOLS/IMPLEMENTATION/ REARING / APPLIANCE			1200	1.8			23	47.1			2.8 1223 51.7
7	FARM MAINTENANCE					200	75.11	200	72	200	72	219.11
8	MUGA REELING MACHINE							200	30	200	30	30
	TOTAL:	0	0	1406	103.67	200	112.31	223	119.1	400	104.8	1701 439.88

G. LAND RESOURCE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
10	WORK COMPONENTS FOR AGAR					75	37.5	17.5	8.75			92.5 46.25
12	WORK COMPONENTS FOR CARDAMUM									15	9	15 9
13	RUBBER PLANTATION			24	19.2	17	13.6					41 32.8
	TOTAL:	24	19.2	17	13.6	75	37.5	17.5	8.75	15	9	148.5 88.05

H. IRRIGATION & FLOOD CONTROL

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	MINOR IRRIGATION PROGRAMME											0
2	LIFT IRRIGATION											0
3	FORMATION OF CHANNEL/ CUTTING/HEAD WORK/ CC LINING ETC.											0
4	MAINTENANCE OF CONTINGENCIES											0
5	D/WEIR											0
6	MINOR IRRIGATION PROGRAMME											0
	TOTAL	0										

I. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	CO-OPERATIVE CREDIT LINKAGE TO MARGINAL FARMERS			250	50	250	50	25	50	250	50	775
2	MULTIPURPOSE MINI COLD STORAGE			1	75	1	75	1	75	1	75	4
3	RURAL STORAGE GODOWN			1	50	1	50					100
4	SKILL UP-GRADATION			841	321.8	841	321.8	841	321.8	841	321.8	2523
	TOTAL	0	0	252	175	1093	496.8	867	446.8	1092	446.8	3304
												1565.4

A. AGRICULTURE**ANNEXURE - 9**

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL		
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	156	226.9	170	253.9	185	278.1	206	320.8	717	1079.7								
2	CAPACITY BUILDING	123	101.5	178	96	220	98	261	107	782	402.5								
3	PULSES DEVELOPMENT PROGRAMME	7	3.01	7	3.01	4	1.72	8	3.44	26	11.18								
4	OILSEED DEVELOPMENT PROGRAMME	36	20.04	49	26.6	47	25.72	56	30.1	188	102.46								
5	CASH CROP DEVELOPMENT	299	61.9	326	67.4	358	73.76	382	80.48	1365	283.54								
6	SEED PRODUCTION PROGRAMME	7	20	6	20	6	20	6	20	20	25	80							
7	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	407	224.5	407	224.5	407	224.5	407	224.5	407	224.5	1628	898						
8	FARM MECHANIZATION	97	60.5	97	60.5	97	60.5	97	60.5	97	60.5	388	242						
9	PROMOTION OF ORGANIC FARMING	775	21.25	775	21.25	775	21.25	775	21.25	775	21.25	3100	85						
10	BALANCE & INTEGRATED USE OF FERTILIZER & INM	100	20	100	20	100	20	100	20	100	20	400	80						
11	PROMOTION OF IPM & PLANT PROTECTION (IPM)	20	8.5	21	9.7	22	10.9	22	10.9	22	10.9	85	40						
12	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE		5		5		5		5		5	0	20						
13	FARM WATER MANAGEMENT & LAND SHAPING	415	206	415	206	415	208	435	210	1680	830								
14	INNOVATIVE ACTIVITY	2	4	2	4	2	4	2	4	2	4	8	16						
	TOTAL	2444	983.1	2553	1017.86	2638	1051.45	2757	1117.97	10392	4170.38								

B. HORTICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	POST HARVEST MANAGEMENT		20	2	20	2	20	2	20	20	2	20	8
2	PROMOTION OF MICRO IRRIGATION	16	1.76	16	1.76	16	1.76	16	1.76	16	1.76	16	7.04
3	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	692.5	108.98	697.5	108.97	697.5	108.97	697.5	108.97	697.5	108.98	2785	435.9
4	FARM HANDLING UNITS	2	6.6	2	6.6	2	6.6	2	6.6	2	6.6	2	26.4
5	BEE KEEPING	20	3	20	3	20	3	20	3	20	3	80	12
6	TOOLS, IMPLEMENTS & TRELLIS	400	40	400	40	400	40	400	40	400	40	1600	160
7	FARMERS TRAINING/ EXPOSURE TOURS	4	4	4	4	4	4	4	4	4	4	4	16
8	COMMUNITY TANKS	24	48	24	48	24	48	24	48	24	48	96	192
9	VERMI-COMPOST UNIT	8	3.36	8	3.36	8	3.36	8	3.36	8	3.36	32	13.44
10	CAPACITY BUILDING	18	9	18	9	18	9	18	9	18	9	72	36
11	GREEN NET HOUSE	55	44	55	44	55	44	55	44	55	44	220	176
	TOTAL	1259.5	270.7	1264.5	270.69	1264.5	270.69	1264.5	270.7	1264.5	270.7	5053	1082.78

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	WATER HARVESTING POND	39	54	39	70.2	30	54	30	54	30	54	138	232.2
2	CHECK DAM	84	42	59	29.5	41	20.5	22	11	206	103		
3	GABIAN EMBANKMENT	45	10.35	40	9.2	45	10.35	50	11.5	180	41.4		
4	CONSTRUCTION OF SPURS	45	7.65	50	8.5	45	7.65	45	7.65	185	31.45		
5	SOIL TESTING LABORATORY	1	30.1							1	30.1		
6	VERMICOMPOST	40	20	40	20	40	20	40	20	160	80		
7	CONTOUR TREATMENT	56	44.8	56	44.8	56	44.8	60	48	228	182.4		
	TOTAL	0	0	310	209	284	182	257	157	247	152	1098	700.55

D. VETY & ANIMAL HUSBANDRY

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	LIVE STOCK PRODUCTION AND MANAGEMENT	455	81	455	81	455	81	455	81			1820	324
2	FODDER PRODUCTION	30	7	30	7	30	7	30	7			120	28
3	ANIMAL HEALTH CARE	2	10	2	10	2	10	2	10			8	40
4	CAPACITY BUILDING	18	19	18	19	18	19	18	19			72	76
5	STRENGTHENING OF HEALTH INSTITUTION	1.5	5	1.5	5	1.5	5	1.5	5			6	20
6	STRENGTHENING FARM INSTITUTE	1.5	6	1.5	6	1.5	6	1.5	6			6	24
	TOTAL	508	128	508	128	508	128	508	128	0	0	2032	512

E. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES			1780	258.5	2700	298	1750	184	950	134.5	7180	875
2	ASSISTANCE FOR IMPROVEMENT OF BREED			12	2.58	24	5.16	12	2.58	12	2.58	60	12.9
3	PRAWN CULTURE/REARING			30	2.5	43	4.2	43	3.8	43	3.8	159	14.3
4	CAPACITY BUILDING			603	33	803	43.5	403	22.5	203	12	2012	111
5	SWAMPY/MARSHY			19	43.7	218	52.9	201	10.1	201	10.1	639	116.8
6	ECONOMIC TOURISM FISHERIES											10	0
7	LAKE RENOVATION			40050	24.8	40070	35.8	20070	20.16	12010	12.8	112200	93.56
8	DISTRIBUTION OF FISH SEEDS											4880	426.4
	TOTAL	0	0	43714	471.68	45078	546.16	23699	349.74	14639	282.38	127140	1649.96

F. SERICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	AUGMENTATION OF ERI HOST PLANT AND REARING OF ERI SILKWORM		50	22.5	55	24.75	50	22.5	55	24.75	210	94.5
2	AUGMENTATION OF MUGA FOOD PLANT AND REARING OF MUGA SILKWORM		70	13.35	70	13.91	72	14.76	75	15.38	287	57.4
3	ESTABLISHMENT OF ERI GRAINAGE									1	7.54	1
4	ESTABLISHMENT OF MUGA GRAINAGE/STORAGE									1	6.88	1
5	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)	1	3.6	1	3.6	1	3.6	1	3.6	1	3.6	4
6	DEVELOPMENT OF MUGA HOST PLANT NURSERY (SOM)	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	4
7	SILK PEST MANAGEMENT	2	1	2	1	2	1	2	1	2	1	8
8	FARMERS TOUR/FIELD TRIPS	1	3.12	2	3.16	2	3.16	2	3.16	2	3.16	7
9	CAPACITY BUILDING/EXHIBITION	1	1	1	1	1	1	1	1	1	1	4
TOTAL:		0	0	126	46.07	132	48.92	129	47.52	139	64.81	526
207.32												

G. LAND RESOURCE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WATER HARVESTING STRUCTURE		2	2	2	2	4	4	2	2	10	10
2	WORK COMPONENTS FOR CARDAMUM	180	72	200	80	200	80	200	80	200	80	312
3	RUBBER PLANTATION	154	123.6	204	164	104	84.6	150	121.4	612	493.6	
4	CAPACITY BUILDING	19	9.5	19	9.5	19	8.5	20	10	20	10	77
TOTAL:		0	0	355	207.1	425	255.5	327	177.1	372	213.4	1479
853.1												

H. IRRIGATION & FLOOD CONTROL

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	LIFT IRRIGATION			74		66				70	0	210
2	D/WEIR			73		112		127		150.03	0	462.03
	TOTAL	0		147		178		127		220.03	0	672.03

I. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	SKILL UP-GRADATION			25	8.75	25	8.75	25	8.75	25	8.75	100
2	OLERICULTUE			80	12	80	12	80	12	80	12	320
3	FLORICULTURE			25	2.5	25	2.5	50	5	50	5	150
4	DAIRY			75	11.25	75	11.25	75	11.25	75	11.25	300
5	FARM HANDLING UNIT			50	10	50	10	50	10	50	10	200
6	TOOLS & IMPLEMENTS			20	6	20	6	20	6	20	6	80
7	CAPACITY BUILDING			200	10	200	10	200	10	200	10	800
8	INFRASTRUCTURE DEVELOPMENT/WAITING SHED			78	21	78	21	78	21	78	21	312
9	FRUIT CROP			345	51.75	355	54.75	350	52.25	350	52.25	1400
	TOTAL	898		133.25	908	136.25	928	136.25	928	136.25	928	3662
												542

A. AGRICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS	310	31	330	33	510	51	520	52	540	54	2210	221
2	CAPACITY BUILDING	35	30.4	35	30.4	35	30.4	35	30.4	35	30.4	175	152
3	PULSES DEVELOPMENT PROGRAMME	150	22.5	150	22.5	200	30	300	45	400	60	1200	180
4	OILSEED DEVELOPMENT PROGRAMME	80	12	150	22.5	180	27	180	27	300	45	890	133.5
5	CASH CROP DEVELOPMENT	120	15	120	15	140	17	220	25	230	26	830	98
6	SEED PRODUCTION PROGRAMME	190	33.5	170	17	180	18	210	21	210	21	960	110.5
7	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS					2	16	3	11.5	6	25	11	52.5
8	FARM MECHANIZATION	305	21.1	335	27.1	335	27.1	370	37.8	400	41.6	1745	154.7
9	PROMOTION OF ORGANIC FARMING	80	8	80	8	80	8	90	9	90	9	420	42
10	PROMOTION OF INTEGRATED FARMING SYSTEM & JHUM FALLOW MANAGEMENT	50	10	50	10	100	20	100	20	100	20	400	80
11	POWER TILLER PATH & APPROACH ROAD AGRILINK ROAD	30	25	30	25	40	30	40	30	55	42.5	195	152.5
12	FARM WATER MANAGEMENT & LAND SHAPING	50	15	50	15	50	15	50	15	50	15	250	75
13	TEA PROGRAMME	20	12	30	18	50	30	50	30	50	30	200	120
14	INNOVATIVE ACTIVITY	40	23.9									40	23.9
	TOTAL	1460	259.4	1530	243.5	1902	319.5	2168	353.7	2466	419.5	9526	1595.6

B. HORTICULTURE

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	
1	MUSHROOM DEVELOPMENT	20	1.4	20	1.4	20	1.4	20	1.4	20	1.4	20	1.4	20	1.4	100	7
2	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	633	59.4	633	59.4	915	82.2	915	82.2	774	70.8	3870	354				
3	FARM HANDLING UNITS	80	40	80	40	80	40	80	40	80	40	80	40	80	40	400	200
4	BEE KEEPING	200	2	200	2	200	2	200	2	200	2	200	2	200	2	1000	10
5	TOOLS, IMPLEMENTS & TRELLIS	200	7	200	7	200	7	200	7	200	7	200	7	200	7	1000	35
6	COMMUNITY TANKS	80	80	80	80	80	80	80	80	80	80	80	80	80	80	400	400
7	VERMI-COMPOST UNIT	80	28	80	28	80	28	80	28	80	28	80	28	80	28	400	140
	TOTAL	1293	217.8	1293	217.8	1575	240.6	1575	240.6	1434	229.2	7170	1146				

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13			2013-14			2014-15			2015-16			2016-17			TOTAL
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	
1	WATER HARVESTING POND	15	27	15	27	15	27	15	27	15	27	15	27	15	27	75	135
2	BASIC ACTIVITIES		2		2		2		2		2		2		2	0	10
3	GRADED CONTOUR TRENCHING	75	37.5	75	37.5	75	37.5	75	37.5	75	37.5	75	37.5	75	37.5	187.5	
4	INFRASTRUCTURE DEVELOPMENT	2	30	1	10											3	40
5	CAPACITY BUILDING	90	12.5	75	5	75	5	75	5	75	5	75	5	75	5	390	32.5
6	LANDSLIDE CONTROL	15	13.5	15	13.5	15	13.5	15	13.5	15	13.5	15	13.5	15	13.5	75	67.5
	TOTAL	197	123	181	95	180	85	918	472.5								

D. VETY & ANIMAL HUSBANDRY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	LIVE STOCK PRODUCTION AND MANAGEMENT	41	30.8	41	30.8	41	30.8	41	30.8	41	30.8	205	154
2	FODDER PRODUCTION	20	4	20	4	20	4	20	4	20	4	100	20
3	ANIMAL HEALTH CARE	5		5		5		5		5		0	25
4	CAPACITY BUILDING	5		5		5		5		5		0	25
	TOTAL	61	44.8	305	224								

E. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	4.02	11.05	2.5	6.88	2.27	6.24			8	22	16.79	46.17
2	MAGUR CULTURE/REARING									1	12	1	12
3	PRAWN CULTURE/REARING									6	0	0	6
4	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	6	1.38							3.78	0.87	9.78	2.25
5	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	10	20	14	28	6.5	13	9.5	19	50	100
6	CAPACITY BUILDING									35	3.5	35	3.5
7	PROMOTION OF FARM EQUIPMENT							30	3.84	40	5.12	70	8.96
8	FISHERIES DEVELOPMENT MARKETING/POST									1	5	1	5
9	ECONOMIC TOURISM FISHERIES											10	0
	TOTAL	20.02	32.43	12.5	26.88	16.27	34.24	36.5	16.84	98.28	73.49	193.57	183.88

F. SERICULTURE

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	AUGMENTATION OF ERTHOST PLANT AND REARING OF ERI SILKWORM			50	22.5	50	22.5	50	22.5	50	22.5	200	
2	ESTABLISHMENT OF ERI GRAINAGE					1	7.54	1	7.54			2 15.08	
3	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)	1	1.5	1	1.5							2 3	
4	SILK PEST MANAGEMENT	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5	4 2	
5	FARMERS TOUR/FIELD TRIPS	1	2	1	2	1	2	1	2	1	2	4 8	
	TOTAL:	0	0	53	26.5	54	34.04	53	32.54	52	25	212	118.08

G LAND RESOURCE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	FRUITS DEVELOPMENT	40	32	40	32	100	80	100	80	100	80	380 304
2	FARM MACHINERIES									2	2	2
3	WORK COMPONENTS FOR LEMON GRASS	50	25	50	25	59	34	80	40	80	40	319 164
4	WORK COMPONENTS FOR AGAR	50	25	5	25	50	25	80	48	89	57	274 180
5	WORK COMPONENTS FOR CARDAMUM	50	25	50	25	80	40	100	50	100	50	380 190
6	RUBBER PLANTATION	20	15	20	15	20	15	80	60	83	63	223 168
7	PARKIA	50	25	50	25	100	50	100	50	100	50	400 200
8	CONSTRUCTION OF GODOWN/ STORE					1	10					1 10
9	CAPACITY BUILDING											
	TOTAL:	260	147	217	149	412	256	542	330	556	344	1987 1226

H. IRRIGATION & FLOOD CONTROL

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	FORMATION OF CHANNEL/ CUTTING/ HEAD WORK/ CC LINING ETC.	272	128.05	268	119.9	263	124.35	260	120.15	245	103.75	1308	596.2
2	Maintenance Of CONTINGENCIES	35	5.25	17	2.55	16	2.4	16	2.4	16	2.4	100	15
	TOTAL	307	133.3	285	122.45	279	126.75	276	122.55	261	106.15	1408	611.2

I. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	SKILL UP-GRADATION					20	56	10	34	10	34	40	124
2	PIGGERY					10	29	15	46	7	36	32	111
3	CAPACITY BUILDING					840	10	840	10	840	10	2520	30
4	INFRASTRUCTURE DEVELOPMENT					10	225	1	60		4	11	289
5	OFFICE CONTINGENCIES					4		4		4		0	12
6	ADMINISTRATIVE EXPENSES	4	5.76	4	5.76	4	5.96	4	5.96	4	5.96	12	17.48
7	CONSTRUCTION OF MARKETSHED			1	10							1	10
8	PESCI CULTURE					50	150	38	110.6	30	79	118	339.6
9	POULTRY					5	17	6	20.4	5	17	16	54.4
10	HORTICULTURE					17		19		14		0	50
	TOTAL	0	0	4	5.76	940	523.76	914	309.96	892	198	2750	1037.48

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	INTEGRATED DEVELOPMENT OF MAJOR FOOD CROPS		600	60	300	30	300	30	300	30	1500	150	
2	CAPACITY BUILDING	15	7.5	15	7.5	15	7.5	15	7.5	15	7.5	60	30
3	PULSES DEVELOPMENT PROGRAMME	40	4	20	2	20	2	20	2	20	2	100	10
4	OILSEED DEVELOPMENT PROGRAMME	100	10	50	5	50	5	50	5	50	5	250	25
5	CASH CROP DEVELOPMENT	200	30	100	15	100	15	100	15	100	15	500	75
6	DEVELOPMENT OF MARKET INFRASTRUCTURE & PRIMARY AGRO PROCESSING UNITS	11	206.5	8	36.5	7	39.5	5	9	31	291.5		
7	FARM MECHANIZATION	33	20.6	33	20.6	32	20.4	32	20.4	32	130	82	
8	PROMOTION OF ORGANIC FARMING	552	72	250	30	250	30	250	30	250	30	1302	162
9	BALANCE & INTEGRATED USE OF FERTILIZER & INM	205	6.25	100	2.5	100	2.5	100	2.5	100	2.5	505	13.75
10	PROMOTION OF IPM & PLANT PROTECTION (IPM)		2	0.8	2	0.8	2	0.8	2	0.8	2	8	3.2
11	POWER TILLER PATH & APPROACH ROAD AGRI LINK ROAD	31	177	33	201	16	95					80	473
12	AGRICULTURE TOOLS & IMPLEMENTS FOR HILL AGRICULTURE	1025	5.9	1025	5.9	1025	5.9	1025	5.9	1025	5.9	4100	23.6
13	FARM WATER MANAGEMENT & LAND SHAPING	600	215	450	107.5	425	103.75	425	103.75	425	103.75	1900	530
	TOTAL	0	0	3414	815.55	2386	464.3	357.35	2324	231.85	10466	1869.05	

B. HORTICULTURE

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	POST HARVEST MANAGEMENT	12512	20.75	12512	20.75	12512	20.75	12512	20.75	12512	20.75	62560 103.75
2	INTEGRATED DEVELOPMENT OF MAJOR HORTICULTURE CROPS	175	22.5	175	22.5	175	22.5	175	22.5	175	22.5	875 112.5
3	FARM HANDLING UNITS	12	50	12	50	12	50	12	50	12	50	60 250
4	BEE KEEPING	250	2.5	250	2.5	250	2.5	250	2.5	250	2.5	1250 12.5
5	TOOLS, IMPLEMENTS & TRELLIS	250	7.5	250	7.5	250	7.5	250	7.5	250	7.5	1250 37.5
6	FARMERS TRAINING/EXPOSURE TOURS	5	12.5	5	12.5	5	12.5	5	12.5	5	12.5	25 62.5
7	SETTING UP OF VEGETABLE VILLAGE	2	8	2	8	2	8	2	8	2	8	10 40
8	COMMUNITY TANKS	10	10	10	10	10	10	10	10	10	10	50 50
9	VERMI-COMPOST UNIT	100	30	100	30	100	30	100	30	100	30	500 150
10	SECURITY FENCING	100	15	100	15	100	15	100	15	100	15	500 75
11	HORTI LINK ROADS	5	6	5	6	5	6	5	6	5	6	25 30
12	PLANTING MATERIALS	603	77.5	603	78.5	653	81	653	81	653	81	3165 399
13	TERRACE DEVELOPMENT		2.5		2.5		3.75		3.75		3.75	0 16.25
	TOTAL	14024	264.75	14024	265.75	14074	269.5	14074	269.5	14074	269.5	70270 1339

C. SOIL & WATER CONSERVATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WATER HARVESTING POND	15	27	15	27	15	27	15	27	15	27	75 135
2	BASIC ACTIVITIES	2		2		2		2		2		0 10
3	GRADED CONTOUR TRENCHING	75	37.5	75	37.5	75	37.5	75	37.5	75	37.5	375 187.5
4	INFRASTRUCTURE DEVELOPMENT	2	30	1	10							3 40
5	CAPACITY BUILDING	90	12.5	75	5	75	5	30	5	90	12.5	360 40
6	LANDSLIDE CONTROL	15	13.5	15	13.5	15	13.5	15	13.5	15	13.5	75 67.5
	TOTAL	197	123	181	95	180	85	135	85	195	93	888 480

D. VETY & ANIMAL HUSSANDRY

State Agriculture Plan 2012-17

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	LIVE STOCK PRODUCTION AND MANAGEMENT	27	10	28	10.73	28	10.73	27	10	28	10.73	138	52.18
2	FODDER PRODUCTION	12	3.52	12	3.52	12	3.52	12	3.52	12	3.52	60	17.6
3	ANIMAL HEALTH CARE	1	0.9	1	0.9	1	0.9	1	1	1	0.81	5	4.51
4	CAPACITY BUILDING	1	4	1	4	1	4	1	4	1	4.28	5	20.28
5	STRENGTHENING OF HEALTH INSTITUTION			2	6.76	2	6.76	2	6.76	2	6.76	8	27.04
6	STRENGTHENING FARM INSTITUTE			2	9.15	2	9.15	2	9.15	2	9.15	8	36.6
	TOTAL	41	18.42	46	35.06	46	35.06	45	34.43	46	35.24	224	158.21

E. FISHERY

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F	P	F
1	SPECIAL SCHEME ON LAND REFORMS FOR PADDY-CUM-FISH CULTURES	5	13.75			2.27	6.24			8	22	15.27	41.99
2	MAGUR CULTURE/REARING									1	12	1	12
3	PRAWN CULTURE/REARING	2.5	5							2	4	4.5	9
4	QUALITY SEEDS TO INTENSIFY FISH PRODUCTION	6	1.38							3.78	0.89	9.78	2.27
5	DEVELOPMENT & MANAGEMENT OF FISHERIES	10	20	10	20	14	28	6.5	13	9.5	19	50	100
6	CAPACITY BUILDING									35	3.5	35	3.5
7	PROMOTION OF FARM EQUIPMENT							30	3.84	40	5.12	70	8.96
8	FISHERIES DEVELOPMENT MARKETING/POST									1	5	1	5
	TOTAL	23.5	40.13	10	20	16.27	34.24	36.5	16.84	100.28	71.51	186.55	182.72

F. SERICULTURE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	AUGMENTATION OF EARTHHOST PLANT AND REARING OF ERI SILKWORM			50	65.5	50	65.5	50	65.5	50	65.5	200
2	ESTABLISHMENT OF ERI GRAINAGE					1	9					9
3	DEVELOPMENT OF KESSERU (ERI SILKWORM HOST PLANT NURSERY)			1	4	1	4	1	4	1	4	16
4	SILK PEST MANAGEMENT			2	3	2	3	2	3	2	3	12
5	FARMERS TOUR/FIELD TRIPS			1	6	1	6	1	6	1	6	24
	TOTAL:	0	0	54	78.5	55	87.5	54	78.5	54	78.5	217

G. LAND RESOURCE

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	WORK COMPONENTS FOR AGAR	30	15	30	15	30	15	30	15	30	15	45
2	WORK COMPONENTS FOR CARDAMUM									30	18	30
	TOTAL:	30	15	30	15	30	15	30	15	30	18	150

H. IRRIGATION & FLOOD CONTROL

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL	
		P	F	P	F	P	F	P	F	P	F		
1	MINOR IRRIGATION PROGRAMME		229.25		204.38		76.87		111		67.25	0	688.75
	TOTAL	0	229.25	0	204.38	0	76.87	0	111	0	67.25	0	688.75

I. COOPERATION

SL. NO.	COMPONENT	2012-13		2013-14		2014-15		2015-16		2016-17		TOTAL
		P	F	P	F	P	F	P	F	P	F	
1	MULTIPURPOSE MINI COLD STORAGE	2	6	2	6	2	6	2	6	2	6	30
2	MARKETING & SHED			2	3	2	3	2	3	2	3	12
3	FISHERY POND	4	2	4	2	4	2	4	2	4	2	10
4	INFRASTRUCTURE DEVELOPMENT					2	6	2	6	2	6	18
5	CONSTRUCTION OF MARKETSHED	1	3	1	3	1	3					9
	TOTAL	7	11	9	14	11	20	10	17	10	17	79





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