



GOVERNMENT OF ASSAM

DRAFT ANNUAL PLAN

1973-74

PART I



PLANNING AND DEVELOPMENT DEPARTMENT

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ASSAM'S DRAFT ANNUAL PLAN 1973-74.

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CHAPTER I

INTRODUCTION

Location 1.1. Assam stands like a sentinal guard on the north-eastern frontier of the Country and is flanked on three sides by Foreign Territories. The State is linked with the rest of the Country by a narrow strip of land through North Bengal. Assam forms the core of the strategic North-eastern region of India comprising Assam, Arunachal Pradesh, Nagaland, Meghalaya, Manipur, Mizoram and Tripura and as such serves as the focal point of the communication lines to these outlying areas.

Area and population 1.2. The State consists of 8 plains districts - 7 in Brahmaputra valley and 1 in Barak valley - and 2 hill districts. The state covers an area of 78.5 thousand sq.KMs. (2.4% of India's total area) with a population of 14.6 million (1971) or 2.7% of India's population.

Problems: 1.3. Despite development potential in all the major fields, Assam has been persistently lagging behind other states in many of the important sectors. The state is endowed with vast natural resources. The net work of rivers, ^{rich} ~~has~~ minerals and oil deposits, enormous forest resources and power potential - all these if properly exploited and harnessed can provide the state's economy with a sound base for agricultural and industrial development and lead the state towards dynamic progress. But unfortunately the resources of Assam are still in the early stages of development and the state is ~~beset~~ ^{beset} with many problems retarding economic growth. An attempt is made in the following paragraphs to make a brief survey of the more important problems of economic growth of the State:

(a) Rapid growth of population 1.4. Rapid population growth is one of the major problems of Assam. During the decade 1951-61, Assam's population increased by 35.1% against the all India increase of 21.6%. During the next decade the increase was 34.4% against the all India increase of 24.6%. During 1901-71, the increase was 340.1% against the all India increase of 129.5%. Inflow of refugees from time to time and immigrants from neighbouring areas coupled with the inflow of industrial labour are among the principal factors contributing to the steep rate of growth. A striking feature of the composition of the total population of the state is the large proportion of scheduled castes and tribes and other backward classes.

(b) Agrarian nature of economy and flood 1.5. Even after two decades of planning, Assam's economy is predominantly agricultural. Agriculture alone contributes to about half of the states income. The rural population constitutes more than 90% of the total and about 70% depend on agriculture for livelihood. High priority has been accorded to agriculture in the preceding plans. But the result has not been uniformly satisfactory. In spite of the various measures like use of fertiliser, improved seeds, irrigation, plant protection etc, agriculture continues to be unstable. One of the major factors responsible for instability in agriculture is the recurrence of floods caused by heavy precipitation during the monsoon and aggravated by extension of deforestation on account of shifting cultivation in the hill areas all around the valley. Hitherto the problem of flood and erosion have been sought to be tackled by undertaking measures like strengthening of embankments, construction of sluices and raised platforms, town protection works etc. These are all short term measures and not commensurate with the size of the problem.

In order to find out long term solution to this problem, the the Brahmaputra Flood Control Board and the Brahmaputra Flood Control Commission was set up. But the provision available in the fourth plan for flood control is too meagre to tackle the problem effectively. The setting up of the Flood Control Board and the flood control Commission can be regarded as the first step in this direction. The problem will have to be tackled on a national basis.

(c) Slow
Pace of
Industrialisation :

1.6. In the sphere of industrialisation, Assam continues to remain a backward State despite rich natural resources in oil, coal, water, forests and other minerals. The extent of exploitation of these resources has so far been meagre. Though the investment in development of Infra-structure like power, transport etc. had been substantial during the first three plans, the investment in industries has lagged behind and in particular the level of private investment has been most disappointing. The total private sector investment including tea and oil was of the order of Rs. 220 crores. Over the period 1951-69 the investment in Central Govt. Industrial projects in Assam was only Rs. 40.2 crores or 1.6% of the all India total of Rs. 2450 crores. The programmes in the State sector, have been handicapped mainly by limitation of funds. In order to remedy this Situation Special efforts will have to be undertaken by the Central and State Govts. as the prospect of substantial private investment continues to be bleak.

(d)
Unemployment

1.7. The problem of unemployment in Assam is a chronic one and is complex in character. It has its origin in the general economic backwardness of the State. The slow progress of development in general and tardy growth of industrial sector in particular, is responsible for this chronic unemployment situation. In formulating the State

plans it had all along been the aim to make the schemes employment oriented. But, then they could not provide gainful employment to all the new entrants to the labour force. As a result every plan left behind an increasing volume of backlog to be taken care of in the succeeding plan. The problem assumed a new dimension towards the end of the third plan period when technical persons also entered the list of unemployed.

1.8. The extent of unemployment in the economy as a whole is not amenable to precise calculating because of the limitation of the estimates. It had been estimated that the backlog of unemployed persons in the State at the end of the third Five year plan was 3.32 lakhs. The position deteriorated further during the period of ad-hoc annual plans and after, taking the backlog of unemployed persons at the end of the ad-hoc annual plans and the additional 6.47 lakhs new entrants into the labour force during the fourth plan period, the total job requirement would come to 13 lakhs. The state fourth plan is expected to provide opportunities for 4.23 lakhs full time jobs. From the trend of unemployment as revealed by the employment exchange statistics, it is seen that the highest number of persons on the register of the employment exchanges belong to the unskilled category followed by job seekers interested in clerical and other white collar jobs. There is considerable under employment also in the villages. There is unemployment among engineering degree and diploma holders.

(e) Transport
bottle-
necks:

1.9. Transport difficulties constitutes a very serious bottleneck in maintaining supply lines to Assam which has to depend for most of her essential commodities on supplies from outside the State. The capacity of the

railways is inadequate and the river transport via Bangladesh is at the moment closed while transport by road is costly. As Assam has to import all its capital goods and bulk of consumer's goods from other parts of the country, the price level prevailing in Assam is much higher than that prevalent in the ^{rest} ~~case~~ of the country as the import of goods involves a long transport lead from the purchasing centres. The higher level of prices means that for given outlays the impact of development programmes is very much reduced. The internal transport system is also far from satisfactory. The rail and river services could not reach many of the important market and business centres. Roads, therefore, has to play a very important role in the transport system of the State. But many of the existing roads are deficient in many respects like substandard surface, narrow carriage^{ways}, weak bridges and culverts, missing links etc. which requires to be progressively eliminated.

Strategy
adopted
in the
fourth
plan:

1.10. In view of the agrarian nature of the states economy as well as the chronic food shortages over the past few years, highest priority has been accorded, in the fourth plan, to increase agricultural production, its stabilisation and diversification. The fourth plan includes programmes for rational land use, improved cropping pattern, improved seeds, plant protection, irrigation, use of fertilizer, increased credit facilities, flood control measures, etc. In the related and allied sectors, programmes for development of forestry, livestock, soil conservation, marketing and warehousing have been emphasised as part of a diversified agricultural programme. During the fourth plan maximum efforts are being made to increase productivity in the agricultural sector which will in turn help provide employment to the surplus labour.

1.11. As regards industries sector, efforts are being made in the fourth plan to have a break through of the stagnant industrial sector. Public sector investment is being emphasised as the outlook for private sector investment continues to be uncertain. The industrial development corporation is being strengthened and the development of industrial areas is being emphasised. Provisions have been made for loan and share capital participation to public and private ltd. companies for various projects. But as the funds provided in the state fourth plan are meagre in relation to the requirements the industrial sector continues to be sluggish.

1.12. Small scale industries, handloom, sericulture, Khadi and handicrafts have been given increased emphasis in view of their employment potential and also to ensure dispersal of industries as well as utilisation of local skill and raw materials. In the power sector, all the continuing projects will be completed during the fourth plan in order to ensure adequate capacity to meet the requirement in the fourth plan. Side by side, the transmission schemes will be completed so that the installed capacity is fully utilised. Construction of other state grid for supply of power to West Bengal, Manipur, and Tripura is being emphasised. In view of the objective of increased agricultural production, rural electrification programme has been accorded priority.

Provision has also been made for investigation of a ^{few new} ~~fourth~~ Projects. Because of the limitation of funds no new projects could be included in the fourth plan except the expansion of Namrup Thermal Project to take care of states power requirement during the fifth plan period. One more new generation project, namely, Kyrdenkulai hydel project 2X30 MW, has been included in the fourth plan from the year 1971-72. The overall strategy for power development in the fourth plan

is the integrated development of a state grid as part of the regional grid and the all India grid. To ensure fuller utilisation of the existing power potential built up, emphasis has been given on completing the transmission lines which are necessary for the regional operation and for meeting the requirements of the region as a whole. The programme has been derived on the basis of the fifth load survey conducted by the C.W.&P.C., in 1967. Attempts have been made during the fourth plan period to reduce the backlog of power development in the state by bringing the power generation at par with the all India's average calculated on per capita basis and to build up the necessary potential for meeting the projected requirement at the end of the fourth plan.

1.13. Under the transport and communication section, it is expected that the extension of broadgauge line further inside Assam will be undertaken by the Central Government. In the state plan development of roads has been emphasised as a measure to sub-serve social and economic ends. Along with the expansion of road network, emphasis has been laid on progressive elimination of basic deficiencies like substandard surface, missing links, weak and narrow bridges and culverts etc.. Emphasis has also been given on the construction of industrial roads.

1.14. Social services has been given due emphasis as a part of balanced programme for development. In education along with expansion, improvement of quality and work-orientation has been emphasised. In public health efforts have been taken to improve the standard of medical care and public health facilities and expansion of training of para-medical personnel. The family planning programme has been

intensive. In water supply, the programme has been stepped up to cover as many of the population as possible both in urban and rural areas. The weaker section of the population has been given more attention. For development of hill areas a separate programme has been drawn up and included in the plan.

1.15. In formulating the State's fourth plan as well as the annual plans, the broad national objections have been kept in view. In this context, employment generation has also been accepted as a major objective of the State plan. In drawing up the detailed schemes, efforts have been made to make them more employment oriented without sacrificing the efficiency and economy of the schemes.

Measures taken so far during the fourth plan period

1.16. During the fourth plan period, the Annual plans are being drawn up keeping in view the strategy adopted in the fourth plan. The agricultural production programmes were formulated with the two main objectives of creating conditions conducive to maximisation of production and to provide for adoption of improved practices by the Small farmers. Measures taken to tackle flood and erosion relate to raising and strengthening of existing embankments, construction of sluices, raised platforms etc. These are of course insignificant in view of the vast size of the problem. A much bigger programme with a larger work content was felt necessary. But that could not be undertaken due to meagre allocation of lands made available for the purpose. To ease the unemployment situation prevailing in the state, steps have been taken for setting up of new industries in the state. Endeavour is being made to maximise the utilisation of the capacity of the existing industries. Small industries, sericulture and

weaving and khadi and handicrafts schemes, and schemes which are labour intensive like minor irrigation, soil conservation, flood control, etc. are being encouraged. Special work projects for engaging the unemployed and seasonally unemployed people in the construction of roads, embankments, drainage etc. are being emphasised though their work content is small due to paucity of funds. Small farmers schemes, and scheme for the upliftment of sub-marginal farmers and landless cultivators in a few areas have also been operating. Emphasis has also been given on development of minor irrigation, animal husbandry and expansion of agricultural credit. The progress made so far from the beginning of the fourth plan period under the various sectors of development has been indicated in the sectoral write-ups in the subsequent chapters.

CHAPTER II

THE CURRENT SITUATION

2.1. The level of economic development in Assam even after implementation of three successive five years plans, three ad-hoc annual plans and the four current annual plans is extremely low. While it is true that some advances have been made in certain directions, the state continues to show all the symptoms of an economically backward area, namely, high pressure of population on land, exclusive dependence on agriculture, high incidence of rural under-employment, slow pace of industrialisation, absence of large scale urbanisation, low rate of capital formation, a low level of agricultural technology, increase in weaker section of population like landless labourers, small farmers etc, inadequacy of an economic infra-structure like transport, power, commercial, financial and banking organisation

etc. and the consequent tardy growth of the tertiary sector. In fact, the economy of the state is virtually stagnant and is exhibiting social and economic tensions.

2.2. In the following paragraphs, an attempt is made, in brief, to indicate the current economic situation in its important facts and their implications. The growth of agricultural production, the vital sector of Assam's economy, has been tardy and at times erratic. The main reasons for this may be attributed to the continued dependence of the large majority of growers on the traditional method of cultivation and the vagaries of nature. During the period 1952-53 to 1964-65 the compound growth rate of agricultural production was only 1.17% per annum as against 3.01% for all India. During the decade 1960-61 to 1970-71 the growth rate of foodgrains production in Assam was 1.96% as against the all India growth rate of foodgrains production (during the period 1952-53 to 1969-70) of 2.5% per annum.

2.3. In 1968-69, the foodgrain production for the first time crossed the 20 lakh tonne-mark. During the following year 1969-70, the foodgrains production went down to 19.62 lakh tonnes. The production again registered recovery in 1970-71, the production being 20.35 lakh tonnes. According to present indications, the foodgrains production during 1972-73 is anticipated to be around 18.50 lakh tonnes, against the target of 23.04 lakh tonnes.

2.4. On the industrial front, the progress has been unsatisfactory. This unsatisfactory development in industrial sector is evident from the fact that Assam's share

in the country's net product from manufacturing industries which was barely 2.35 per cent in 1960-61 gradually came down to 1.62% in 1965-66 and further to 1.62% in 1968-69. Moreover, Assam's industrial structure is not diversified and is still dominated by miscellaneous food products, the most important of the growth being tea factories which alone accounted for more than 63 per cent of the net product from manufacturing industries in the State in 1970-71. The trends in the output of certain items of industrial products over the past few years are indicated below:

Item	Unit	68	69	70	71
1. Tea	million Kgs.	202.6	208.2	215.2	229.0
2. Sugar	"	3.6	5.0	5.6	
3. Match	Million gross boxes	3.97	5.12	5.39	5.2
4. Fertiliser	Thousand tonnes				
(a) Urea	"	-	24.7	27.5	30.1 (up- to Oct.)
(b) Ammonia Sulphate	"	-	66.9	60.5	45.0
5. Electricity	Million KWH	227.39	-	*308.1	+359.45
6. Commercial Ply wood.	Million sq. metre	6.77	3.41	3.46	3.45 Up- to Sept.

* figure for 69-70

+ figure for 70-71.

2.5. The general price level in Assam has been rising by leaps and bounds since about the beginning of the third plan till 1967. Index of wholesale prices in Assam (base 1953 = 100) was 177 in 1965 as against 131 in 1960. It jumped further to 247 during 1967. In 1968, the price was still rising but the rise was moderate and the index for the year stood at 263. During 1969, the index of wholesale prices in Assam reversed its upward trend after a decade.

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The index fell down to 243. Thereafter it showed a rising trend. The price index rose to 250 in 1970 and further rose to 254 in 1971.

2.6. On the employment front, the situation in Assam has been deteriorating. During the decade 1961-71 total employment in the organised sector has declined whereas the number of job-sectors during the decade has gone up by 34.37%. The total employment in Assam over decade 61-71 decreased by 4% from 7.26 lakhs at the end of March 1961 to 6.97 lakhs at the end of March 1971. While employment in the public sector increased by 56.5% from 1.70 lakhs in 61 to 2.66 lakhs in 71, the employment in the private sector decreased by 22.4% from 5.56 lakhs in 1961 to 4.31 lakhs in 1971. The number of persons seeking employment through the employment exchanges has been increasing from year to year. The number of job seekers registered with the Employment Exchanges increased from 3,153 in 1961 to 85,808 in 1970, and to 93,800 in 1971. But the number of placement has been dwindling over the years. The number of registration of job seekers with the employment exchanges and the number of placement during the first three years of the placement ~~during the first three years of the fourth plan~~ is indicated below:

<u>Year</u>	<u>Registration</u>	<u>Placement</u>
1969	69,424	4,940
1970	85,808	7,032
1971	90,357	6,015

The above figures are not exhaustive, Moreover, no precise estimates of the extent of under employment in unorganised and mainly rural sector are available. But these figures are indicative of the magnitude of unemployment prevailing in the state.

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2.7. The state income at constant prices has shown a rising trend from Rs. 366.7 crores in 1968-69 (provisional) to Rs. 376.7 in 69-70 and to Rs. 383.4 crores in 1970-71. But the per capita income at constant prices during the same period showed a falling trend. The per capita income in 1968-69 was * and forwent down to Rs. 267.0 in 1970-71. Rs. 270.9 and decreased to Rs. 270.2 in 1969-70. It thus seems that a higher rate of growth for Assam is the imperative need if the State is to contribute meaningfully to the task of national development.

2.8. Thus, the agnising problem of unemployment, lagging industrial sector, instability of agriculture due to vagaries of nature, rising prices and the stagnant condition of the economy continued to be the cause for deep concern. These suggest the necessity of a big & comprehensive programme of development over a long period. In order to create more employment opportunities, it is necessary to provide for increasing public sector investment in growth sectors, diversified industrialisation and more intensive and diversified agricultural practices with scientific method and improved technology, side by side, steps are also necessary to ease rural unemployment and under employment. Efforts are also necessary to mitigate to the extent possible, the problem of educated unemployed, unemployment of technical persons, the care is also to be given to the weaker section of the community, and uplift of backward communities and backward areas. Sufficient efforts have therefore, to be made in these directions during the next year through the State annual plan.

CHAPTER III : THE FINANCIAL OUTLOOK

FOURTH PLAN, 1969-74

3.1. In the context of formation of Meghalaya as an autonomous state within Assam with effect from 2-4-70, an arrangement was aimed at whereby the size of the Fourth Five year Plan of Assam (excluding the outlay of Meghalaya) was to be Rs. 223.75 crores, made up of 182.80 crores as central assistance and Rs. 40.95 crores as State contribution which included a sum of Rs. 25.00 crores to be raised by State Government, through additional taxation and other measures. During the State Annual Plan discussions in New Delhi in January, 1971 the State Finance Minister informed the Planning Commission that it would not be possible for the State Govt. to mobilise additional resources to the extent of Rs. 25.00 crores as earlier contemplated. The Deputy Chairman of the Planning Commission, then advised that in the circumstances the State Govt. should revise the financial outlay and physical targets for the different programmes included in the Fourth Plan so as to match them with the present estimate of resources that would be available for the Plan. Accordingly, a revised Fourth Plan (excluding Meghalaya) was prepared with a total outlay of Rs. 206.00 crores on the basis of the visible resources (Rs. 182.80 crores as central assistance + Rs. 23.20 crores as State contribution). The total outlay of Rs. 206.00 crores for the Fourth plan includes Rs. 174.00 crores for the General Areas and Rs. 32.00 crores for the Hill Areas. The table below will indicate the actual position of central assistance received and the State contribution made towards financing the State Annual Plans from 1969-70 to 1971-72:

(Rupees in crores)

Fourth Plan, 1969-74

Excluding MeghalayaAs per
original
estimateRevised
estimate1969-70
(Actuals)1970-71
(Actuals)1971-72
(Preliminary
actuals)

	1	2	3	4	5
Central assistance	182.80	182.80	28.37	31.28	35.63
Additional resource mobilisation	25.00	2.96	0.07	0.16	0.78
Loans & Borrowings:					
(i) By State Govt.					
a) L.I.C.	0.50	1.32	-	0.15	-
b) R.B.I.	0.25		-	0.18	-
(ii) By State Enterprises:					
a) Market Borrowings	11.00	18.84	-	2.75	3.03
b) Loans from L.I.C.	4.20		-	1.00	1.00
Total	223.75	205.92	31.29	35.52	40.44

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3.2. The Planning Commission earlier fixed the size of the Annual plan, 1972-73 (of Assam including Mizoram) at Rs. 43.00 crores, representing Rs. 35.46 crores as central assistance and 7.54 crores as State share. Subsequently, due to separation of Mizoram from the State of Assam, the above amount of central assistance stands reduced by an amount of Rs. 2.50 crores since allotted to the Union Territory of Mizoram for its Annual Plan, 1972-73. Similarly, out of the State Electricity Boards borrowings, the Planning Commission has allotted a sum of Rs. 0.25 crores to Mizoram increasing the size of Mizoram's Annual Plan to 2.75 crores. Meanwhile, the State Govt. has carried out a realistic assessment of the

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financial resources of the State and on the basis thereof the State contribution that would be available for the plan comes to Rs. 5.38 crores, leaving an uncovered gap of Rs. 1.91 crores for the Annual Plan, 1972-73. This is mainly due to diversion of State resources for maintaining law and order in the State during the recent disturbances, thereby reducing state contribution for the Annual Plan, 1972-73. The table below indicates the position:

	(Rs. in crores)	
	1972-73 excluding Mizoram Original estimate	Latest estimate
Central assistance	32.96	32.96
Add'l. resource mobilisation	1.98	
Loans & Borrowings		
1) by State Govt.		
(a) L.I.C.	0.12	5.38
(b) R.B.I.	0.20	
(2) by State Enterprises		
(a) Market borrowings	3.49	
(b) Loans from L.I.C.	1.50	
Total	40.25	38.34

3.3. Although the total anticipated expenditure under the State Plan for the current year has been shown in excess of the total approved outlay due to taking up of the Rain-crop programme on a large scale in the State, the overall actual expenditure for the year will, however, be limited to the amount of resources in sight, by suitable adjustment under different sectors of development.

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3.4. The draft proposals for 1973-74 included in the State Plan aggregate to a total outlay of Rs. 56.35 crores, made up of Rs. 50.97 crores for the General Areas and Rs. 5.38 crores for the Hill Areas excluding Mizoram. This includes provision required for advance action for the Fifth Plan. This also

includes an amount of Rs. 1.80 crores provided for the Kyrankulai Project, located in Meghalaya under the Power Sector. Therefore, the outlay earlier agreed to by the Planning Commission for this project for 1973-74 should be made available in addition to the outlay determined for the Annual Plan of Assam.

3.5. The draft Annual Plan has been prepared in the light of the guide lines forwarded by the Planning Commission, keeping in view the total physical targets sought to be activated during the Fourth Plan.

3.6. The Central assistance received and likely to be received during the first four years of the Fourth Plan excluding that of Meghalaya and Mizoram is indicated below:

Year	(Rs. in crores)	
	Central assistance	Plan outlay
1969-70 (actuals)	28.37	32.71
1970-71 (actuals)	31.28	37.61
1971-72 (preliminary actuals)	35.63	39.22
1972-73 (budget)	32.96	40.43
Total	128.24	149.97

Assuming that Mizoram may get Central assistance to the tune of Rs. 2.50 crores and 3.00 crores during 1972-73 and 1973-74 respectively making a total of Rs. 5.50 crores, out of the total central assistance of Rs. 182.80 crores, the balance left for Assam comes to Rs. 177.30 crores. The total central assistance received upto 1972-73 as shown above is Rs. 128.24 crores. Therefore, for financing the Annual Plan 1973-74, the State Govt. is entitled to receive central assistance to the extent of Rs. 49 crores in a Plan of Rs. 56.35 crores.

3.7. In this connection, reference is also made to the comments of the Govt. of Assam on the Memorandum of the Govt. of Meghalaya regarding additional funds for the Meghalaya Fourth Plan wherein it is stated that the old division of the Hill plan outlays between Assam & Meghalaya does not hold good. As a matter of fact, Meghalaya's share is ~~likely~~ ^{likely} to be less than Rs. 38 crores allocated to them earlier and to this extent Assam's share of the Fourth Plan and the Central assistance would stand increased.

3.8. The actual position of State contribution for the Annual Plan, 1973-74 will be known after the resource working group discussions to be held in New Delhi.

CHAPTER IV

THE SECTORAL PROGRAMME

4.1. A brief review of the working of important programmes, their progress and the financial allocation envisaged as well as physical objectives for the important programmes in the 1973-74 Plan have been indicated in the sectoral write-ups separately.

CHAPTER V

PROGRAMME FOR BACKWARD AREAS/COMMUNITIES

5.1. Fourth Five year Plan lays due emphasis, as far as practicable, on the development of backward areas and weaker sections of the population for correcting economic imbalances as a step towards building up a socialistic society. This objective assumes special significance in case of Assam in view of the fact that the population belonging to scheduled castes, scheduled tribes and other backward classes forms a good percentage of total population. This

This objective is also important for the fact that a good number of backward pockets and areas exists all over the state. Further weaker section of the population like small farmers, share croppers, landless agriculturalist, village craftsmen etc. forms a large number of population. Indigent people are not confined to backward areas only. There are scattered localities all over the state which are backward in some respect or other.

5.2. Economic upliftment of backward and weaker section of population is being done in two ways. For the areas inhabited by backward classes, the general development programme is supplemented by specific programmes for welfare of backward classes.

5.3. The welfare of backward classes programme in plains areas are grouped under three heads, education, economic uplift, and health housing and miscellaneous. The education group includes schemes like free education, scholarships, grants for cultural activities etc. Economic uplift group includes schemes like stipends in different crafts, development of cottage industries, sericulture and weaving, improvement of communication grants to cooperatives etc. Health and housing group includes, provision for rural water supply, establishment of dispensaries, grants to patients suffering from T.B. and other fever diseases. These broad schemes were included in all the annual plans from 69-70 onward and are also proposed in the annual plan for 73-74.

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5.4. For the economic betterment of the people belonging to weaker sections of the population, efforts are continually being made to reach the agricultural inputs, survive facilities and to extend the benefit of agricultural credit to the small farmers and share croppers. Project for develop-

development of small farmers, marginal farmers and agricultural labourers, in Assam, is also under implementation in the Central sector. This project has three components to take care of the problems relating to the three specific categories of rural people, namely, small farmers marginal farmers and agricultural labourers. It is also the policy of the State Government to distribute available surplus land to the landless agriculturalists and people who are affected by floods and soil erosion. Legislative ^{measures} members have been taken fixing land ceiling and surplus lands are proposed to be distributed among the landless people.

5.5. For the village craftsmen, cooperative societies have been set up and arrangements are being made for extending technical advice, financial assistance and assistance relating to supply of materials and implements. Khadi and handloom weaving programmes are being encouraged to provide employment to rural craftsmen.

CHAPTER VI

ADMINISTRATIVE POLICY AND INSTITUTIONAL FRAMEWORK

6.1. The State Govt. has already constituted a Planning Board at the State level with the Chief Minister as Chairman and a whole-time Member for the present to start with. It has been proposed to include some more Members to the Planning Board in the near future. Necessary staff for the Planning Board is being recruited.

6.2. One of the functions of the Planning Board is to take up planning from the sub-divisional/district level. In this connection, the basic data relating to the different p-hysico-geographical and economic conditions prevailing

in the different regions of the State are being collected. Attempt is being made to prepare a long-term perspective plan for the district/sub-divisions indicating the economic activities to be promoted in the district/sub-divisions, the measures to be taken to develop and conserve natural resources and build up infra-structural facilities and social services. Action has already been initiated to break-up the financial outlays and physical targets of the district level schemes included in the Annual Plan, - Sub-division -wise.

6.3. For preparation of district/sub-divisional plans, proposals for strengthening the district staff and the planning cells of the different development departments are under consideration of the Govt.

6.4. With a view to securing advice on various aspects of development in the Hill Areas, the Planning Board for the Hill Areas of Assam constituted in 1960 is being continued. Besides, the Advisory Councils constituted for the welfare of the Plains Tribals, Scheduled Castes and other Backward Classes of the State continue to provide guide lines in regard to the development activities required to be taken up for the welfare of these backward people.

Outlay and Expenditure - SUMMARY STATEMENT.

(Rs. in lakhs)

Head/ Sub-Head.	Fourth Plan outlay 1969-74 Revised.	Actual Expenditure			1972-73		1973-74		
		1969-70	1970-71	1971-72	Approved outlay	Anticipated Expdr.	Proposed Total Capital	Foreign Exchange	Change
1	2	3	4	5	6	7	8	9	10
Agricultural Education & Research									
General	144.66	25.04	29.07	35.15	35.00	35.00	40.00	6.25	-
Hill	15.87	1.85	2.07	1.42	2.65	2.65	3.20	0.85	-
<u>Total</u>	160.53	26.89	31.14	36.57	37.65	37.65	43.20	7.10	-
Agricultural Production									
General	815.34	152.37	132.93	149.28	159.00	196.10	165.06	17.54	-
Hill	273.99	39.15	58.57	47.71	27.42	27.42	41.03	5.36	-
<u>Total</u>	1089.33	191.52	191.50	196.99	186.42	223.52	206.09	22.90	-
Small Farmers & Agricultural Labourers.									
General	-	-	-	-	-	-	-	-	-
Hill	-	-	-	-	-	-	-	-	-
<u>Total</u>	-	-	-	-	-	-	-	-	-
Land Reforms									
General	160.00	19.92	22.64	23.20	28.00	42.30	51.94	-	-
Hill	10.14	2.99	1.15	1.15	1.05	1.05	1.15	-	-
<u>Total</u>	170.14	22.91	23.79	24.35	29.05	43.35	53.09	-	-
Minor Irrigation:-									
(a) by Agriculture Deptt.									
General	400.00	38.43	61.04	96.91	94.00	94.00	110.62	80.00	6.00
Hill	70.00	15.39	12.00	10.04	11.50	11.50	16.80	11.04	-
<u>Total</u>	470.00	53.82	73.04	106.95	105.50	105.50	127.42	91.04	6.00

~~(2)~~ (ii)

	1	2	3	4	5	6	7	8	9	10
(b) by P.W.D.(F.C.&I)										
General	600.00	60.00	75.00	117.72	135.00	135.00	212.28	212.28	-	-
Hill	45.00	9.41	5.09	13.00	9.00	9.00	8.50	7.31	-	-
<u>Total</u> -	645.00	69.41	80.09	130.72	144.00	144.00	220.78	219.59	-	-
Soil Conservation.										
General	105.00	9.96	17.42	23.36	21.00	21.00	33.26	24.70	-	-
Hill	200.00	25.38	37.42	28.88	26.29	26.29	40.00	28.30	-	-
<u>Total</u> -	305.00	35.34	54.84	52.24	47.29	47.29	73.26	53.00	-	-
Area Development Programme										
General	13.00	0.40	1.00	1.33	3.00	2.00	3.00	-	-	-
Hill	-	-	-	-	-	-	-	-	-	-
<u>Total</u>	13.00	0.40	1.00	1.33	3.00	2.00	3.00	-	-	-
Animal Husbandry.										
General	340.00	47.08	55.46	65.40	68.00	68.00	97.58	20.05	-	-
Hill	92.00	15.49	17.53	12.40	14.84	14.84	17.10	-	-	-
<u>Total</u> -	432.00	62.57	72.99	77.80	82.84	82.84	114.68	20.05	-	-
Dairying & Milk Supply.										
General	70.00	13.00	11.52	17.70	18.00	18.00	16.26	2.50	-	-
Hill	8.00	-	0.60	2.00	2.50	2.50	2.90	-	-	-
<u>Total</u> -	78.00	13.00	12.12	19.70	20.50	20.50	19.16	2.50	-	-
Forest.										
General	265.00	36.93	48.92	55.12	54.00	54.00	70.03	48.78	-	-
Hill	50.00	8.69	11.21	9.28	8.00	8.00	12.82	5.70	-	-
<u>Total</u> -	315.00	45.62	60.13	64.40	62.00	62.00	82.85	54.48	-	-

-/-

	1	2	3	4	5	6	7	8	9	10
Fisheries.										
General	100.00		10.47	14.21	24.72	19.00	19.00	31.60	14.90	6.00
Hill	10.00		0.10	1.18	1.26	1.60	1.60	2.26	1.15	-
<u>Total</u> -	<u>110.00</u>		<u>10.57</u>	<u>15.39</u>	<u>25.98</u>	<u>20.60</u>	<u>20.60</u>	<u>34.46</u>	<u>16.05</u>	<u>6.00</u>
Warehousing, Marketing & Storage.										
General	20.00		-	4.00	4.75	4.00	4.00	7.25	7.25	-
Hill	-		-	-	-	-	-	-	-	-
<u>Total</u> -	<u>20.00</u>		<u>-</u>	<u>4.00</u>	<u>4.75</u>	<u>4.00</u>	<u>4.00</u>	<u>7.25</u>	<u>7.25</u>	<u>-</u>
<u>I. Total Agricultural Production Programme.</u>										
General	<u>3033.00</u>		<u>413.60</u>	<u>473.21</u>	<u>614.64</u>	<u>638.00</u>	<u>688.40</u>	<u>838.88</u>	<u>434.25</u>	<u>12.00</u>
Hill	<u>775.00</u>		<u>111.45</u>	<u>146.82</u>	<u>127.14</u>	<u>104.85</u>	<u>104.85</u>	<u>146.36</u>	<u>59.71</u>	<u>-</u>
<u>Total</u> -	<u>3808.00</u>		<u>532.05</u>	<u>620.03</u>	<u>741.78</u>	<u>742.85</u>	<u>793.25</u>	<u>985.24</u>	<u>493.96</u>	<u>12.00</u>
Cooperation.										
General	344.00		21.09	64.96	68.14	68.00	68.00	121.81	60.45	-
Hill	55.00		8.87	3.84	3.98	8.00	8.00	17.02	9.71	-
<u>Total</u> -	<u>399.00</u>		<u>29.96</u>	<u>68.80</u>	<u>72.12</u>	<u>76.00</u>	<u>76.00</u>	<u>138.83</u>	<u>70.16</u>	<u>-</u>
Community Development.										
General	215.00		53.50	37.74	48.23	47.00	47.00	28.48	5.11	-
Hill	75.50		18.60	13.43	15.56	8.25	8.25	8.75	1.39	-
<u>Total</u> -	<u>290.50</u>		<u>72.10</u>	<u>51.17</u>	<u>63.84</u>	<u>55.25</u>	<u>55.25</u>	<u>37.23</u>	<u>6.50</u>	<u>-</u>
Panchayat.										
General	60.00		4.81	5.09	6.38	10.00	10.00	14.50	4.75	-
Hill	2.50		-	0.08	0.14	0.75	0.75	1.00	-	-
<u>Total</u> -	<u>62.50</u>		<u>4.81</u>	<u>5.17</u>	<u>6.52</u>	<u>10.75</u>	<u>10.75</u>	<u>15.50</u>	<u>4.75</u>	<u>-</u>
II. Total Community Development, Cooperation & Panchayat.										
General	<u>619.00</u>		<u>79.40</u>	<u>107.79</u>	<u>122.80</u>	<u>125.00</u>	<u>125.00</u>	<u>164.79</u>	<u>70.31</u>	<u>-</u>
Hill	<u>133.00</u>		<u>27.47</u>	<u>17.35</u>	<u>19.68</u>	<u>17.00</u>	<u>17.00</u>	<u>26.77</u>	<u>11.10</u>	<u>-</u>
<u>Total</u> -	<u>752.00</u>		<u>106.87</u>	<u>125.14</u>	<u>142.48</u>	<u>142.00</u>	<u>142.00</u>	<u>191.56</u>	<u>81.41</u>	<u>-</u>

	2	3	4	5	6	7	8	9	10	
<u>Irrigation.</u>										
General	490.00	55.00	55.00	79.00	110.00	110.00	191.00	191.00	-	
Hill	67.00	15.29	5.88	5.65	10.00	10.00	30.18	29.18	-	
<u>Total</u>	557.00	70.29	60.88	84.65	120.00	120.00	221.18	220.18	-	
<u>Flood Control:-</u>							*	*		* In addition to
General (Brahma-putra Bank)	1989.00	489.66	510.00	460.00	460.00	460.00	69.34	69.34	-	the State Plan provision of Rs.69.34 lakhs for 1973-74
Hill (Barak)	450.00	53.15	70.00	87.00	64.00	64.00	175.85	175.85	-	an additional central assistance of Rs. 486.00 lakhs is required to continue the schemes in the Brahmaputra Valley outside the State Plan ceiling.
<u>Total</u>	2439.00	542.81	580.00	547.00	524.00	524.00	245.19	245.19	-	
<u>Power.</u>										
General	3339.00	854.30	697.18	709.00	700.00	700.00	1195.75	980.75	-	
Hill	229.00	32.02	37.00	34.60	9.50	9.50	6.50	6.50	-	
<u>Total.</u>	3568.00	886.32	734.18	743.60	709.50	709.50	1202.25	987.25	-	
<u>III. Total Irrigation & Power.</u>										
General	6268.00	1452.11	1332.18	1335.00	1334.00	1334.00	1631.94	1416.94	-	
Hill	341.00	47.31	42.88	40.25	29.50	29.50	71.68	70.68	-	
<u>Total</u>	6609.00	1499.42	1375.06	1375.25	1363.50	1363.50	1703.62	1487.62	-	
<u>Large & Medium Industries including Weights & Measures.</u>										
General	1270.00	148.50	195.10	241.85	265.00	265.00	418.55	393.11	138.50	
Hill	-	-	-	-	-	-	-	-	-	
<u>Total</u>	1270.00	148.50	195.10	241.85	265.00	265.00	418.55	393.11	138.50	
<u>Mineral Development.</u>										
General	75.00	10.59	12.70	20.82	15.00	15.00	19.89	-	-	
Hill	-	-	-	-	-	-	-	-	-	
<u>Total</u>	75.00	10.59	12.70	20.82	15.00	15.00	19.89	-	-	

	1	2	3	4	5	6	7	8	9	10
<u>Village & Small Industries:-</u>										
a) Cottage Industries:-										
General	184.00	22.00	17.00	23.50	48.50	48.50	74.00	59.45	-	-
Hill	70.00	16.67	10.80	7.10	11.20	11.20	15.50	8.03	-	-
<u>Total -</u>	<u>254.00</u>	<u>38.67</u>	<u>27.80</u>	<u>30.60</u>	<u>59.70</u>	<u>59.70</u>	<u>89.50</u>	<u>67.48</u>	-	-
b) Sericulture & Weaving										
General	120.00	8.30	14.09	17.10	40.00	40.00	50.41	-	-	-
Hill	17.50	1.15	2.96	2.32	3.90	3.90	5.67	-	-	-
<u>Total</u>	<u>137.50</u>	<u>9.45</u>	<u>17.05</u>	<u>19.42</u>	<u>43.90</u>	<u>43.90</u>	<u>56.08</u>	-	-	-
c) Cooperative Handloom-										
General	100.00	11.02	21.26	21.67	17.10	17.00	29.05	-	-	-
Hill	3.00	0.48	0.51	0.30	0.37	0.37	0.55	-	-	-
<u>Total -</u>	<u>103.00</u>	<u>11.50</u>	<u>21.77</u>	<u>21.97</u>	<u>17.47</u>	<u>17.37</u>	<u>29.60</u>	-	-	-
d) Khadi & Village Industries.										
General	30.00	3.00	4.10	3.88	4.40	4.40	5.73	-	-	-
Hill.	4.50	0.55	1.06	1.46	1.00	1.00	1.18	-	-	-
<u>Total</u>	<u>24.50</u>	<u>3.55</u>	<u>5.16</u>	<u>5.34</u>	<u>5.40</u>	<u>5.40</u>	<u>6.91</u>	-	-	-
IV- <u>Total Industry & Mining.</u>										
General	<u>1749.00</u>	<u>203.41</u>	<u>264.25</u>	<u>323.82</u>	<u>390.00</u>	<u>389.90</u>	<u>597.63</u>	<u>452.56</u>	<u>138.50</u>	-
Hill.	<u>95.00</u>	<u>18.85</u>	<u>15.33</u>	<u>11.18</u>	<u>16.47</u>	<u>16.47</u>	<u>22.90</u>	<u>8.03</u>	-	-
<u>Total -</u>	<u>1844.00</u>	<u>222.26</u>	<u>279.58</u>	<u>340.00</u>	<u>406.47</u>	<u>406.37</u>	<u>620.53</u>	<u>460.59</u>	<u>138.50</u>	-
Roads.										
General	1275.00	223.72	342.10	289.40	260.00	260.00	159.78	159.78	-	-
Hill	1055.00	135.76	210.75	195.50	101.52	106.91	121.00	111.00	-	-
<u>Total -</u>	<u>2330.00</u>	<u>359.48</u>	<u>552.85</u>	<u>484.90</u>	<u>361.52</u>	<u>366.91</u>	<u>280.78</u>	<u>270.78</u>	-	-

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	1	2	3	4	5	6	7	8	9	10
Road Transport & Transport Survey Unit										
General (R.T. (T.S.a.	363.00	24.57	66.06	47.69	84.20	84.20	140.00	140.48	-	-
Hill	44.00	10.16	4.30	8.00	5.75	5.75	8.45	5.45	-	-
<u>Total</u>	<u>410.00</u>	<u>34.93</u>	<u>70.58</u>	<u>56.01</u>	<u>90.75</u>	<u>90.75</u>	<u>150.34</u>	<u>145.93</u>	-	-
Other Transport (I.W.F.)										
General	85.00	7.00	9.40	18.60	21.00	21.00	29.00	20.00	-	-
Hill	15.00	1.00	0.90	0.72	-	-	-	-	-	-
<u>Total -</u>	<u>100.00</u>	<u>8.00</u>	<u>10.30</u>	<u>19.32</u>	<u>21.00</u>	<u>21.00</u>	<u>29.00</u>	<u>20.00</u>	-	-
Tourism										
General	30.00	2.66	2.70	3.76	5.00	5.00	15.88	9.85	-	-
Hill	2.00	-	-	0.32	0.75	0.75	0.93	0.93	-	-
<u>Total -</u>	<u>32.00</u>	<u>2.66</u>	<u>2.70</u>	<u>4.08</u>	<u>5.75</u>	<u>5.75</u>	<u>16.81</u>	<u>10.78</u>	-	-
V Total Transport & Communication.										
General	<u>1756.00</u>	<u>258.20</u>	<u>420.48</u>	<u>359.77</u>	<u>371.00</u>	<u>371.00</u>	<u>346.55</u>	<u>330.11</u>	-	-
Hill	<u>1116.00</u>	<u>146.92</u>	<u>215.95</u>	<u>204.54</u>	<u>108.02</u>	<u>113.41</u>	<u>130.87</u>	<u>117.38</u>	-	-
<u>Total -</u>	<u>2872.00</u>	<u>405.12</u>	<u>638.88</u>	<u>564.31</u>	<u>479.02</u>	<u>484.41</u>	<u>476.93</u>	<u>447.49</u>	-	-
General Education										
General	1575.00	184.51	248.10	283.58	318.00	318.00	540.00 540.89	31.10	-	-
Hill.	270.00	24.85	45.00	56.20	40.50	40.50	50.92	5.00	-	-
<u>Total -</u>	<u>1845.00</u>	<u>209.36</u>	<u>293.10</u>	<u>339.78</u>	<u>358.50</u>	<u>358.50</u>	<u>591.81</u>	<u>36.10</u>	-	-
Technical Education.										
General	173.00	19.13	20.75	19.10	32.00	25.19	59.13	31.38	-	-
Hill.	10.00	0.64	0.46	2.10	2.95	2.95	3.00	3.00	-	-
<u>Total -</u>	<u>183.00</u>	<u>19.77</u>	<u>21.21</u>	<u>21.20</u>	<u>34.95</u>	<u>28.14</u>	<u>62.13</u>	<u>34.38</u>	-	-

-/-

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Health.										
General		688.00	67.79	121.70	97.29	124.00	123.25	277.97	185.46	-
Hill.		120.00	10.72	11.62	14.17	19.53	14.14	24.02	16.40	-
<u>Total -</u>		808.00	78.51	133.32	111.46	143.53	137.39	301.99	201.86	-
Nutrition Programme.										
General		-	-	-	-	-	-	-	-	-
Hill		-	-	-	-	-	-	-	-	-
<u>Total</u>		-	-	-	-	-	-	-	-	-
Water Supply.										
General		429.00	24.86	43.86	47.14	100.00	100.00	215.64	215.64	-
Hill.		175.00	12.42	29.07	27.45	17.26	17.26	33.97	29.34	-
<u>Total</u>		604.00	37.28	72.93	74.59	117.26	117.26	249.61	244.98	-
Housing.										
General		100.00	7.37	9.97	22.83	26.00	26.00	33.83	32.31	-
Hill.		14.00	5.04	3.44	1.85	0.80	0.80	4.05	0.80	-
<u>Total-</u>		114.00	12.41	13.41	24.68	26.80	26.80	37.88	33.11	-
Urban Development										
General		210.00	19.53	29.73	24.98	31.00	31.00	104.76	103.76	-
Hill.		32.00	9.31	6.30	3.60	4.00	4.00	5.00	2.00	-
<u>Total -</u>		242.00	28.84	36.03	28.58	35.00	35.00	109.76	105.76	-
Welfare of Backward Classes.										
General		500.00	78.35	94.99	111.14	107.00	107.00	120.55	-	-
Hill.		-	-	-	-	-	-	-	-	-
<u>Total -</u>		500.00	78.35	94.99	111.14	107.00	107.00	120.55	-	-
Social Welfare.										
General		40.00	1.34	4.36	5.36	10.00	10.00	18.94	8.78	-
Hill.		5.50	0.70	1.05	1.25	0.76	0.76	0.80	-	-
<u>Total -</u>		45.50	2.04	5.41	6.61	10.76	10.76	19.74	8.78	-

(9) (viii)

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Labour & Labour Welfare.

(a) Labour.

General	10.00	0.76	1.71	0.12	2.30	2.17	5.11	3.14	-
Hill	-	-	-	-	-	-	-	-	-
Total	10.00	0.76	1.71	0.12	2.30	2.17	5.11	3.14	-

(b) Employment.

General	6.00	0.08	0.38	1.33	1.40	1.40	2.81	-	-
Hill	3.00	0.06	0.37	0.57	0.74	0.74	1.10	-	-
Total	9.00	0.14	0.75	1.90	2.14	2.14	3.91	-	-

(c) Craftsmen Training.

General	48.00	5.80	6.00	3.11	10.00	10.00	15.00	13.50	-
Hill	10.00	0.90	0.50	0.42	1.20	1.20	1.20	0.72	-
Total	58.00	6.70	6.50	3.53	11.20	11.20	16.20	14.22	-

(d) Employees State Insurance.

General	6.00	1.13	1.00	1.00	1.30	1.30	1.57	-	-
Hill	-	-	-	-	-	-	-	-	-
Total	6.00	1.13	1.00	1.00	1.30	1.30	1.57	-	-

VI-Total Social Services.

General	3785.00	410.65	582.55	616.98	763.00	755.31	1396.20	625.07	-
Hill	639.50	64.64	97.81	107.61	87.74	82.35	124.06	57.26	-
Total	4424.50	475.29	680.36	724.59	850.74	837.66	1520.26	682.33	-

Statistics.

General	14.00	1.31	2.60	3.51	4.00	4.00	5.30	-	-
Hill	-	-	-	-	-	-	-	-	-
Total	14.00	1.31	2.60	3.51	4.00	4.00	5.30	-	-

----- 1. ----- 2. ----- 3. ----- 4. ----- 5. ----- 6. ----- 7. ----- 8. ----- 9. ----- 10. -----

Information & Publicity:-

(a) Publicity									
General	26.11	6.39	3.23	3.51	4.00	4.00	8.12	2.00	-
Hill.	8.00	0.83	0.71	1.08	0.75	0.75	2.39	1.00	-
<u>Total</u>	34.11	7.22	3.99	4.59	4.75	4.75	10.51	3.00	-
(b) Cultural Programme									
General	13.89	0.37	0.52	0.88	10.00	7.69	32.80	3.00	1.00
Hill.	-	-	-	-	0.50	0.50	0.70	-	-
<u>Total.</u>	13.89	0.37	0.52	0.88	10.50	8.19	33.50	3.00	1.00
Evaluation Machinery.									
General	4.00	-	0.20	0.21	1.00	1.00	2.00	-	-
Hill.	-	-	-	-	-	-	-	-	-
<u>Total</u>	4.00	-	0.20	0.21	1.00	1.00	2.00	-	-
Others:-									
(a) P. & D. Organisation.									
General	10.00	-	0.25	0.50	4.00	4.00	8.25	-	-
Hill.	12.50	1.41	1.86	2.47	3.00	3.00	3.50	-	-
<u>Total</u>	22.50	1.41	2.11	2.97	7.00	7.00	11.75	-	-
(b) Local Bodies .									
General	60.00	1.50	6.13	4.18	13.00	13.00	39.88	-	-
Hill.	-	-	-	-	-	-	-	-	-
<u>Total</u>	60.00	1.50	6.13	4.18	13.00	13.00	39.88	-	-
(c) Assam Govt. Press.									
General	42.00	-	3.50	2.50	11.00	11.00	25.00	23.50	4.30
Hill.	-	-	-	-	-	-	-	-	-
<u>Total.</u>	42.00	-	3.50	2.50	11.00	11.00	25.00	23.50	4.30

----- 1 ----- 2 ----- 3 ----- 4 ----- 5 ----- 6 ----- 7 ----- 8 ----- 9 ----- 10 -----

(c) Others.

General	-	-	-	-	-	-	-	-	-
Hill.	80.00	18.35	25.63	15.20	7.17	7.17	9.50	-	-
<u>Total</u> -	80.00	18.35	25.63	15.20	7.17	7.17	9.50	-	-

VII Total Miscellaneous

General	170.00	9.57	16.48	15.29	47.00	44.69	121.35	28.50	5.30
Hill.	100.50	20.59	28.20	18.75	11.42	11.42	16.09	1.00	-
<u>Total</u> .	270.50	30.16	44.68	34.04	58.42	56.11	137.44	29.50	5.30

GRAND TOTAL -

General	17400.00	2826.94	3196.94	3393.30	3668.00	3708.30	5097.34	3357.74	155.80
Hill.	3200.00	444.23	564.34	529.15	375.00	375.00	538.24	325.16	-
<u>Total</u> ..	20600.00	3271.17	3761.28	3922.45	4043.00	4083.30	5635.58	3682.90	155.80

P/M.
18/11/72.

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DRAFT ANNUAL PLAN - 1973-74.
PROGRAMME-WISE OUTLAY AND EXPENDITURE.

Sl. No.	Programme	Fourth Plan		Actual expenditure				1972-73				1973-74			
		outlay		1969-70	1970-71	1971-72	Approved outlay	Anticipated Expenditure	Proposed outlay						
		General	Hill	General	Hill	General	Hill	General	Hill	General	Hill	General	Hill		
		al.		al.		al.		al.		al.		al.			
		3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.

I. Agricultural Programme.

1) Agricultural Education and Research.

1). Agricultural Education.	119.07	-	18.57	-	24.50	-	30.44	-	30.00	-	30.00	-	35.00	-
2). Agricultural Research.	25.59	15.87	6.47	1.85	4.57	2.03	4.71	1.42	5.00	2.65	5.00	2.65	5.00	3.20
Total (1&2)	144.66	15.87	25.04	1.85	29.07	2.07	35.15	1.42	35.00	2.65	35.00	2.65	40.00	3.20

ii) Agriculture

1). Extension, Training and Farmer's Education.	147.67	45.62	24.70	4.58	25.97	9.96	28.56	8.73	33.35	2.40	18.70	2.40	18.30	3.30
2). Improved Seed Programme.	44.47	56.83	22.47	8.50	11.00	15.55	19.69	11.13	2.50	4.35	1.25	4.35	2.00	9.31
3). Manures & Fertilisers.	28.98	17.08	3.85	1.34	3.33	2.05	2.79	1.27	7.84	1.20	9.84	1.2	9.40	1.49
4). Plant Protection.	51.70	12.00	6.22	1.58	5.48	3.08	7.83	2.03	10.00	1.10	10.00	1.10	12.00	1.33
5). Agricultural Implements & Machinery including Agro-Industries Corporation.	63.08	10.72	3.25	1.12	2.58	1.95	4.69	1.74	7.00	1.55	4.50	1.55	4.94	1.88

(xii)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
6. Horticulture			28.32	13.64	3.89	2.10	4.34	2.36	4.58	1.45	7.25	1.25	6.50	1.25	7.00	2.06
7. Agriculture Statistics.			5.31	0.44	-	-	10.31	-	0.41	0.03	3.50	0.15	3.00	0.15	3.00	0.17
8. H.V.P., I.A.D.P., Multiple cropping and other intensive cultivation Programmes.			130.85	6.85	23.02	1.00	22.83	0.60	24.67	0.69	27.50	1.80	93.50	1.80	50.45	1.80
9. Land Development			116.99	30.63	33.08	7.31	23.21	7.73	18.02	4.52	13.50	2.45	10.50	2.45	9.00	6.75
10. Land Reforms (including consolidation of holdings).			150.00	10.14	19.92	2.99	22.64	1.15	23.20	1.15	28.00	1.05	42.30	1.05	51.94	1.15
11. Others.			194.47	81.18	31.89	11.62	33.83	14.79	38.04	16.07	44.56	11.17	38.31	11.17	48.97	12.93
Total (1 to 11)			975.34	300.00	172.29	43.99	155.57	61.79	172.48	50.28	137.00	31.12	238.40	31.12	217.00	45.38
iii. Minor Irrigation.																
1. Construction/repair of percolation wells.			-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Boring of wells			16.50	-	2.05	-	2.75	-	4.53	-	4.00	-	4.00	-	5.00	-
3. Construction of tube wells.			5.15	-	0.35	-	0.25	-	0.53	-	1.20	-	1.20	-	2.00	-
4. Lift irrigation from streams, reservoirs, etc. (Agri)			206.00	24.45	17.09	6.36	34.06	6.99	57.00	4.37	50.00	2.78	50.00	2.78	50.00	4.50
5. Installation of electric pumps.			600.00	-	60.00	-	75.00	-	117.72	-	135.00	-	135.00	-	212.28	-

Contd.

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Others.	172.35	90.55	18.94	18.44	23.98	10.10	34.85	18.67	38.80	17.72	38.80	17.72	53.62	20.76	
Total (1 to 7)	1000.00	115.00	98.43	24.80	136.04	17.09	214.63	23.04	229.00	20.50	229.00	20.50	322.90	25.30	
1). Soil Conser- vation.	105.00	200.00	9.96	25.38	17.42	37.42	23.36	28.88	21.00	26.29	21.00	26.29	33.26	40.00	
2). Area Develop- ment.	13.00	-	0.40	-	1.00	-	1.33	-	3.00	-	2.00	-	3.00	-	
3). Animal Husb- andry.	340.00	92.00	47.08	15.49	55.46	17.53	65.40	12.40	68.90	14.84	68.00	14.84	97.53	17.10	
4). Dairying & Milk Supply.	70.00	8.00	13.00	-	11.52	0.60	17.70	2.00	18.00	2.50	18.00	2.50	16.26	2.90	
5). Forests.	265.00	50.00	36.93	8.69	48.92	11.21	55.12	9.28	54.00	8.00	54.00	8.00	70.03	12.82	
6). Fisheries.	100.00	10.00	10.47	0.10	14.21	1.18	24.72	1.26	19.00	1.60	19.00	1.60	31.60	2.86	
7). Warehousing & Storage.	20.00	-	-	-	4.00	-	4.75	-	4.00	-	4.00	-	7.25	-	
8). Marketing (shown under II others)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9). Small Farmers & Agriculture Labour.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
II. Cooperation.															
Agricultural Cre- dit.	141.74	0.95	5.89	-	25.86	0.34	29.55	0.25	25.69	0.35	25.69	0.35	54.60	0.26	
Marketing	30.65	8.70	3.51	0.79	6.03	1.43	10.42	2.29	10.85	2.95	10.85	2.95	18.61	5.05	
Processing other than sugar factories and large proce- ssing unit.	59.00	-	1.75	-	15.53	-	11.50	-	9.00	-	9.00	-	10.91	7.25	

Contd..

(xiv)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
1. Coop. Sugar Factories.	16.00	-	-	-	-	-	2.04	-	2.00	-	1.00	-	1.00	-	10.00	-
5. Coop. Farming.	11.00	-	0.25	-	-	-	1.20	-	1.00	-	3.50	-	3.50	-	3.94	-
6. Urban Consumer Coops.	26.00	-	2.34	-	-	-	5.15	-	4.07	0.36	6.98	0.94	6.98	0.94	6.47	1.00
7. Coop. Storage.	16.00	-	1.50	-	-	-	3.96	-	2.10	-	1.98	-	1.93	-	2.70	-
8. Additional Deptt. staff.	15.28	3.00	1.14	-	0.14	-	2.00	0.04	2.30	0.44	3.50	0.62	3.50	0.62	7.50	0.66
9. Others.	28.33	42.35	4.71	-	7.94	-	3.19	1.93	5.20	0.64	5.50	3.14	5.50	3.14	7.03	2.80
Total (1 to 9)	344.00	55.00	21.09	-	8.87	-	64.96	3.84	68.14	3.98	68.00	8.00	68.00	8.00	121.81	17.02
x) Community Development.	215.00	75.50	53.50	-	18.60	-	37.74	13.43	48.28	15.56	47.00	8.25	47.00	8.25	28.43	8.75
xi) Panchayats	60.00	2.50	4.81	-	-	-	5.09	0.03	6.38	0.14	10.00	0.75	10.00	0.75	14.50	1.00
Total (i) to (Xv)	3652.00	908.00	493.00	-	145.92	-	581.00	164.17	737.44	146.82	763.00	121.85	813.40	121.85	1003.67	173.13

I. Irrigation & Power1. Irrigation.

a) Barmarked projects (project wise)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b) Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(1) Continuing

a) Major (Project-wise) Dhansiri Irrigation Project).	20.00	-	-	-	-	-	-	-	-	-	-	-	-	-	20.00	-
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	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
b). Medium		281.00	63.00	50.00	15.29	50.00	4.88	61.00	4.65	78.00	9.00	78.00	9.00	70.00	29.18	
(2) New		164.00	-	-	-	-	-	13.00	-	30.65	-	30.65	-	96.00	-	
c). Investiga- tion & Resea- rch.		25.00	4.00	5.00	-	5.00	1.00	5.00	1.00	1.35	1.00	1.35	1.00	5.00	1.00	
Total :		490.00	67.00	55.00	15.29	55.00	5.88	79.00	5.65	110.00	10.00	110.00	10.00	191.00	30.18	

(ii) Power

a). Farnarked 32 Projects (proj- ect-wise).																	
b). Others																	
1). Generation.	1378.45	-	311.75	-	255.03	-	262.00	-	184.00	-	184.00	-	556.00	-			
2). Transmission & Distribu- tion.	342.19	212.50	136.13	32.02	240.95	37.00	167.00	34.60	205.00	3.00	205.00	3.00	294.75	-			
c). Rural Ele- ctrificati- on.	600.00	16.50	62.20	-	91.06	-	135.00	-	150.00	6.50	150.00	6.50	150.00	6.50			
d). Investiga- tions.	48.52	-	41.61	-	13.31	-	10.00	-	10.00	-	10.00	-	30.00	-			
e). Miscellan- eous.	469.84	-	252.61	-	96.83	-	135.00	-	151.00	-	161.00	-	165.00	-			
Total :	3339.00	229.00	854.30	32.02	697.18	37.00	709.00	34.60	700.00	9.50	700.00	9.50	1195.75	6.50			

vi)

10.	11.	12.	13.	14.	15.	16.	17.
-	90.00	-	90.00	-	88.50	-	-
-	6.00	-	6.00	-	6.00	-	-
-	145.40	-	145.40	-	287.11	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	23.60	-	23.60	-	36.94	-	-
-	265.00	-	265.00	-	418.55	-	-

Contd.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
(ii) <u>Village & Small Industries</u>																
1). Handloom Industry:	35.00	4.15	1.00	0.40	1.61	0.70	2.77	0.45	10.00	1.12	10.00	1.12	13.11	1.50		
2). (i) Sericulture (ii) Cooperative.	72.45	3.00	4.82	0.48	12.41	0.51	18.18	0.30	12.82	0.37	12.82	0.37	19.11	0.55		
3). Power Looms.	27.55	-	6.20	-	8.85	-	3.50	-	4.28	-	4.18	-	9.94	-		
4). Small Scale Industries.	143.00	66.87	17.24	16.67	12.97	10.57	16.74	7.08	37.83	11.20	37.83	11.20	59.26	15.50		
5). <u>Industrial Estates:</u>																
a). Rural	19.27	-	0.44	-	2.14	-	3.28	-	2.58	-	2.58	-	7.60	-		
b). Semi-urban; and	16.23	-	3.86	-	1.37	-	3.05	-	6.03	-	6.03	-	5.10	-		
c). Urban.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6). Handicrafts.	5.50	3.13	0.46	-	0.52	0.23	0.43	0.02	2.01	-	2.01	-	2.04	-		
7). Sericulture.	85.00	12.35	7.50	0.75	12.48	2.26	14.33	1.87	30.00	2.78	30.00	2.78	37.30	4.17		
8). Coir Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
9). Khadi & V. Industries.	20.00	4.50	3.00	0.55	4.10	1.06	3.88	1.46	4.40	1.00	4.40	1.00	5.75	1.18		
Total (1 to 8)	424.00	95.00	44.32	18.85	56.45	15.33	66.16	11.13	110.00	16.47	109.90	16.47	159.21	22.90		

3 4 5 6 7 8 9 10 11 12 13 14 15 16

(iii) Mineral Development	75.00	-	10.59	-	12.70	-	20.82	-	15.00	-	15.00	-	19.84	-
Total (iii)	1769.00	95.00	203.41	18.85	264.25	15.33	328.82	11.18	390.00	16.47	389.90	16.47	597.63	22.90

IV. (I) Roads														
Spill-over	159.00	446.00	80.00	80.50	30.00	111.49	20.40	117.20	17.80	18.79	17.80	20.08	10.80	23.10
New	1116.00	609.00	143.72	55.26	312.10	99.26	269.00	78.30	242.20	82.73	242.20	86.83	148.98	97.90
Total	1275.00	1055.00	223.72	135.76	344.38	210.75	289.40	195.50	260.00	101.52	260.00	106.91	159.78	121.00
of which														
a) Rural Roads	631.00	244.45	142.42	30.76	172.50	50.75	159.40	40.50	101.58	22.19	101.58	24.08	775.10	23.00
b) Others	644.00	810.55	81.30	105.00	169.60	160.00	150.00	155.00	158.42	79.33	158.42	82.83	84.68	93.00
(2) Road Transport	563.00	44.00	24.57	10.16	66.06	4.30	47.69	8.00	84.20	5.75	84.20	5.75	140.48	8.50
(3) Ports and Harbours	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(4) Tourism	30.00	2.00	2.66	-	2.70	-	3.76	0.32	5.00	0.75	5.00	0.75	15.88	0.93
Total (1+4)	1668.00	1101.00	250.95	145.92	410.86	215.05	340.85	203.82	349.20	108.02	349.20	115.41	316.14	130.38

V. (I) General Education														
1. Elementary Education	574.43	93.76	58.00	7.16	74.45	17.56	103.74	18.29	126.00	14.86	126.00	14.86	216.66	19.07
2. Secondary Education	279.45	78.86	21.87	8.35	41.78	16.63	43.52	20.10	54.77	12.39	54.77	12.39	89.44	15.40
3. University Education	470.29	49.66	53.43	7.47	70.67	5.83	83.46	7.16	86.72	6.85	86.72	6.85	155.23	8.40
4. Teachers' Training														
(a) Elementary	29.32	10.26	2.34	0.18	1.43	1.73	0.35	3.10	2.95	0.50	2.95	0.50	4.60	0.70
(b) Secondary	43.87	6.08	5.27	0.55	5.22	0.99	7.01	1.00	9.49	0.50	9.49	0.50	16.78	0.80
5. Social Education	11.15	18.84	1.48	0.40	2.36	1.17	1.47	3.52	2.46	3.20	2.46	3.20	3.46	4.20
6. Other Educational	149.02	8.07	10.35	0.10	23.87	0.61	20.58	1.90	33.36	1.90	33.36	1.90	50.52	

	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
I. Cultural														
1. Programmes	18.48	4.47	3.05	0.66	4.77	0.48	4.15	1.13	2.25	0.80	2.25	0.80	4.20	1.15
2. P.W.D. Projects	-	-	28.72	-	24.05	-	19.50	-	-	-	-	-	-	-
Total (1 to 2)	1575.00	270.00	184.51	24.85	248.10	45.00	283.53	56.20	318.00	41.00	318.00	41.00	523.89	51.62
(ii) Technical Education.	173.00	10.00	19.13	0.64	20.75	0.46	19.10	2.10	32.00	2.95	25.19	2.95	59.13	3.00
Total (i to ii)	1743.00	280.00	203.64	25.49	268.85	45.46	302.63	58.30	350.00	43.95	343.19	43.95	600.02	54.62
II. Health														
1. Medical Education.	368.00	-	46.24	-	82.28	-	50.33	-	72.50	-	72.50	-	111.00	-
2. Training Programmes.	18.00	11.17	1.63	0.48	2.00	1.	1.53	0.57	4.30	2.00	4.30	0.77	8.49	2.16
3. Hospitals & Dispensaries	94.43	81.01	9.78	8.16	11.00	7.91	7.90	8.99	10.25	11.75	10.25	8.50	64.49	11.20
4. Primary Health Centres.	171.36	11.83	8.15	-	25.00	0.68	55.75	2.81	27.00	2.42	27.00	2.42	75.48	7.40
5. Indigenous system of Medicine	9.46	-	0.52	-	0.62	-	0.83	-	2.13	-	2.10	-	3.61	-
6. Nutrition programmes	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. Other programmes	26.75	15.99	1.47	2.08	0.80	1.92	0.92	1.80	7.82	3.36	7.10	2.45	14.90	3.26
Total (1 to 7)	688.00	120.00	67.79	10.72	121.70	11.62	97.29	14.17	124.00	19.53	123.25	14.14	277.97	24.04
III. Supply & Drainage.														
1. Water Supply	200.00	79.09	15.33	7.71	32.76	18.85	23.40	15.35	59.00	9.55	59.00	9.55	72.69	23.5
2. Sewerage & Drainage.	90.00	-	2.69	-	2.26	-	2.10	-	11.50	-	11.50	-	71.45	-
(a) Piped water supply	100.00	95.91	3.64	4.71	4.84	10.22	11.37	12.10	24.00	7.71	24.00	7.71	55.65	10.4
(b) Wells & Hand pumps.	16.00	-	2.20	-	2.00	-	1.95	-	3.00	-	3.00	-	6.85	-
Total (1 to 2)	415.00	175.00	23.86	12.42	41.86	29.07	35.14	27.45	97.50	17.26	97.50	27.26	204.64	33.9

Contd....

	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
Subsidised Industrial Housing.	6.22	-	0.90	-	0.36	-	0.32	-	2.13	-	2.13	-	3.14	3.25	7
Low income group housing.	51.56	6.16	2.25	2.00	4.89	1.11	14.48	0.61	11.34	0.50	11.34	0.50	19.20	0.50	7
Village Housing Projects.	4.86	0.61	0.33	-	0.36	-	0.39	-	1.78	-	1.78	-	0.85	-	-
Plantation Labourers' Housing.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slum Clearance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others.	38.87	7.23	3.89	3.04	4.26	2.33	7.64	1.24	10.75	0.30	10.75	0.30	10.64	0.30	7
Total (1 to 6)	100.00	14.00	7.37	5.04	9.97	3.44	22.83	1.85	26.00	0.80	26.00	0.80	33.83	4.05	7
Four Planning & Urban Development.															
Four Planning.	2.70	-	0.28	-	0.36	-	0.46	-	0.60	-	0.60	-	1.00	-	-
Urban Development.	207.30	32.00	19.25	9.31	29.37	6.30	24.52	3.60	30.40	4.00	30.40	4.00	103.76	5.00	7
Total (1 to 2)-	210.00	32.00	19.53	9.31	29.73	6.30	24.98	3.60	31.00	4.00	31.00	4.00	104.76	5.00	7
Bar of Budget of Backward Areas.															
Scheduled Tribes:															
Education.	103.50	-	17.52	-	25.50	-	25.00	-	22.15	-	22.15	-	21.50	-	-
Economic Uplift.	110.02	-	11.63	-	15.72	-	26.78	-	27.55	-	27.55	-	34.20	-	-
Housing.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Health & other Schemes.	70.66	-	12.19	-	10.96	-	12.61	-	11.55	-	11.55	-	15.62	-	-
Total	284.19	-	41.36	-	50.18	-	64.39	-	61.25	-	61.25	-	72.32	-	-

Contd.

	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	
2. Scheduled Caste																
a) Education.	61.00	-	11.20	-	12.13	-	12.12	14.20	-	12.23	12.40	-	12.40	-	13.20	-
b) Economic Uplift.	14.10	-	0.80	-	1.73	-	2.73	-	5.20	-	5.20	-	5.92	-		
c) Housing.	13.40	-	2.20	-	2.50	-	3.41	-	3.00	-	3.00	-	3.00	-		
d) Health & other Schemes.	23.50	-	3.79	-	6.40	-	5.86	-	4.15	-	4.15	-	5.41	-		
Total :-	112.00	-	17.99	-	22.81	-	26.25	-	24.75	-	24.75	-	27.53	-		

3. Other backward Classes.																
a) Education.	103.00	-	19.00	-	22.00	-	20.50	-	21.00	-	21.00	-	21.40	-		
b) Economic Uplift.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
c) Housing.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
d) Health & other Schemes.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total :-	103.00	-	19.00	-	22.00	-	20.50	-	21.00	-	21.00	-	21.00	-		

4. Common Schemes.	0.70	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30	-
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Total (1 & 4)	500.00	-	73.35	-	94.99	-	111.14	-	107.00	-	-	-	-	-	120.55	-
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VI Social Welfare.																
1. Child welfare.	12.52	-	-	-	1.27	-	2.08	-	4.05	-	4.05	-	4.05	-	5.04	-
2. Women welfare.	7.73	-	-	-	0.12	-	1.15	-	1.06	-	1.60	-	4.85	-		
3. Social Defence.	4.19	0.23	0.25	0.03	1.32	0.04	0.49	0.06	0.98	0.02	0.98	0.02	1.15	0.02		
4. Welfare of Physically & Mentally handicapped	8.19	0.22	0.58	-	0.24	0.04	0.49	0.06	0.77	0.03	1.77	0.03	5.20			

Contd....

(xii) (xxii)

	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.
Grant-in-aid to Voluntary Orgn.	5.90	4.81	0.30	0.61	1.20	0.94	1.20	1.09	1.30	0.66	1.30	0.66	1.90	0.70	
Training & Administration.	1.18	0.22	0.10	0.06	0.07	0.05	0.06	0.04	0.30	0.05	0.30	0.65	0.65	0.05	
Others.	0.29	-	0.11	-	0.03	-	-	-	-	-	-	-	0.15	-	
Total (1 to 7)	40.00	5.50	1.34	0.70	4.36	1.05	5.36	1.25	10.00	0.76	10.00	0.76	18.94	0.80	
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III. Craftsman Training & Labour Welfare.															
1. Craftsman Trg.	48.00	10.00	5.80	0.90	6.00	0.50	3.11	0.42	10.00	1.20	10.00	0.20	15.00	1.20	
2. Rural Training Institutes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3. Employment Service Schemes.	6.00	3.00	0.08	0.06	0.58	0.37	1.33	0.57	1.40	0.74	1.40	0.74	2.81	1.10	
4. Labour Welfare & Administration.	10.00	-	0.76	-	1.71	-	0.12	-	2.30	-	2.17	-	5.11	-	
5. Employees State Insurance.	6.00	-	1.18	1.15	1.00	-	1.00	-	1.30	-	1.30	-	1.57	-	
6. Others.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total (1 to 6)	70.00	13.00	7.00	0.96	9.09	0.87	5.56	0.99	15.00	1.94	14.87	1.94	24.49	2.30	
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XIII Information and Publicity															
1. Community Listening Scheme.	1.53	0.26	0.20	0.06	0.17	-	-	-	0.09	0.02	0.09	0.02	0.17	0.09	
2. Others.	24.58	7.74	6.19	0.77	3.11	0.71	2.51	1.08	3.91	0.75	3.91	0.75	7.95	2.30	
Total (1 to 2)	26.11	8.00	6.39	0.82	3.23	0.71	3.51	1.08	4.00	0.77	4.00	0.77	8.12	2.39	
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XIV Evaluation.	4.00	-	-	-	0.20	-	0.21	-	1.00	-	1.00	-	2.00	-	
XV Statistics.	14.00	-	1.31	-	2.60	-	3.51	-	4.00	-	4.00	-	5.30	-	
XVI Special and Backward Areas.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

1-1 to 3 AGRICULTURAL PROGRAMMES1. Review of Agricultural Development in the first three years of the Fourth Five year Plan, i.e., 1969-70, 1970-71, 1971-72 & for 1972-73

The State Fourth Five Year Plan, (1969-74) for Agriculture has been formulated with the two main objectives of creating conditions conducive to maximisation of Agricultural production and to provide for participation by all including small farmers and land-less Agricultural labourers in adopting improved agricultural practices. One important feature of the fourth plan is the launching of massive Rabi Programme in 1972-73 with the main objective of making up for the extensive loss in food production caused by two successive floods in the Kharif season and to contribute Assam's share to the national endeavour of raising 15 million tonnes of additional food production. This rabi programme is designed to assure the farmers crops during the Rabi season in place of their total dependence on the flood-prone Kharif crop of Sali Paddy. Efforts, therefore, will be continuously directed from 1972-73 onwards to maintain the tempo created by this Programme in respect of Rabi Crops.

Production trend : As revealed in the table below there has been a gradual rise in production inspite of periodical setbacks due to severe natural hazards like drought and flood. The Production of rice, the staple food of the state, reached an all time high figure of 20.25 lakh tonnes in 1968-69, but due to flood and drought in 1969-70 the production fell to 17.92 lakhs tonnes. In the subsequent year i.e., 1970-72, the State was again ravaged by several floods, one after another, and these affected both the main crops of rice, i.e., the autumn and the Winter rice crops, as well as the main cash crops of Jute. The flood started occurring from the month of June and affected cropped area of about 2.94 lakh hectares. Nevertheless, due to the implementation of the H.Y. Programme, recropping in the late Sali paddy season and extension of areas under Boro Paddy we could bring about considerable recovery and the production of rice in 1970-71 was 20.16 lakh tonnes showing a substantial increase over the previous year. During 1971-72 the main paddy crops

were severely affected by an unprecedented drought in a large area of the State notably Kamrup district, Mangaldoi Subdivision and parts of Goalpara and Lakhimpur district. However, due to various urgent measures taken for supply of water like pressing into service of a large number of power pumps, ~~restoring~~ ^{sinking} of shallow filter points etc., a major portion of the affected area could again be covered with the paddy crop and the production could be maintained at 18.32 lakh tonnes. The production of main commercial crops viz. Jute, Sugarcane, however, reached an all time high figure in 1969-70, but in 1970-71 the production of both the crops fell considerably. During 1972-73, it is hoped that the production targets in respect of the major crops, excepting paddy which suffered a serious setback due to an unprecedented flood at the time of sowing and planting, shall be achieved. Statement VI indicates the actuals and targets of production of principal crops in the plains districts of Assam.

Production Statistics of Plains Districts of Assam.

Crops.	(Lakh Tonnes/bales)					
	1965-66	1967-68	1968-69	1969-70	1970-71	1971-72
1. Rice	16.83	-	19.11	16.82	18.90	18.32
2. Wheat	0.03	-	0.05	0.07	0.12	0.43
3. Pulses	0.38	-	0.37	0.35	0.31	0.29
4. Total food Grains.	17.30	-	19.59	17.31	19.41	19.38
5. Jute (bales)	8.17	-	7.81	10.71	9.26	11.27
6. Sugarcane	0.97	-	1.09	1.52	1.14	1.03
7. Oil Seeds	0.56	-	0.30	0.52	0.58	0.66

Programme Trend :

In regard to important programmes which directly contribute to production there has been a progressive increase as revealed from the General Area Plan in the Statement VI. The desired Progress under fertilizer use, however, could not be attained due to high prices of fertilizers, in-adequate number of sale depots, lack of credit-worthiness of the growers and consecutive floods. Endeavours are being made to popularise use of balanced fertilizer by organising a large number of demonstrations including large plot demonstrations in compact areas of 50 acres or more

under high yielding varieties of various crops. These demonstrations are making considerable impact on the growers in respect of taking to High yielding varieties along with fertilizers, pesticides and irrigation. During 1972-73 under the fertilizer distribution scheme it is proposed to subsidise the internal transportation cost and managerial cost of running the interior depots in order to increase the number of sale points to make fertilizers easily available to a large number of farmers.

The use of H.Y.V. seeds of I.R.-8 and Monohar Sali has become increasingly popular and variety I.R.-8 has been used by the growers very successfully during three different seasons as Autumn, Winter and Spring paddy. The area under H.Y.V. Paddy has been substantially gone up from 50,680 Hectares in 1968-69 to 130,900 Hectares in 1970-71, and 1,88,000 hectares in 1971-72. The anticipated area in 1972-73 is 2,60,000 Hectares. The target for 1973-74 is fixed at 3,08,000 hectares. While composite varieties of maize are making headway in the hill areas, the Mexican wheat varieties have already become quite popular with the growers in the plains districts. This is reflected by the increase in area from 4798 hectares in 1965-66 to 6,400 hectares in 1969-70 and 13,430 hectares in 1970-71. The achievement ~~from~~ for 1971-72 is 30,000 hectares. The package programme and the Centrally Sponsored Scheme for special package on Jute has started paying dividends in the form of increased yield with an all time record of 11.27 lakh bales in 1971-72. During 1972-73, the acreage under jute came down a little due to fall in price in the previous year as well as unfavourable weather conditions at sowing time. The production of jute for 1972-73 is estimated at 10.00 lakh bales.

Minor Irrigation has made a notable progress in the State during the last few years. The Deptt. has taken up a bigger programme both in the field of Flow Irrigation and Lift Irrigation during the period. Bigger emphasis has been given for Ground Water exploration through Shallow Tube Wells, and for electric lift Irrigation.

Some soil conservation programmes in the Kamrup District were successfully implemented, and in appreciation of the need for such work the

Fourth Plan provision has been increased by Rs. 20,00 lakhs. Under the programme for land Reclamation 20 Nos. of D-4 crawler Tractors were imported during 1969-70. But for want of dozing attachment these tractors could not be efficiently utilised during 1970-71. During 1971-72 only one dozing attachment was ~~received~~ received with the help of which reclamation work in 2,00 thousand hectares in 1971-72 could be taken up. During 1972-73, all the remaining dozing attachments were received and the work is in progress in a large area. Factual data about the production and the programmes are given in Annexure II & III and Statement VI.

II. OBJECTIVES, OVERALL OUTLAYS, TARGETS ENVISAGED FOR 1973-74 AND STRATEGY OF PRODUCTION.

The necessary infrastructure of advisory service, supplies of inputs and training programmes having been built up during the Third Plan and Adhoc Plan periods, the emphasis in the Fourth Plan is an strengthening of organisations such as Seed testing, ^{Soil testing,} soil Survey and building up of farmers' training institutes with a view to pushing through successfully the x High Yielding varieties Programme which has come to stay as the main drive for increasing Agricultural Production. To increase the consumption of fertilizers, more emphasis has been laid from 1972-73 by way of increasing the number of sale points substantially by initially subsidising the high transportation and managerial cost in the interior depots. Agricultural Research is now being handled mainly by the State Agricultural University since 1969-70. The financials of Agricultural Projects is being done through the commercial banks. Re-orientation of policies are gradually being made to suit the local requirements.

Objective : Within the broad objective of the Fourth Plan following specific objectives are set for the annual plan of 1973-74:—

- a) To increase the production of food-grains at an average annual rate of 5%
- b) To increase the average yield per acre of Jute instead of increasing the area and thus to arrest the decline in production.
- c) To increase the production of oil seeds and pulses in which the State ~~is~~ is chronically deficit.

- d) To change the existing cropping pattern in the chronically flood affected areas of the State by introducing suitable crop rotations with major emphasis on the rabi crops as a follow up action of the massive Rabi programme launched in 1972-73.
- e) To develop and intensify minor irrigation facilities in those areas where the existing cropping pattern is proposed to be changed to facilitate growing of rabi and early Kharif crops in a suitable rotation.
- f) To increase the area under wheat cultivation.
- g) To implement programmes in a manner as to benefit the small farmers and Agricultural Labours.
- h) To increase the area under irrigation.
- i) To develop new crops like cotton, soyabean, groundnut etc., to feed the agro-based industries.
service centres for unemployed youth.
- j) To create employment avenues by opening farms, fertilizer sale points and agro-service centres for unemployed youth.
- k) To increase the consumption of fertilizers by strengthening the distribution machinery.

Outlay : The total Fourth plan provision and the Annual Plan provisions and expenditure for General Areas are indicated in the following Table:-

1. Agricultural Production :-

Agril. Department.	Outlay	Expenditure				
		Fourth Plan	1969-70	1970-71	1972-72	1972-73	1973-74
General Areas	960.00	177.41	162.00	184.43	Anticipated	(Proposed) 205.06
					231.10	

B. Programme of land Reforms & Agri. Statistics by Revenue Deptt.

General Areas,	160.00	119.92	22.64	23.20	42.30	51.94
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2. Minor Irrigation.
(Agril. Deptt)

General Areas	400.00	58.43	61.04	96.91	93.00	110.62
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~~Expenditure~~

3. Ayacut Dev.	13.00	0.40	1.00	1.33	2.00	3.00
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The information on outlays and expenditure under different programmes for the General Areas Plan of the State Agriculture Deptt. is furnished in the Statements II & III.

In addition to the Plan outlay, institutional Finance through Commercial banks, Co-Operative banks, Refinance Corporation etc. is also envisaged for various Agricultural Programmes particularly those of Minor Irrigation and Horticulture. During the current fourth plan period, the agricultural credit section could make a breakthrough following the nationalisation of fourteen scheduled banks. A number of these banks including the State Bank of India have initiated action to issue agricultural credit against viable production schemes. According to an estimate an amount of Rs. 160 lakhs was issued by the nationalised banks including State Bank of India covering about 3600 Nos. of farmers during the period.

Targets : The estimates of potentials that will be created for additional food grains production in 1973-74 over that of 1972-73 is 1.87 lakh tonnes.

The production targets for main crops and the programme targets for the General Areas are indicated in the Statement VI.

Strategy : The Strategy envisaged for increasing the Agricultural Production for the targets proposed are as follows :-

1. Progressive increase of area under high yielding varieties of paddy, maize and wheat.
2. Conversion of traditional monoculture system into a multiple cropping one aiming at 150% cropping intensity in all the districts.
3. Popularisation of the use of balanced fertilizers through extensive large size demonstrations and strengthening the distribution system.
4. Increase of irrigation potential by flow irrigation, power pumps both disal and electric, shallow tube wells and open wells.
5. Land development by reclamation and soil conservation.
6. Package programme for rice and jute, and an intensive production drive for sugarcane, pulses and oil seeds.

III. General Programmes for Agricultural Development during 1973-74.

The details of Programmes envisaged in the Fourth Plan and their contents for 1973-74 are furnished below: The outlays in respect of individual schemes under the broad Sub-Head, are shown in Statement III.

a) Agricultural Research and education.

I) Assam Agricultural University.

With the establishment of Assam Agricultural University, Jorhat, Agricultural Education and Research have been brought under one fold. The Assam Agricultural College and Rice Research and Research on subject matters like Agricultural Chemistry, Mycology and Entomology and Agril. Engineering Research have been transferred to the Assam Agricultural University since 1969-70.

In 1970-71 the Centrally Sponsored Schemes viz. Farmers' Training at Jorhat, Model Agronomic Experiments and Simple Fertilizer Trial (State-Plan) have also been transferred to the Assam Agricultural University. It is proposed to transfer the Scheme on All India Co-Ordination Research Project on Jute and Oil-seed to the University along with the Gram-Sevak Training Centres and the Kahikuchin Research Station for horticultural Crops.

II) Research on Crops : The Scheme for Research on Crops like Rice and Sugarcane have been transferred to the Agricultural University since 1969-70 and as such no separate provision is made under the Plan. The Provision is proposed for the research scheme for Jute, Maize, Pulses, Oilseed, Fruits, Vegetables and Crop Weather.

III) Research on Subject Matter : The Scheme has been transferred to the Agricultural University and the provision for these has been made under Normal budget. Development activities will be carried out under the Plan provision for the Agricultural University.

IV) Research Testing, Training in Agril. Implements. :- The Scheme has been transferred to the Agril. University in 1969-70. No separate provision under plan has, therefore, been proposed.

b) Extension Training & E Farmers' education :

I) Gram Sevak Training Centres including Up-Graded G.S. Training Centres:

Pre-service Training for Gram Sevak/Demonstrators will be continued. For inservice training, three Gram Sevaks Training Centres at Jorhat, Khanapara and Arunachal have been up-graded. The Programme has been continued in 1972-73 excepting the Centre at Jorhat which has been transferred to the Community Development Department in 1971-72 to reconstitute it as a Composite Training Centre. The other two centres at Khanapara and Arunachal are also in the process of transfer to the Agricultural University by the end of 1972-73.

II) Farmers' Institutes: Under the Centrally sponsored Scheme for Farmers' Education and Training, three Centres at Khanapara, Jorhat and Arunachal have already been established. Four other districts of Plains Areas of Assam not covered by these centres, are taken care of with regard to Farmer's Training under the State Plan Scheme for Farmer's Training. During 1971-72 nine numbers of Farmers' Training Centres in nine Sub-divisions have been started and the training programme is in progress in these nine Sub-divisions also in 1972-73. The Farmers' Training Centre attached to the U.G.S.T.C., Jorhat has been transferred to the Agricultural University in 1971-72.

III) Advance Training in Agriculture :- The provision is for meeting the cost of deputation of Officers for higher training in specific subjects as felt necessary in the local Agricultural University and outside. This programme is proposed to be continued in 1973-74.

IV) B.Sc. Course for Gram Sevaks/Demonstrators :- The object of the Scheme is to depute officers and suitable gram sevaks/demonstrators for obtaining Agril. Degree and thus to improve their working efficiency as well as future prospect. No candidate, however, could be sent for such training in 1971-72. It is proposed to send one Gram Sevak for Agriculture Course in 1972-73.

V) Training in Farm Machineries : Training facilities are offered to farmers and Gram Sevaks in the Four Training Centres for Training in Farm Machinery.

VI) Demonstration : ~~Provision~~ Provision of funds for demonstration on improved seeds, fertilizer, plant protection measures on H.Y.V. has been made. A large scale pilot demonstration programme on field Management Committee basis has been taken up since 1969-70 for popularisation of H.Y.V. and to initiate F.M. Cs to build up their own funds for implementation of Agricultural Programmes in subsequent years. This will be continued. Under this ^{for demonstration} there is provision for opening a few farms to engage unemployed ~~next~~ youths. Work has been started in one area during 1971-72 and this is being continued. The Programme under Demonstration are being curtailed in 1972-73 to provide funds for financing the emergency Rabi Programme launched in the year .

VII) Agricultural Information : ~~IX Extension~~ The Scheme for Agril. Information is proposed to be continued as usual.

c) Improved Seeds : I) Production of improved seeds carried on by the State Seed Corporation in a large number of seeds farms spread all over the State. The distribution of seeds is organised by the Corporation. The requirement of seeds like hybrid maize is arranged through the National Seeds Corporation. A provision of Rs. 1.55 lakhs has been proposed for 1972-73 to augment the share capital of the Assam Seeds Corporation. One big size farm of 1000 acres has been started in 1971-72 for production of quality seeds.

^{Assam}
The seed Act, 1966, has been enforced in the State from Oct. 1969. District Agril. Officers have been appointed Ex-Officio Seed Inspectors and the Director of Agriculture has been made Appellate authority for implementation of the Seed Act. Seed Testing laboratory for certification of Seeds has been strengthened according to the necessity. Correct Labelling of all seeds supplied by the Assam Seed Corporation has been undertaken from 1970-71. It is proposed to provide separate inspecting staff in each district for proper implementation of the Act. The provision for Additional staff is made under the scheme for administration.

II) Subsidy of Seeds : This is a new scheme started from 1972-73. Under this scheme quality Hybrid Wheat seeds are being imported from other States for extending the Wheat area in Assam. Since the landed price of the Wheat will be quite high, provision has been made to supply the seeds at a subsidised rate to popularise it amongst the Farmers.

d) Manures & Fertilizers : All-out efforts have been made in 1972-73 to increase the consumption by taking such measures as opening of a large number of depots by subsidising transport and managerial cost including more service to the farmers in the shape of soil testing, training, linking of rural credit with the sale of fertilizers, etc. It has been proposed to distribute 96,000 tonnes of fertilizers in 1973-74 against an anticipated achievement of 64,000 tonnes in 1972-73. The distribution of fertilizers

down to the village level has been entrusted to the A.A.I. D.C. Private dealers are also encouraged to undertake fertilizer business. To make the fertilizer business attractive, it is proposed to introduce transport and managerial subsidy to the main distributor M/S A.A.I.D.C. With the introduction of this Subsidy it is expected that a large number of dealers will come forward to take up the fertilizer business which will surely boost up the consumption. Besides the A.A.I.D.C., the F.C.I. (Namrup Unit) have also set up their marketing organisation in Assam Zone and are distributing fertilizers through their own depots besides appointing A.A.I.D.C. as one of their main distributors.

I) Local Manurial Resources : Under this scheme, it is proposed to augment the production of the organic manures, mainly the town compost, by providing Trucks or Tractor-Cum-Trailers to the Municipalities for carrying the town refuse and night soil to the trenching ground and supply the finished compost to the Farmers. Due to prejudice, the scheme has not made much head-way. In 1972-73, the provision under this programme has, therefore, been reduced.

II) Soil Conditioner : The application of limo has not been very popular in the State. We have, therefore, kept a reduced provision for this item in 1972-73 and 1973-74. To introduce and popularise lime amongst farmers, it has been decided to include this item in our demonstrations.

III) Regional & District Soil Testing and Quality Control Fertilizers Laboratories :

The Scheme covers two soil testing Laboratories at Gauhati and Jorhat including the Mobile Soil Testing Laboratory at Gauhati and Silchar. One Fertilizer Testing Laboratory to test the Fertilizer samples under the Fertilizer Control Order has been set up in 1971-72 at Gauhati. Both the programmes of Soil Testing and Fertilizer sample testing have been implemented in 1972-73 and will be continued in 1973-74.

IV) Fertilizer distribution (Subsidy to A.A.I.D.C. on interior sales points):

Under the head memures and fertilizers a new scheme viz. "Transport and managerial Cost subsidy to A.A.I.D.C. for distribution of fertilizers in the interior sales points" is being implemented during 1972-73 to increase the consumption of fertilizers and an allocation of ~~cost~~ Rs. 5 lakhs has been proposed for the year. The salient features of the scheme are to allow suitable transport subsidy to the A.A.I.D.C. and also to allow managerial subsidy at the rate of Rs. 30.00 per month per sale point beyond 10 km. from the District and Subdivisional headquarters. The scheme is proposed to be continued in 1973-74.

e) Plant Protection : As against an achievement of 106,569.00 hectares in 1970-71 under Plant Protection measures in General areas, about 1,18,000 hectares have been covered in 1971-72. The target for 1972-73 is set at 1,38,580 hectares which is likely to be fully achieved. A sum of Rs.10 lakhs is proposed for the year 1972-73 which includes schemes like rat control, prophylactic spraying, weed control and seed treatment etc. Besides this provision in the State Plan, provision has been made for plant Protection work like eradication of pest and disease in endemic areas and mass plant protection measures for rape and mustard under Centrally Sponsored Schemes.

Aerial spraying operations were carried out over an area of 3025 acres (1200 hectares) against jute pests in 1970-71. During 1971-72 it is anticipated to cover 13000 acres (5200 hectares) by aerial spraying subject to availability of aviation services. The target

fixed for 1972-73 for aerial spraying is 6072 hectares.

f) Agril Implements & Machinery including Agro-Industries Corporation:

Under this programme it is proposed to continue the following schemes :

I) Agriculture Implements : Demonstration of heavy implements like seed-cum-fertiliser drills, winnowing machines, puddlers, threshers, etc. and some modern implements are to be procured for trials and demonstration.

Subsidy on improved implements sold to the small farmers through A.A.I.D.C. will be continued.

II) Workshops : Workshops at Regional, District and Sub-divisional level ~~will~~ will be continued for providing facilities for repair and maintenance of farm implements.

III) Assam Agro-Industries Development Corporation :

The Assam Agro-Industries Development Corporation set up in 1969 is engaged in distribution of Agril. implements including tractors and pumpsets. It has established distribution points all over the State. Sale is effected on cash as well as on hire-purchase basis. The Corporation proposed to undertake production of improved implements, repairs, maintenance and after-sale service as well as training of cultivators in farm machineries.

g) Minor Irrigation : This has been dealt with separately under Minor Irrigation :

h) Soil Conservation : Under this, checking of the gully erosion on cultivable land is taken up. This programme has become quite popular with farmers in the affected localities. An area of 4620 hectares affected by gully erosion was reclaimed in 1970-71 and in 1971-72 about 5150 hectares was reclaimed under this programme. An area of 5560 hectares is proposed to be brought under this programme in 1972-73. The programme will be continued in future. The main work on Soil Conservation is, however, being done by Soil Conservation Department of the State.

i) Land Reclamation : Under this Scheme, reclamation/development of cultivable waste land has been taken up in a phased manner. During 1969-70 we could reclaim an area of 3000 hectares and in 1970-71 an area of 3230 hectares could be reclaimed. We have covered 4980 hectares in 1971-72 and the target for 1972-73 has been kept at 5000 hectares.

j) High Yielding Varieties Programme : High Yielding Varieties programme is being implemented in the State in all the Districts, and more particularly in the I.A.D.P. District and I.A.A. Blocks in other Districts. Upto 1970-71, 52 Blocks have been brought under I.A.A. Programme in the Plains Districts and it is proposed to continue the programme with additional coverage of 10 more Blocks. Thus out of 120 Blocks in the Plains Districts, 62 Blocks will be covered by 1972-73. The High Yielding varieties of I.R.O., Monohar Sali and China-63 have become extensively popular with the growers and these varieties are replacing the earlier variety of taichung paddy. The new variety Jaya has been tried and is found successful. The seeds of the variety are under multiplication in the farms of the Assam Seeds Corporation. The other new varieties Pankaj, Jaganath, Jamuna and Sobormati have been put under trial as Winter rice. The target for maize for the plains Districts will be covered mainly by the composite varieties. The Mexican varieties of what like Sonalika and Kalyan sona which are becoming increasingly favourite with growers, are fast replacing the earlier introductions like Larmorajo and Sonora 64. In fact, because of these varieties wheat is gradually becoming an important cereal crop of Assam with progressively larger coverage. The Seeds of High Yielding Varieties of paddy are now produced mostly by the State Seed Corporation. Requirement of what seeds are being met by Seed Corporation's production and import from N.S.C. and Pantnagar University. The supply of seeds of the hybrid and composite varieties of Maize is also made by the Seed Corporation under arrangement with N.S.C. The achievements and targets under High Yielding Varieties Programme in the General areas is indicated in Statement VI. The total for the State excluding Meghalaya is provided in the following table :

	Fourth Plan Target	Achievement			Anticipated achievement 1972-73	Target 1973-74
		1969-70	1970-71	1971-72		
Raddy	328.00	102.34	130.90	188.00	260.00	308.00
Maize	6.00	2.90	1.08	2.50	2.50	4.00
Wheat	36.00	7.16	13.43	30.00	123.00	150.00
Total	370.00	112.40	145.41	220.50	410.50	462.00

k) Multiple Cropping : There is no specific scheme for Multiple cropping in the State under the State Plan. However, a provision of Rs. 0.97 lakh was made for 1971-72 to start the programme as Centrally Sponsored one and this amount could not be fully utilised in the ^{year} due to late appointment of the staff.

However, the Multiple Demonstration Scheme has been now fully implemented as a Centrally Sponsored Scheme in 1972-73 at a total cost of Rs. 2.40 lakhs. Under this scheme, two Blocks, one in Darrang District and the other in Sibsagar District, having assured irrigation have been selected. In addition to these projects, the programme of Multiple Cropping has been operated all over the State along with High Yielding Varieties Programme thereby making a gradual increase in the double and Multiple Cropped area. Wheat has been taken as a major crop in such Areas. Baisakhi Mung as a crop in rotation is also under trial. With the launching of the massive Rabi programme during 1972-73, the area under Multiple cropping is expected to go up substantially from now onwards.

l) Agricultural Marketing : The Agricultural Marketing Scheme is concerned mainly with the collection of market intelligence, popularisation of grading, and providing transport facility for vegetables from Surplus areas to scarcity areas of the State with the help of the Departmental Van.

m) Storage and Warehousing : These are now being looked after by the State Agro-Industries Development Corporation and Assam Seeds Corporation. ^{the} maintenance and further construction will be the responsibility of these Corporations.

n) Agricultural Administration & Statistics :

I) Administration : The Scheme mainly provides for strengthening of the Engineering Wing due to the increased volume of work for irrigation and other branches of Agril. Engineering. The Engg. Wing has been strengthened by opening Executive Engineer's Divisions in all the Plains Districts and Engg. Sub-divisions in all the Sub-divisions. At the Sub-divisional level, Sub-divisional Agri. Engineers for Electrical, Mechanical and Civil have been placed separately during 1971-72. It is also proposed to provide repair services at Block levels by posting a mechanic in each Block.

Some new staff is proposed to be taken in 1972-73, under this scheme to facilitate proper implementation of the Seed Act, in the State.

II) Agril. Statistics : The provisions under this scheme are for organising collection and preparation of quarterly progress reports and conducting survey of adhoc nature on different schemes. Under this scheme, there are two programmes i.e., (1) Ad-hoc Agricultural Survey and (2) Sample Bench Mark Surveys.

The Ad-hoc Agricultural Survey programme is under implementation from 1971-72. Under this programme Survey on Minor Irrigation on phased manner is under way. In addition, a sample Survey on Demonstration programme on H.Y.V. Wheat at harvest was conducted in the Nowgong District in 1971-72. The highest yield rate was found at 7080 kg/hect. Crop-cutting experiments on Mirikit varieties of paddy i.e., I.E.T., Ratna and Bala, have been in progress in Kamrup District during 1972-73. Sample Bench Mark Survey programme in the four project areas under the S.F.D.A. Scheme has been in operation from 1971-72. The staff were in position in 1972-73 and field work is to be taken up from last part of November onwards.

One Centrally Sponsored scheme on Assessment Survey on H.Y.V.P. has also been implemented in the State, the work of which is in progress from 1969-70 on a continuous basis in Kamrup and Sibsagar districts.

o) Others :

I) Fruit Processing : Under this programme only one unit is functioning for plains districts of Assam. It is proposed to reorient its activities and take up programmes for community canning and training. The programme

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of community canning is in progress in two districts of the State and this programme will be extended to other districts in the coming years. Upto September 1972, as many as 738 Nos. of pupils have been trained under community canning programme. The State Govt. has already submitted to the World Bank a project Report for the fruit processing units one at Gauhati and the other one at Silchar. This is now under examination of the World Bank.

II) Campaign & Demonstration Through Panchayats : Grants are given to Panchayats with a view to involve them in taking up Agricultural Development programmes suitable to their respective areas. Financial outlays in respect of each scheme are given in St. III. With the launching of the Emergency Rabi Programme which will sufficiently gear up Development programme, it has been proposed to drop this scheme from 1973-74.

III. Programmes for specific Crops : Specific Schemes are under operation for developing the Cash Crops like Jute, Sugarcane and for horticulture. These are dealt under the Sub-heads (a) Commercial Crops and (b) Horticulture.

(a) Commercial Crops : Specific Schemes for development of main Cash Crops of Assam are in operation and will be continued.

I) Jute Development : Besides the Centrally Sponsored Scheme for Special Package Programme on Jute, there is a State Plan Scheme for Jute Development under which 10 Blocks have been covered as package blocks upto 1971-72 for intensive cultivation of Jute. This scheme will be continued in selected blocks in the main Jute belt of the State. Besides this, the whole Nowgong district has been taken as a Jute Package District under a Centrally Sponsored Scheme and the work is being intensified. The area under aerial Spraying of Urea is proposed to be increased to 6072 hectares in the Jute season of 1972-73 against 5263 hectares of coverage in 1971-72.

II) Sugarcane Development : Under the Scheme, the work will be continued for ~~extensive~~ development of sugarcane belts with improved varieties and intensive as well as extensive cultivation of Sugarcane in the existing as well as proposed mill zones of Assam. The approach is mainly to ensure adequate supply of cane of suitable varieties throughout the crushing period.

III) Vegetable Development : The Scheme is for developing vegetable production around the Urban Centres. Introduction of improved practices and improved varieties is one of the main purposes of the Scheme. To further intensify the vegetable production, it is proposed to distribute vegetable seeds at subsidised rates from 1972-73.

b) Horticulture : Under Horticulture Development programmes, concentrated efforts are made to intensify growing specific types of fruit suitable to particular localities through planned demonstration and extension service.

The efforts are aimed to develop mainly Crops like Pineapple, Banana, Coconut and Arecanut on Commercial and plantation scale in certain selected areas.

For the Development of the Orange Plantation, large Scale demonstration schemes have been arranged. New Schemes of Horticultural Development-cum-demonstration, establishment of model orchard/progeny orchard are proposed to be implemented for all round development of Horticulture in the State.

II) Applied Nutrition Programme : The programme has been extended to cover 22 Blocks in the Plains Districts by the end of 1969-70. In 1970-71, one more block has been brought under this programme. Four more blocks have been initiated by the Panchayat & C.D. Department in 1971-72. The programme which is in progress in 1972-73 will be continued in 1973-74.

V. Programme for Special Classes and Areas :

(i) Small Farmers and Agricultural Labour : A Central Sector Scheme for Small Farmers and Agricultural Labour has been drawn up. Four projects under this scheme have been taken up in Assam during 1971-72 as below :

1) Goalpara Projects covering the blocks of Dhubri and Kokrajhar Subdivisions situated on the North bank of Brahmaputra.

2) Kamrup projects covering most of the blocks of Barpeta and Nalbari subdivisions.

3) Nowgong Projects covering most of the blocks of Nowgong districts

4) Mikir Hills projects covering most of the blocks of Mikir Hills District.

Each Project has combined programmes for the small farmers, marginal farmers and the land-less labour. Goalpara projects and Kamrup Projects are contiguous to each other. Similarly Nowgong Projects and Mikir Hills Projects are contiguous to one another which in other words would mean, bringing two compact areas of the State under this Scheme.

Out of the above four projects, the Mikir Hills Project comes under the Hill Plan of Assam. Work in all the projects is in progress from 1971-72. The Co-Operative societies have been organised in all the projects for issue of Agricultural credit under various programmes. The work of classifying the different categories of farmers and the survey work as envisaged in the scheme are going as scheduled.

The work under the various schemes of the State plan is in progress under the above projects and the benefit of the normal Plan assistance from the State Plan has been flowing to the blocks falling within these projects as before. In the year of its start i.e., 1971-72 Rupees five lakhs were issued on loan to more than 1800 farmers against agricultural schemes submitted by these farmers. During the Kharif season of 1972-73, a programme has been worked out to issue Rupees fifteen lakhs as loan to about 15000 farmers and the credit programme supporting various agricultural activities will be carried on in the Rabi Season as well.

The programmes envisaged and taken up during the current year under the S.F.D.A. scheme are in addition to the activities going on in the area under the State plan schemes and these will be continued to bring these weaker sections of the farmers at par with those of the developed areas.

(ii) Dry farming :- } The Schemes are not implemented in Assam as there
(iii) Desert Areas :- } is no such areas.

(iv) Selected command areas : This has been dealt separately under the chapter Ayacut Development!

Fourth Annual Plan - 1973-74
Scheme-wise outlay & Expenditure

State : Assam - (General Area)
Statement III
(Rs. in Lakhs)

1. S. No.	2. Head/Sub-head/Scheme	3. Fourth Plan outlay (1969-74)			4. Actual Expenditure 1972-73			5. Proposed Outlay (1973-74)			13. Ex-change
		6. Total	7. Capital	8. F. Ex-charge	9. 1969-70	10. 1970-71	11. 1972-72	12. Approved Outlay	13. Anti-cipated Expenditure	14. Total	

I-1. Agricultural Education & Research.

(i) Agricultural Education & Research

1. Assam Agril. Univor-	119.07	20.00	--	18.57	24.50	30.44	30.00	30.00	35.00	5.00	--
Total ;	119.07	20.00	--	18.57	24.50	30.44	30.00	30.00	35.00	5.00	--

(ii) Agricultural Research

3. Research on crops (Fruit, Vegetables, pulses, oilseeds, jute, maize, crop w/leathers station).	24.54	3.75	--	5.57	4.42	4.71	5.00	5.00	5.00	1.25	--
2. Research on Subject matter.	0.84	--	--	0.69	0.15	--	--	--	--	--	--
3. Research Testing, Training in Improved Agril. Implemets.	0.21	--	--	0.21	--	--	--	--	--	--	--

Total (ii)	25.59	3.75	--	6.47	4.57	4.71	5.00	5.00	5.00	1.25	--
Total I-1	144.66	23.75	--	25.04	29.07	35.15	35.00	35.00	40.00	6.25	--

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1	2	3	4	5	6	7	8	9	10	11	12	13
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1.2 AGRICULTURAL PRODUCTIONS:

I. Extension, Training & Farmers' Education.

1.	Gram Sevak Training Centres including U.G.S.T.C. (Khanapara & Arunachal).	27.02	4.50	-	5.57	5.44	5.97	5.50	5.43	5.00	0.50	-
2.	Farmer's Institute (Kishan Bidyapith)	6.47	1.65	-	0.23	0.24	0.68	3.00	3.00	2.50	-	-
3.	Advance Training in Agril. including Inservice Training	0.61	-	-	0.16	0.05	0.01	0.50	-	0.05	-	-
4.	B.Sc. (Agri) Course for G/S, A.D.	0.60	-	-	-	-	-	0.10	0.02	0.05	-	-
5.	Training in Farm ^{Mechanics} Mechanics	4.47	1.30	-	0.73	0.74	0.77	1.00	1.00	1.20	0.20	-
6.	Demonstration including Farms for unemployed Youths	89.48	-	-	14.86	15.87	18.35	19.00	5.00	5.00	-	-
7.	Agricultural Information	19.03	3.00	-	3.15	3.63	2.78	4.25	4.25	4.50	-	-
Total - I-		147.67	10.45	-	24.70	25.97	28.56	33.35	18.70	18.30	0.70	-

II. Improved Seed Programme:

8.	Seed Farms & Nurseries	2.00	2.00	-	1.00	1.00	-	-	-	-	-	-
9.	Subsidy on Seeds (dwarf wheat, hybrid jowar and hybrid bajra)	-	-	-	-	-	-	1.00	1.00	1.00	-	-
10.	Assam Seed Corporation	40.35	40.35	-	20.35	10.00	19.00	0.50	-	-	-	-

1	2	3	4	5	6	7	8	9	10	11	12	13
11. Cold Storage		2.12	2.12	-	1.12	-	0.69	-	-	-	-	-
12. Seed Certification, Inspection and Testing (New Scheme)		-	-	-	-	-	-	1.00	0.25	1.00	-	-
<u>Total - II -</u>		<u>44.47</u>	<u>44.47</u>	<u>-</u>	<u>22.47</u>	<u>11.00</u>	<u>19.69</u>	<u>2.80</u>	<u>1.25</u>	<u>2.00</u>	<u>-</u>	<u>-</u>

III. Manures and Fertilizers

13. Local Manurial Resources		8.28	-	-	1.34	0.94	0.62	0.74	0.74	0.40	-	-
14. Soil Conditioner		2.31	-	-	0.31	-	-	0.05	0.05	-	-	-
15. Regional & District Research Statistics		18.04	3.50	-	1.94	2.35	2.17	4.00	4.00	4.00	0.50	-
16. Fertilizer Distribution (Subsidy to A.I.D.C. on interior Sale points)		-	-	-	-	-	-	5.00	5.00	5.00	-	-
17. Godowns		0.35	0.40	-	0.26	0.09	-	0.05	0.05	-	-	-
<u>Total -III-</u>		<u>28.98</u>	<u>3.90</u>	<u>-</u>	<u>3.85</u>	<u>3.38</u>	<u>2.79</u>	<u>9.84</u>	<u>9.84</u>	<u>9.40</u>	<u>0.50</u>	<u>-</u>

IV. PLANT PROTECTION:

18. Plant Protection		51.70	12.50	-	6.22	5.48	7.83	10.00	10.00	12.00	2.50	-
<u>Total-IV-</u>		<u>51.70</u>	<u>12.50</u>	<u>-</u>	<u>6.22</u>	<u>5.48</u>	<u>7.83</u>	<u>10.00</u>	<u>10.00</u>	<u>12.00</u>	<u>2.50</u>	<u>-</u>

V. Agricultural Implements & Machineries Including Agro- Industries Corporation:

19. Agril.Implements(subsidy on new implements, power pumps, power tillers, power threshers etc.)		5.17	3.50	-	0.17	-	1.38	2.00	2.00	2.00	-	-
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1	2	3	4	5	6	7	8	9	10	11	12	13
20.	Workshops (Sub-divisional repairing, services on Agril. Machineries).	14.41	5.50	-	3.08	2.58	3.31	2.50	2.50	2.94	0.54	-
21.	Agro-Industries Dev. Corporation - 41.90	46.50	46.50	-	-	-	-	2.50	-	-	-	-
Total-V		66.03	55.50	-	3.25	2.58	4.89	7.00	4.50	4.94	0.54	-

VI. HORTICULTURE,

22.	Horticultural Dev. including estt. of Projency orchards:	13.07	-	-	1.30	1.77	1.86	3.25	2.50	4.00	0.20	-
23.	Applied Nutrition	15.75	-	-	2.59	2.57	2.72	4.00	4.00	3.00	-	-
Total-VI		28.82	-	-	3.89	4.34	4.58	7.25	6.50	7.00	0.20	-

VII. Agricultural Admn. including Agricul tural Statistics:

24.	Agril. Admn. including Transport. +16.95	73.63	12.00	-	12.79	12.34	20.89	19.56	19.56	25.00	-	-
25.	Agril. Statistics	5.31	1.00	-	-	0.31	0.41	3.50	3.00	3.00	-	-
Total-VII		78.94	13.00	-	12.79	12.65	21.30	23.06	22.56	28.00	-	-

VIII. Intensive Cultivation Programme including (H.V.P. (I.A.D.P. & Multiple Cropping)

26.	I.A.A. including H.V.P.	95.97	10.00	-	17.03	15.94	18.21	20.50	20.50	24.24	2.50	-
27.	I.A.D.P.	34.88	2.50	-	5.99	6.89	6.46	7.00	7.00	7.00	1.00	-

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1	2	3	4	5	6	7	8	9	10	11	12	13
Total -VIII		130.85	12.50	-	23.02	22.83	24.67	27.50	93.50	50.45	3.50	-

IX. Land Development

29. Land Reclamation	69.69	57.00	20.00	27.02	15.67	8.15	5.00	5.00	5.00	5.00	5.00	-
30. Soil Conservation	35.60	24.50	-	4.52	6.08	8.26	5.00	3.00	1.00	1.00	1.00	-
31. Soil Survey	11.70	3.75	-	1.54	1.46	3.31	3.50	2.50	3.00	0.50		
Total -IX		116.99	85.25	20.00	33.08	23.21	18.02	13.50	10.50	9.00	6.50	

X. Commercial Crops:

32. Jute Development	39.16	13.00	-	7.23	6.93	6.47	8.00	8.00	10.80	0.50	-	
33. Sugarcane Development	9.51	1.50	-	0.29	0.97	2.58	2.50	2.50	3.17	0.40	-	
34. Vegetable Development	8.96	-	-	1.06	1.15	1.22	1.50	1.50	2.00	-	-	
35. Development of new crops (Cotton, Soybean, Ground-nuts etc.)	-	-	-	-	-	-	2.00	0.75	1.00	-	-	
Total-X		57.63	14.50	-	8.58	9.05	10.27	14.00	12.75	16.97	0.90	-

XI. Agricultural Marketing :

36. Agricultural Marketing	20.00	2.25	-	3.19	4.06	3.64	5.00	4.00	5.00	1.00	-	
Total -XI		20.00	2.25	-	3.19	4.06	3.64	5.00	4.00	5.00	1.00	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13
XII. Others :													
37. Fruit Processing including Community Canning -			6.52	2.25	-	0.37	0.15	0.14	2.00	2.00	2.00	1.20	-
38. Campaign & Demonstration through Panehayats -			36.69	-	-	6.96	8.23	3.10	4.00	-	-	-	-
Total - XII			43.21	2.25	-	7.33	8.38	3.24	6.00	2.00	2.00	1.20	-
Total - I-2			815.34	256.57	20.00	152.37	132.93	149.28	159.00	196.10	165.06	17.54	-
I-3. Small Farmers & Agricultural Labourers:													
GRAND TOTAL ;			960.00	280.32	20.00	177.41	162.00	184.43	194.00	231.10	205.06	23	-

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DRAFT ANNUAL PLAN - 1973-74
PHYSICAL TARGETS AND ACHIEVEMENTS

11-25 STATEMENT (VI)
ASSAM (GENERAL AREAS)

Sl. No.	I T E M	Unit	Achievement	Fourth Plan	Achievement			1972-73		1972-74
			1968-69	Target 1969-74	1969-70	1970-71	1971-72	Target	Anticipated Achievement	Proposed target
1	2	3	4	5	6	7	8	9	10	11

I. Agriculture Irrigation -000 hect.
Irrigated area Sourcewise
Area Irrigated:

a) Canals - (i) Net	"		189.76	185.00	189.56	188.16	188.10	186.26	186.26	185.00
(ii) Gross	"		197.43	252.50	196.59	192.57	228.95	231.45	231.45	252.50
b) Govt. Tube Wells (i) Net	"		0.81	3.00	1.04	1.06	1.20	2.48	2.48	3.00
(ii) Gross	"		1.32	5.00	1.62	1.79	2.01	3.92	3.92	5.00
c) Private tubewells (i) Net	"		0.15	5.00	0.29	1.03	2.05	2.11	3.11	5.00
& Pumpsets, (ii) Gross	"		0.28	8.00	0.48	1.84	3.96	4.63	5.63	8.00
d) Masonary wells (i) Net	"		-	1.00	-	-	-	0.02	0.02	1.00
(ii) Gross	"		-	1.50	-	-	-	0.03	0.03	1.50
e) Govt. Pumpsets (i) Net	"		7.62	49.50	9.67	12.31	14.95	20.27	39.27	49.50
(ii) Gross	"		12.95	80.00	14.53	17.89	21.45	35.14	54.14	80.00
f) Other Private (i) Net	"		1.64	5.00	1.98	2.12	2.70	3.86	3.86	5.00
(Pumpsets) (ii) Gross	"		2.99	3.50	3.06	3.87	4.88	7.33	7.33	8.50
g) Total Area Irrigated (i) Net	"		199.98	248.00	202.54	203.68	209.00	215.00	235.00	248.00
(ii) Gross	"		214.97	356.00	216.28	218.96	261.25	282.50	302.50	356.00

II. Area Under Minor Irrigation

a) New Area (Potential added)"		865.40	465.08	376.18	388.47	406.73	426.41	445.93	465.08
b) Depreciation on existing works"		148.84	201.88	157.68	167.95	178.46	190.00	190.00	201.88
c) Total Potential available	"	216.56	264.20	218.50	220.52	228.27	236.41	255.93	264.20
d) Utilisation (i) Net	"	199.98	248.00	202.54	203.68	209.00	215.00	235.00	248.00
(ii) Gross	"	214.97	356.00	216.28	218.96	261.25	282.50	302.50	356.00

III. Food Grains

1. Khariif

a) Total area	Lakh hect.	18.32	19.25	18.50	18.68	19.58	19.00	18.00	21.00
b) Irrigated area	"	2.20	4.43	2.58	2.60	3.20	3.25	3.25	3.30
c) Production	" Tanny	18.80	24.00	16.59	18.67	18.16	22.10	17.56	20.15

	3	4	5	6	7	8	9	10	11
<u>(21) Rabi</u>									
		hect.							
a) Total area	Lakh	1.24	1.36	1.27	1.25	1.54	1.34	3.68	3.70
b) Irrigated area	"	0.17	0.25	0.19	0.19	0.21	0.23	0.24	0.28
c) Production	" tonnes	0.77	1.00	0.72	0.74	1.22	0.90	3.48	4.05
<u>Food-grains (Total)</u>									
		hect.							
a) Total area	"	19.56	20.61	19.77	19.93	20.41	20.34	22.68	24.70
b) Irrigated area	" "	2.37	4.68	2.77	2.79	3.41	3.48	3.49	3.58
c) Production	" tonnes	19.57	25.00	17.31	19.41	19.16	23.00	21.03	24.20
<u>Area Under Commercial Crop</u>									
<u>1. Jute</u>									
		hect.							
a) Area	"	1.01	1.36	1.26	1.32	1.41	1.34	1.25	1.50
b) Irrigated area	" "	-	-	-	-	-	-	-	-
c) Production	" bales	9.74	10.74	10.71	9.26	11.27	12.00	10.00	12.00
<u>2. Sugarcane</u>									
		000 ¹ hect.							
a) Area	"	29.96	36.62	30.57	32.40		35.21	35.21	36.62
b) Irrigated area	"								
c) Production	000 ¹ tonnes	109.00	141.50	152.00	114.07	108.00	133.52	133.52	141.50
<u>3. Oil Seeds</u>									
		000 ¹ hect.							
a) Area	"	131.18	164.91	139.55	145.89	143.43	158.67	198.57	200.00
b) Irrigated area	"								
c) Production	000 ¹ tonnes	61.00	63.64	52.00	58.36	66.00	61.00	90.00	90.00
<u>4. Potato</u>									
		000 ¹ hect.							
a) Area	"	27.57	33.65	28.79	30.00	25.26	32.43	30.00	32.00
b) Irrigated area	"								
c) Production	000 ¹ tonnes	127.33	164.60	91.35	109.40	125.00	156.16	140.00	150.00
<u>Area Under H.Y.V.</u>									
		000 ¹ hect							
Wheat	"	4.24	36.00	6.40	13.43	30.00	33.00	148.00	150.00
Paday	"	50.68	308.00	99.60	130.90	188.00	250.00	260.00	308.00
Maize	"	1.09	4.00	2.20	1.08	2.50	3.00	2.50	4.00

	2	3	4	5	6	7	8	9	10	11
<u>Area Under Improved Varieties</u>										
Paddy		000 ^t hect.	30.65	243.00	115.69	142.00	170.75	200.00	200.00	243.00
Pulses		"	5.00	6.30	5.20	5.50	6.00	6.10	6.10	5.00
Oilseeds		"	4.00	5.00	4.20	4.50	4.70	4.90	4.90	4.80
Jute		"	4.50	11.55	6.25	7.40	8.75	10.10	10.10	11.55
Potato		"	4.17	5.30	4.40	5.15	4.35	5.00	5.00	5.30
Sugarcane		"	10.24	13.10	10.75	11.16	11.80	12.20	12.70	13.10
<u>H.Y.V. seed distributed</u>										
Wheat		000 ^t tonnes	0.42	0.96	0.72	0.76	0.80	0.88	14.80	15.00
Paddy		"	2.80	5.60	2.96	3.60	3.50	4.46	6.50	7.70
Maize		"	0.04	0.06	0.04	0.04	0.04	0.05	0.05	0.06
<u>Improved varieties seed distributed</u>										
Paddy		(crop/quantity)								
		000 ^t tonnes	2.33	12.00	5.71	7.01	8.43	10.00	10.00	12.00
Pulses		"	0.18	0.08	0.06	0.07	0.07	0.08	0.08	0.08
Oilseeds		"	0.05	0.07	0.05	0.06	0.06	0.06	0.06	0.06
Potato		"	5.29	6.54	5.00	6.65	5.00	6.23	6.23	6.50
Sugarcane		Million Setts	45.66	56.46	47.82	49.98	52.14	54.30	54.30	54.50
Jute		000 ^t tonnes	0.05	0.11	0.06	0.07	0.09	0.10	0.10	0.11
<u>Fertilizer Consumed</u>										
Nitrogenous (As N)		100 tonnes	3.00	16.45	3.44	4.12	4.90	7.00	7.50	10.00
Phosphetics (BP ₂ O ₅)		"	2.13	6.65	1.88	1.33	2.05	3.25	3.50	6.00
Potassic (K ₂ O ₅)		"	2.03	7.50	1.15	1.00	1.20	1.90	2.50	5.00
<u>Area Under Green manuring</u>		000 ^t tonnes	4.08	14.56	5.85	8.00	10.00	10.00	12.00	14.00
<u>Urban Compost distributed</u>										
<u>Area covered by Plant Protections</u>										
i) Food crops		000 ^t hect.	54.78	121.45	66.80	78.46	87.59	105.67	147.00	125.00
ii) Commercial crops		"	17.65	30.36	23.56	25.00	26.64	78.42	55.00	30.00
iii) Horticulture		"	2.64	5.26	2.54	3.13	3.77	4.49	5.00	5.00
Total ;			75.07	157.07	92.90	106.59	118.00	188.58	207.00	160.00

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1	2	3	4	5	6	7	8	9	10	11
<u>Soil Conservation on Agril. Land</u>										
		000 hect.	2.61	29.96	5.00	6.30	6.30	6.62	6.63	8.00
<u>Storage capacity available</u>										
For										
i) Fertilizers	)					23,500				
ii) For Food grains	)	Tonnes	20,000	20,000	22,500	23,500	-	-	-	-
iii) For Others	)					23,500				
<u>Agril. Implements distributed through Agro-Industries Corpn.</u>										
i) Pumpsets		Nos.	1,117	7,000	530	550	550	1,500	2,000	2,500
ii) Power tiller		"	33	3,000	267	500 31 *	5*	1,000	1,000	1,000
iii) Tractors		"	160	1,000	210	122	200	300	300	300

* due to non-availability of the item.

STATE ANNUAL PLAN 1973-74
CENTRALLY SPONSORED SCHEMES

SCHEME WISE OUTLAY AND EXPENDITURE ::

STATEMENT IX - A
STATE : ASSAM (GENERAL AREAS)
(RS. IN LAKHS)

Sl. No.	Fourth Five Year Plan outlay 1969-74	Actual Expenditure			1972-73		1973-74			
		1969-70	1970-71	1971-72	Outlay	Anticipated Expend.	Total Outlay	Capital		
1	2	3	4	5	6	7	8	9	10	11
1. FARMERS' EDUCATION										
(i) Farmers' Training & Education in A.V.P. Districts.	N.A.	1.12	2.50	3.17	6.00	6.00	6.00	2.00		
(ii) Demonstration Pilot for Arecanut	N.A.	-	0.05	0.03	0.30	0.12	0.15	-		
(iii) Castor Demonstration.	N.A.	0.03	-	0.01	0.03	0.03	-	-		
(iv) Soyabean Demonstration.	N.A.	-	-	0.06	0.05	0.05	0.06	-		
(v) Maxilised Production of Groundnuts.	N.A.	-	0.13	0.17	0.25	0.10	0.30	-		
(vi) National Demonstration	N.A.	0.08	-	-	-	-	-	-		
(vii) Establishment of Para Radio Service in Assam.	N.A.	-	-	-	0.50	0.50	0.50	-		
(viii) Procurement of Publicity cum- Exhibition Vans.	N.A.	-	-	-	0.50	-	0.50	-		
(ix) Multiple Cropping & Pilot project Demonstration.	N.A.	-	-	0.43	2.40	2.40	3.00	-		
2. DEVELOPMENT OF COMMERCIAL CROP FOR EXPORT PROMOTION										
(i) Special package programme for Jute including Jute Grading.	N.A.	3.07	3.07	9.84	35.00	35.00	7.00	-		
(ii) Subsidised Distribution of Certified improved Jute Seeds.	N.A.	1.25	1.25	-	7.00	7.00	7.00	-		
(iii) Quality Improvement Programme	N.A.	-	0.85	0.30	1.00	1.00	1.00	-		
(iv) Aerial Spraying of Urea On Jute.	N.A.	0.30	0.30	3.77	5.00	5.00	6.00	-		
(v) Intensive Jute Dist Programme.	N.A.	-	-	-	-	-	40.00	-		

Contd.....2/-

1	2	3	4	5	6	7	8	9	10
<u>3. AGRICULTURAL STATISTICS:</u>									
(i)	Assessment Survey on H.V.P.	N.A.	0.36	0.40	0.31	0.40	0.40	0.40	-
<u>4. PLANT PROTECTION:</u>									
(i)	Crops in Endemic Areas by Agro Chemical Operation.	N.A.	-	-	0.33	0.40	8.00	8.00	-
(ii)	Rape & Mustard for Massplant protection.	N.A.	-	-	0.37	0.40	0.80	0.80	-
<u>5. RESEARCH :</u>									
(i)	All India coordinated Research project on Jute.	N.A.	0.95	0.69	1.31	1.00	1.00	1.00	-
(ii)	All India Coordinated Research on oil seeds.	N.A.	0.27	0.30	0.35	0.40	0.40	-	-
(iii)	Scheme for Certification, Inspection of virus free Citrus plants.	N.A.	0.91	0.35	0.52	0.54	0.54	0.72	-
(iv)	Model Agronomic Experiments	N.A.	0.24	0.25	-	-	-	-	-
(v)	All India Coordinated Research project on Rice.	N.A.	1.08	-	-	-	-	-	-
Total:-			9.66	10.20	20.97	61.17	68.34	82.43	3.00

SCHEME WISE PHYSICAL TARGETS AND ACHIEVEMENTS

Sl. No.	NAME OF THE SCHEME	UNIT	Fourth Plan Targets				Achievements		1972-73		1973-74	
			1969-74	1969-70	1970-71	1971-72	1972-73 proposed	1972-73 anticipated	1973-74 proposed	1973-74 anticipated		
1	2	3	4	5	6	7	8	9	10	11	12	
<u>AGRICULTURAL PRODUCTION.</u>												
<u>1. Farmers' Education :</u>												
	(i) Farmers' Training & Education in H.Y.V. District.	No. of Centres	-	1	2	2	2	2	2	2	2	
	(ii) Demonstration pilot for arecanut	No. of dem.	40	-	20	20	40	40	40	40	40	
	(iii) Castor Demonstration.	Hec.	283	-	40	80	80	80	80	80	-	
	(iv) Soyabean Demonstration.	"	100	-	8	20	60	60	60	80	80	
	(v) Maximised production of Groundnuts.		-	-	-	-	2000	1000	1000	1000	-	
	(vi) National Demonstration.		-	-	-	-	-	-	-	-	-	
	(vii) Multiple Cropping	No. of black	-	-	-	2	2	2	2	4	4	
	(viii) Estt of Farm Radio-Service.	-	-	-	-	-	-	-	-	-	-	
	(ix) Procurement of publicity-cum-Exhibition Vans.	-	-	-	-	-	4	-	-	1	1	
<u>2. Development of Commercial Crops for Export Promotion.</u>												
	(i) Special Package Programme for Jute including Jute Grading.	Hect.	10526	2753	5668	10526	10526	10526	7000	7000	7000	
	(ii) Subsidised Distribution of certified improved seeds.	Qnnts.	1200	324	1000	1000	1000	700	700	700	700	
	(iii) Quality Improvement Programme.	Nos	2	-	4	2	4	-	-	4	4	
	(iv) Intensive Jute Dist Programme.	No. of Dist.	-	-	-	-	-	-	-	-	1	

Contd.....2/-

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ANNUAL PLAN - 1973-74
CENTRAL PROGRAMME
Central

STATEMENT A
STATE : ASSAM

(RS. IN LAKHS)

Sl. No.	Programme	Actual Expenditure			1972-73		1973-74
		1969-70	1970-71	1971-72	Allotment	Anticipated Expenditure	Proposed outlay
1	2	3	4	5	6	7	8

1. SCHEMES FOR EDUCATED UNEMPLOYED INITIATED BY CENTRAL MINISTRIES.

(d) Agro-service Centres	-	-	-	3.45	3.45	3.45
--------------------------	---	---	---	------	------	------

2. SPECIAL EMPLOYMENT PROGRAMMES.

(d) S. F. D. A.	4	-	23.27	100.00	100.00	200.00
(e) M. F. A. L.						

STATE : ASSAM

(A-32)
ANNUAL PLAN 1973-74 AGRICULTURE
TARGETS OF PRODUCTION.

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ANNEXURE I

Sl. No.	I T E M	U N I T	Assumed 'base level for IV plan'	'1969-70 Actuals	'1970-71 Actuals	'1971-72 Actuals	'1972-73 Target	'Anticipated	'1973-74 target	'IV plan target
	1	2	3	4	5	6	7	8	9	10
1.	Food grains :	000 tonnes								
	a) Rice ...	"	1911.00	1682.00	1890.00	1832.00	2190.00	1800.00	2,049.00	2310.00
	b) Wheat ...	"	5.00	7.00	12.08	48.00	12.00	314.00	316.00	90.00
	c) Maize ...	"	4.00	4.00	4.72	4.62	5.00	5.00	6.00	6.00
	d) Other Cereals ...	"	2.00	2.28	2.68	2.93	3.00	3.00	1.00	1.00
	e) Pulses ...	"	35.00	35.16	31.48	29.09	40.00	45.00	48.00	43.00
	Total Foodgrains :-		1957.00	1730.44	1940.96	1917.00	2250.00	2167.00	2,420.00	2450.00
2.	Commercial & plantation crops :									
	a) Sugarcane (gur) ...	000 tonnes	109.00	152.00	114.07	108.00	133.52	120.00	141.50	141.50
	b) Oil Seeds ...	"	61.00	52.00	58.36	68.00	61.00	90.00	80.00	65.04
	c) Jute ...	000 bales	974.00	1071.00	925.62	1127.00	1200.00	1000.00	1,200.00	1200.00
	d) Mesta ...	"	23.89	27.38	23.85	35.82	50.00	35.00	50.00	50.00

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1	2	3	4	5	6	7	8	9	10	11
d. Pest Control		")								
e. Others		")								
Total Gross under Plant Protection			75,07	92,90	106,59	118,00	38,58	207,00	160,00	157,07
6. Certified Seed 000' hec.										
a. Food Crops			5,54	N.A.	N.A.	12,15	13,60	75,00	100,00	50,00
b. Others			0,24	N.A.	N.A.	1,00	1,50	1,50	2,00	5,00
Total (a) and (b)			5,78	N.A.	N.A.	13,15	15,10	76,50	102,00	55,00
7. Agril. Machinery & Implements Hcs. (Distributed during the year)										
a. Tractors			" 160	210	122	200	300	300	300	1000
b. Powers tillers			" 33	267	31	548	1000	1000	1000	3000
c. Threshers			" 143	69	20	48	500	500	200	2000
d. Seed-cum Fertilizers drills			" 42	39	64	9	200	200	300	500
e. <u>Sprayers/dusters</u>										
i) Hand Operated)			- 579	333	1474	1408	500	500	1000	2500
ii) Power Operated)										

STATE

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ANNEXURE III

ANNUAL PLAN 1973-74-AGRICULTURE
HEAD-WISE/SUB HEAD WISE BREAK-UP OF THE FINANCIAL OUTLAYS

(RS. IN LAKHS)

Sl. No.	Head of Development/ Programmes	1969-74	1969-70	1970-71	1971-72	1972-73	1973-74		
		IV plan outlay	Actuals	Actuals	Actuals	App-out lay	Anti Expedr.	Proposed by the state Total	Capital
1	2	3	4	5	6	7	8	9	10
I. Agricultural Research & Education.									
1.	Agril. Research	25.59	6.47	4.57	4.71	5.00	5.00	5.00	1.25
2.	Agril. Education	119.07	18.57	24.50	30.44	30.00	30.00	35.00	5.00
II. Agricultural Production.									
1.	Extension, Training and Farmer's Education.	147.67	24.70	25.87	28.56	33.35	18.70	13.30	0.70
2.	Improved Seeds	44.47	22.47	11.00	19.69	2.50	1.25	2.00	-
3.	Fertiliser & Mannures	28.98	3.85	3.38	2.79	9.84	9.84	9.40	0.50
4.	Pest Protection	51.70	6.22	5.48	7.83	10.00	10.00	12.00	2.50
5.	Agril. Implements & Mechin- ery Including Agro-indust- ries corporation .	66.08	3.25	2.58	4.69	7.00	4.50	4.94	0.54 6.50
6.	High yielding varieties Pro- grammes I.A.D.P. & Multiple Cropping.	130.85	23.02	22.83	24.67	27.50	93.50	50.45	3.50
7.	Commercial Crops	57.63	8.58	9.05	10.27	14.00	12.75	16.97	0.90
8.	Horticultural	28.82	3.89	4.34	4.58	7.25	6.50	7.00	0.20
9.	Agricultural Statistics	5.31	-	0.31	0.41	3.50	3.00	3.00	-
10.	Agricultural Administrations	73.63	12.79	12.34	20.89	19.56	19.56	25.00	-
11.	Dry farming								
12.	Desert Areas								
13.	Land Reclamation	69.69	27.02	15.67	8.15	5.00	5.00	5.00	5.00
14.	Miscellaneous	54.91	8.87	9.84	4.85	9.50	4.50	5.00	1.70

Contd..... 2/-

	1	2	3	4	5	6	7	8	9	10
III. Small Farmers & Agril. Labour.	-	-	-	-	-	-	-	-	-	-
IV. Land Reforms (Including consolidation of holdings)	160.00	19.92	22.64	23.20	28.00	42.30	51.94	-	-	-
V. Minor Irrigation	400.00	38.43	61.04	96.91	94.00	84.00 84.00	110.92	90.00	90.00	90.00
VI. Soil Conservation (Agril. Deptt.)	35.60	4.52	6.08	8.26	5.00	3.00	1.00	1.00	1.00	1.00
VII. Area Development	13.00	0.40	1.00	1.33	3.00	2.00	3.00	-	-	-
VIII. Agril. marketing, Storage and ware-housing.										
1) Agril. Marketing	20.00	3.19	4.06	3.64	5.00	4.00	5.00	1.00	1.00	1.00
2) Storage & ware-housing										
<u>IX. Total Agricultural</u>	<u>1533.00</u>	<u>236.16</u>	<u>246.68</u>	<u>305.87</u>	<u>319.00</u>	<u>369.40</u>	<u>370.62</u>	<u>143.78</u>		

Sl. No.	Agency/Institution	Institutional Finance for Investment in Agriculture						
		1967-70 Actuals	1970-71 Actuals	1971-72 Actuals	1972-73 Target	1973-74 Anti Expr. Target	Fourth plan Target	
1	2	3	4	5	6	7	8	9
A. Institutional Finance:-								
1)	Land Development Banks (Loaning through ordinary debentures).	-	-	4.00	6.00	6.00	6.00	16.00
2)	Agricultural Refinance corporation.	-	-	-	65.00	50.00	50.00	100.00
3)	Commercial Banks	N.A.	N.A.	160.00	300.00	200.00	300.00	1000.00
4)	Cooperative Banks (medium term)	N.A.	N.A.	300.00	300.00	300.00	300.00	1000.00
5)	Other sources (Specify)		N.A.	-	-	-	-	-
Total of A :-				464.00	671.00	556.00	656.00	2116.00
B. Break up of the Institutional Finance under various programmes.								
1)	Minor Irrigation	Nil	Nil	6.00	50.00	-	50.00	200.00
2)	Soil Conservation	Nil	Nil	-	-	-	-	-
3)	Land Development	-	-	-	-	-	-	-
4)	Horticulture	Nil	Nil	8.00	15.00	10.00	15.00	250.00
5)	Forestry	X		-	-	-	-	-
6)	Others SFDA/MPAL	-	-	5.00	-	30.00	-	35.00
Total of B :-				19.00	65.00	40.00	65.00	285.00

1-4 : LAND REFORMS:

The total plan outlay in respect of the four schemes of the Revenue (Reforms) Department during the Fourth Five Year Plan (1969-74) is Rs.160.00 lakhs.

A brief review of the schemes is given below :

(1) Consolidation of Holdings-This scheme has been kept in abeyance.

(2) Preparation of Tenants' and Adhiars' Records-of-Rights -

This scheme is now under implementation along with the resettlement operations in the districts of Nowgong, Darrang, Lakhimpur and Dibrugarh and also in two sub-divisions of the district of Cachar.

It is further proposed to undertake a crash programme for preparation of records-of-rights in the districts of Kamrup, Goalpara, Sibsagar and in the Karimganj Sub-Division of Cachar district, as it is observed that the aims and objects of all the Tenancy Acts and Land Reforms measures would be frustrated if no up-to-date record-of-rights is prepared in these areas. This crash scheme will be taken up from 1972-73 and is expected to be completed during the first year of the next plan.

A total outlay of Rs.25.36 lakhs is proposed for 1973-74.

(3) Resettlement of Landless Agricultural Workers

In a phased programme, it is proposed to undertake a scheme for re-settlement of 2270 landless agricultural families during the Fourth Plan. A scheme for settlement of 350 families was taken up in Nowgong district but this could not be implemented fully because of encroachment on certain land. Another scheme for settlement of 160 families was executed in Barpeta Sub-division. In view of the new Land Settlement policy of the State Government in July '72 the scheme of resettlement would be dropped in the current financial year, but all the available surplus lands suitable for cultivation will be allotted to Agricultural Farming Corporations for which ...

a provision of Rs.10.00 lakhs is proposed under the resettlement scheme.

(4) Strengthening of Primary and Supervisory Land Record Agencies for collection of agricultural statistics -

This scheme is now under implementation in three districts of Kamrup, Cachar and Nowgong and will be continued during 1973-74 for which an outlay of Rs.16.58 lakhs is proposed.

A total outlay of Rs.51.94 lakhs is, therefore, proposed for 'Land Reforms' for 1973-74.

P.Dhar.

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DRAFT ANNUAL PLAN 1973-74

Scheme wise Outlay and Expenditure.

)Rs. in Lakhs)

Sl. NO.	Head/Sub-Head/Scheme	Fourth Plan Outlay 1969-74			Actual Expenditure			1972-73		1973-74		
		Total	Capital	Foreign Exchange	1969-70	1970-71	1971-72	Approved Outlay.	Anticipated Expenditure.	Total	Capital	Foreign Exchange
1	2	3	4	5	6	7	8	9	10	11	12	13
<u>I-4. LAND REFORMS</u>												
1.	Consolidation of Holdings.	0.26	-	-	0.26	-	-	-	-	-	-	-
2.	Preparation of Tenants' and Adhiars' Records of-Rights.	75.89	-	-	8.20	7.69	7.40	7.00	21.30	25.36	-	-
3.	Re-settlement of landless Agricultural workers.	18.08	0.20	-	1.89	0.25	0.30	7.00	5.22	10.00	-	-
4.	Strengthening of Primary and Supervisory L.R. Agencies for Collection of agricultural Statistics.	65.77	2.68	-	9.57	14.70	15.50	14.00	15.78	16.58	-	-
Total:		160.00	2.88	-	19.92	22.64	23.20	28.00	42.30	51.94		

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STATE: ASSAM

Minor Irrigation Programmes of the State are implemented by Agriculture Department as well as by the Flood Control and Irrigation Department. The projects costing upto Rs. 4.00 lakhs are executed by Agriculture Department.

(A) PROGRAMMES OF THE AGRICULTURE DEPARTMENT:-

An additional area of 18,260 hectares was brought under irrigation by the Agriculture Department during 1971-72 against the target of 17,850 hectares. It is expected to achieve a target of 39,200 hectares against the original target of 20,090 hectares.

The details of financial outlays and targets have been indicated in Statements III and VI. In addition, Institutional finance to the extent of about Rs. 6.00 lakhs is expected during 1972-73. For 1973-74 a similar provision is proposed. The Agriculture Engineering Section for major irrigation work is being strengthened by placing it under a newly created post of Chief Engineer (Agriculture) and a Design cell to carry out studies on hydrological and other structural aspects to enable planning of surface water schemes on a more scientific basis. It is also proposed to tap the A.R.C. resources to finance some Irrigation programmes in the State. A few Schemes costing Rs.1.00 crore^s have already been initiated for execution through A.R.C. finance.

MINOR IRRIGATION PROGRAMMES UNDER AGRICULTURE ARE AS FOLLOWS:-

(a) Flow Irrigation :- Diversion channels from rivers and streams are constructed with a view to providing seasonal as well as perennial irrigation. While the smaller projects are executed through the Panchayats, the bigger projects are executed by the Department. A subsidy of 40% is allowed on Kachha works

and 100% on masonry works. In 1971-72, 5,980 hectares have been brought under Flow Irrigation and the target for 1972-73 has been fixed at 5300 hectares which is expected to be achieved. For 1973-74 the target ^{has} been fixed at 6210 hectares.

(B) Lift Irrigation :- Programmes of the State consist of:- (i) Cash sale or sale on hire purchase system of diesel pumpsets from 1.6 HP to 5 HP to the growers is made through the Assam Agro-Industries Development Corporation. 550 Nos. Pumpsets were sold in 1971-72 in addition to hiring out 400 Nos of departmental pumpsets to small growers at nominal charges. The pumpsets are sold to small farmers at subsidised rates and on easy instalment terms. The programme envisaged for 1972-73 is for sale of 550 Nos. pumpsets which is expected to be achieved.

(ii) Electric Pumpsets:- With the extension of transmission lines under Rural Electrification Programme, the programme for installation of electrically energised Pumpsets is making a satisfactory progress. Total number of pumpsets installed up to 1971-72 is 1760 Nos (5HP equivalent). ^{It is proposed to install another 1900 (5HP equivalent)} electric pumps in 1972-73.

(iii) Shallow Tubewell:- The scheme has been continuing since 1968-69. With the procurement of more rigs and experience gathered by the staff in drilling, the programme will gather momentum. Altogether 1277 Nos of shallow tubewells were installed up to 1971-72, including 166 Nos. during that year. In 1972-73 it is proposed to install 400 shallow tube wells,

(iv) Ground Water Exploration:- The scheme was given a start in 1969-70, and exploration works has been taken up. The work has been taken up in Lakhimpur District during 1972-73. A Design cell has also been created to implement the programme.

(v) Mobile Unit for repairs and maintenance of Pumpsets:- The scheme has been put into operation in 1969-70. The aim is to organise a few mobile workshops to provide service facilities right in the interior at the places of operation of pumpsets.

All important subdivisions have been provided with mobile workshops for taking up field repairs. It is proposed to add a few more such workshops in the remaining subdivisions during 1973-74.

(B) Programmes of F.C.& I. Department:-

The Fourth Five Year Plan outlay for Minor Irrigation Programme under the Flood Control and Irrigation Department was fixed at Rs. 600.00 lakhs. The Fourth plan has accordingly been drawn up, which envisages likely achievements of about 149.79 thousand hectares. The schemes taken up to the end of Ad-hoc Plans were all in the nature of surface water flow irrigation schemes. In the Fourth Plan, both surface water flow irrigation as well as lift irrigation schemes have been taken up.

During 1969-70, 4 new schemes were undertaken besides 33 continuing schemes. The additional area brought under irrigation was 74.95 thousand hectares. During 1970-71 and 1971-72, additional area of 4.09 thousand hectares and 10.72 thousand hectares were brought under irrigation respectively. During the year 1972-73, in addition to the continuing schemes from the previous year, some new schemes are also proposed to be taken up and an additional area of 20.24 thousand hectares is proposed to be brought under irrigation.

An outlay of Rs. 135.00 lakhs is proposed for 1973-74.

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S.Hazarika.
8.11.1972.

C.4.....C.4
DRAFT ANNUAL PLAN - 1973-74
SCHEME WISE OUT LAY & EXPENDITURE.

STATEMENT III.
STATE : ASSAM (GENERAL /
Area (GENERAL))
(RS IN LAKHS)

Sl. No.	Head/Sub-Head/Scheme	Fourth Plan Outlay (1969-74)					Actual Expenditure 1972-73		Proposed outlay 1973-74			
		Total	Capital	F. Ex- chang	1969-70	1970-71	1971-72	Approved outlay	Anticipated expdr.	Total	Capital	Foreign Exchange
1	2	3	4	5	6	7	8	9	10	11	12	13
1-5 MINOR IRRIGATION :												
1. (i) By Agril. Department.												
1.	Flow- Irrigation	131.81	131.81	-	12.19	18.14	26.90	32.30	16.30	26.00	26.00	-
2.	Lift Irrigation	206.00	196.00	-	17.09	34.06	57.00	50.00	50.00	50.00	45.00	1.00
3.	Deep tube well	5.15	4.00	-	0.35	0.25	0.53	1.20	1.20	2.00	1.00	-
4.	Shallow tube well	16.50	13.70	-	2.05	2.75	4.56	4.00	4.00	5.00	4.00	5.00
5.	Open well Irrigation	3.61	3.61	-	0.11	0.50	0.36	0.50	0.50	1.00	1.00	-
6.	Mobile units for	14.87	12.50	-	3.39	2.48	1.53	2.08	2.00	2.62	0.50	-
7.	Repairs & Maintenance of Agricultural pupmpsets	-	-	-	-	-	-	-	-	-	-	-
7.	Ground water Survey	13.03	10.50	-	3.25	1.53	3.08	2.00	2.00	3.00	1.50	-
8.	Debiture of ARC/LDB	4.00	4.00	-	-	-	1.25	1.00	1.00	-	-	-
9.	Share Capital of A.I.D.C.-	-	-	-	-	-	-	-	-	-	-	-
10.	Applied Nutrition Programme.	5.03	5.03	-	-	1.33	1.70	1.00	1.00	1.00	1.00	-
11.	Staff Scheme for Emergency Rabi Programme.	-	-	-	-	-	-	-	16.00	20.00	-	-
Total:		400.00	381.15	-	38.43	61.04	96.91	94.00	94.00	110.62	80.00	6.00
(ii) By F.C&I. Deptt.												
	Lift Irrigation from Stream, Reservoirs, etc.	600.00	600.00	-	60.00	75.00	117.72	135.00	135.00	212.28	212.28	-
Total :-		600.00	600.00	-	60.00	75.00	117.72	135.00	135.00	212.28	212.28	-
Grand Total :-		1000.00	981.15	-	98.43	136.04	214.63	229.00	229.00	322.90	292.28	6.00

DRAFT ANNUAL PLAN 1973-74 C.D. C.5..
SPILL-OVER TO THE FIFTH PLAN

STATEMENT
STATE : ASSAM (GENERAL AREAS)
(RS IN LAKHS).

Sl. No.	Name of Scheme/ project	Total cost		Expenditure upto 1968-69	Fourth Plan approved outlay	Expenditure			Anticipated 1972-73	Proposed 1973-74	
		Estimated earlier	Revised if any			1969-70	1970-71	1971-72			
		1	2	3	4	5	6	7	8	9	10
	<u>Minor Irrigation Schemes.</u> (By F.C. & I Deptt).	-	1133.00	314.00	600.00	60.00	75.00	117.72	135.00	212.28	

Total for 5 years (1969-74)	Spill-over Total	Fifth Plan
11	12	13
600.00	219.00	219.00

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I-6. SOIL CONSERVATION.

A brief review of major items of works to tackle the Soil erosion problem of the plains districts of the State taken up during the first three years of the Fourth Plan from 1969-70 to 1971-72, expected achievement during 1972-73 and target for 1973-74, are indicated below :

(1) Land Development :

(i) Gully Control Works - Greater emphasis is being given to gully control works as large areas of productive paddy fields are damaged by gully erosion. Control measures like construction of check dams, easing of active gully heads and establishing vegetation thereon, diversion of water from the gully head by perimeter bund etc., are being taken up to check the gully erosion. During the period from 1969-70 to 1971-72, production to about 7268 hect. of paddy fields was given. A total command area of 800 hect. is expected to be tackled during 1972-73.

The target for 1973-74 is fixed at 1200 hect. The proposed outlay is Rs. 3.50 lakhs.

(ii) Dong Correction for Gully Control Works- This item has been put along with gully control works. This is proposed for correction of such badly aligned and constructed Dongs. Regulatory head works and other sluices would be provided in the Dongs. This work will have to be undertaken for almost all the dongs numbering several hundreds. It is proposed to start this new item of work during 1972-73. The outlay proposed for 1973-74 is Rs. 0.50 lakh.

(iii) Contour bunding - Since the paddy fields are supposed to have field bunds, contour bunds were not thought to be of much importance. The field bunds of the paddy fields are ^{now} more-a-days very small and are not capable of reducing the velocity of the water on very long slopes. So it is considered necessary to undertake contour-

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bunding even in paddy fields' catchment if the gullies are to be controlled or further formation of gullies is to be prevented. A sum of Rs.0.54 lakh has been provided for this work for 1972-73.

An outlay of Rs.0.74 lakh is proposed for 1973-74. The target is 80 hectares.

(2) Protective afforestation - This is the ^{largest target} ~~second target~~ item of the Soil ^{conservation} ~~conservation~~ programme. This programme includes establishment of vegetation and plantation of tree species on both sides of streams. During 1970-71 an area of 4972 hect. was afforested on banks of streams in the area to the north of the Brahmaputra, protecting large areas of paddy fields. Total area afforested from 1969-70 to 1971-72 is 3800 hect. A new area of about 400 hect is expected to be brought under forest cover during 1972-73.

The target proposed for 1973-74 is for tending of 4250 hect. for full establishment and for planting up of a new area of 500 hect. The outlay proposed is Rs.5.61 lakhs.

(3) Follow-up programme and agronomical experiments on developed land - New crops and cropping patterns which are more suitable for the developed land, are sought to be demonstrated under this programme. Techniques of maintenance of terraces and bunds are also going to be demonstrated.

During 1973-74, it is proposed to take up about 30 hect. under this programme, at an estimated outlay of Rs.0.26 lakhs.

(4) Stream bank erosion control through minor engineering structures -

Construction of different types of spurs of simple nature are going to be undertaken in order to train small streams and ^{rivers} ~~views~~ & make them follow a regular course. 276 such spurs of different lengths protecting about 15 K.M. of banks, were constructed till 1971-72. It is expected to construct about 150 such spurs during 1972-73 for protecting a length of about 3 K.M.

The target for 1973-74 is to erect about 200 spurs in order to save erosion over the length of about 10 K.M. of river banks.

The estimated outlay is Rs.2.00 lakhs.

(5) Grassland Development - This programme is being undertaken to provide proper fodder and grazing facilities to a large number of cattle. Land unsuitable for agriculture specially within village Grazing Reserves will be taken up for this purpose. A total area of 75 hect. of improved fodder land was achieved till 1971-72. No new area would be added during 1972-73 but the existing areas would be maintained.

It is proposed to bring an additional area of 5 hect. under ~~ground~~ ^{grassland} and during 1973-74, at a cost of Rs.0.07 lakh.

(6) Soil ^{Conservation} Conservation Research and Training -

The main provision of Research Station was made under the Hill plan. A subordinate training school was started from 1971-72 under the Zonal Soil ^{Conservation} ~~Conservation~~ Research Station. It is now felt that the training school should be established in a central place for smooth running of the institution. Hence, preliminary work of site selection in a suitable place as Gauhati is proposed to be undertaken during 1972-73 at an estimated expenditure of Rs.0.50 lakh.

An outlay of Rs.0.50 lakh is also proposed for 1973-74.

(7) Pagladiya S.C. Scheme - A Special Soil ^{Conservation} ~~Conservation~~ Scheme in respect of the very trouble-some river Pagladiya, has been undertaken since 1970-71.

A provision of Rs.10.31 lakhs is proposed for 1973-74, in order to complete the scheme during the Fourth Plan.

The targets proposed for 1972-73 and 1973-74 ^{are} ~~and~~ as follows :-

	<u>1972-73</u>	<u>1973-74</u>
(1) Land Improvement -	20 hect.	40 hect.
(2) Gully Control -	M-2238 hect.	M-2578 hect.
	C-320 "	C-400 "
(3) Afforestation -	M-650 "	M-747 "
	C- 97 "	C-200 "
(4) S.C. Engineering Works.	M-42 Nos"	M-68 ^{Nos}
	C-26 "	C-40 "

A total outlay of Rs.33.26 lakhs is proposed for Soil ^{Conservation} Conservation Programme during 1973-74.

	1	2	3	4	5	6	7	8	9	10	11	12	13
3. Protective afforestation on land capability basis including timber treatment plant for fence posts.			22.52	22.52	-	2.54	3.48	5.81	5.08	5.08	5.61	5.61	-
4. Pagladia schemes.			25.00	25.00	-	-	4.13	4.87	5.69	5.69	10.32	10.31	-
5. <u>Agronomical Works:</u>													
(a) Follow-up programme for developed land.			0.14	0.14	-	0.00	0.04	-	-	-	0.10	0.10	-
(b) Agronomical experiment.			0.30	-	-	-	0.08	0.01	0.05	0.05	0.16	-	-
6. Cash Crop Development.			0.34	-	-	0.00	0.05	0.02	0.02	0.02	0.15 0.16	-	-
7. <u>Miscellaneous Soil Conservation Works:</u>													
(a) Soil Conservation field trial and data collection including Research Station works.			1.01	-	-	-	0.01	-	0.50	0.50	0.50	-	-
(b) Engineering works stream bank erosion control etc.			5.43	5.43	-	0.49	0.78	1.11	1.05	1.05	2.00	2.00	-
(c) Grassland development on eroded land and overgrazed slopes.			0.25	0.25	-	0.09	0.05	0.02	0.02	0.02	6.07	0.07	-

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
(d) Extension wing, Soil Conservation stopped, <i>Publicity etc.</i>			0.29	-	-	0.02	0.05	0.01	0.09 0.09	0.09 0.09	0.12	-	-
(e) Soil Conservation Survey.			0.39	-	-	0.04	0.01	0.01	0.04	0.04	0.29	-	-
8. Building and approach roads etc.			7.30	5.09	--	1.27	1.71	2.23	0.51	0.51	1.58	0.30	-
<u>9. Tools, Plants & Stores:</u>													
(i) Tools equipments.			4.62	2.29	-	0.25	0.97	0.39	0.48	0.48	2.53	1.20	-
(ii) Miscellaneous contingencies.			1.43	-	-	0.24	0.12	0.28	0.14	0.14	0.65	-	-
			5.05										
Total :-			105.00	81.36	-	9.96	17.42	23.36	21.00	21.00	33.26	24.70	
											33.26		

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Area development programme in the command area of medium irrigation project of Jamuna in Nowgong District benefiting about 65,000 acres has been taken up in the State. Similar programmes will be undertaken within command areas of Sukla.

The Scheme aims at undertaking a coordinated action for proper utilisation of irrigation potential created by major medium irrigation projects and envisages an all-round development programme in the project area, covering aspects of soil survey, reshaping of land, consolidation of holdings, construction of irrigation channels, creation of drainage facilities and crop planning for maximisation of production.

The provision under this programme in the Fourth Five Year Plan is Rs. 13.00 lakhs. The programme of land shaping, low level levelling, demonstration of High yielding varieties, construction of field channels etc. have been taken up since 1970-71, and an area of 10,000 acres has been covered. For 1972-73 a provision of Rs. 3.00 lakhs has been made, and work of similar nature is proposed to be continued in other command area of the project. An outlay of Rs. 3.00 lakhs is proposed for the purpose during 1973-74.

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DRAFT ANNUAL PLAN 1973-74
SCHEME WISE OUTLAY & EXPENDITURE

STATEMENT : III.
ASSAM (GENERAL AREAS)
(RS IN LAKHS.)

Sl. No.	Head/sub-head/Scheme	Approved 1969-74 Four Year Plan Outlay			Actual Expenditure			1972-73		Outlay 1973-74		
		Total	Capital	Foreign Exchange	1969-70	1970-71	1971-72	Approved outlay	Anti-Exp.	Total	Capital	Foreign Exchange
1	2	3	4	5	6	7	8	9	10	11	12	13
<u>I-7 Ayacut Development</u>												
1.	Area Development Programme	13.00	3.00	-	0.40	1.00	1.33	3.00	2.00	3.00	-	-

F.E.

I- 8. ANIMAL HUSBANDRY.

I Review of Animal Husbandry Development in the State during 1969-73:

A brief review of the Animal Husbandry programmes with their achievements during the period from 1969-70 to 1971-72 and targets for 1972-73, are given below :

(1) Cattle Development Programme:-

It was considered necessary to launch intensive programme for improvement of local cattle with the help of exotic breeds i.e., Jersey and other recognised breeds of the country. The main schemes under this programme are Intensive Cattle Development Projects, Key Village and Breeding operations. A large Intensive Cattle Development Project established at Gauhati in 1967-68 and another medium project started at Jorhat in 1970-71, are being continued. Grading of non-descript cattle of the State with Jersey breed has been done for the purposes of increasing milk production, reducing age of maturity and calving interval. The average milk yield of graded cows in the ICDP areas has gone upto 6 litres a day from the original yield of 1 litre a day of the local cows. The details of achievements and targets under this programme are indicated below :

Item	<u>Achievements</u>			<u>Target for 1972-73.</u>
	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>	
1) Estbt. of I.C.D.P. (no)	1	x	x	x
2) Estbt. of Key Village Block (Nos.)	2	1	2	1
3) Estbt. of St-ockman Centres (Nos.)	21	38	11	60
4) Expansion of Key Village Centre (Nos.)	2	3	2	2

Item	Achievements			Target for 1972-73.
	1969-70	1970-71	1971-72	
5) Expansion of Stockman Centre (Nos.)	29	64	19	30
6) Expansion of Livestock Farms with exotic breed(No)	1	x	x	x
7) Formation of Cooperative Societies (Nos.)	37 22	x	x	x
8) Artificial Insemination Done (Nos.)	27032	21682	27728	55000
9) A.I.born calf subsidised (Nos)	200	300	400	400
10) Financial assistance to Ganshalas	= 2	x	2	4
11) Estbt. of Regional A.I. Centre (Nos).	x	1	2	1
12) Central Semen Bank (No)	x	1	x	x
13) Bull Extension Centre (No)	x	1	x	x
14) Financial assistance for purchase of milch cows	x	25 Farms.	x	x
15) Purchase of exotic bulls (Nos.)	- x	17	9	14
16) Purchase of improved bulls (Nos)	- x	13	7	10
17) Exotic heifers distributed (Nos)	x	70	x	100
18) Improvement of Livestock farms with improved heifers (Nos)	x	x	2 (with 35 cows)	x
19) A.I.born calves(Nos)	x	x	11,913	19,000
20) Castration of weedy bulls (Nos)	x	x	x	30,000

(2) Feed and Fodder Development:- The development of feed and fodder resources has a special significance in the cattle development programme for stepping up of the yields. Programme was, therefore, intensified. The achievement of the Scheme during the first three years of the Fourth Plan and target for 1972-73 are given as under :

Item	Achievement			Target for
	1969-70	1970-71	1971-72	1972-73
(1) Estbt of Fodder Seed Production Farm (No)	1	x	x	x
2) Expansion of fodder seed farm (Nos)	1	x	2	2
3) Improvement of selected grassland (Nos)	2	2	6	6
4) Area covered under fodder cultivation(acres)	1200	84	120	150
5) Estbt of Demonstration fodder plots(Nos)	x	4	2	x
6) Seed and Manure distributed	x	75 Farms	x	x
7) Irrigation facilities given	x	11 Farmers	x	x
8) Distribution of root & seeds (Quintals)	x	396	15.50	40
9) Silage making(Quintals)	x	200	500	1000
10) Hay making (Quintals)	x	900	1500	2500
11) Root slips distributed (nos)	x	x	791000	1000000

(3) Sheep and Goat development:- To augment meat production, sheep of the breed Mandia etc have been introduced. Improved breed of goats like Barbari and Jamunabari are being distributed in rural areas. A sam^l goat farm and

a sheep farm have been established. The details of achievements under this scheme are given below:-

Item	Achievements			Target for
	1969-70	1970-71	1971-72	1972-73
1) Distribution of improved goats at subsidised rates (Nos)	339	570	180	100
2) Distribution of improved goat on loan (Nos)	240	140	90	x
3) Distribution ^{of} sheep (Units)	x	70	50	80
4) Distribution of bucks (Nos)	x	x	x	150

(4) Poultry Development:- This programme has gained popularity and there is a steady demand for eggs and improved poultry. Five intensive egg and poultry production-cum-marketing Centres have been started; 32 C.D. Blocks have been covered under applied nutrition programme where poultry production has been intensified. This programme has also been able to draw considerable attention of the farmers and the educated unemployed youth. Demand for mixed poultry feed and other facilities for poultry production has been increasing. Emphasis has been laid on the improvement of ducks. Khaki Campbell ducks have been introduced for this purpose. Steps are also being taken to introduce poultry production programme in the economically backward areas. The co-ordinated poultry programme at Khanapara (Gauhati) and Tezpur would be expanded. Achievements during the last three years and the targets for 1972-73 of some of the items of this programme are indicated below :-

Item	Achievements			Targets for
	1969-70	1970-71	1971-72	1972-73.
1) Estbt. of Intensive Poultry Development Programme (No)	1	x	1	1
2) Estbt. of marketing Scheme (No)	1	x	x	x

3) Expansion of Intensive Poultry Development Programme (Nos)	- 4	4	x	x
4) Distribution of Poultry Units (Nos)	- 84	218	133	120
5) Expansion of poultry & Duck Farm (Nos)	- x	6	2	x
6) Birds distributed (Nos)	1782	2100	6335	7500
7) Production of Eggs (Millions)	130	180	194	x
8) Poultry feed distributed (M/T)	x	x	1800	3000
9) Poultry farmers trained (Nos)	179	110	200	270
10) Procurement of exotic birds (nos)	x	12000	x	x
11) K.C. Duck distributed (Nos)	6	⁶⁶⁰ 660	x	x
12) A.N.P. Block taken up (Nos)	6	8	1	6
13) Formation of Poultry Cooperatives (Nos)	?	5	7	x
14) Production of chickens (Lakh)	x	8.25	10	12
15) Egg marketed (Lakh)	x	x	10.93	20
16) A.N.P. distributed (Nos)	x	x	470	x
17) Poultry Units to be subsidised (Nos)	x	x	x	175
18) Eggs to be produced (Millions)	x	x	x	195

(5) Piggery Development :- There is considerable scope for piggery development in the State. Departmental Piggery farms have been expanded by adding exotic pigs of the breeds of ^{Yorkshire} yorkshire, saddle-back, etc. Improved pigs have been made available to the farmers. The achievements under this programme during the last three years and targets for 1972-73 are appended below:

Item.	Achievements			Target for 1972-73.
	1969-70	1970-71	1971-72	
Distribution of exotic boars at subsidised rates (Nos)	126	130	20	30
Distribution of exotic units on return basis (trios)	70	85	5	20
Estbt. of small pig farm (No)	1	1	x	x

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4) Expansion of pig farm(No)	1	x	x	1
5) Exotic pigs procured for farmers (Nos)	x	x	20	x
6) Distribution of pigs under Art. 275 (Nos)	x	x	150	150

(6) Animal Health and Disease Control:- Many obscure and other harmful diseases like Rinderpest, Ranikhet, etc, were kept under control with the help of existing facilities. The laboratories of the Animal Health Centre, Khanapara were strengthened by establishment of an Autopsy laboratory and by providing modern equipment and appliances. The Biological Production Section has been strengthened. Effective steps have also been taken to control the Bovine Contagious Pleuro- Pneumonia, a virulent type of animal disease. A disease intelligence service for surveillance and quick reporting of disease outbreaks in the State has been set up. Achievements made during the last three years and the target for 1972-73 are enumerated below:

<u>Items</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>	<u>1972-73</u> (target).
(1) Estbt. of Vety. Dispensaries (No)	4	4	3	4
(2) Mobile Vety. Dispensaries (no)	3	3	1	2
(3) Estbt. of Clinical Investigation Unit (No).	1	2	3	1
(4) Reconstruction of L.B.Vety Dispensaries. (No)	8	8	4	6
(5) Estbt. of First Aid Centres	x	6	4	6
(6) Improvement of Aid Centres	x	4	x	x
(7) Estbt. of Disease Intelligence Service (No)	x	7	x	x

<u>Production of Vaccines</u>	<u>1969-72</u>	<u>1972-73</u> (target)
EDGIV(Doses in lakhs)	11.75	15.00
^{Fowl} Fowl pox_ " -	1.24	3.00
Fowl Cholera " -	0.06	0.10
Anthrax " -	1.11	1.15
B.Q. " -	0.28	0.40
Region Fox " -	0.96	1.00
H.S. " -	1.86	2.00
B.C.F. " -	1.20	1.25
F.D.R.D. " -	18.84	20.00
F.D.F. " -	9.10	10.00
N.S.S. " -	-	20.00
Screening of ^{Bruce} Brucellosis (Nos)	251	350
Screening of T.B. (Nos)	575	700

(7) Education, Research & Statistics:- Education in Vety Service and A.H. is now managed by the Assam Agricultural University. All fundamental and applied research is also managed by this University.

A statistical cell is attached with the Directorate of A.H. & Vety. to collect and compile various data on livestock and livestock products. A statistical review on milk production in the different districts of the State has been compiled by this Cell.

Factual data about production and programmes have also been given in Annexure I and Statement VI.

II. Overall outlay, targets and strategy of development during the Annual Plan 1973-74.

As usual, the emphasis will be laid on all the existing programmes during 1973-74 and attempts will be made to implement the programmes on a more intensive scale.

Information about programmes with outlays has been given in Annexure II and also in statement III.

III. A total outlay of Rs.97.58 lakhs is proposed for the Animal Husbandry Programme in the Annual Plan for 1973-74. The bulk of this outlay will, however, be utilised for the continuing schemes. The schemewise outlays have been shown in statement III. A brief note highlighting various activities proposed under different programmes is given below:

(1) Cattle Development :- Under this programme, it is proposed to set up 40 stockman Centres, one Regional A.I. Centre, one Bull Rearing Farm, one Key Village Block besides expansion of existing Key blocks, expansion of State Cattle farms with exotic herd, etc. An outlay of Rs.34.40 lakhs is proposed for this purpose during 1973-74.

(2) Feed & Fodder Development:- An outlay of Rs. 3.12 lakhs is proposed for intensifying the fodder production drive. The establishment of one fodder production farm, one fodder bank and one feed mixing plant, are also envisaged.

(3) Sheep and Goat Development :- The existing farms will continue with increased number of sheep and goats. It is also envisaged to distribute 200 improved goats and 100 mutton sheep, in order to augment the meat production of the State. A sum of Rs. 2.40 lakhs is proposed for this purpose.

(4) Poultry Development :- An intensive poultry development programme and four Applied Nutrition Programmes are proposed to be taken up. Besides, expansion of the Intensive Poultry development programme already established at various centres will be taken up with additional 150 Units. The marketing section would be established with facilities for storage, quick procurement and disposal of products like eggs, poultry etc. It is also proposed to place sufficient number of poultry specialists at the field level for training of farmers in raising of day old chicks. Distribution of 300 exotic cockrels, 2000 K.C. Ducks and drakes, 200 Units of Poultry (9 pullets and 1 Cockrel in one unit), formation of 15 Cooperative Societies and training of 200 poultry breeders, are also envisaged. An outlay of Rs. 29.16 lakhs has been proposed for poultry development programme during 1973-74.

(5) Piggery development:- The existing farms are proposed to be expanded so that sufficient number of exotic boars (Black & white) would be made available in the rural areas for improvement of local pigs. The distribution programme would also be intensified among the plains tribals and other backward classes. A sum of Rs. 2.50 lakhs is proposed for this purpose.

(6) Animal Health and Disease Control:- The Animal Health Centre and Biological Products Section would be strengthened. The physical targets proposed for 1973-74 are as follows :-

- (i) Estbt. of Vety. Dispensaries - 4 Nos.
- (ii) Estbt. of Vety. Aid Centres - 6 Nos.
- (iii) Improvement of L.B. Dispensaries- 4 "
- (iv) Estbt. of Mobile Vety. Dispensaries- 1 "
- (v) Estbt. of Clinical Investigation Unit. - 1 "

A sum of Rs. 21.10 lakhs is proposed for this scheme.

(7) Education, Research and Statistics :-

A provision of Rs. 1.25 lakhs is proposed for this purpose.

(8) Other Schemes - A total sum of Rs. 3.65 lakhs is required for implementation of six schemes under this head including administrative organisation, livestock census, etc.

Draft Annual Plan 1973-74
Schemewise outlay and expenditure

(Rs. in lakhs)

Sl. No.	Head/Sub-head	Fourth Plan outlay			Actual expenditure			1972-73		1973-74		
		Total	Capital	Foreign exchange	1969-70	1970-71	1971-72	Approved outlay	Anticipated expdr.	Total	Capital	Foreign exchange
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
I.-8 Animal Husbandry:												
I. Cattle Development Programme:												
1.	Scheme for Intensive Cattle Development Project,	80.00	16.10	-	5.81	12.91	14.00	17.00	17.00	25.00	5.00	-
2.	Scheme for Estt. of Sire Evaluation Cell ..	1.62	-	-	-	0.12	0.28	0.30	0.30	0.40	-	-
3.	Key Village Scheme ..	10.00	2.77	-	1.92	1.62	2.42	2.30	2.30	2.50	0.70	-
4.	Estt. of Bull Rearing Farms.	5.00	1.57	-	0.50	0.90	0.50	1.00	1.00	1.50	0.70	-
5.	Gaushala Development Scheme	1.30	-	-	0.20	0.20	0.20	0.15	0.15	0.20	-	-
6.	Scheme for Cattle Show ..	1.90	-	-	0.40	0.30	0.40	0.40	0.40	0.40	-	-
7.	Assistance to Dairy Farming cooperatives ..	-	-	-	-	-	-	-	-	-	-	-
8.	Expansion of Breeding operation.	8.25	1.05	-	1.00	1.00	2.25	2.50	2.50	2.00	-	-
9.	Training of Farmers ..	-	-	-	-	-	-	-	-	-	-	-
10.	Estt. of exotic Dairy Units in State Livestock Farms ..	5.00	1.30	1.50	1.00	0.72	2.20	1.00	1.00	1.20	0.25	-
11.	Milk Yield competition..	1.20	-	-	1.20	0.20	0.20	0.20	0.20	0.20	-	-
12.	Loan for purchase of Milch animals	-	-	-	-	-	-	-	-	-	-	-
Total :-		114.07	22.79	1.50	11.03	17.97	22.45	24.85	24.85	34.40	6.65	-

1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13.

II. Feed and Fodder Development :

1. Expansion of Fodder Seed Farms	2.00	0.30	-	0.74	0.25	0.35	0.32	0.32	0.40	-	-
2. Scheme for Forage conservation.	1.00	-	-	0.20	0.20	0.20	0.10	0.10	0.25	-	-
3. Estt. of Fodder Banks	1.50	1.00	-	-	-	-	-	-	1.34	1.00	-
4. Development of selected grass land.	3.17	0.27	-	0.50	0.57	0.60	0.80	0.80	0.85	-	-
5. Strengthening of Fodder Development organisation.	1.00	-	-	0.06	0.15	0.25	0.26	0.26	0.28	-	-
Total :-	8.67	1.57	-	1.50	1.17	1.40	1.48	1.48	3.12	1.00	-

III. Sheep and Goat Development :

1. Expansion of Goat Farm	2.33	0.55	-	0.30	0.23	0.50	0.28	0.28	0.40	0.15	-
2. Introduction of Goat Farming Economy.	1.00	-	-	0.50	0.50	-	-	-	-	-	-
3. Importation of exotic Goat & Sheep ..	5.00	-	2.50	-	-	-	-	-	1.00	-	-
4. Estt. of New Goat Farm.	-	-	-	-	-	-	-	-	-	-	-
5. Assistance to weaker section of population.	4.00	-	-	0.50	0.50	0.75	-	-	1.00	-	-
Total :	12.33	0.55	2.50	1.30	1.23	1.25	0.28	0.28	2.40	0.15	-

1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13.

IV. Poultry Development:

1. Scheme for A.N.P.	19.07	-	-	1.37	3.80	4.05	2.50	2.50	5.50	-	-
2. Scheme for coordinated poultry Breeding Programme	5.30	0.60	-	0.90	0.80	0.80	1.30	1.30	1.50	0.30	-
3. Manufacture & Distribution of poultry feed & Eggs marketing on commercial basis.	18.52	3.12	-	2.62	3.65	3.75	3.00	3.00	5.50	0.50	-
4. Intensive Egg & Poultry Production-cum-marketing centres.	38.65	6.85	-	5.90	6.90	8.10	8.25	8.25	12.00	2.00	-
5. Expansion of State Poultry and Duck Farms.	11.49	4.45	-	2.49	2.00	2.00	1.00	1.00	3.00	1.00	-
6. Poultry Dev. in Plains Tribal Areas.	2.50	-	-	0.50	0.50	0.50	0.50	0.50	0.50	-	-
7. Strengthening of poultry Development staff.	2.01	-	-	0.30	0.30	0.40	0.45	0.45	0.56	-	-
8. Estt. of Poultry Farms	-	-	-	-	-	-	-	-	-	-	-
9. Training of poultry Farmers	2.46	0.35	-	0.53	0.43	0.50	0.40	0.40	0.60	0.20	-
<u>Total :-</u>	<u>100.00</u>	<u>15.37</u>	<u>-</u>	<u>14.61</u>	<u>18.38</u>	<u>20.10</u>	<u>17.40</u>	<u>17.40</u>	<u>29.16</u>	<u>4.00</u>	<u>-</u>

V. Piggery Development:

1. Expansion of Pig Farms	3.38	0.85	-	0.50	0.73	0.70	0.70	0.70	0.75	0.20	-
2. Estt. of Pig Farms	3.71	0.80	-	0.50	0.66	0.75	0.80	0.80	1.00	0.25	-
3. Distribution of boars & Pigs for formation piggery Dev. Block.	3.50	-	-	0.50	0.75	0.75	0.25	0.25	0.75	-	-
<u>Total :-</u>	<u>10.59</u>	<u>1.65</u>	<u>-</u>	<u>1.50</u>	<u>2.14</u>	<u>2.20</u>	<u>1.75</u>	<u>1.75</u>	<u>2.50</u>	<u>0.45</u>	<u>-</u>

1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13.

VI. Animal Health and Disease Control.

1. Improvement of L.B.Vety. Dispy.	9.50	9.50	-	1.25	1.25	2.00	2.00	2.00	2.00	2.00	-
2. Expansion of B.P. Section including B.C.P.P.	9.05	4.18	-	2.00	1.05	2.00	2.30	2.30	2.80	1.30	-
3. Expansion of Vety. Aid facilities-Estt. Vety. Hospital & Dispensaries.	17.13	7.63	-	3.49	2.42	2.65	3.92	3.92	5.30	2.00	-
4. Estt. of Mobile Vety. Dispensaries.	4.20	-	-	0.30	1.00	0.90	1.50	1.50	1.80	-	-
5. Estt. of Clinical Investigation Unit at Dist. level.	5.52	2.62	-	0.40	1.12	1.20	1.54	1.54	1.70	0.50	-
6. Estt. of Vety. Aid Centres	4.60	2.90	-	0.30	0.50	1.10	2.30	2.30	2.40	1.20	-
7. R.E. Follow-up programme	3.49	-	-	1.00	0.59	0.60	0.70	0.70	0.60	-	-
8. Animal Welfare Board	-	-	-	-	-	-	-	-	-	-	-
9. Disease Intelligence Service-control of T.B. & Brucellosis	6.87	0.30	-	0.71	1.60	1.46	1.70	1.70	1.80	-	-
10. Expansion of A.H. Centre	9.51	4.15	-	0.78	1.28	2.25	2.50	2.50	2.70	0.80	-
Total:-	69.87	31.28	-	10.23	10.81	14.16	18.46	18.46	21.10	7.80	-

VII. Vety. Education, Research and Statistics.

1. Expansion of Assam Vety. College.	4.50	0.38	-	1.50	0.75	0.75	0.25	0.25	0.25	-	-
2. Expansion of School of Vety. Science	1.40	0.20	-	0.40	0.20	0.30	0.20	0.20	0.20	-	-
3. I.C.A.R. Schemes taken over by this Deptt.	5.27	0.42	-	1.59	1.41	0.72	0.75	0.75	0.80	-	-
Total :	11.17	1.00	-	3.49	2.36	1.77	1.20	1.20	1.25	-	-

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.

VIII. Other Schemes:

| | | | | | | | | | | | | |
|----|--|--------|-------|------|-------|-------|-------|-------|-------|-------------------------|-------|---|
| 1. | Administrative Organisation | 3.60 | - | - | 1.00 | 0.50 | 1.13 | 0.90 | 0.90 | 0.90 | - | - |
| 2. | Scheme for Livestock Census | - | - | - | - | - | 0.32 | 1.03 | 1.03 | 1.50 | - | - |
| 3. | Scheme for Estt. of Cell for collection and maintenance of data regarding slaughter House & Milk Production etc. | 3.83 | 1.50 | - | - | - | - | - | - | 0.50 | - | - |
| 4. | A.H.Schemes in I.A.D.P. package Areas. | 0.47 | - | - | 0.02 | 0.30 | 0.05 | 0.55 | 0.05 | 0.05 | - | - |
| 5. | Scheme taken over from C.P. Department. | 2.00 | - | - | 2.00 | - | - | - | - | - | - | - |
| 6. | Scheme for estimation of Livestock & Livestock Products. | 3.40 | - | - | 0.40 | 0.60 | 0.52 | 0.60 | 0.60 | 0.70 | - | - |
| | Total | 13.30 | 1.50 | - | 3.42 | 1.40 | 2.07 | 2.58 | 2.53 | 3.65
3.65 | - | - |
| | Grand Total:- | 340.00 | 75.11 | 4.00 | 47.08 | 55.46 | 65.40 | 68.00 | 68.00 | 97.58 | 20.05 | - |

State - Assam

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Statement - IX-A
(Rs. in lakhs.)

Draft annual plan - 1973-74

Centrally sponsored scheme- schemewise outlay & Expenditure

| Sl. No. | Name of the Scheme | Fourth year plan outlay | Actual expenditure | | | 1972-73 | | 1973-74 | |
|----------|---|-------------------------|--------------------|---------|---------|---------|--------------------|--------------|---------|
| | | | 1969-70 | 1970-71 | 1971-72 | Outlay | Anticipated expdr. | Total outlay | Capital |
| 1. | Projeny testing of Iulls | - | - | - | - | 2.50 | 2.50 | 3.88 | 3.20 |
| 2. | Rinderpest Eradication (Inter State and International Border) | - | 1.85 | 0.80 | 2.01 | 2.30 | 2.30 | 2.50 | - |
| Total :- | | | 1.85 | 0.80 | 2.01 | 4.80 | 4.80 | 6.38 | 3.20 |

Draft Annual Plan 1973-74
Centrally sponsored scheme-schemewise physical targets and achievements

| Sl. No. | Name of the Scheme | Unit | Fourth Plan targets. | Achievement | | | 1972-73 | | 1973-74 |
|---------|---|------|----------------------|-------------|---------|---------|----------|-------------------------|-----------|
| | | | | 1969-70 | 1970-71 | 1971-72 | Proposed | Anticipated achievement | Proposed. |
| | | | | 70 | 71 | 72 | | | |
| 1. | Progeny testing of bulls | No. | 1. | - | - | - | 1 | | |
| 2. | Rinderpest Eradication (Inter state & International Border) | | | | | | | | |
| | Vaccination station | | 1 | 1 | - | - | - | - | - |
| | Vigilance units | | 3 | 2 | - | 1 | - | - | - |

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Annual plan 1973-74
Central programmes

(Rs. in lakhs)

| Sl. No. | Programme | 1969-70
Actual | 1970-71
Actual | 1971-72
Actual | 1972-73
Allotment | 1972-73
Anticipated expenditure | 1973-74
proposed |
|----------|---------------------------------------|-------------------|-------------------|-------------------|----------------------|------------------------------------|---------------------|
| 1. | <u>Special employment Programmes.</u> | | | | | | |
| 1. | Animal Husbandry & Dairying | - | - | - | 17.30 | 17.30 | 20.00 |
| Total :- | | - | - | - | 17.30 | 17.30 | 20.00 |

State: Assam.

Annual Plan - 1973-74, Animal Husbandry
Physical targets and achievements.

| Sl. No. | Schemes | Unit | Fourth Plan Target. | Achievement | | | 1972-73 | | 1973-74 Target. |
|---------|---------|------|---------------------|-------------|---------|---------|---------|-------------------------|-----------------|
| | | | | 1969-70 | 1970-71 | 1971-72 | Target | Anticipated achievement | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

I. Animal Husbandry:

| | | | | | | | | | |
|--|------|------|-----|-----|-----|-----|-----|-----|-----|
| 1. Intensive Cattle Dev. Project (New) | Nos. | 1 | 1 | - | - | - | - | - | - |
| 2. Key Village Blocks (a) New | Nos. | 6 | 2 | 1 | 2 | 1 | 1 | - | 1 |
| (b) Expansion | Nos. | 10 | 2 | 3 | 2 | 2 | 2 | 2 | 1 |
| 3. Cattle Breeding Farms: | | | | | | | | | |
| (a) New | Nos. | - | - | - | - | - | - | - | - |
| (b) Expansion | Nos. | 7 | 1 | 1 | 2 | 2 | 2 | 2 | 1 |
| 4. Bull Rearing Farms | Nos. | 2 | - | 1 | - | 1 | - | - | 1 |
| 5. Fodder Seed Production Farms | Nos. | 2 | 1 | - | - | - | - | - | 1 |
| 6. Fodder Banks | Nos. | 1 | - | - | - | - | - | - | 1 |
| 7. Feed mixing plants | Nos. | 4 | - | - | 1 | 1 | 1 | 1 | 1 |
| 8. Sheep Breeding Farms (a) New | Nbs. | - | - | - | - | - | - | - | - |
| (b) Expansion | Nos. | - | - | - | - | - | - | - | - |
| 9. Sheep and Wool Extension centres (a) New ... | Nos. | - | - | - | - | - | - | - | - |
| (b) Expansion | Nos. | - | - | - | - | - | - | - | - |
| 10. Sheep Shearing, wool grading and marketing centre | No. | - | - | - | - | - | - | - | - |
| 11. Poultry Breeding Farms: | | | | | | | | | |
| (a) New | Nos. | - | - | - | - | - | - | - | - |
| (b) Expansion | Nos. | 10 | - | 6 | 2 | 2 | 2 | 2 | - |
| 12. Intensive Egg & Poultry production cum marketing centres (New) | Nos. | 4 | 1 | - | 1 | 1 | 1 | 1 | - |
| 13. Poultry Farmers trained | Nos. | 1500 | 179 | 110 | 200 | 270 | 270 | 270 | 500 |
| 14. Bacon factories (Spillover) | Nos. | - | - | - | - | - | - | - | - |
| 15. Pork processing plant | Nos. | - | - | - | - | - | - | - | - |
| 16. Pig Breeding Farms | Nos. | 2 | 1 | 1 | - | - | - | - | - |
| 17. Piggery Dev. Blocks | Nos. | - | - | - | - | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
|--|----|-----------------|--------|-----|-------|-----|-----|-----|--------|
| 18. (a) Vety. Hospitals & Dispensaries (New) | | Nos. 20 | 4 | 4 | 3 | 4 | 4 | 4 | 4 |
| 19. Hide flaying/carcass utilisation centre | | Nos. - | - | - | - | - | - | - | - |
| 20. Production of Animal Product | | | | | | | | | |
| (a) Milk/Milk Products | | Thousand tonnes | 125 | 100 | 107.5 | 115 | 120 | 120 | 125 |
| (b) Meat (All types) | | Kgs. | 250 | 40 | 43 | 50 | 55 | 55 | 62 |
| (c) Eggs | | Million | 196.13 | 160 | 180 | 194 | 195 | 195 | 196.13 |
| (d) Wool | | Kgs. | - | - | - | - | - | - | - |

State - Assam

Annual Plan - 1973-74 - Animal Husbandry
Programmewise financial outlay.General Areas:
Annexure II.

(Rs. in lakhs.)

| Sl. No. | Programme. | Fourth plan | Actual expenditure | | | | 1973-74 | | | |
|---------|------------------------------------|-------------|---------------------------|---------------------------|---------------------------|---------|----------|-------------|-------|---------------------|
| | | | 1969-70 | 1970-71 | 1971-72 | 1972-73 | Approved | Anticipated | Total | Capital Expenditure | Foreign Exchange |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1. | Cattle Development | 114.07 | 11.03 | 17.97 | 22.45 | 24.85 | 24.85 | 34.40 | 6.65 | |
| 2. | Feed and Fodder Development | 8.67 | 1.50 | 1.17 | 1.40 | 1.48 | 1.48 | 3.12 | 1.00 | |
| 3. | Sheep and Goat Development | 12.33 | 1.30 | 1.23 | 1.25 | 0.28 | 0.28 | 2.40 | 0.15 | |
| 4. | Poultry Development | 100.00 | 14.61 | 18.38 | 20.10 | 17.40 | 17.40 | 29.16 | 4.00 | |
| 5. | Piggery Development | 10.59 | 1.50 | 2.14 | 2.20 | 1.75 | 1.75 | 2.50 | 0.45 | |
| 6. | Animal Health and disease control | 69.87 | 10.23
10.23 | 10.81
10.81 | 14.16
14.16 | 18.46 | 18.46 | 21.10 | 7.30 | |
| 7. | Other Schemes | 13.30 | 3.42 | 1.40 | 2.07 | 2.53 | 2.53 | 3.65 | - | |
| 8. | Education Research and Statistics. | 11.17 | 3.49 | 2.36 | 1.77 | 1.20 | 1.20 | 1.25 | - | |
| Total:- | | 340.00 | 47.08 | 55.46 | 65.40 | 68.00 | 68.00 | 97.58 | 20.05 | |

P/M/11/11/72.

State : Assam

DRAFT ANNUAL PLAN- 1973-74
(General Areas)

I- 9. DAIRYING AND MILK SUPPLY

I. The two town milk supply schemes at Gauhati and Jorhat have been in operation. A central Dairy having a pasteurising plant of 10,000 litres capacity, is being maintained by the Gauhati Milk Supply Scheme. This plant is fed by three chilling plants and handles about 1000 to 1200 litres of milk per day. There are 6 milk cooperatives. Pilot Schemes for milk supply at Tezpur and Dibrugarh have been taken up. One ICAR scheme on co-ordinated Research Project to study the cost of chilling and transportation of milk to city Dairies was taken up in 1971-72.

Programmes for 1972-73 are as follows:-

- (i) The town milk supply scheme at Gauhati would be equipped for production of toned milk and recombined milk to meet the demand in the lean season.
- (ii) The construction of the Central Dairy at Jorhat would be taken up. The collection and handling of milk would be intensified.
- (iii) The town milk supply schemes at Dibrugarh and Tezpur would be intensified by establishing two chilling plants.
- (iv) Financial assistance would also be given to the interested breeders for purchase of milch animals, in order to increase milk production.

Physical achievements made under the Dairying and Milk Supply Schemes, are shown in Annexures I & II.

II. One new town milk supply scheme is proposed to be established during 1973-74, besides strengthening of the existing milk supply schemes. Financial assistance is also proposed to be advanced to the interested breeders for purchase of milch animals. Training of Dairy personnel is also envisaged. The Scheme-wise financial outlays for a total amount of Rs.16.26 lakhs for 1973-74, have been shown in Statement III & Annexure - III.

Draft Annual plan-1973-74
Schemewise outlay and expenditure

Statement III
State-Assam (General Areas)
(Rs. in lakhs.)

| Sl. No. | Head/Sub-head/
Scheme | 4th Plan outlay | | | Actual expenditure | | | 1972-73 | | 1973-74 | | |
|---|--|-----------------|--------------|---------------------------|--------------------|--------------|--------------|--------------|-----------------------|--------------|-------------|--------------------------|
| | | Total | Capital | Fore-ign
excha-
nge | 1969-70 | 1970-71 | 1971-72 | outlay | Anticipated
Exptr. | Total | Capital | Fore-ign
exchang
e |
| I-9. Dairying & Milk Supply: | | | | | | | | | | | | |
| 1. | Spillover Milk Supply Scheme Jorhat. | 22.83 | 7.82 | 1.00 | 4.35 | 3.98 | 7.00 | 6.00 | 6.00 | 4.50 | 1.00 | - |
| 2. | New Milk supply scheme, Tezpur, Dibrugarh & Silchar. | 10.55 | 2.00 | - | - | 0.25 | 2.00 | 5.00 | 5.00 | 5.00 | 1.00 | - |
| 3. | Strengthening and stabilisation of milk plant at Gauhati-i. | 25.90 | 4.08 | - | 6.79 | 5.81 | 5.92 | 5.00 | 5.00 | 4.47 | 0.50 | - |
| 4. | Rural Dairy Extension services. | 4.2 | - | - | 1.42 | 0.35 | 0.45 | 0.50 | 0.50 | 0.50 | - | - |
| 5. | Loan for purchase of Milch animals | 4.50 | 4.50 | - | - | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | - |
| 6. | Dairy Development staff. | 1.49 | - | - | 0.14 | 0.07 | 0.80 | 0.25 | 0.25 | 0.24 | - | - |
| 7. | Training of Dairy personnel | 0.51 | - | - | 0.30 | 0.06 | 0.03 | - | - | 0.15 | - | - |
| 8. | Scheme for survey and Statistics | - | - | - | - | - | - | - | - | - | - | - |
| 9. | Coordinated Research project to study the cost of chilling and Transportat _i on of milk | - | - | - | - | - | - | 0.25 | 0.25 | 0.40 | - | - |
| Total :- | | 70.00 | 18.40 | 1.00 | 13.00 | 11.52 | 17.70 | 18.00 | 18.00 | 16.26 | 2.50 | - |

State - Assam.

Annual plan 1973-74-Dairying and milk supplyInstalled capacity and the quantity of milk handled by the milk
scheme/product factories.

| Sl. No. | Name/Location of the milk scheme/product factory | Year of commissioning | 1969-70 | | 1970-71 | | 1971-72 | |
|---------|--|-----------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|
| | | | Installed capacity | Actually handled | Installed capacity | Actually handled | Installed capacity | Actually handled |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1. | Gauhati Town Milk Supply Scheme | 15.1.63 | 10,000 litres | 5,000 litres | 10,000 litres | 6,000 litres | 10,000 litres | 6,000 litres |
| 2. | Jorhat Milk Supply Scheme | 14.11.67 | - | 1,500 litres | - | 2,000 litres | - | 2,000 litres |

Annual Plan 1973-74 - Dairying & Milk Supply
Physical targets and achievements

(General Areas)
Annexure II.

| Sl. No. | Item | Fourth Plan 1969-74 | | | Completed 1970-71 | | 1972-73 | | 1973-74 | |
|---------|-------------------------------------|---------------------|----|----|-------------------|---------------------------------------|---------------------------------------|--------------------------|---------------------------|--|
| | | Target | 70 | 71 | 72 | Initiated/anticipated to be initiated | Completed/anticipated to be completed | Proposed to be initiated | Proposed to be completed. | |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | |
| 1. | New Milk Supply Schemes. | 3 | - | - | - | 2 | 2 | 1 | 1 | |
| 2. | Spill over Milk Supply Schemes | 1 | - | - | - | 1 | 1 | - | - | |
| 3. | Expansion of Milk Supply Scheme | 1 | - | - | - | - | - | - | 1 | |
| 4. | Milk Product Factory | - | - | - | - | - | - | - | - | |
| 5. | Spill over Milk Product factory. | - | - | - | - | - | - | - | - | |
| 6. | Expansion of Milk Product Factories | - | - | - | - | - | - | - | - | |
| 7. | Rural Dairy Centres | 1 | - | - | - | - | - | 1 | - | |

State - Assam Annual Plan - 1973-74- Dairying & Milk Supply
 Programmewise financial outlay

General Areas
 Annexure - III.
 (Rs. in lakhs).

| Sl. No. | Programme | Fourth Actual expenditure | | | 1972-73 | | 1973-74 | | | |
|----------|---|---------------------------|---------|---------|---------|-----------------|-------------------------|-------|---------|------------------|
| | | plan outlay | 1969-70 | 1970-71 | 1971-72 | Approved outlay | Anticipated expenditure | Total | Capital | Foreign exchange |
| 1. | Milk Supply Scheme | 59.28 | 11.14 | 10.04 | 15.42 | 16.00 | 16.00 | 13.97 | 2.50 | - |
| 2. | Milk Product factories including creameries | - | - | - | - | - | - | - | - | - |
| 3. | Rural Dairy centre/ Extension services | 4.22 | 1.42 | 0.35 | 0.45 | 0.50 | 0.50 | 0.50 | - | - |
| 4. | Education training and Research. | 0.51 | 0.30 | 0.06 | 0.03 | - | - | 0.15 | - | - |
| 5. | Other Schemes | 5.99 | 0.14 | 1.07 | 1.80 | 1.50 | 1.60 | 1.64 | - | - |
| Total :- | | 70.00 | 13.00 | 11.52 | 17.70 | 18.00 | 18.00 | 16.26 | 2.50 | - |
| | | | | | | | 18.00 | 16.26 | | |

1 - 10 FORESTS

A critical review of the performance in the years 1969-70 to 1971-72 and the expected achievements of 1972-73.

Progress of expenditure and achievements of targets have been satisfactory during the first three years of the 4th Plan, and the tempo of development initiated during previous Plan's have been fully maintained during the fourth year of the 4th Plan i.e. 1972-73 as can be seen from the following:-

| Year | | Provision
(Rs. in lakhs) | | Expenditure
(Rs. in lakhs) |
|----------|-----|------------------------------|-----|--------------------------------|
| 1969-70 | ... | 35.00 | ... | 36.93 |
| 1970-71 | ... | 49.00 | ... | 48.92 |
| 1971-72 | ... | 55.10 | ... | 55.12 |
| 1972-73 | ... | 54.00 | ... | 54.00 (Anticipated) |
| Total :- | | 193.10 | ... | 194.97 |

It would thus appear that against the revised 4th Plan outlay of Rs. 265.00 lakhs, the expenditure for first 4 years has been Rs. 194.97 lakhs only and, therefore, to fulfill the balance financial target of the 4th Plan it is necessary that a provision of Rs. 70.03 lakhs as proposed in the Annual Plan 1973-74, should be made to maintain the tempo of activities.

In addition to above, a centrally sponsored scheme of Forest Resources Survey Scheme was also implemented successfully as below :-

| Year | | Provision
(Rs. in lakhs) | | Expenditure
(Rs. in lakhs) |
|---------|-----|-----------------------------|-----|-------------------------------|
| 1969-70 | ... | Rs. 0.75 | ... | Rs. 0.76 |
| 1970-71 | ... | Rs. 0.90 | ... | Rs. 0.87 |
| 1971-72 | ... | Rs. 0.50 | ... | Rs. 0.875 |
| 1972-73 | ... | Rs. 0.80 | ... | Rs. 0.80 (Anticipated) |

~~1-1~~

During the period under review adequate attention has been given to Economic Plantation and During Nature Conservation Schemes. Special emphasis has also been laid on Hard Wood, Plywood, Teak Plantation, Matchwood and Medicinal Plantations. A total area of 5625 hec has already been brought under Economic Plantation upto 1971-72 and a further addition of 2312 hec is envisaged during 1972-73. The State Zoo and Botanical Garden was also given proper attention. Under the Nature Conservation Schemes such as National Park of Wild Life Sanctuaries special emphasis has been given to provide more tourist facilities and protection of fauna. During the period, two Wild Life Divisions have been created and efforts for better and proper protection of the sanctuaries have been made.

Under "Forest Protection" Scheme three more protection squads have been raised upto 1971-72 guard against commission of forest offences and for detection of illegalities. Training facilities at the Forest Training School have been expanded with additional provision for Forest Guards' training in the Assam-Forest School under the Scheme Training of Staff. The Scheme for Logging Training has received adequate attention and 12 centres have already been opened in all 12 territorial forest divisions with trained staff. Under the scheme of Amenities to Forest Staff and Labour, special attention has been given to provide forest Villagers with roads and drinking water facilities. Upto 1971-72 30 Ring Wells, 24 ~~or~~ Tubewells and 15.9 Km. of Road have been constructed and during 1972-73 it is expected to construct 12 Ring Wells, 2 Tubewells and 4 Km. of Roads. (both new and improvement). Special attention has been given to 'Communication' Scheme for construction of new roads and improvement of existing roads to facilitate economic exploitation of forest produce and thereby earn more revenue. Already 64.37 Km. of new roads and improvement of 412 Km. of the existing roads has been completed. It is expected to complete construction of new roads of 35 Km. and improvement of the existing roads of 100 Km. during 1972-73.

Under the Scheme "Rehabilitation of Degraded Forest" due attention has been given to rehabilitate the ex-zamindary forest areas which are potentially rich by creation of Sal and other plantations, adequate cultural operation and other measures. A total of 220 Hec. of Plantation, 125 buildings, 15.5 Km of roads have been completed upto 1971-72. ~~and~~ ~~and~~ It is expected to create 200 Hec. of plantation and to construct 5 buildings and 1 Km. of roads during 1972-73.

The Scheme of 'Fast Growing Species' ^{received special} attention and a new division was opened during 1969-70 to cope with the expansion programme of plantations. 2304 hec. has already been created upto 1971-72 and 1100 Hec. is expected to be created during 1972-73.

Under the scheme "Consolidation of Forest" new Forest areas proposed for reservation are surveyed, mapped and Notifications prepared while ~~steps~~ steps have also been taken.

For final reservation. In addition, existing forest reserves have also been surveyed, mapped boundary ~~described~~ and pillars fixed. 2972 Km. has already been surveyed and 3835 boundary pillars have been fixed upto 1971-72 and it is expected to undertake survey of 800 Km. and fixation of 500 boundary pillars during 1972-73.

Under the scheme Intensification of management, two more forest divisions have been created for efficient and intensified management of the State forests and thereby earn more revenue.

Proper attention has also been ~~fig~~ given to forest publicity on Forestry & Wild Life matters. For this purpose one projector and some films on Wild Life have been purchased.

Experiments to find suitable methods for ~~Plantation~~ ^{with} problem areas and to find out growth statistics of fast growing species are being undertaken under the scheme "Forest Research" along ^{with} experiments on medicinal plants.

A forest resources survey Division has been created under the

"Forest Resources Survey" for taking up survey of areas containing no materials to feed forest-based Industries. 1061 sq. miles have already been surveyed upto 1971-72 and survey of 320 sq. miles are expected to be completed during 1972-73,

Factual data about achievement under various programmes is given in Annexure-1
II Objectives, overall outlays and targets envisaged for 1973-74

With a view to maintain a sustained tempo of expanding developing activities for overall development of the forests and creation of forest resources to meet the increasing demand of the forest-based industries and to earn increasingly sustained revenue to the State, it is proposed to implement during 1973-74 all the schemes of the previous years with a total outlay of Rs. 70.03 lakhs.

Special emphasis is proposed to be given to Communications, Economic Plantations including Fast growing species and Nature conservation Schemes for bringing more areas under economic Plantation and for protection of the flora and fauna and to attract more tourists to the Wild Life of sanctuaries. It is also proposed to give due attention to the schemes of Rehabilitation of Degraded Forests, Intensification of management, Logging Training, etc.

The information relating to targets under main programmes as well as information on outlays are given in Annexure I and I Statement III

(III) Programme of Forest Development during 1973-74

(1) Farm Forestry-cum Fuel Wood Plantation

There is not much scope in this respect due to non-availability of suitable areas and hence this Scheme is not being implemented in this State.

(2) Communications-Special emphasis is proposed to be given to this scheme for construction of new Roads and improvement of existing roads to facilitate economic exploitation of forest produce and thereby earn more revenue. Already new construction of 99.37 Km and improvement of existing 512 Km of roads has been completed upto Oct. 1972.

Following targets are proposed during 1973-74.

(1) ~~New Roads~~ - 100 Km.

(II) Improvement of existing roads 200 Km.

(3) Fast growing species.

More plantation areas are proposed to be taken up under the scheme for meeting the increasing demand of various forest-based industries. Already 2304 hec has been created upto 1971-72 and 1100 hec is expected to be created during 1972-73. The target fixed for 1973-74 is as follows.-

(I) New Creation - 1000 hec.

(II) Maintenance - 3385 hec.

(4) Economic Plantations

Special attention is proposed to be given for taking up large areas under Teak, Matchwood, Plywood and Regeneration. A total area of 7937 hec is expected to be created upto 1972-73.

The Target for 1973-74 is as follows:-

(I) Creation - 2392 hec.

(II) Maintenance - 6751.47 hec.

(III) Advance action - 3980 hec.

(5) Forest Consolidation.

Under the Scheme, new Forest areas proposed for reservation are surveyed, mapped and notification prepared and steps taken for their final reservation. In addition, existing forest reserves are also properly surveyed, mapped, boundary described and pillars fixed. Correct boundary notified and limit of forest villages are fixed by proper maps and putting boundary pillars.

3772 Km. is expected to be surveyed upto 1972-73 and fixation of 3335 boundary pillars are expected to be completed upto 1972-73.

Target proposed for 1973-74 is as follows

(1) Boundary survey - 800 Km

(II) Boundary Pillars - 500 Km.

(6) Timber Operation (Logging Training)

It is proposed to train up more ^{staff} and in turn to train up more forest workers in logging operations to reduce wastage ⁱⁿ of training of 3 Asstt.

30 Foresters has already been completed upto 1971-72. The provisions for 1972-73 and 1973-74 are mainly for maintenance of the above staff as well as for the preliminary expenditure required in connection with opening up of a central training camp for imparting training to forest workers in scientific logging and maintenance of tools and implements.

(7) Rehabilitation of Degraded Forests

Ex-zamindari forest areas of the State are potentially rich forests and can earn good revenue. These forests were over exploited and maltreated in the past, and are now being gradually improved by protection and improvement by cultural measures and by raising economic plantations, improvement of roads etc. A total of 420 hec. of plantation, 30 buildings and 16.5 Km. of roads are expected to be completed by 1972-73.

The target for 1973-74 is as follows :-

Plantation :-

| | | |
|------------------|-----|----------|
| (i) Creation | ... | 200 hec. |
| (ii) Maintenance | ... | 420 hec. |
| Buildings | ... | 6 Nos. |
| Roads | ... | 5 Km. |

(8) Nature conservation

Under the scheme of "National Park and Wild Life Sanctuary" special emphasis is proposed to be given to provide more tourist facilities and protection of fauna. Further development of the Zoo and Botanical Garden is also proposed. Two Wild life Divisions have already been created.

(9) Forest Research

Experiments to find out suitable methods for planting of problem areas and to find out growth statistics of fast growing species will be taken up under the Scheme along with experiments on medicinal plants.

(10) Forest Resources Survey

SCHEMewise OUTLAYS AND EXPENDITURE

I-10. FORESTS

| Head
No. | Sub-Head/Schemes | Fourth Plan outlay
(1969-74) | | | Actual Expenditure | | | 1972-73 | | 1973-74
(Proposed outlay) | | Proposed outlay |
|---|---|---------------------------------|---------|------------------|--------------------|---------|---------|-----------------|-------------------|------------------------------|---------|------------------|
| | | Total | Capital | Foreign Exchange | 1969-70 | 1970-71 | 1971-72 | Approved outlay | Anti-capital Exp. | Total | Capital | Foreign Exchange |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1. ECONOMIC PLANTATIONS | | | | | | | | | | | | |
| 1. | Regeneration. | 18.10 | 18.10 | - | 2.33 | 3.30 | 3.65 | 4.28 | 4.20 | 4.98 | 4.98 | - |
| 2. | Plywood Plantation | 6.05 | 6.05 | - | 0.79 | 0.97 | 1.10 | 1.40 | 1.248 | 1.90 | 1.90 | - |
| 3. | Matchwood Plantation. | 8.27 | 8.27 | - | 1.33 | 1.53 | 1.64 | 1.80 | 1.74 | 2.08 | 2.08 | - |
| 4. | Tea-k Plantation. | 20.70 | 20.70 | - | 2.34 | 2.80 | 3.94 | 5.20 | 4.539 | 5.74 | 5.74 | - |
| 5. | Khoir Plantation. | 0.395 | 0.395 | - | 0.10 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | - |
| Total Economic Plantation | | 53.515 | 53.515 | - | 6.89 | 8.67 | 10.40 | 12.76 | 11.807 | 14.78 | 14.78 | - |
| 6. Rehabilitation of Degraded Forests. | | | | | | | | | | | | |
| 6. | Rehabilitation of Degraded Forests. | 7.96 | 7.96 | - | 0.47 | 1.72 | 1.86 | 1.80 | 1.77 | 2.20 | 2.20 | - |
| 7. Minor Forest Product-cultivation of Medicinal Plants. | | | | | | | | | | | | |
| 7. | Minor Forest Product-cultivation of Medicinal Plants. | 1.82 | 1.82 | - | 0.29 | 0.42 | 0.35 | 0.31 | 0.31 | 0.50 | 0.50 | - |

| <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> | <u>10</u> | <u>11</u> | <u>12</u> | <u>13</u> |
|--|----------|--------------|--------------|----------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-----------|
| 8. Communication | | 20.75 | 20.75 | - | 5.25 | 3.62 | 5.19 | 2.75 | 1.50 | 5.60 | 5.60 | - |
| 9. Consolidation of Forests
including Surrey
Reservation | | 6.56 | - | - | 1.02 | 1.39 | 1.23 | 1.30 | 1.507 | 1.50 | - | - |
| Total :- | | 37.09 | 30.53 | - | 7.03 | 7.15 | 8.63 | 6.16 | 5.087 | 9.80 | 8.30 | - |

NATURE CONSERVATION INCLUDING WILDLIFE

| | | | | | | | | | | | | |
|--|--|--------------|--------------|----------|-------------|--------------|--------------|-------------|--------------|--------------|-------------|----------|
| 10. National park and Wild
Life Sancturary. | | 32.70 | 15.25 | - | 4.62 | 6.23 | 6.38 | 6.00 | 7.137 | 8.50 | 3.50 | - |
| 11. Zoo | | 16.42 | 7.40 | - | 2.92 | 4.04 | 2.84 | 2.35 | 2.114 | 3.95 | 1.50 | - |
| 12. Botanical Garden | | 2.25 | 0.40 | - | 0.56 | 0.46 | 0.37 | 0.20 | 0.20 | 0.59 | - | - |
| 13. Wild Life Division | | 6.61 | 2.75 | - | 0.72 | 1.89 | 1.50 | 1.00 | 1.359 | 1.70 | 0.50 | - |
| Total Nature Conservation | | 57.98 | 25.80 | - | 8.82 | 12.62 | 11.09 | 9.55 | 10.81 | 14.74 | 5.50 | - |
| 11. National Park & Wild
Life Sancturary | | 32.70 | 15.25 | - | 4.62 | 6.23 | 6.38 | 6.00 | 7.137 | 8.50 | 3.50 | - |

Contd. ②

| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|------|---------|---------|---|-------|-------|-------|-------|--------|-------|-------|----|
| 1. Training of Staff-Assam Forest School | | 3.56 | 0.75 | - | 0.55 | 0.48 | 1.22 | 0.55 | 0.64 | 0.65 | 0.20 | - |
| 2. Timber Operation-Logging Training | | 7.77 | 0.10 | - | 0.42 | 0.87 | 1.91 | 2.50 | 2.277 | 2.35 | - | - |
| 3. Forest Protection | | 7.25 | 1.50 | - | 0.94 | 0.81 | 1.76 | 1.25 | 1.25 | 1.85 | 0.30 | - |
| 4. Forest Research | | 1.23 | - | - | 0.22 | 0.42 | 0.20 | 0.20 | 0.20 | 0.20 | - | - |
| 5. Planning & Statistical Cell | | 10.445 | - | - | 2.19 | 1.78 | 2.06 | 2.10 | 2.10 | 2.25 | - | - |
| 6. Amenities to Forest Staff and labour | | 2.35 | 0.60 | - | 0.50 | 0.50 | 0.48 | 0.40 | 0.315 | 0.45 | 0.25 | - |
| 7. Construction of Buildings | 6.80 | 6.80 | 6.80 | - | 1.00 | 1.80 | 1.44 | 0.80 | 1.20 | 2.00 | 2.00 | - |
| 8. Intensification of management & Creation of New Administrative Unit. | | 16.24 | 7.50 | - | 1.06 | 2.87 | 3.33 | 3.50 | 3.64 | 4.60 | 2.50 | - |
| 9. Publicity | | 1.20 | - | - | 0.19 | 0.26 | 0.11 | 0.20 | 0.114 | 0.26 | - | - |
| 10. Plantation of Fast Growing Species | | 55.46 | 55.46 | - | 6.66 | 10.03 | 11.41 | 13.50 | 13.75 | 15.00 | 15.00 | - |
| 11. Cultural Operation | | 1.729 | 55 | - | - | 0.46 | 0.52 | 0.25 | 0.21 | 0.50 | - | - |
| 12. Purchase of Vehicles | | 2.381 | 2.381 | - | 0.46 | 0.20 | 0.56 | 0.28 | 0.60 | 0.60 | - | - |
| Total:- | | 116.415 | 75.091 | - | 14.19 | 20.48 | 25.00 | 25.53 | 26.296 | 30.71 | 20.20 | - |
| | | 265.00 | 184.936 | - | 36.93 | 48.92 | 55.12 | 54.00 | 54.00 | 70.03 | 48.78 | - |

DRAFT ANNUAL PLAN 1973-74
CENTRALLY SPONSORED SCHEME
SCHEME-WISE OUTLAY AND EXPENDITURE

STATEMENT -IX-A
STATE :-ASSAM
(Rs. in lakhs)

| No. | Name of the Scheme | Fourth Year
Plan
Outlay
1969-74 | Actual Expenditure | | | 1972-73 | | 1973-74 (Proposed) | |
|-----|--------------------|--|--------------------|---------|---------|---------|----------------------------|--------------------|---------|
| | | | 1969-70 | 1970-71 | 1971-72 | Outlay | Anticipated
Expenditure | Total Outlay | Capital |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

FORESTS

Forest Resiyrce

Forest Resources
Survey

| | | | | | | |
|------|------|------|-------|------|------|------|
| 6.25 | 0.76 | 0.87 | 0.875 | 0.80 | 0.80 | 0.87 |
|------|------|------|-------|------|------|------|

ANNUAL PLAN 1973-74- FORESTS
PHYSICAL TARGETS AND ACHIEVEMENTS

ANNEXURE - I

| ITEM | Unit | Fourth Plan Target. | Achievements | | | | | |
|--|--------|---------------------|--------------|-----------|------|------|------|---------|
| | | | 1969 - 70 | 1970 - 71 | | | | |
| 1 | 2 | 3 | 4 | 5 | | | | |
| 1. Farm Forestry-cum-Fuelwood Plantation. | | | | | | | | |
| (a) During the Year | - | - | - | - | | | | |
| (b) upto the end of the year. | - | - | - | - | | | | |
| 2. COMMUNICATION : | | | | | | | | |
| (a) During the year | 1) Km. | 1)N- | 1)N- | 114 | 1)N- | 1)24 | 1)N- | 6.6 |
| | 2) Km. | | 2)E- | 425 | 2)E- | 124 | 2)E | 136.9 |
| (b) Upto the end of the year. | 1)Km. | | 1)N- | 5936.57 | 1)N- | 1128 | 1)N- | 1134.6 |
| | 2)Km. | | 2)E- | 22285.43 | 2)E- | 4177 | 2)E- | 4313.94 |
| 3. QUICK GROWING SPECIES | | | | | | | | |
| (a) During the year | 1)Hec. | | 1)C- | 5650 | 1)C- | 224 | 1)C- | 780 |
| | 2)Hec. | | 2)M- | 17578 | 2)M- | 2285 | 2)M- | 2439 |
| (b) Upto the end of the year. | 1)Hec. | | 1)C- | 40725 | 1)C- | 6101 | 1)C- | 6881 |
| | 2)Hec. | | 2)M- | 38594 | 2)M- | 2285 | 2)M- | 4724 |

Contd14

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | | | |
|--|----------|----------|----------|----------|----------|------|------|------|
| 4. <u>ECONOMIC PLANTATIONS</u> | | | | | | | | |
| (i) Regeneration ; | 1)Hec. | | 1)C- | 4047 | 1)C- | 554 | 1)C- | 878 |
| (a) During the yera | 2)Hec. | | 2)M- | 8904 | 2)M- | 881 | 2)M- | 1319 |
| (b) Upto the end of year | 1)Hec. | | 1)C- | 51037 | 1)C- | 8417 | 1)C- | 9295 |
| | 2)Hec. | | 2)M- | 21361 | 2)M- | 881 | 2)M- | 2200 |
| (ii) <u>Plywood Plantation</u> | | | | | | | | |
| (a) During the year | 1)Hec. | | 1)C- | 757 | 1)C- | 72 | 1)C- | 140 |
| | 2)Hec. | | 2)M- | 1898 | 2)M- | 219 | 2)M- | 287 |
| (b) Upto the end of the year | 1)Hec. | | 1)C- | 9885 | 1)C- | 1685 | 1)C- | 1825 |
| | 2)Hec. | | 2)M- | 4705 | 2)M- | 219 | 2)M- | 506 |
| (iii) <u>Matbhwood Plantation</u> | | | | | | | | |
| (a) During the Year | 1)Hec. | | 2)C- | 1891 | 1)C- | 287 | 1)C- | 400 |
| | 2)Hec. | | 2)M- | 5875 | 2)M- | 807 | 2)M- | 1096 |
| (b) Up to the end to the year | 1)Hec. | | 1)C- | 23437 | 1)C- | 3886 | 1)C- | 4286 |
| | 2) Hec. | | 2)M- | 16254 | 2)M- | 807 | 2)M- | 1903 |
| (iv) <u>Teak Pla-ntation</u> | | | | | | | | |
| (a) During the year | 1)Hec. | | 1)C- | 3620 | 1)C- | 320 | 1)C- | 612 |
| | 2)Hec. | | 2)M- | 8274 | 2)M- | 836 | 2)M- | 1156 |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
|---|---|---|---|---|

| | | | | | | | |
|-------------------------------|--------|------|-------|------|------|------|------|
| (b) Upto the end of the year. | 1)Hec. | 1)C- | 20022 | 1)C- | 2444 | 1)C- | 3056 |
| | 2)Hec. | 2)M- | 20274 | 2)M- | 836 | 2)M- | 3566 |
| | | | | | | | 1992 |

(V) Khoir Plantation

| | | | | | | | |
|------------------------------|--------|------|-------|------|-------|------|-------|
| (a) During the year | 1)Hec. | 1)C- | | 1)C- | | 1)C- | |
| | 2)Hec. | 2)M- | 40.47 | 2)M- | 40.47 | 1)M- | 40.47 |
| (b) Upto the end of the year | 1)Hec. | 1)C- | | 1)C- | | 1)C- | |
| | 2)Hec. | 2)M- | 40.47 | 2)M- | 2176 | 2)M- | 2176 |

Total Economic Plantations

| | | | | | | | |
|------------------------------|--------|------|----------|------|---------|------|-------|
| (a) During the year. | 1)Hec. | 1)C- | 10315 | 1)C- | 1233 | 1)C- | 2030 |
| | 2)Hec. | 2)M- | 24991.47 | 2)M- | 2783.47 | 2)M- | 8858 |
| (b) Upto the end of the year | 1)Hec. | 1)C- | 104382 | 1)C- | 16432 | 1)C- | 18462 |
| | 2)Hec. | 2)M- | 73474 | 1)M. | 4919 | 2)M- | 8777 |

Rehabilitation of Degraded Forests

(a) During the year 1)Hec.

1) - Rsg
 (a) C- 600
 (b) M- 700

| 1 | 2 | 3 | 4 | 5 |
|------------------------------|------------|-------------------|----------------------|------------------|
| (a) During the year | I) Hec. | I) Reg | 1) Reg | 1) Reg |
| | (a) C- 100 | (a) C- 600 | (a) C- 60 | (a) C- 60 |
| | (b) M- 700 | (b) M- 700 | | |
| | 2) No. | 2) Building - 42 | 2) Building - 2 | 2) Building - 14 |
| | 3) Km. | 3) Road - 17 | 3) Road - 2 | 3) Road - 11.5 |
| | 4) No. | 4) B.P. - 610 | 4) B.P. - 100 | 4) B.P. - 170 |
| | 5) No. | 5) Staff - 29 | 5) Staff - | 5) Staff - 16 |
| (b) Upto the end of the year | 1) Hec. | 1) Reg - | 1) Reg - | 1) Reg - |
| | | (a) C- 6785 | (a) C- 1093 | (a) C- 1153 |
| | | (b) M- 940 | | |
| | 2) No. | 2) Building - 109 | 2) Building - 2 | 2) Building - 16 |
| | 3) Km. | 3) Road - 69 | 3) Road - 2 | 3) Road - 13.5 |
| | 4) No. | 4) B.P. - 1350 | 4) B.P. - 100 | 4) B.P. - 270 |
| | 5) No. | 5) Staff - 29 | 5) Staff - | 5) Staff - 16 |

6

7

8

9

10

1. Farm Forestry-cum-Fuelwood Plantation.

(a) During the year

-

-

-

-

-

(b) Upto the end of the Year

-

-

-

-

-

2. COMMUNICATION

(a) During the year

1)N- 33,57

1)N- 35

1)N- 35

1)N- 100

1)N- 199.17

2)E- 150.89

2)E- 100

2)E- 100

2)E- 200

2)E- 711.79

(b) Upto the end of the year

1)N- 1168.17

1)N- 1203.17

1)N- 1203.17

1)N- 1303.17

1)N- 5936.57

2)E- 4464.83

2)E- 4564.83

2)E- 4564.83

2)E- 4764.83

2)M- 22285.43

3. QUICK GROWING SPECIES:

(a) During the year

1)C- 1300

1)C- 1100

1)C- 1100

1)C- 1000

1)C- 4404

2)M- 2677

2)M- 2998

2)M- 2998

2)M- 3386

2)M- 23785

(b) Upto the end of the year

1)C- 8181.8181

2)E- 19281

1)C- 9281

1)C- 10281

1)C- 40725

2)M- 7401

2)M- 10399

2)M- 10399

2)M- 13785

2)M- 38594

4. ECONOMIC PLANTATIONS:

(i) Regeneration

1)C- 949

1)C- 878

1)C- 878

1)C- 837

1)C- 4096

(a) During the year

2)M- 1712

2)M- 2295

2)M- 2295

2)M- 1954

2)M- 8161

(b) Upto the end of year

1)C- 10244

1)C- 11122

1)C- 11122

1)C- 11959

1)C- 51037

2)M- 3912

2)M- 6207

2)M- 6207

2)M- 8161

2)M- 21361

H-18

| | 6 | | 7 | | 8 | | 9 | | 10 | |
|-----------------------------------|------|-------------|------|------|------|------|------|------|------|-------|
| <u>(ii) Plywood plantation</u> | | | | | | | | | | |
| (a) During the year | 1)C- | 151 | 1)C- | 154 | 1)C- | 154 | 1)C- | 140 | 1)C- | 657 |
| | 2)M- | 358 | 2)M- | 440 | 2)M- | 440 | 2)M- | 508 | 2)M- | 1812 |
| (b) Upto the end of the year | 1)C- | 1976 | 1)C- | 2130 | 1)C- | 2130 | 1)C- | 2270 | 1)C- | 9886 |
| | 2)M- | 864 | 2)M- | 1304 | 2)M- | 1304 | 2)M- | 1812 | 2)M- | 4705 |
| <u>(iii) Matchwood Plantation</u> | | | | | | | | | | |
| (a) During the year | 1)C- | 404 | 1)C- | 400 | 1)C- | 400 | 1)C- | 395 | 1)C- | 1886 |
| | 2)M- | 1216 | 2)M- | 1348 | 2)M- | 1348 | 2)M- | 1491 | 2)M- | 5958 |
| (b) Upto the end of the Year | 1)C- | 4690 | 1)C- | 5090 | 1)C- | 5090 | 1)C- | 5485 | 1)C- | 23437 |
| | 2)M- | 3119 | 2)M- | 4467 | 2)M- | 4467 | 2)M- | 5958 | 2)M- | 16254 |
| <u>(iv) Teak Plantation</u> | | | | | | | | | | |
| (a) During the year | 1)C- | 858 | 1)C- | 880 | 1)C- | 880 | 1)C- | 1020 | 1)C- | 3690 |
| | 2)M- | 1460 | 2)M- | 2166 | 2)M- | 2166 | 2)M- | 2758 | 2)M- | 8376 |
| (b) Upto the end of the year. | 1)C- | 3914 | 1)C- | 4794 | 1)C- | 4794 | 1)C- | 5814 | 1)C- | 20022 |
| | 2)M- | 3452 | 2)M- | 5618 | 2)M- | 5618 | 2)M- | 8376 | 2)M- | 20274 |
| <u>(v) Khoir Plantation</u> | | | | | | | | | | |
| (a) During the year | 1)C- | <u>4647</u> | 1)C- | | 1)C- | | 1)C- | | 1)C- | |

| | 6 | 7 | 8 | 9 | 10 |
|--|--------------|--------------|--------------|--------------|---------------|
| (b) Upto the end of the year | 1)C- | 1)C- | 1)C- | 1)C- | 1)C- |
| | 2)M- 2176 | 2)M- 2176 | 2)M- 2176 | 2)M- 2176 | 2)M- 10880 |
| <u>Total Economic Plantations</u> | | | | | |
| (a) During the year | 1)C- 2362 | 1)C- 2312 | 1)C- 2312 | 1)C- 2392 | 1)C- 10329 |
| | 2)M- 4786.47 | 2)M- 6289.47 | 2)M- 6289.47 | 2)M- 6751.47 | 2)M- 24347.47 |
| (b) Upto the end of the year | 1)C- 20824 | 1)C- 23136 | 1)C- 23136 | 1)C- 25528 | 1)C- 104382 |
| | 2)M- 13523 | 2)M- 19772 | 2)M- 19772 | 2)M- 26483 | 2)M- 73474 |
| <u>b. Rehabilitation of Degraded Forests</u> | | | | | |
| (a) During the year | 1)Reg | 1)Reg | 1)Reg | 1)Reg | 1)Reg |
| | (a)C- 160 | (a)C- 200 | (a)C- 200 | (a)C- 200 | (a)C- 620 |
| | (b)M- 60 | (b)M- 220 | (b)M- 220 | (b)M- 420 | (b)M- 700 |
| | 2)Buldg-9 | 2)Buldg-5 | 2)Buldg-5 | 2)Buldg-6 | 2)Buldg-36 |
| | 3)Road -2 | 3)Road- 1 | 3)Road- 1 | 3)Road -5 | 3)Road- 21.5 |
| | 4)B.P- | 4)B.P. | 4)B.P. | 4)B.P. 170 | 4)B.P. 440 |
| | 5)Staff - 16 | 5)Staff- 29 | 5)Staff - 29 | 5)Staff - 29 | 5)Staff -29 |

| | 6 | 7 | 8 | 9 | 10 |
|------------------------------|--------------|-------------|-------------|-------------|------------------|
| (b) Upto the end of the year | 1)Reg- | Reg- | Reg- | Reg- | Reg- |
| | (a)C- 1313 | (a)C- 1513 | (a)C- 1513 | (a)C- 1713 | (a)C-5785 |
| | (b)M- 60 | (b)M- 280 | (b)M- 280 | (b)M- 600 | (b)M-940 |
| | (2)Buldg- 25 | 2)Buldg- 30 | 2)Buldg.-30 | 2)Buldg-36 | 2)Buldg.1
109 |
| | 3)Road-15.5 | 3)Road-16.5 | 3)Road-16.5 | 3)Road-21.5 | 3)Road-69 |
| | 4)B.P. 270 | 4)B.P.270 | 4) B.P.270 | 4)B.P. 440 | 4)B.P.1350 |
| | 5)Staff-16 | 5)Staff-29 | 5)Staff-29 | 5)Staff-29 | 5)Staff-29 |

N.B. :- N_r-- New Road

E---Improvement of Existing Road.

C---Creation.

M_r--Maintenance

Reg--Regeneration

B.P_r--Boundary Piller

Buldg-Construction of Building.

1- II FISHERIES1 Review of Fisheries Development in the State
During 1969-73

The Fisheries Development programme under the Fourth Plan period was initiated with the Plan ceiling of Rs. 100.00 lakhs for the plains districts of the State. The Plan expenditure during the first three years came to Rs. 49.40 lakhs and the allocation for 1972-73 is Rs. 19.00 lakhs. Thus the plan expenditure on "Fisheries" would come to Rs. 68.40 lakhs by the end of 1972-73, leaving a balance of Rs. 31.60 lakhs for the last year of the Fourth Plan.

An increasing trend is noticeable in the production of spawn during the first three years of the Plan although recovery of fry and fingerlings against the same appears to be decreasing. Steps are, however, being taken to arrest high percentage of mortality. Collection of riverine spawn with improved technique in Collaboration with the Riverine Spawn prospecting Unit of the Indian Council of Agricultural Research, is showing better progress. But no appreciable progress could so far be made in breeding of exotic fish like Grass Carp, Silver carp, etc for lack of technical know-how. Steps are being taken however to train a few officers in this line. Full advantage of the ICAR units have been taken for (i) Riverine Spawn Investigation and collection technique, (ii) Culture of Air breathing fish and breeding technique and (iii) Exploratory mechanised fishing in the Brahmaputra river.

Progress in the development of Beel Fisheries in the State has been rather restricted due to lack of efficient machineries for desilting and dewatering work. As it is not practicable to complete the work of development of Beel Fisheries in the vast water bodies of the State with manual labour alone, phased programmes are necessary. As such, considering various problems of derelict tanks, beels, swamps, etc, it has been proposed to set up a separate autonomous/Con.2

body in the State in the form of a Fisheries Corporation so that this Corporation can tackle the problems more effectively.

Factual data about production and programmes has been given in Annexure - 1.

II Overall outlay, targets and strategy of development during 1973-74.

The main approach and strategy of Fisheries development for 1973-74 would be to increase the fish production in the State by overcoming the problems pointed out above and also by intensifying the existing production and training schemes.

It is also proposed to augment the State plan funds by raising an additional amount of Rs. 86.00 lakhs through institutional ~~schemes~~ ^{sources}, in respect of the following schemes:-

| <u>Name of the Scheme</u> | <u>Proposed Plan outlay for 1973-74</u> | <u>(Rs. in lakhs)
Amount proposed to be supplemented by institutional sources</u> |
|--|---|---|
| 1. Development of Beel Fisheries. | 9.00 | 50.00 |
| 2. Marketing and Transporting of Fish. | 0.80 | 10.00 |
| 3. Assistance to Fishermen Cooperatives. | 0.80 | 8.00 |
| 4. State Fisheries Corporation. | 1.00 | 10.00 |
| 5. Assistance to Pisciculturists | 1.00 | 8.00 |
| <u>Total</u> | <u>12.60</u> | <u>86.00</u> |

The information relating to major production targets, outlays, etc. has been shown in Annexure I & II and in the Statement VI .

III Programme of Fisheries Development in the Annual Plan 1973-74 including advance action for the Fifth Plan.

Assam is exclusively concerned with the Inland Fisheries. The programmes for 1973-74 will briefly be as follows:-

(A) Inland Fisheries

(1) Fish Seed Farming:- The aim of the scheme is to produce more quality fish seeds of major carps by induced breeding under local conditions. More fish seed production centres are proposed to be set up. River spawn collection centres and induced breeding centres are also proposed to be extended further in order to facilitate quick supply of spawn to the seed producing centres. It is proposed to increase the area under nurseries and rearing tanks from 76 hectares to 92.5 hectares, in order to achieve a target of 397 million fry and fingerlings. An outlay of Rs. 6.00 lakhs is proposed for the purpose including Rs. 0.50 lakhs for breeding and culture of exotic fish.

(2) Development of Beel Fisheries - Bulk of the fish in the State is produced from Beel fisheries. There are about 760 declared fisheries in Assam. In addition, there are nearly 200 beels in the acquired State area awaiting registration. These fisheries extend over about 60,000 hectares with a potential of annual production of 90,000 M/tonnes while the present production is hardly about 12,000 M/tonnes per annum.

It is envisaged that an additional area of 2000 hectares would be brought under this programme during 1973-74 with the target for production of 1300 M/tonnes fish. An allocation of Rs. 9.00 lakhs is proposed from the State plan. In addition, an amount of Rs. 50.00 lakhs is proposed to be made available from the Agricultural Refinance Corporation through Commercial Banks. A total amount of Rs. 20.00 lakhs may also be required as foreign exchange to implement this scheme during the year, out of which Rs. 6.00 lakhs is proposed to be debited against the State Plan.

(3) Assistance to Pisciculturists :- This is a continuing scheme for which a plan outlay of Rs. 1.00 lakh is proposed. Under this scheme, fish seeds will be supplied to the private pisciculturists at 50% subsidised rates. Subsidy against other permissible aspects will also be open for such pisciculturists who may secure loan from Institutional sources. It is accordingly proposed to make available an additional amount of Rs. 8.00 lakhs for the purpose from Commercial Banks.

(4) Development of Riverine Fisheries :- Work on experimental and exploratory fishing in the Brahmaputra river is proposed to be continued in collaboration with ICAR team stationed at Gauhati. An outlay of Rs. 1.00 lakh is proposed for this purpose.

(b) Marine Fisheries - There are no marine fisheries in the State.

(c) Marketing, Processing and Storage - This is a continuing scheme and aims at providing facilities for storage and transport of fish to the fish traders. It is proposed to transfer this scheme when the proposed State Fisheries Corporation is set up. A sum of Rs. 0.80 lakh is required during 1973-74.

(d) Education and Training - It is proposed to increase the training facilities from 20 boys to 40 boys a year in the Joysagar Training Centre of the State, in order to meet the additional requirement of field staff. A re-orientation of Departmental staff is also envisaged, in order to let them acquire the latest knowledge in the Fishery science. In addition, two training Institutes are proposed to be established with a capacity of 50 boys per year per Centre, for training in fish culture technique, in improved technique in fishing, semi-mechanised methods, net making, boat making etc. A total outlay of Rs. 1.75 lakhs is proposed for the purpose.

(c) (2) Fisheries Cooperatives - A sum of Rs. 1.00 lakh is proposed under this scheme in the State plan for 1973-74. In addition a sum of Rs. 8.00 lakhs is proposed to be made available as

Institutional finance from Commercial Banks.

(b) ^{Applied} Research- It is proposed to undertake research on local problems of fish culture besides experimental field work on new scientific findings of the Research Institutions under ICAR and other Institutes. A sum of Rs. 0.90 lakhs is proposed for 1973-74

(g) Other schemes - The following schemes are included under this head:-

(1) Applied Nutrition programme-The programmes taken up in selected Blocks will continue in a co-ordinated way. A provision of Rs. 2.25 lakhs is being made for the purpose during 1973-74.

(2) Fisheries Information service - The existing scheme will continue with the proposed outlay of Rs. 0.70 lakhs for 1973-74.

(3) Survey and Collection of Statistics- It is proposed to implement this scheme during 1973-74 under the following two categories :-

(1) Collection of statistics on fisheries with a proposed outlay of Rs. 0.50 lakhs.

(ii) Survey and demarcation of beels, swamps and tanks, with a proposed outlay of Rs. 0.80 lakhs.

(4) Supervision- This scheme aims at strengthening supervisory staff at Directorate, Zonal and district levels besides maintenance of existing staff. A sum of Rs. 1.25 lakhs is proposed for 1973-74.

(5) Facilities to ICAR for Breeding and culture of Air breathing fish,

(6) Facilities to ICAR for investigation on riverine carp spawn prospecting and collection technique

These are continuing schemes. A sum of Rs. 0.50 lakhs is proposed for 1973-74 for each of the schemes.

IV The following new schemes are proposed to be included in the Annual Plan for 1973-74 :-

(1) State Fisheries Corporation- In order to implement effectively the various fisheries development programmes including the schemes for Beel fisheries and for marketing and transporting of fish, it is proposed to set up a State Fisheries Corporation during 1973-74, for which a token provision of Rs. 1.00 lakhs is proposed in the State Plan. In addition, a sum of Rs. 10.00 lakhs is proposed to be made available from Institutional sources.

(2) Conservation and propagation fish in Natural fisheries -

The bulk of the State's fish supply comes from natural fisheries. Conservation Rules on fishery framed under the Assam Land Revenue Regulation have so far not been implemented effectively.

A provision of Rs. 0.75 lakhs is proposed for 1973-74 for the purpose. This new scheme will be taken as advance action for the Fifth Plan.

(3) Investigation and Culture of Frog and fresh water Snails for export promotion -

This scheme envisages utilisation of innumerable edible frogs and fresh water snails growing under natural conditions, for export purposes. There are foreign markets for these two species. A provision of Rs. 0.50 lakh is proposed for 1973-74, for the purpose of investigation and study. This is an advance action for the Fifth Plan.

(4) Aqua culture Industry It is proposed to take up this new scheme as a Pilot one in some of the Departmental tanks and beels, for which, a sum of Rs. 0.40 lakh is proposed for 1973-74.

(5) State Aquarium - An aquarium plays a great role in educating younger generation of aquatic lives besides having recreational value. It is, therefore, proposed to establish a medium-size aquarium at Gauhati. An outlay of Rs. 1.00 lakh is proposed in the Annual Plan-1973-74 for carrying out preliminary work besides training of one officer at Bambooy on management of breeding of aquarium fish. Schemewise financial outlays are given in Statement III.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|----------|
| 12. Supervision. | | 4.35 | - | - | 0.54 | 0.51 | 1.03 | 0.90 | 0.90 | 1.25 | 0.40 | - |
| 13. Facilities to ICAR for investigation and culture of air breathing fish. | | 1.80 | - | - | - | - | 0.50 | 0.40 | 0.40 | 0.50 | - | - |
| 14. Facilities to ICAR for investigation on riverine carp spawn prospecting and collection technique- | | 1.88 | - | - | - | 0.06 | 0.50 | 0.40 | 0.40 | 0.50 | - | - |
| <u>Proposed new schemes</u> | | | | | | | | | | | | |
| 15. State Fishery Corporation | | - | - | - | - | - | - | - | - | 1.00 | - | - |
| 16. Conservation and propogation of fish in natural fisheries.- | | - | - | - | - | - | - | - | - | 0.75 | - | - |
| 17. Investigation and culture of frog and fresh water snail for export promotion. | | - | - | - | - | - | - | - | - | 0.50 | - | - |
| 18. Aqua culture industry. | | - | - | - | - | - | - | - | - | 0.40 | - | - |
| 19. State aquarium. | | - | - | - | - | - | - | - | - | 1.00 | - | - |
| Total | | 100.00 | 35.00 | 10.47 | 14.21 | 25.72 | 19.00 | 19.00 | 31.60 | 14.90 | 6.00 | - |

PROPOSALS FOR ADVANCE ACTION FOR THE FIFTH PLAN.

1. Head of Development -FISHERIES.
2. Project/Scheme -Breeding and culture of quick growing exotic fish.
3. Executing agency -Development of Fisheries, Assam
-State Deptt. officers are to be trained at Cuttack under CIFRI and supply of 5000 fingerlings of each species.
4. Scope, location and justification. -Exotic fish mainly Grass carp and Silver carp already introduced but due to lack of technical know-how breeding of these species have not been successful. It is proposed to take up operation at Gauhati and Joysagar after the officers are trained at Cuttack.

Initially, it will be taken up in two centres by next year followed by two more centres in each year. Four officers, proposed to be trained in two phases during first two years.
5. Yearly phasing of physical programme.

Yearly production of fish seed of exotic fish of these two species proposed initially at one lakh fingerlings in first year of the Plan with ultimate target of 20 lakhs by the end of the fifth Plan.
6. Yearly phasing of out-put benefits.
7. Estimated cost of foreign exchange expr. with likely yearly phasing. Nil.
8. Precise statement of advanced action required during 1973-74 with explanation. Two officers are to be trained at CIFRI at Cuttack as early as possible, so that they can, on return, take up breeding work earliest next year.

(2) 10000 fingerlings of each species are to be supplied as early as possible for raising breeders for all district farms.

(3) Separate nurseries and breeding tanks covering 2½ hectares to each centre proposed to be completed by 1973-74 in four centres.

9. Financial provision needed in 1973-74 including foreign exchange commitment and payment.

Estimated expenditure involved on this as mentioned above is likely to be Rs. 1.50 lakh. But depending on plan allocation only Rs. 0.50 lakh is provided specially on this under the scheme 'Fish Seed Farming'. No foreign Exchange is required.

10. Remarks.

Proposal for advance action for Fifth Plan.

1. Head of development FISHERIES.
2. Project/Schemes Development of bee-1 fisheries.
3. Executing agency Department of Fisheries but will be transferred to State Fisheries Corpn. or Beel Fisheries Dev. Authority when formed.
4. Scope location and justification. Problem on this particular scheme has already been thoroughly examined by the Expert Committee of Govt. of India and broad outline of scheme with recommendation has been sent to State Govt. This is being implemented as early as possible.
5. Yearly phasing of Physical programme. The scheme is envisaged at present with 50,000 acres proposed to be developed within a period of 10 years. Further area of nearly 80,000 acres will be taken up subsequently, the phasing of which will be determined depending on the result of first programme.
6. Yearly phasing of output benefit. In the initial programme, output in terms of production of fish estimated at 70,000 tonnes phasing 7,000 tonnes in first year.
7. Estimated cost and foreign exchange expenditure with yearly phasing.
 - 1) Expenditure involved ^{is} estimated at Rs. 29.00 crores.
 - 2) Foreign exchange in procuring equipments and machineries ^{is} estimated at Rs. 1.50 crores with the provision of Rs. 20.00 lakhs during 1973-74. ⁱⁿ Subsequent 3 years, estimated ^{at} Rs. 40.00 lakh per year.
8. Precise statement of advance action required during 1973-74 with ~~expenditure~~ explanation.
 - 1) Procuring of equipment and machineries after determining types of machineries suitable for desilting, dewatering, excavation etc. besides foreign exchange of Rs. 20.00 lakhs
 - 2) Preliminary steps on analysis of soil samples with reference to mechanical analysis, Atterberg limit, cohesion 'c' value, density in site through Central Water and Power Research Station, Poona, ~~will have to~~ be taken.

9. Financial provision needed in 1973-74 including foreign exchange commitment and payment.

Estimated expenditure involved on this as mentioned above is likely to be Rs. 1.50 lakh. But depending on plan allocation only Rs. 0.50 lakh is provided specially on this under the scheme 'Fish Seed Farming'. No foreign Exchange *is required.*

10. ^uRemarks.
_e

Proposal for advance action for Fifth Plan.

1. Head of development FISHERIES.
2. Project/Schemes Development of bee-1 fisheries.
3. Executing agency Department of Fisheries but will be transferred to State Fisheries Corpn. or Beel Fisheries Dev. Authority when formed.
4. Scope location and justification. Problem on this particular scheme has already been thoroughly examined by the Expert Committee of Govt. of India and broad outline of scheme with recommendation has been sent to State Govt. This is being implemented as early as possible.
5. Yearly phasing of Physical programme. The scheme is envisaged at present with 50,000 acres proposed to be developed within a period of 10 years. Further area of nearly 80,000 acres will be taken up subsequently, the phasing of which will be determined depending on the result of first programme.
6. Yearly phasing of output benefit. In the initial programme, output in terms of production of fish estimated at 70,000 tonnes phasing 7,000 tonnes in first year.
7. Estimated cost and foreign exchange expenditure with yearly phasing. 1) Expenditure involved estimated at Rs. 29.00 crores.
2) Foreign exchange in procuring equipments and machineries estimated at Rs. 1.50 crores with the provision of Rs. 20.00 lakhs during 1973-74. Subsequent 3 years, estimated at Rs. 40.00 lakh per year.
8. Precise statement of advance action required during 1973-74 with ~~explanation~~ explanation. 1) Procuring of equipment and machineries after determining types of machineries suitable for desilting, dewatering, excavation etc. besides foreign exchange of Rs. 20.00 lakhs
2) Preliminary steps on analysis of soil samples with reference to mechanical analysis, Atterberg limit, cohesion 'c' value, density in site through Central Water and Power Research Station, Poona, will have to be taken.

- 3) Preparation for comprehensive project report on 50,000 acres area based on recommendation of appropriate authority to secure finance from World Bank through ARC, *is to be made.*
- 4) Strengthening of implementing organisation with suitable engineering personnel to start with work over 2500 hectares after drawing up detailed project report, *is to be done.*

9. Financial provision needed in 1973-74 including foreign exchange commitment and payment.

A provision of a sum of Rs. 9.00 lakhs is made under the plan scheme to be financed from Govt., while Rs. 50.00 lakhs is proposed to be obtained from Institutional source against this Scheme.

2. For organisational set up Rs. 1.00 lakhs proposed from Govt. and Rs. 10.00 lakhs proposed from Institutional source under the scheme ~~under the scheme~~ 'State Fisheries Corporation' who will ultimately be agency for implementation, the total provision for the year 1973-74, thus comes to Rs. 70.00 lakhs.

10. Remarks

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PROPOSAL FOR ADVANCE ACTION FOR FIFTH PLAN

Statement VII(c)
ASSAM

1. Head of development -FISHERIES.
2. Project/Scheme - Training of personnel in Fisheries Science and gear technique.
3. Executing agency - Department of Fisheries.
4. scope location and justification. - Already explained in the Scheme 'Training of personnel in Fisheries'.
5. Yearly phasing of physical programme - It is proposed to train personnel in different categories as below:-
 - (a) Training of personnel in Fisheries for departmental Staff (new)-40 nos. for the year.
 - (b) Reorientation of training of departmental Staff-10 nos. per year.
 - (c) Training of fish farmers and fishermen boys in fish farming and gear technique.-respectibely-100 nos. per year.
6. Yearly phasing of output benefit. - as indicated at item 5-
7. Estimated cost of foreign exchange ect. - Nil.
8. Precise statement of advance action required during 1973-74. In addition to expansion of existing training centre at Joysagar for accommodation of 40 boys two training centres on regional basis to be established and works need to be taken up immediately during 1972-73 so that it can be completed by early 1973-74 enabling to start training with effect from July, 1973.
 2. Recruitment of technical personnel for imparting training in different subjects.
9. Financial provision Provision of 1.75 lakh under this scheme provided for 1973-74, as against about Rs. 3.00 lakhs required for building component and equipments.
10. Remarks. -

PROPOSAL FOR ADVANCE ACTION FOR THE FIFTH PLAN

1. Head of development FISHERRIES.
2. Project/Schemes
 1) Collection of statistical data, strengthening of statistical wings.
 2) Survey and demarcation of boundaries of fisheries-beels, swamps, derelict tanks etc.
3. Executing agency Department of Fisheries-in collaboration with Revenue Deptt.
4. Scope, location and justification Fully explained in the appropriate scheme.
5. Yearly phasing of physical programme While the scheme (1) will be continuous process, the scheme (2) will be taken up on phase basis given priority to fisheries selected for development but work will be carried out on district basis. It is proposed to complete survey and demarcation of boundaries within a period of 5 years.
6. Yearly phasing of output benefit. It depends as explained at 5 above.
7. Estimated cost of foreign exchange with likely yearly phasing. Rs. 1.50 lakh, during 1973-74.
8. Precise statement of advance action required during 1973-74 with explanation.
 1) Statistical wing of the deptt. needs to be strengthened with following additional staff.
 a) Each district should have one Inspector one computer and two field staff.
 b) Status and pay of Statistical officer attached to the Directorate should be at par with Statistical Deptt.
 c) Statistical officer should be trained in Fisheries Statistics in a suitable institute.
 2) (a) Special Engineering staff in the Deptt. for survey of all Fisheries needs to be appointed from the current year.
 (b) District Revenue branch should depute a batch of staff to help the Department for Joint survey and drawing up fishery maps for all fisheries. Contd.

c) Engineering staff need to be provided with Digger,cum-Dumper enabling to raise counter bundh along the boundaries of the fisheries immediately after redemarcation.

9. Financial provision

Provision of Rs. 1.30 lakhs had been proposed depending on plan allocation but actual requirement will be in the order of 3.00 lakhs including the cost of equipments, machinaries besides cost of staff. Foreign Exchange of Rs. 1.50 lakh is required to obtain two Digger,cum-Dumper machine.

10. Remarks.

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J-17

Statement VII(c)
Assam.

PROPOSAL FOR ADVANCE ACTION FOR THE FIFTH PLAN.

1. Head of Development - FISHERIES.
2. Project/Scheme - Investigation on Frog culture and fresh water Snail for export promotion.
3. Executing Agency - Department of Fisheries.
4. Scope, location & Justification - Explained in main scheme.
5. Yearly phasing of physical Programme - Depending on resources, it is proposed to establish two Frog farms during the Plan period.
2) Investigation will be carried out on natural resources of Snails and study on possibility of culture.

No yearly phasing is possible at this stage.
6. Yearly phasing of out-put benefit: This can not be predicated as explained above.
7. Estimated cost of foreign exchange expenditure with likely yearly phasing. - It does not involve foreign exchange but help in earning foreign exchange which depends on potentiality.
8. Precise statement of advanced action required during 73-74 with explanation. - 1) Services of Frog culture expert to be deputed to assist the State Deptt. to assess the resources and draw up project report.
2) Two officers need to be trained.

3) A training course for atleast 12 departmental staff needs to be started for location and collection of frogs from natural sources to effect export promotion.
4) One Officer is to be sent to appropriate Institute to study on Fresh water Snail so that he can undertake detail Survey after return and draw up project report.
9. Financial provision needed in 1973-74 including foreign exchange commitment and payment - A provision of Rs. 0.50 lakh has been made for the year to start with.
10. Remarks.

Physical targets and achievements

State-Assam (General)

| Sl. No. | Item | Unit | Fourth Plan Target | Achievements | | | 1972-73 | | 1973-74 target |
|---------|------|------|--------------------|--------------|-------|-------|---------|--------------------|----------------|
| | | | | 69-70 | 70-71 | 71-72 | Target | Achievement (anti) | |

| | | | | | | | | | |
|--------------------------|--|----------|------|------|-------|-------|------|------|------|
| 1. | Physical programme of spawn. | Million. | 397 | 77.2 | 92.40 | 90.50 | 299 | 299 | 397 |
| 2. | Production of fry | " | | | 5.3 | | | | |
| 3. | Production of fingerlings. | " | 63 | 4.0 | 5.3 | 6.0 | 46 | 46 | 63 |
| 4. | Nursery area | Hectares | | | | | | | |
| 5. | Rearing area | " | 92.5 | 19.0 | 24.3 | 40.0 | 76 | 76 | 92.5 |
| 6. | Development of Reservoir area | " | - | - | - | - | - | - | - |
| 7. | Reclamation of ponds, derelict tanks, beels. | " | 4177 | 665 | 1145 | 1545 | 2177 | 2177 | 4177 |
| 8. | Brackish water fish farming area. | " | - | - | - | - | - | - | - |
| 9. | Mechanised boats complete. | Number | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 10. | Marine Engines only. | " | - | - | - | - | - | - | 2 |
| 11. | Outboard motors | " | - | - | - | - | - | - | 4 |
| 12. | Hulls only. | " | - | - | - | - | - | - | 2 |
| 13. | Trawlers procured | " | - | - | - | - | - | - | - |
| 14. | Fishing harbours minor | " | - | - | - | - | - | - | - |
| 15. Refrigeration | | | | | | | | | |
| (i) | Ice factories | " | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| (ii) | Ice capacity | Tonnes | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| (iii) | Cold storage | number | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| (iv) | Cold storage Capacity | Tonnes | 3 | 3 | 3 | 3 | 3 | 3 | 6 |

J-18-19

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--|------------|-------|-------|-------|-------|-------|-------|-------|------|------|
| (v) Freezing plants number - | - | - | - | - | - | - | - | - | - | - |
| 16. Marketing of fish through coop. | | | | | | | | | | |
| (a) Quarterly | Tonnes | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| (b) Value | Lakhs | 250 | 200 | 200 | 250 | 250 | 250 | 250 | 2500 | |
| 17. Loans & advance to fishermen coop. | | | | | - | - | - | - | - | 8 |
| 18. Houses for fishermen number- | | | | | - | - | - | - | - | - |
| 19. Fish production. | | | | | | | | | | |
| (a) Inland | 000 tonnes | 35.00 | 25.00 | 27.00 | 29.00 | 31.00 | 31.00 | 35.00 | | |
| (b) Marine | " | " | 2 | - | - | - | - | - | | |
| Total:- | | 25.00 | 25.00 | 27.90 | 29.00 | 31.00 | 31.00 | 35.00 | | |

Annual plan 1973-74 - Fisheries.
Programme-wise financial outlays

Annexure-III
State Assam (General)

| S.D. | Programme. | Fourth Plan outlay | Actual expenditure | | | 1972-73 | | 1973-74 | |
|-----------------|------------------------------------|--------------------|--------------------|-------|-------|-----------------|-------------------|---------------------------|---------|
| | | | 69-70 | 70-72 | 71-72 | Approved outlay | Anticipated expr. | proposed outlay.
Total | Capital |
| | Inland Fisheries. | 63.99 | 2.13 | 10.40 | 17.06 | 12.40 | 12.40 | 17.00 | 11.30 |
| | Marine Fisheries. | - | - | - | - | - | - | - | - |
| | Marketing, processing and storage. | 2.31 | 0.57 | 0.19 | 0.25 | 0.50 | 0.50 | 0.80 | 0.30 |
| | Education and Training. | 3.95 | 0.47 | 0.33 | 0.80 | 0.60 | 0.60 | 1.75 | 0.75 |
| | Fisheries Cooperatives | 5.05 | - | 1.25 | 2.00 | 0.80 | 0.80 | 1.00 | - |
| | Research. | 2.20 | 0.39 | 0.10 | 0.21 | 0.60 | 0.60 | 0.90 | 0.60 |
| | Other Schemes | 22.50 | 1.91 | 1.94 | 4.40 | 4.10 | 4.10 | 10.15 | 1.95 |
| Total fisheries | | 100.00 | 10.47 | 14.21 | 24.72 | 19.00 | 19.00 | 13.60
31.60 | 14.90 |

K-1.

STATE -ASSAM DRAFT ANNUAL PLAN - 1973-74.

I-12 WARE-HOUSING & STORAGE:

The Assam State Warehousing Corporation was set up during the Second Plan period. The authorised share capital of the Corporation is Rs.2.00 crores, against which the subscribed capital stands at Rs.69.50 lakhs on October, 1972, the State Govt.'s share being Rs.34.75 lakhs.

2. At the close of the year 1968-69, the Corporation had 9 (nine) constructed Warehouses with a total storage capacity of 13,030 M/Tonnes. During 1969-70, the construction works of two Warehouses at Raha and Howraghat were taken up and these were completed in 1971-72. The total storage capacity of these two Centres is 4000 M/Tonnes.

3. In 1971-72, the construction of a Warehouse at Gauhati with a storage capacity of 4,500 M/Tonnes was started. It was to be completed by the middle of 1972-73. This unit has now been taken over by the State Govt. for housing some of the offices to be shifted to Gauhati.

4. In addition, the construction works on two other warehouses at North Lakhimpur and Nowgong of the total storage capacity of 8,500 M/Tonnes (400⁰+4500) are being taken up and are expected to be completed during 1972-73. The construction of another Warehouse ^{at} Langhing with storage capacity of 1500 M/Tonnes is also being taken up during this year.

5. The total storage capacity in the constructed Warehouses in ^{ten} centres (excepting Gauhati Centre) under the State Corporation is 17,030 M/Tonnes as on 31-3-1972.

6. During 1973-74, it is contemplated to construct three additional Warehouses at Titabar, Sarupathar and Tezpur at a total estimated cost of Rs.13.21 lakhs. The total storage capacity of these three units will be 8,500 M/Tonnes. It is, therefore, proposed to allocate Rs.7.25 lakhs for this purpose during 1973-74.

K-2.

This amount will be paid to the State Warehousing Corporation by way of Share capital contribution of the State Government.

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II- 1. COOPERATION

I. Co-operative movement with liberal state-aid has advanced into diverse fields of economic activities bringing within its fold 25 percent of the population represented by a membership of 6.89 lakhs. The Co-operative structure continues to be main form of institutional agency catering to the farmers' needs related to production, marketing, supplies and distribution. There has been numerical growth, although due to internal weakness and short-comings, the pace of qualitative growth is yet to gather momentum.

As credit societies constitute the largest group of co-operatives, their growth and development as viable units will continue to influence the future movement. The crucial problem therefore, is how to make the agricultural primary credit societies into economic units and agencies which can create the pre-requisite condition for responding readily and adequately to the needs of the farmers.

When small and marginal farmers constitute a high percentage of the agricultural population and, for one or more reasons, are yet to take to improved methods of farming, it is no wonder that the credit movement has not yet been able to make a major break-through. Moreover, the recurrence of flood being an annual feature, the magnitude of the problems of rural credit is vast.

Notwithstanding all factors that inhibit the qualitative growth of the movement, there has been progress, more or less, in all spheres.

Reorganisation of credit structure undertaken in the latter half of the last decade with a view to putting the structure on the ground and going through a phased programme of re-organisation, has belied the expectation. Primary Credit societies, retained as potentially viable units have, by and large, failed to come up to the level of expectations, implementing the prescribed five years work-programme spelt in 1966. The cumulative effect of all these is that there has been substantial shortfall in achievements in relation to targets. The discouraging results are mainly attributable managerial and organisational inadequacies.

The factual data about achievements made under various co-operative programmes is given in Annexure I and also in Statement VI.

II. In order to make the co-operative structure equal to the role it is expected to play and for ensuring that agricultural credit keeps pace with the expanded programme of agricultural production, the factors responsible for the slow rate of growth of credit and marketing structures are proposed to be tackled effectively so as to assure adequate flow of rural credit by stepping up the operations of the co-operatives.

To realise the above objective, the strategy shall be mainly as follows:-

- i) Linking of credit with marketing
- ii) Strengthening of Central Banks, Primary Credit Societies and marketing societies and removing the weaknesses relating to organisation, operation and finance.
- iii) Recovery of overdues
- iv) Toning up of managerial efficiency at all levels of the Co-operative structure.

Against the total Fourth Plan ceiling of Rs. 344.00 lakhs, the expenditure of the first three years of the plan is Rs. 154.19 lakhs. The approved outlay for 1972-73 is Rs. 68.00 lakhs. It is anticipated that this entire amount would be spent during the year. The proposed outlay for the Annual Plan 1973-74 is Rs. 121.81 lakhs. The financial outlays in respect of Co-operative programmes are indicated in Annexure II and Statement III.

III. The programme-wise description of the schemes with financial outlays, is indicated below:-

(a) Co-operative Agricultural Credit - Agricultural primary credit societies cover 80 per cent of villages of the State till 1970-71 as against the Fourth Plan target of 95 percent. With a view to infusing life into the credit movement, revitalisation of primary credit societies is to be continued with the object of making each society viable. As a trial, 200 primary credit societies on selective basis are proposed to be provided with managerial subsidy to the extent of the ~~of the~~ expenditure incurred in order to enable the societies to maintain qualified secretaries. Considerable assistance in the shape of share capital will also be involved in strengthening the share capital base of these societies.

Substantial assistance in the form of grant for bad debts is proposed with a view to strengthening the bad debt reserves. According to the estimate made by Reserve Bank of India, bad and doubtful debts stood at Rs. 165 lakhs. Owing to their inherent weakness, central banks are unable to attract deposits unless they are given considerable financial assistance by Government in the shape of share capital contribution.

In the sphere of long term finance, the Assam Co-operative Central Land Mortgage Bank floated ordinary debentures to the extent of Rs.20.00 lakhs till 1971-72 and Rs.9.50 lakhs in the first quarter of 1972-73 against the target of Rs.25.00 lakhs for the year. During 1973-74, floatation of ordinary debenture to the extent of Rs.25.00 lakhs is envisaged.

A total outlay of Rs.54.60 lakhs is proposed for 1973-74 under ^{agricultural} "Agricultural credit".

(b) Co-operative Marketing- Emphasis will be given on the consolidation of the marketing structure as well as on diversification of business. The Primary marketing societies have been advised to undertake a drive to raise the membership by enrolling 1000 grower members each and thus to augment the share capital. Average share capital per society stood at Rs.9300/- in 1970-71 as against Rs. 8700/- in 1969-70. The average working capital per society was Rs. 1.88 lakhs ^{in 1970-71} against Rs.1.40 lakhs in 1969-70.

Steps are being taken to revitalise the Apex marketing society. It is also proposed to give financial assistance to the marketing societies in the form of (i) additional share capital contribution (ii) managerial subsidy and (iii) loan for purchase of vehicles, in order to enable them to improve their working.

An outlay of Rs. 18.61 lakhs is proposed for 1973-74.

(c) Co-operative processing other than Sugar factories

Six processing Rice Mills are proposed to be modernised under a Central Sector Scheme during 1973-74. Majority of the rice mills are yet to operate at their

installed capacity on account of insufficient supply of paddy and/or lack of right type of personnel to manage the affairs of the mills. Appointment of key personnel by Govt. as a preliminary step towards improvement of this state of affairs, is envisaged. Remedial measures will also be taken to maximise the operational efficiency of the existing processing units.

A sum of Rs.10.91 lakhs is proposed for the purpose during 1973-74 including the expenditure for initiating preliminary action for setting up of a new Jute Mill during the Fifth Plan.

(d) Co-operative Sugar Factories

An outlay of Rs.10.00 lakhs is proposed in the Annual Plan 1973-74 for modernisation of the existing Sugar Mill.

(e) Co-operative Storage:- The storage capacity of completed godown is 33,000 Metric tonnes. Against the Fourth Plan target of 28 marketing godowns and 32 rural godowns financial assistance has been provided to 18, till 1971-72. During 1972-73, 5 marketing godowns and 4 rural godowns are proposed to be added to the said number. Financial assistance for construction of additional 5 marketing and 10 rural godowns is proposed to be given in the Annual Plan for 1973-74.

Additional storage capacity by constructing 6 big size godowns under the Central Sector scheme is also envisaged.

An outlay of Rs.18.61 lakhs is proposed for the purpose during 1973-74.

(f) Consumer's Co-operatives-Consumers' co-operatives, by and large, have diversified the range of their business and secured a place in the retail market. The link between wholesale stores and primary stores could not, however, be established as yet on a sound footing. Emphasis will be laid on the programme of consolidation and strengthening of these institutions. Primary stores would also be developed on a selective basis under a phased programme.

A total provision of Rs. 6.47 lakhs is proposed for 1973-74 both for Urban and rural consumers' co-operatives.

(g) Co-operative Farming:- There are at present 486 farming co-operatives with 22,140 members and covering 48374 acres of land. Of them, 212 societies have been provided with financial assistance. During 1973-74, 40 farming societies are proposed to be financially assisted.

An outlay of Rs. 3.55 lakhs ~~for~~^{is} proposed for the purpose during 1973-74.

(h) Co-operative Training and Education- To meet the needs of societies in various fields of activities, the programme of co-operative training and education has been re-oriented. Steps are also being taken to make a beginning for co-operative case studies research work.

Education of the members of the State Co-operative Union, is being imparted by the Union. 10,000 personnel of Co-operative institutions are proposed to receive training in various courses during 1973-74.

A sum of Rs. 6.40 lakhs ~~for~~^{is} proposed for the purpose for 1973-74.

(i) Additional Departmental Staff- Despite the opportunities created and liberal financial assistance provided, the progress of the co-operative movement has not been appreciable. In the context of overall substantial shortfall in targets, special efforts are needed to take remedial measures after assessment and evaluation so that action may be initiated to overcome the problems and create necessary conditions for ensuring growth during the Fifth Plan.

An outlay of Rs. 7.50 lakhs is proposed for the purpose in the Annual Plan 1973-74.

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DRAFT ANNUAL PLAN 1973-74
SCHEME-WISE OUTLAYS AND EXPENDITURE

STATEMENT III
STATE-ASSAM

| Sl. No. | Head/Sub-head/Scheme | (Rs. in lakhs) | | | | | | | | | | | |
|---------|---------------------------------------|------------------------------|---------------|---------------------------|--------------------|--------------|--------------|---------------------------|-------------------------------|---------------------------|--------------|---------------------|--|
| | | Fourth plan outlay (1969-74) | | | Actual expenditure | | | 1972-73 | | 1973-74 (proposed outlay) | | | |
| | | Total | Capital | Fore-
inghex
change | 1969-70 | 1970-71 | 1971-72 | Appro-
ved out-
lay | Antici-
pated-
expendr. | Total | Capital | Foreign
Exchange | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| | <u>II-1 COOPERATION</u> | | | | | | | | | | | | |
| 1) | Agricultural Credit | 141.74 | 59.49 | - | 5.89 | 25.86 | 29.55 | 25.69 | 25.69 | 54.60 | 11.00 | - | |
| 2) | Marketing | 30.65 | 15.58 | - | 3.51 | 6.03 | 10.42 | 10.85 | 10.85 | 18.61 | 17.89 | - | |
| 3) | Processing other than sugar factories | 59.00 | 59.00 | - | 1.75 | 15.53 | 11.50 | 9.00 | 9.00 | 10.91 | 10.00 | - | |
| 4) | Sugar factories | 16.00 | 16.00 | - | - | 2.04 | 2.00 | 1.00 | 1.00 | 10.00 | 10.00 | - | |
| 5) | Cooperative Farming | 11.00 | 11.00 | - | 0.25 | 1.20 | 1.00 | 3.50 | 3.50 | 3.94 | 3.55 | - | |
| 6) | Consumers Cooperatives | | | | | | | | | | | | |
| | a) Urban | 26.00 | 16.21 | - | 1.18 | 4.20 | 3.71 | 6.22 | 6.22 | 5.70 | 4.785 | - | |
| | b) Rural | | | - | 1.16 | 0.95 | 0.36 | 0.76 | 0.76 | 0.77 | 0.70 | - | |
| 7) | Cooperative Storage | 16.00 | 12.00 | - | 1.50 | 3.96 | 2.10 | 1.98 | 1.98 | 2.70 | 2.025 | - | |
| 8) | Administration (Deptt) | 15.28 | - | - | 1.14 | 2.00 | 2.30 | 3.50 | 3.50 | 7.50 | - | - | |
| 9) | Training & Education | 19.96 | - | - | 4.44 | 2.87 | 3.50 | 4.25 | 4.25 | 6.40 | - | - | |
| 10) | Others | 3.37 | 1.75 | - | 0.27 | 0.32 | 1.70 | 1.25 | 1.25 | 0.68 | 0.50 | - | |
| | Total: | 344.00 | 191.03 | - | 21.09 | 64.96 | 68.14 | 68.00 | 68.00 | 121.81 | 60.45 | - | |

DRAFT ANNUAL PLAN 1973-74
CENTRALLY SPONSORED SCHEMES
SCHEMEWISE OUTLAY AND EXPENDITURE

STATEMENT IX-A.
State - Assam.

| Sl. No. | Name of the Scheme | Fourth five Year Plan outlay 1969-74 | Actual Expenditure 1972-73 | | | | (Rs. in lakhs) | | |
|---------|--------------------|--------------------------------------|----------------------------|---------|---------|--------------------|----------------|----------------------------|----|
| | | | 1969-70 | 1970-71 | 1971-72 | Outlay anticipated | Total Outlay | 1973-74 (proposed) Capital | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

COOPERATION

Agricultural Credit Stabilisation Fund

| | | | | | | | |
|-------|---|------|-------|-------|-------|-------|------|
| 50.00 | - | 3.00 | 15.00 | 20.00 | 20.00 | 12.00 | 3.00 |
|-------|---|------|-------|-------|-------|-------|------|

Central Sector Schemes

Statement-X

| | | | | | | | |
|---|---|---|---|---|---|-------|-------|
| 1) Modernisation of Rice Mills | - | - | - | - | - | 5.00 | 5.00 |
| 2) Storage | - | - | - | - | - | 5.00 | 5.00 |
| 3) Solvent Extraction Plant | - | - | - | - | - | 15.00 | 15.00 |
| 4) Margin money for Processing units. | - | - | - | - | - | 5.00 | 5.00 |
| 5) Loans from Reserve Bank of India (Long term operation fund.) | - | - | - | - | - | 50.00 | 50.00 |
| Total :- | | | | | | 92.00 | 92.00 |

ANNUAL PLAN 1973-74 - COOPERATION (ANNEXURE I)
PHYSICAL TARGETS AND ACHIEVEMENTS

L 10

| Sl No. | Item | Unit | Achievement | | | | 72-73 | 73- | |
|--------|---|-----------|-------------|-------|-------|-------|-------------|------------|------|
| | | | 68-69 | 69-70 | 70-71 | 71-72 | Target | Ach. prop. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1. | Number of Primary Agrl Credit Societies at the end of the year. | No. | 3642 | 2800 | 2800 | 2800 | 2800 | 2800 | 2800 |
| 2. | Number of Primary Agrl Credit Societies revitalised by amalgamation/reorgn. | No. | 111 | 270 | 150 | 70 | 50 | 50 | 160 |
| 3. | Membership of Primary Agrl. credit societies at the end of the year. | thousands | 381 | 2 | 5 | NA | 25 | 25 | 30 |
| 4. | Coverage of Agrl families at the end of the year. | % | 27.80 | 27.80 | 27.84 | NA | 30 | 30 | 32 |
| 5. | Loan advanced during the year. | Rs | | | | | | | |
| (1) | Short term | Million | 28.25 | 17.4 | 20.5 | 10.0 | 19.5 | 19.5 | 20.5 |
| (2) | Medium-term | " | 0.4 | 0.2 | 0.2 | 0.1 | 0.5 | 0.5 | 0.6 |
| 6. | Long-term loan advanced during the year | " | 0.5 | 0.10 | 0.12 | 0.5 | 2.0 | 2.0 | 2.5 |
| 7. | Debtenture issued by Land Dev. Banks during the year. | | | | | | | | |
| (a) | Ordinary | | Nil | 0.10 | 0.10 | 0.10 | 0.25 | 0.25 | 0.3 |
| (b) | Special Rural | | - | - | - | - | - | - | - |
| 8. | Agricultural Produce marketed by Coop: during the year | " | 23.6 | 17.2 | 16.8 | 17.0 | 17.5 | 17.5 | 18.0 |
| 9. | Coop: Processing Units | | | | | | | | |
| i) | Assisted | | | | | | | | |
| (a) | during the year | No. | - | 1 | 2 | 3 | - | - | - |
| (b) | Unto the end of the year | | 37 | 38 | 40 | 43 | to continue | | |
| ii) | Installed | | | | | | | | |
| (a) | during the year | No. | - | 2 | 4 | 2 | 4 | 4 | - |
| (a) | Upto the end of the year | | 31 | 33 | 37 | 39 | 43 | 43 | - |
| 10. | Fertilisers retailed by Coop: during the year | | | | | | | | |
| i) | Quantity in terms of raw Material (M.T.) | | - | - | - | - | - | - | - |
| ii) | Value | | - | - | - | - | - | - | - |
| iii) | No. of Coop:/retail fertilisers depot at the end of the year | | - | - | - | - | - | - | - |

L-11

Annexure - I

| Item | Unit | Achievement | | | | 1972-73 | | 1973-74 | |
|--|-------------------|-------------|-------|-------|-------|---------|--------------|-----------|----|
| | | 68-69 | 69-70 | 70-71 | 71-72 | Target. | Achievement. | Proposed. | |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| No. of Marketing Godowns | | - | | | | | | | |
| Assisted. | | | | | | | | | |
| during the year | No. | - | 5 | 10 | 3 | 5 | 5 | 5 | |
| Upto the end of the year | | 446 | 151 | 161 | 164 | 169 | 169 | 174 | |
| Constructed | | | | | | | | | |
| during the year | | 10 | 9 | - | 5 | 10 | 10 | 10 | |
| Upto the end of the year | | 140 | 149 | 149 | 154 | 164 | 164 | 174 | |
| Capacity of marketing godowns constructed (tonnes) | | | | | | | | | |
| during the year | | 2 | 2 | - | 1 | 2 | 2 | 2 | |
| Upto the end of the yr. | | 27 | 29 | 29 | 30 | 32 | 32 | 34 | |
| No. of Rural godowns constructed. | No | | | | | | | | |
| Assisted. | | | | | | | | | |
| during the year | | - | - | 8 | 10 | 4 | 4 | 10 | |
| Upto the end of the yr. | | 267 | 267 | 275 | 285 | 289 | 289 | 299 | |
| Constructed. | | | | | | | | | |
| during the year | | 14 | 8 | 1 | 14 | 40 | 40 | 24 | |
| Upto the end of the yr. | | 198 | 206 | 207 | 221 | 261 | 261 | 285 | |
| Capacity of rural godowns constructed. | (thousand tonnes) | | | | | | | | |
| during the year | | - | - | - | - | 2 | 2 | 1 | |
| Upto the end of the yr. | | 6 | 7 | 7 | 8 | 10 | 10 | 11 | |
| Distribution of Consumer articles in rural areas. (Rs. Million). | | 16.1 | 17.7 | 12.07 | 14.0 | 15.0 | 15.0 | 15.5 | |
| No. of societies undertaking distribution of consumers articles. | | | | | | | | | |
| Marketing societies. No. | | 78 | 61 | 49 | 55 | 60 | 60 | 65 | |
| Village Cooperatives." | | 284 | 261 | 276 | 280 | 290 | 290 | 300 | |
| Retail sales of Urban Consumers during the year (Rs. Million). | | 26.18 | 15.44 | 20.4 | 21.0 | 22.0 | 22.0 | 23.0 | |

ANNUAL PLAN 1973-74 (COOPERATION)
PROGRAMMEWISE FINANCIAL OUTLAYS

L-12
L-13
ANNEXURE II

(Rs in lakhs)

| No. | Programme | Fourth Plan
outlay | Actuals | | | 1972-73
Approved
outlay | Ant.
Expdr. | 1973-74
proposed by the state | |
|--------|---|-----------------------|---------|-------|-------|-------------------------------|----------------|----------------------------------|---------|
| | | | 69-70 | 70-71 | 71-72 | | | Total | Capital |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
| 1. | Co-operative Agricultural credit | 141.74 | 5.89 | 25.86 | 29.55 | 25.69 | 25.69 | 54.60 | 11.00 |
| 2. | Co-operative Marketing | 30.65 | 3.51 | 6.03 | 10.42 | 10.85 | 10.85 | 18.61 | 17.89 |
| 3. | Co-operative Processing other than sugar factories. | 59.00 | 1.75 | 15.53 | 11.50 | 9.00 | 9.00 | 10.91 | 10.00 |
| 4. | Co-op: Sugar factories. | 16.00 | - | 2.04 | 2.00 | 1.00 | 1.00 | 10.00 | 10.00 |
| 5. | Co-op: agricultural supplies. | - | - | - | - | - | - | - | - |
| 6. | Co-operative storage | 16.00 | 1.50 | 3.96 | 2.10 | 1.98 | 1.98 | 2.70 | 2.025 |
| 7. | Co-operative distribution of consumers articles in rural areas. | 6.00 | 1.16 | 0.95 | 0.36 | 0.76 | 0.76 | 0.77 | 0.70 |
| 8. | Urban consumers cooperative. | 20.00 | 1.18 | 4.20 | 3.71 | 6.22 | 6.22 | 5.70 | 4.785 |
| 9. | Co-operative Farming | 11.00 | 0.25 | 1.20 | 1.00 | 3.50 | 3.50 | 3.94 | 3.55 |
| 10. | Other types of Co-op: | 8.37 | 0.27 | 0.32 | 1.70 | 1.25 | 1.25 | 0.68 | 0.50 |
| 11. | Co-operative Training and education. | 19.96 | 4.44 | 2.87 | 3.50 | 4.25 | 4.25 | 6.40 | - |
| 12. | Additional depttl. staff. | 15.28 | 1.14 | 2.00 | 2.30 | 3.50 | 3.50 | 7.50 | - |
| Total: | | 344.00 | 21.09 | 64.96 | 68.14 | 68.00 | 68.00 | 121.81 | 60.45 |

M-I

State : ASSAM DRAFT ANNUAL PLAN- 1973-74. (General Areas)

II-2. COMMUNITY DEVELOPMENT.

I. 1. The Fourth Plan (1969-74) outlay for Community Development Programme in the General Areas of the State is Rs. 215.00 lakhs. The Plan allocations and expenditure during the first three years of the Fourth Plan and for 1972-73 are indicated below :

| | <u>Allocation</u> | (Rs. in lakhs)
<u>Expenditure.</u> |
|---------|-------------------|---------------------------------------|
| 1969-70 | 60.00 | 53.50 |
| 1970-71 | 41.00 | 37.74 |
| 1971-72 | 46.70 | 48.28 |
| 1972-73 | 47.00 | 47.00 (anticipated) |

2. The phasing of the C.D. Blocks that will be in operation in the General Areas during 1973-74 are appended below :-

| | |
|-------------------------|------------|
| (i) Stage I | Nil. |
| (ii) Stage II | 24 Blocks. |
| (iii) Post-Stage II.... | 97 " |
| Total:- | 121 Blocks |

3. The C.D. programme is carried out on the basis of a schematic pattern and a prescribed budget for each of the Blocks, subject to modification according to local needs. The programme embraces all aspects of development in rural community life. The emphasis is, however, on agriculture. The C.D. funds with certain exceptions, are given to the Panchayats as grants-in-aid for formulation and implementation of various schemes.

Ms. 2

4. The physical achievements recorded under certain important items of C.D. programme during the first three years of the Fourth Plan are enumerated below:-

| <u>Sl.No.</u> | <u>Item</u> | <u>Unit.</u> | <u>1969-70</u> | <u>1970-71</u> | <u>1971-72</u> |
|---------------|--|--------------|----------------|----------------|----------------|
| 1. | Improved seeds distributed. | Qntls. | 63109 | 49056 | 61620 |
| 2. | Chemical fertilizer distributed..... | " | 46907 | 50878 | 90027 |
| 3. | Improved Implements distributed..... | Nos. | 3924 | 2471 | 3669 |
| 4. | Chemical pesticides distributed. | Kgs. | 156981 | 156864 | 170358 |
| 5. | Compost pits dug. ... | Nos. | 2935 | 1512 | 64684 |
| 6. | Improved Animals supplied. | " | 2219 | 1572 | 1646 |
| 7. | Improved bird supplied... | " | 17653 | 5936 | 16317 |
| 8. | Drinking water wells constructed. | " | 1350 | 564 | 423 |
| 9. | Drinking water wells renovated. | " | 1655 | 830 | 1435 |
| 10. | New kachcha roads constructed. | Kms. | 1129 | 482 | 953 |
| 11. | Existing kachcha roads improved. | " | 8397 | 1452 | 2535 |
| 12. | Culverts constructed.. | Nos. | 727 | 714 | 959 |

5. Factual data in respect of Blocks is given in

Annexure I.

II. 1. All the items of development as per schematic pattern will be continued in 1973-74. The information relating to outlays under different programmes is indicated in Annexure II.

2. The centrally sponsored schemes, as usual, will continue to be implemented during 1973-74. These include schemes for Applied Nutrition programme, Pilot Research Project for Integrated Area,

...M...3.....

... Integrated Area Development and Crash Nutrition Feeding programme for children 0-6 years.

The requisite particulars in this regard are given in statements IX-A & IX-B.

3. The Central sector scheme for Crash programme on Rural Employment is also being implemented in this State from 1971-72. The financial outlays and expenditure in respect of this scheme is shown in Statement X. The achievements on this scheme during 1971-72 are also indicated in Annexure III.

4. The position of Blocks taken up in the pàains districts of the State under Applied Nutrition programme during the Fourth Plan concerning C.D. Department, is shown as under :

| | | | |
|---------|-------|----|---------------|
| 1969-70 | ..... | 22 | Blocks. |
| 1970-71 | ..... | 20 | " |
| 1971-72 | ..... | 19 | " |
| 1972-73 | ..... | 18 | " |
| 1973-74 | ..... | 23 | " (proposed). |

This programme is meant to benefit the vulnerable groups and population and the selection of Blocks as such is dependent upon the fulfilment of this criterion. Side by side, the Crash Nutrition Feeding programme is also in operation in the State with the aim of combating mal and under nutrition, by providing supplementary diets to children of 0-6 years and expectant mothers in the tribal and economically backward areas. At present all the feeding programmes in the Blocks are being operated through the Mahila Samities under the supervision of Gram Sevikas and Lady Social Education Organisers. Besides, three district supervisors have since been appointed under the scheme for Composite Programme for women.

Contd.....M...4.

M-4.

....for Women and Pre-school children. They are also supervising the activities of the Nutrition programmes to the extent possible. It is, however, felt that additional staff consisting of ten Gram sevikas and one Lady Social Education Organiser per block, is essentially necessary for proper execution of the Nutrition schemes. In fact, a proposal to the effect has already been sent to the Govt. of India.

III. A total financial outlay of Rs. 28.48 lakhs is proposed for C.D. programme under the State Plan during 1973-74 in order to restrict it to the Fourth plan ceiling. This is shown in the Statement III. It is, however, pointed out that the C.D. programmes could not achieve the desired results due to paucity of funds. It seems therefore that increased allocation should be made for C.D. programme in the Annual plan for next year.

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Contd..... m-5

DRAFT ANNUAL PLAN 1973-74

STATEMENT III

SCHEME-WISE OUTLAYS AND EXPENDITURE

State: Assam (General Area)

| 1. | Head/Sub-head/Scheme | Fourth Plan Outlay (69-74) | | | Actual Expenditure | | | 1972-73 | | 1973-74 | | |
|----|----------------------|----------------------------|---------|------------------|--------------------|---------|---------|-----------------|----------------------|-----------------------|---------|------------------|
| | | Total | Capital | Foreign Exchange | 1969-70 | 1970-71 | 1971-72 | Approved outlay | Anticipated Expendt. | Proposed outlay Total | Capital | Foreign Exchange |
| 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | |

II-2. COMMUNITY DEVELOPMENT

| | | | | | | | | | | | |
|---------------|--------|-------|---|-------|-------|-------|-------|-------|------------------------|------|---|
| C.D. SCHEMES- | 215.00 | 37.97 | - | 53.50 | 37.74 | 48.28 | 47.00 | 47.00 | 28.48 28.48 | 5.11 | - |
|---------------|--------|-------|---|-------|-------|-------|-------|-------|------------------------|------|---|

DRAFT ANNUAL PLAN 1973-74

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Statement IX-A
State-Assam

Centrally sponsored schemes.

Schemewise outlay and Expenditure (Rs. Lakhs)

| Sl. No. | Name of the Scheme | Fourth Five year Plan outlay 1969-74 | Actual expenditure | | | 1972-73 | | 1973-74 (Proposed) | |
|---------|---|--------------------------------------|--------------------|---------|---------|---------|--------------------------|--------------------|----------|
| | | | 1969-70 | 1970-71 | 1971-72 | Outlay | Anticipated Expenditure. | Total outlay | Capital. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1. | Crash Nutrition Feeding Programme | Not known | 6.63 | 19.47 | 30.36 | 73.19 | 107.18 | | |
| 2. | Applied Nutrition Programme | " | 6.80 | 6.80 | 6.12 | 9.10 | 9.18 | 7.82 | |
| 3. | Pilot Research Project for integrated Area Dev. | " | 0.43 | 0.54 | 1.10 | 1.10 | 1.79 | | |

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Deaft Annual Plan 1973-74
Centrally sponsored schemes.

Statement IX B
 State-Assam.

Schemewise physical Targets and Achievements.

| Sl. No. | Name of the Scheme | Unit | Fourth Plan Targets 1969-74 | Achievements. | | | 1972-73 | | 1973-74 |
|---------|---|--------------------|-----------------------------|---------------|---------|---------|----------|--------------------------|-----------|
| | | | | 1969-70 | 1970-71 | 1971-72 | Proposed | Anticipated achievement. | Proposed. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1. | Crash Nutrition Feeding Programme. | No of benefici-ary | Not known | - | 47000 | 47000 | 1,03,900 | 1,03,900 | 1,70,000 |
| 2. | Applied Nutrition Programme.. | Blocks | 40 | 22 | 20 | 19 | 18 | 10 | 23 |
| 3. | Pilot Research ^{Growth} Project in fourth Centre. | Centre | (Continuing Centre) | - | | | | | |

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Annual Plan- 1973-74

Statement X
State- Assam.

Central Programmes.

(Rs.- Lakhs)

| 1 Programmes. | 1969-70 | 1970-71 | 1971-72 | 1972-73 | | 1973-74 |
|---------------|---------|---------|---------|-----------|--------------------------|----------------|
| | Actuals | Actuals | | Allotment | Anticipated, Expenditure | Propose outlay |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Special Employ-
ment Programme

| | | | | | | |
|--|---|---|-------|--------|--------|--------|
| Crash Scheme
for Rural
Employment. | - | - | 75.81 | 100.00 | 100.00 | 100.00 |
|--|---|---|-------|--------|--------|--------|

Details of achievements during 1971-72
shown in Annexure III

M-9

Annual Plan 1973-74 ANNEXURE-I
Community Development & Panchayati Raj.

Physical Targets & Achievements.

| | 1968-69 | 1969-70 | 1970-71 | 1971-72 | 1972-73
Antici-
pated. | 73-74
Tar-
get. |
|---|---------|---------|---------|---------|------------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

(a) Community Development

| | | | | | | |
|-----------------------|------------|------------|------------|------------|------------|------------|
| Stage I Blocks-... | 24 | 3 | 3 | - | - | - |
| Stage-II Blocks | 49 | 67 | 63 | 63 | 48 | 24 |
| Post Stage-II Blocks. | 47 | 51 | 55 | 58 | 73 | 97 |
| Total | 121 | 121 | 121 | 121 | 121 | 121 |

(b) Applied Nutrition Programme.

| | | | | | | |
|-----------------------|----|----|----|----|----|----|
| No. of Blocks covered | 19 | 22 | 20 | 19 | 18 | 23 |
|-----------------------|----|----|----|----|----|----|

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ANNEXURE-II

Annual Plan 1973-74

Community Development & Panchayati Raj.

Outlays & Expenditure.

(Rs. in lakhs.)

| Programme/Item | Fourth
Plan
ou tlay | 1969-
70
expd. | 1970-
71
expd. | 1971-72
Expd. | 1972-73 | | 1973-74 | |
|----------------------------------|---------------------------|----------------------|----------------------|------------------|-------------|----------------|--------------------|---------------|
| | | | | | Out-
lay | Anti-
Expd. | Proposed.
Total | Capit-
tal |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| <u>(a) Community Development</u> | | | | | | | | |
| 1. Staff | 13.03 | 12.60 | 11.00 | 11.00 | 8.16 | 8.16 | 4.08 | |
| 2. Programme | | 35.42 | 20.14 | 32.52 | 33.84 | 33.84 | 18.65 | |
| <u>(c) Applied Nutrition</u> | | | | | | | | |
| 1. Horticulture | | 0.52 | 0.52 | 0.50 | 0.52 | 0.52 | 0.60 | |
| 2. Poultry | | 3.80 | 3.80 | 3.61 | 3.80 | 3.80 | 4.37 | |
| 3. Pisciculture | | 0.68 | 0.68 | 0.65 | 0.68 | 0.68 | 0.78 | |
| <u>Total</u> | | 53.50 | 37.74 | 48.28 | 47.00 | 47.00 | 28.48 | 5.1 |

Crash Scheme for Rural Employment

Annexure 'C'

| Name of Dist. | No of Works Completed (NO) | Minor Irrigation | | | | | | Land Reclamation & improvement (Hectares). | | | |
|---------------|----------------------------|--|----|--|------|------------------|-----|--|---------------------------------------|--------------------|-----|
| | | Net addl. area likely to be irrigated by completed works (Hectares). | | No of works in progress at end of current quarter. | | Land re-claimed. | | Area cover- ed by soil conservation. | Area brou- ght under afforesta- tion. | Panchay: Land Dev. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Goalpara | 1 | - | - | 25 | - | - | - | 233 | - | - | 1 |
| Kamrup | 6 | - | - | 1820 | - | - | - | 120 | 72 | - | 31 |
| Darrang | - | - | - | - | - | - | - | 148 | - | - | 94 |
| Lakhimpur | - | 2 | - | - | 50 | - | - | 17 | 72 | - | - |
| Nowgong | 7 | 40 | - | - | 374 | - | - | 103 | - | - | 5 |
| Sibsagar | 7 | 18 | - | 1130 | 5620 | 600 | 500 | 35 | 1 | - | - |
| Dibrugarh | - | 5 | - | - | 30 | - | - | 222 | - | 7 | - |
| Cachar | - | 1 | 25 | 50 | 50 | - | - | - | - | - | 19 |
| Mikir Hills | - | - | - | - | - | - | - | 4 | - | - | - |
| N.C.Hills | 2 | - | - | 157 | - | - | - | 110 | - | - | - |
| State: Total | 16 | 66 | 25 | 3132 | 6124 | 600 | 500 | 992 | 145 | 7 | 150 |

-2-

M-12

1971-72

M-12

| Name of Districts. | Other agricultural production | | Communication | | | | | | |
|--------------------|--------------------------------------|--|-----------------|-------------------------|--|-----------------------|-----------------------|---------------|----------------------------|
| | Area protected from flood (Hectares) | Area benefiting from drainage (Hectares) | Community land. | Orchard | Pisciculture tanks constructed/improved. | Road | Road | Culverts. | |
| | | | No. | Area covered (hectares) | No of tanks. | Area hectares. | Construction (Km) | Improved (Km) | Construction improved. No. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Goalpara | - | - | 1 | 2 | 12 | 32 | 67 | 37 | - |
| Kamrup | 2170 | 402 | 2 | 15 | 32 | 107 | 176 | 69 | 19 |
| Darrang | 119 | 25 | 4 | 14 | 18 | 99 | 97 | - | 19 |
| Lakhimpur | 150 | 7 | - | - | 9 | 12 | 91 | 5 | 1 |
| Nowgong | 50 | - | 2 | 3 | 20 | 12 | 120 | 62 | 8 |
| Sibsagar | - | - | 7 | 26 | 21 | 264 | 89 | 375 | 50 |
| Dibrugarh | - | - | - | - | 6 | 35 | 56 | - | - |
| Cachar | - | 50 | 2 | 3 | 4 | 3 | 182 | 435 | 91 |
| Mikir Hills | - | - | - | - | - | - | 94 | - | 1 |
| N.C.Hills | - | - | - | - | - | - | - | - | - |
| State. Total | 2498 | 484 | 18 | 12x
63 | 63x
122 | 122
555 | 555
972 | 983 | 185 |

STATE : ASSAM DRAFT ANNUAL PLAN - 1973-74 (GENERAL AREAS)

II-3. PANCHAYATS.:

With the enactment of the Assam Panchayat Act, 1959, 18 Mohama Parishads, 121 Anchalik Panchayats and 2,602 Gaon Panchayats are functioning in the plains districts of the State. A new Panchayat Raj Bill has since been passed by the State Legislature thus remodelling the present set-up of the Panchayat Act.

A brief note on the schemes is appended below :

(1) Loans and Grants to Panchayats for creating remunerative assets -

The purpose of the scheme is to enable the Panchayats to augment their resources by creating remunerative assets like fisheries, forests, and by establishing or improving hats, etc. The increased number of Panchayats are coming forward to take advantage of this scheme. An outlay of Rs.3.00 lakhs is proposed for the purpose during 1973-74.

(2) Composite Programme for Women and Pre-School Children -

The main object of the scheme is to expand Nutrition education in rural areas (outside A.N.P). through programmes of cooking demonstration based on locally available food staff etc. and to encourage economic activities by granting incentive awards to Mahila Mandals, etc. It is necessary to strengthen the Supervisory machinery at the District and Block levels. Propoganda through Andio Visual method is also envisaged, in order to make the scheme a success, as the rural Women-folk are illiterate. A sum of

A sum of Rs.2.50 lakhs is required during 1973-74 for the purpose.

(3) Training of Panchayat Secretaries -

Two Training Centres are necessary to impart training to G.P.Secretaries on administrative organisation, maintenance of accounts, budgeting, etc. An outlay of Rs.1.50 lakhs is proposed for 1973-74.

(4) Research & Publication of Literature -

The success of the development schemes depends on publicity and propoganda. Effective steps are being taken for well-planned publicity and propoganda and to focus the need and importance of the schemes by the Panchayats through the medium of publication, posters, audio visual materials etc.

It is also proposed to establish a Research Wing to undertake research work on various aspects of C.D. and Panchayati Raj, after collecting materials, datas, etc.

A sum of Rs.2.00 lakhs is proposed for 1973-74.

(5) Up-grading of Panchayat Secretaries :-

This scheme is taken up for strengthening the Cadre of the Panchayat Secretaries. A sum of Rs.1.50 lakhs is required for the purpose during 1973-74.

(6) Panchayati Raj Training Centres -

Three training Centres are functioning to impart training to non-officials of the Panchayats, Rs.1.50 lakhs is proposed in the Annual Plan for 1973-74.

(7) Study tours for non-officials -

This scheme is taken up to organise tours of the non-officials members of the Panchayats within the State and also outside the State, in order to see and acquire knowledge about the Panchayati Raj activities in various parts of the State as well as outside, A sum of 0.50 lakh is required for the purpose during 1973-74.

N-3
•No-3.

(8) Loans to Gramdan Areas -

This scheme has been taken up for development of the Gaon Sabhas in Gramdan Areas. An outlay of Rs.2.00 lakhs is proposed for the purpose during 1973-74.

Schemewise outlays for all the schemes which are proposed to be implemented under the state plan during 1973-74 at an estimated outlay of Rs.14.50 lakhs, have been shown in statement III.

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DRAFT ANNUAL PLAN -1973-74.

Statement-III (General Areas)
State :::: Assam

Schemewise Outlays and Expenditure.

(Rs. in lakhs)

| Sl. No. | Head/Sub-head/Scheme | Fourth Plan outlay, 1969-74. | | | Actual Expenditure | | | 1972-73 | | 1973-74 | | | |
|-------------------------|--|------------------------------|---------|-------------------|--------------------|---------|---------|------------------|-------------------------|---------|---------|-------------------|---|
| | | Total | Capital | Foreign Exchange. | 1969-70 | 1970-71 | 1971-72 | Approved outlay. | Anticipated Expenditure | Total | Capital | Foreign Exchange. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| II-3. PANCHAYATS | | | | | | | | | | | | | |
| 1. | Loans and Grants to Panchayats for creating remunerative assets. | 13.36 | 13.36 | 19.00 | - | 1.26 | 0.70 | 1.19 | 2.25 | 2.25 | 3.00 | 2.00 | - |
| 2. | Grants to G.P. Office buildings. | 3.75 | - | - | - | - | 0.25 | - | - | - | - | - | - |
| 3. | Sonmelons... | 0.63 | - | - | - | 0.08 | 0.05 | 0.10 | - | - | - | - | - |
| 4. | Composite Programme for Women & Pre-School Children. | 7.83 | - | - | - | - | 0.44 | 1.25 | 2.00 | 2.00 | 2.50 | - | - |
| 5. | Training of Panchayat Secretaries..... | 8.51 | - | - | - | 1.35 | 1.06 | 1.15 | 1.00 | 1.60 | 1.50 | - | - |
| 6. | Research and Publication to literature. | 0.47 | - | - | - | 0.02 | - | 0.05 | 0.05 | 0.05 | 2.00 | - | - |
| 7. | Up-grading of Panchayat Secretaries. | 5.40 | - | - | - | - | 1.25 | 1.15 | 1.00 | 1.50 | 1.50 | - | - |
| 8. | Panchayati Raj Training Centres..... | 11.25 | 1.50 | - | - | 1.50 | 0.73 | 0.29 | 2.00 | 2.00 | 1.50 | 0.75 | - |
| 9. | Study tours for non-Officials..... | 1.00 | - | - | - | - | 0.11 | 0.1 | 0.30 | 0.30 | 0.50 | - | - |
| 10. | Loans to Gramdan Areas. | 4.70 | 4.70 | - | - | 0.60 | 5.50 | 1.20 | 1.20 | 1.20 | 2.00 | 2.00 | - |
| 11. | Panchayati Adalat..... | 0.15 | - | - | - | - | - | - | - | - | - | - | - |
| 13. | Financial assistance in the shape of matching grants. | 2.95 | - | - | - | - | - | - | 0.20 | 0.20 | - | - | - |
| Total:- | | 60.00 | 16.20 | - | - | 4.81 | 5.09 | 6.38 | 10.00 | 10.00 | 14.50 | 4.75 | - |

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DRAFT ANNUAL PLAN 1973-74
Central Programmes.

Statement -X.
State-Assam

| | | (Rs. in lakhs) | | | | | |
|---------|--|--------------------|--------------------|--------------------|----------------------|-------------------------|-----------------------------|
| Sl. No. | Programme | 1969-70
Actuals | 1970-71
Actuals | 1971-72
Actuals | 1972-73
Allotment | Anticipated Expenditure | 1973-74
Proposed outlay. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | Composite Programme for women and pre-school children. | - | 0.37 | 0.80 | 0.84 | 0.84 | 3.80 |
| 2. | Sonmelras. | - | - | - | 0.50 | 0.50 | .50 |
| Total:- | | - | 0.37 | 0.80 | 1.34 | 1.34 | 4.30 |

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STATE : ASSAM

(GENERAL AREAS)
HEAD : III: IRRIGATION AND POWERIRRIGATION
(MAJOR AND MEDIUM)

The Fourth Five Year Plan provision for the Irrigation Sector, both Major and Medium Irrigation Schemes, is Rs. 490.00 lakhs. There is only one Major Irrigation Scheme viz Dhansiri Major Irrigation scheme in the State Plan, the Fourth Five Year Plan provision for which is only Rs. 20.00 lakhs. No expenditure was incurred on this scheme for the years 1969 to 1972-73. A critical review of the performance of the Medium Irrigation scheme in the years 1969-70 to 1971-72, expected achievements during the years 1972-73 and the important aspects of the proposals in the year 1973-74 are indicated below:-

There are three spilled over schemes viz (a) Jamuna Irrigation scheme (b) Sukla Irrigation scheme (c) Longa Irrigation scheme.

The Jamuna Irrigation scheme has ~~not~~ been completed during the Ad-hoc Annual Plan periods. Provision has, however, been made in the Fourth Five Year Plan against this scheme for clearing up its post liabilities. No substantial progress could be made on the other two schemes. During the years 1969-70 an expenditure of Rs. 55.00 lakhs was made on Jamuna Irrigation scheme and on Survey and investigation of some new schemes. During the year 1970-71, the head work for Sukla Irrigation scheme was in progress. Expenditure also incurred on carrying out investigation and survey of new schemes. The total expenditure incurred during the year was Rs. 55.00 lakhs.

During the year 1971-72, the major portion of the Plan provision was incurred on Sukla Irrigation scheme. Some expenditures were also incurred on Longa Irrigation scheme, Lift Irrigation schemes for the river Brahmaputra and on carrying out investigation and survey of new schemes. An expenditure of Rs. 79.00 lakhs was incurred during the year 1971-72.

P-2.

The Annual plan provision for the year 1972-73 will be utilised in full. The works ^{on} ~~was~~ Sukla Irrigation scheme, Longa Irrigation scheme Lift Irrigation schemes on the river Brahmaputra, will be continued during the year ^{at} ~~in~~ ^{time.} Investigation works on new schemes will also continue.

During the year 1973-74, a sum of Rs. 171.00 lakhs is proposed under Medium Irrigation schemes and a sum of Rs. 20.00 lakhs under Dhansiri Major Irrigation scheme. With the proposed provision of Rs. 171.00 lakhs, it is intended to complete the Sukla Irrigation scheme, and also to complete the major portion of the works of the other Irrigation schemes. Survey and investigation works of the new schemes will also be continued.

Investigation works of the Dhansiri Major Irrigation project will be taken up during the year 1973-74.

CENTRAL PROGRAMMES

There is ~~only~~ one scheme under the above programme viz Rural Engineering Survey. No expenditure was incurred during the years 1969 to 1971-72. The current years provision is Rs. 6.37 lakhs and the entire amount is expected to be spent. During the year 1973-74, a sum of Rs. 4.89 lakhs is proposed for the continuance of the above programme.

DRAFT ANNUAL PLAN 1973-74

STATEMENT -III-A

State
Name of the scheme : ASSAM

Rs. in lakhs

scheme-wise details of outlays and expenditure on major and medium Irrigation schemes.

| Name of the Project | Latest estimated cost | Expenditure to end of 1968-69 | Fourth P-plan outlay | Actual Expenditure | | | 1972-73 | | 1973-74 | | | |
|-------------------------------------|-----------------------|-------------------------------|----------------------|--------------------|---------|---------|-----------------|-------------------------|---------|---------|------------------|----|
| | | | | 1969-70 | 1970-71 | 1971-72 | approved outlay | Anticipated expenditure | Total | Capital | Foreign Exchange | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| III-Irrigation and Power | | | | | | | | | | | | |
| III-I-Irrigation | | | | | | | | | | | | |
| <u>A continuing Schemes</u> | | | | | | | | | | | | |
| <u>I Multipurpose Major Schemes</u> | | | | | | | | | | | | |
| I Dhansiri Irrigation Schemes. | 784.00 | - | 20.00 | - | - | - | - | - | - | 20.00 | 20.00 | - |
| Total:- | 784.00 | | 20.00 | - | - | - | - | - | - | 20.00 | 20.00 | - |
| <u>II Medium Schemes</u> | | | | | | | | | | | | |
| I Jamuna Irrigation Scheme. | 410.00 | 370.00 | 40.00 | 34.50 | 2.00 | 3.50 | 5.00 | 5.00 | - | - | - | - |
| II Sukla Irrigation Scheme. | 298.00 | 32.00 | 241.00 | 15.50 | 48.00 | 57.50 | 73.00* | 73.00 | 70.00 | 70.00 | - | - |
| Total:- | 708.00 | 402.00 | 281.00 | 50.00 | 50.00 | 61.00 | 78.00 | 78.00 | 70.00 | 70.00 | - | - |

Contd.4

| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|----------------|---------------|---------------|---------------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|----------|
| <u>New Schemes</u> | | | | | | | | | | | | |
| Multipurpose Major Schemes | - | - | - | - | - | - | - | - | - | - | - | - |
| <u>I. Medium Schemes</u> | | | | | | | | | | | | |
| Longa Irrigation Scheme. | 60.00 | - | - | 40.00 | - | - | 3.00 | 4.25 | 4.25 | 17.00 | 17.00 | - |
| Lift Irrigation Schemes from Brahmaputra. | 153.00 | - | - | 124.00 | - | - | 10.00 | 26.40* | 26.40 | 79.00 | 79.00 | - |
| Total:- | 213.00 | - | - | 164.00 | - | - | 13.00 | 30.65 | 30.65 | 96.00 | 96.00 | - |
| <u>C. Investigation and Research</u> | | | | | | | | | | | | |
| Investigation and Research. | - | - | - | 25.00 | 5.00 | 5.00 | 5.00 | 1.35 | 1.35 | 5.00 | 5.00 | - |
| Total:- | - | - | - | 25.00 | 5.00 | 5.00 | 5.00 | 1.35 | 1.35 | 5.00 | 5.00 | - |
| Grand Total:- | 1705.00 | 402.00 | 490.00 | 55.00 | 55.00 | 79.00 | 110.00 | 110.00 | 191.00 | 191.00 | - | - |

* Includes proxata cost of establishment, tool and plants.

DRAFT ANNUAL PLAN 1973-74 *R P-5.*
 IMPORTANT PROJECT COSTING RS. CORES
and more.

Statement IV
 State: Assam
 Rs. in lakhs

| Head of Development | Total estimated cost | Fourth Plan outlay 1969-74 | | | Total Expenditure up to 1968-69 | Actual Expenditure | | | 1972-73 | | 1973-74 | | | |
|-------------------------------|----------------------|----------------------------|---------|-------|---------------------------------|--------------------|---------|---------|-----------------|------------------|------------|---------|--------|-------|
| | | Total | Capital | F. E. | | 1969-70 | 1970-71 | 1971-72 | Approved outlay | Anti-cipatd Exp. | To Capital | Capital | F. E. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| <u>Irrigation and Power</u> | | | | | | | | | | | | | | |
| (a) Major Irrigation Project. | | | | | | | | | | | | | | |
| Dhansiri Project | 784.00 | 20.00 | 20.00 | - | - | - | - | - | - | - | - | 20.00 | -20.00 | 20.00 |
| <u>Flood Control Project</u> | | | | | | | | | | | | | | |
| Barak dam Project | 1724.00 | 5.00 | 8.00 | - | - | - | - | - | - | - | - | 5.00 | -5.00 | 5.00 |

~~C~~^eck list in respect of principal project costing Rs. 5.00 crores and above.

1. Name of project with brief description and location.

(a) Barak Dam projects :- (Flood control element only) This is going to be multipurpose project with both power and Flood control element at a total cost of Rs. 37.69 crores located in the upper reach of the Barak river falling partly in Assam and partly in Manipur state.

(b) Dhansiri Irrigation Scheme :- This scheme is located in the Mangaldoi civil Sub-Division of Darrang District. This will be run off the river major scheme. The Dhansiri will be tapped for irrigation with head works immediately down stream of Bhairabkunda which will command a gross area of about 1.5 lakhs acres to the west of the Dhansiri river. Perennial Irrigation water will be supplied by this scheme.

2. ^{ce} Date of commencement - End of the 4th Plan.

3. Estimated date of completion - End of the Fifth Plan

Cost of estimate/and outlay- (a) Barak - Rs. 1724.00 lakhs (for flood control portion)

(b) Dhansiri - Rs. 784.00 lakhs.

Foreign Exchange $\frac{Rs}{2}$ 10.00 lakhs. --- Dhansiri

Rs 25.00 " --- Barak.

| Project | Expenditure upto 1971-72 | | Outlay approved 1969-74 | | Outlay approved 1972-73 | | Anticipated outlay 1972-73 | | Proposed outlay 1973-74 | | |
|-----------------------------|--------------------------|------|-------------------------|------|-------------------------|------|----------------------------|------|-------------------------|-------|----|
| | Total | E.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Barak Project | - | - | 5.00 | - | - | - | - | - | - | 5.00 | - |
| Dhansiri Irrigation Project | - | - | 20.00 | - | - | - | - | - | - | 20.00 | - |

5 Programme of outputs/Benefits

| Item | Unit | Progress up to 1968-69 | Target for 4th Plan | Achievement upto 1971-72 | Anticipated progress 1972-73 | Target for 1973-74 |
|----------|--------------|------------------------|---------------------|--------------------------|------------------------------|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Barak | 000 Hectares | - | - | - | - | - |
| Dhansiri | 000 " | - | - | - | - | - |

6. Employment data (Mandays)

@ Labour requirement during the construction phase

| From 1969 to 70 to 71-72 | Skilled Degree | Personal technical Diploma | Non.Tech. | Unskilled |
|--------------------------|----------------|----------------------------|-----------|-----------|
|--------------------------|----------------|----------------------------|-----------|-----------|

| | | | | |
|-----------------|---|------|------|--------|
| 1. Barak 600 | - | 800 | 1500 | 10,000 |
| 2. Dhansiri 800 | - | 1000 | 1800 | 15000 |

Estimated requirement of labour during operation Nil in the 4th plan only a part of the project will be taken up

4TH FIVE YEAR PLAN (GENERAL)

STATEMENT VI

P-8

S-UI

| Sl. no. | Unit | Actual | Likely | Achievement | | | 72-73 | | 73-74 |
|-------------------------------|--|----------------------|--------|---|-------|-------|-------|--------|-------|
| | | achievement
68-69 | | achievement
at the
end of the
4th Plan
(target) | 69-70 | 70-71 | 71-72 | Target | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | 10.72 | 22.24 | 18.22 | 37.70 |
| Major and Medium Irrigation | Potential
Kdo
in 1000
hectares | 20.00 | 50.49 | 25.80 | - | - | - | -- | - |
| Probable achieve-ment of area | -do- | - | -- | 3.1 | 4.1 | 3.10 | 6.8 | 6.8 | 8.7 |

FOURTH FIVE YEAR PLAN
 DRAFT ANNUAL PLAN 1973-74
 SPILL OVER TO THE FIFTH PLAN

P-9

STATEMENT VIII
 STATE - Assam
 Rs. in lakhs

| Name of Scheme/
Project | Total Cost | | Expenditure upto
1968-69 | Fourth
Plan
approved
outlay | Expenditure | | | Antici-
pated
1972-
73 | Propo-
sed
1972-
73 | Total
for 5
years
1969-
74 | Spill-over | |
|--|----------------------|-------------------|-----------------------------|--------------------------------------|-------------|-------------|-------------|---------------------------------|------------------------------|--|------------|----------------|
| | Estimated
Earlier | revised
if any | | | 1969-
70 | 1970-
71 | 1971-
72 | | | | Total | (Fifth
Plan |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 2. Major and Medium
Irrigation
Scheme. | | 1743.00 | 434.00 | 490.00 | 55.00 | 55.00 | 79.00 | 110.00 | 191.00 | 490.0 | 829.00 | 829.0 |
| 3. F.C. Scheme | | 1002.00 | 257.00 | 450.00 | 53.15 | 70.00 | 87.00 | 64.00 | 175.85 | 450.0 | 295.0 | 295.0 |

ANNUAL PLAN 1973-74 P-10
CENTRAL PROGRAMMES

STATEMENT X
Rs. in lakhs.

State: Assam

| Sl No. | Programmes | 1969-70
Actual | 1970-71
Actual | 1971-72
Actual | 1972-73
Allotment | Anticipated
Expenditure | 1973-74
Proposed outlay |
|--------|--------------------------|-------------------|-------------------|-------------------|----------------------|----------------------------|----------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1(C) | Rural Engineering Survey | - | - | - | 6.37 | 6.37 | 4.89 |

Head:-III. Irrigation and power
III-2 Flood Control.

(a) BARAK VALLEY SCHEMES:

The Fourth Five Year Plan Provision for the flood Control Schemes in the Barak Valley is Rs. 450.00 lakhs. During the year 1969-70, an expenditure of Rs. 53.15 lakhs was incurred. The major portion of the expenditure was incurred on the continuing Schemes. During the year 1970-71, the expenditure incurred was Rs. 70.00 lakhs, out of which Rs. 45.00 lakhs was incurred on the continuing schemes. During the year 1971-72, an expenditure of Rs. 37.00 lakhs was incurred. The current year's allocation of Rs. 64.00 lakhs is likely to be utilised in full. The expenditure during the years 1969- to 1971-72 were spent on raising and strengthening of the existing flood embankments where considered necessary on priority basis, besides constructing new embankments, sluices etc.

The current year's Plan provision is also likely to be utilised in full. With this amount, apart from taking up some new schemes works on raising and strengthening of the existing dykes will be continued. Other flood control measures have also been taken up.

During the year 1973-74 the allocation proposed is Rs. 175.85 lakhs, with which the various flood control measures taken up earlier will be continued. Some advance action on Barak Dam Project, Investigation, Research and survey works on a new schemes are also likely to be taken up.

(b) BRAHMAPUTRA VALLEY SCHEMES:

The Fourth Five Year Plan provision for flood Control Works in Brahmaputra Valley is 1989.00 lakhs. During the year 1969-70, an expenditure of Rs. 489.66 lakhs was incurred. During the year, some emergent flood control measures like Kokilamukh and Kokrajhar Town protection were taken up in addition to the normal flood control works like raising & strengthening of dykes, new embankments etc. However, the major portion of the expenditure was on still over schemes.

During the year 1970-71, a high power Brahmaputra Flood Control

Board and a Brahmaputra Flood control Commission were constituted to look after the flood Control measures of the Brahmaputra Valley, . An expenditure of Rs.510.00 lakhs was incurred on the various flood control measures. Over and above, the Govt of India sanctioned an advance of Rs.5.00 crores to the State as " Ways & Means Advance" to tide over its difficulties created by heavy floods in the State during the year. Out of the above amount Rs.1.70 crores was also spent on emergent flood control Schemes, included in the State Plan. Thus the total expenditure on Plan ~~the total the~~ Schemes during the year 1970-71 was Rs.680.00 lakhs. The major portion of the expenditure were incurred on Raising & strengthening of the existing dykes, flood protection works and also on new embankments. During the year 1971-72, The deptt. incurred an expenditure of Rs.460.00 lakhs. on the various flood control schemes taken up earlier about taking up some new embankment schemes etc.

The current year's allocation of Rs. 460.00 lakhs is likely to be utilised in full. With the above amount, works will be continued on the various flood control measures already taken in hand.

During the year 1973-74, a sum of Rs. 69.34 lakhs is proposed. Besides an additional non-plan allocation of Rs.486.00 lakhs is required to continue, ~~the~~ The various flood control schemes, in the Brahmaputra Valley. If the proposal is accepted, the schemes will generate employment to about 5000 unskilled personnel and 2200 skilled personnel, for four months.

x-x-x-x-x-x-x

Contd.,R.5.

(Rs. in lakhs)

3-11

| Head of Development | Fourth Plan
1969-74 | Actual Expenditure | | | 1972-73 | | 1973-74 | | | |
|--------------------------------|------------------------|--------------------|---------------|---------------|-----------------|-------------------------|---------------|---------------|------------------|-----|
| | | 1969-70 | 1970-71 | 1971-72 | Approved outlay | Anticipated Expenditure | Total | Capital | Foreign Exchange | |
| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
| 4 Irrigation & Power | | | | | | | | | | |
| 2 Flood Control | | | | | | | | | | |
| (a) Barak Valley Scheme | 450.00 | 53.15 | 70.00 | 87.00 | 64.00 | 64.00 | 175.05 | 175.85 | - | |
| (b) Brahmaputra Valley Schemes | 1989.00 | 489.66 | 510.00 | 460.00 | 460.00 | 460.00 | 69.34 | 69.34 | - | |
| TOTAL | 2439.00 | 542.81 | 580.00 | 547.00 | 524.00 | 524.00 | 245.19 | 245.19 | | |

Schemes taken up out of additional central Assistance outside the State Plan in the Brahmaputra Valley

| | | | | | | | | | | |
|--|---|---|--------|-------|--------|--------|--------|--------|---|--|
| | - | - | 170.00 | 17.37 | 282.63 | 282.63 | 486.00 | 486.00 | - | |
|--|---|---|--------|-------|--------|--------|--------|--------|---|--|

Programme wise Outlay & Expenditure

| Sl. No. | Programme | Actual Expenditure | | | | | | (Rs. in Lakhs.) | |
|---------------------------------------|---------------------------------------|--------------------|--------------|--------------|--------------|-------------------------|---------------------------------|-------------------------|--|
| | | Fourth Plan Outlay | 1969-70 | 1970-71 | 1971-72 | 1972-73 Approved Outlay | 1973-74 Anticipated Expenditure | 1973-74 Proposed Outlay | |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | |
| II. Flood Control | | | | | | | | | |
| (a) Barak Valley Schemes | | | | | | | | | |
| A. | <u>Continuing Schemes</u> | 164.00 | 29.15 | 45.99 | 27.00 | 20.00 | 20.00 | 42.85 | |
| B. | <u>New Schemes</u> | | | | | | | | |
| 1. | Embankments. | 110.00 | 8.00 | 9.00 | 20.00 | 10.00 | 10.00 | 63.00 | |
| 2. | Protection of Towns & River Training. | 26.00 | 1.00 | 2.00 | 3.00 | 5.00 | 5.00 | 15.00 | |
| 3. | Drainage Improvement | 15.00 | - | - | 6.00 | 5.00 | 5.00 | 4.00 | |
| 4. | R/S. of Dykes | 75.00 | 10.00 | 8.00 | 12.00 | 10.00 | 10.00 | 55.00 | |
| 5. | Sluices | 20.00 | 2.00 | 2.00 | 8.00 | 5.00 | 5.00 | 3.00 | |
| 6. | Raised Platform | 5.00 | - | - | - | 2.00 | 2.00 | 3.00 | |
| 7. | Survey of Investigation | 55.00 | 3.00 | 4.00 | 11.00 | 7.00 | 7.00 | 10.00 | |
| TOTAL | | 450.00 | 53.15 | 70.00 | 87.00 | 64.00 | 64.00 | 175.85 | |
| (b) Brahmaputra Valley Schemes | | | | | | | | | |
| A. | <u>Continuing Schemes</u> | 440.67 | 240.68 | 36.86 | 118.69 | 44.44 | 44.44 | - | |
| B. | <u>New Scheme</u> | | | | | | | | |
| 1. | New Embankments | 375.02 | 13.58 | 109.71 | 114.40 | 119.48 | 119.08 | 18.25 | |

| | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. |
|--|----------------|--------|---------------|---------------|---------------|---------------|---------------|---------------|
| 2. R/S. of existing Dykes | 461.71 | | 85.93 | 177.34 | 67.86 | 110.08 | 110.08 | 20.50 |
| 3. Drainage Schemes | 1.10 | | - | - | - | 1.00 | 1.00 | 0.10 |
| 4. Sluices | 28.56 | | - | 0.90 | 6.50 | 16.96 | 16.96 | 4.20 |
| 5. River Training & Dredgers | 58.12 | | - | 1.52 | 6.80 | 28.81 | 28.81 | 1.50
28.81 |
| 6. Town Protection | 117.51 | 149.47 | | 183.68 | 137.55 | 43.76 | 43.76 | 3.05 |
| 7. Investigation & Survey | 32.61 | | - | - | 8.20 | 21.07 | 21.07 | 3.34 |
| 8. Miscellaneous | 52.02 | | - | - | - | 37.12 | 37.12 | 14.90 |
| 9. Establishment Charges, Tools & Plants | 41.68 | | - | - | - | 37.68 | 37.68 | 4.00 |
| TOTAL :- | 1989.00 | | 489.66 | 510.00 | 460.00 | 460.00 | 460.00 | 69.34 |

Schemes taken up out of the additional
Central Assistance outside the State

Plan

New Schemes.

| | | | | | | | | |
|-------------------------------------|----------|----------|----------|---------------|--------------|---------------|---------------|---------------|
| 1. R/S. of existing Dykes | - | - | - | 250 | 4.60 | 82.80 | 82.80 | 169.34 |
| 2. New Embankments | - | - | - | 100.50 | 1.20 | 62.75 | 62.75 | 101.10 |
| 3. Sluices | - | - | - | - | 0.60 | 12.65 | 12.65 | 42.75 |
| 4. River training & Dredgers | - | - | - | 31.00 | 3.80 | 15.43 | 15.43 | 17.00 |
| 5. Protection Works | - | - | - | 21.00 | 1.90 | 81.50 | 81.50 | 83.73 |
| 6. Investigation, Survey & Research | - | - | - | 15.00 | 0.82 | 12.50 | 12.50 | 26.78 |
| 7. Miscellaneous | - | - | - | - | 4.45 | 15.00 | 15.00 | 45.30 |
| TOTAL | - | - | - | 170.00 | 17.37 | 282.63 | 282.63 | 486.00 |

DRAFT ANNUAL PLAN 1973-74
Scheme wise Outlays & Expenditure

STATEMENT-III.

| Head/Sub-head/Scheme | Estimated Cost | Expenditure upto the end of 1968 | Fourth Plan Outlay (1969-74) | | Actual Expenditure 1972-73 | | | 1973-74 (Proposed Outlay) | | | | | |
|--|----------------|----------------------------------|------------------------------|---------|----------------------------|---------|---------|---------------------------|-----------------|-----------------------------|--------|---------|------------------|
| | | | Total | Capital | Foreign Exchange | 1969-70 | 1970-71 | 1971-72 | Approved Outlay | Anti-impairment Expenditure | Total | Capital | Foreign Exchange |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
| 5. Irrigation & Power | | | | | | | | | | | | | |
| 5.2 Flood Control | | | | | | | | | | | | | |
| (a) Barak Valley Schemes | | | | | | | | | | | | | |
| 1. (a) Continuing Schemes | 164.00 | - | 164.00 | 164.00 | - | 29.15 | 45.00 | 27.00 | 20.00 | 20.00 | 42.85 | 42.85 | - |
| (b) New Schemes | | | | | | | | | | | | | |
| (i) Raising & Strengthening of Dykes | | | | | | | | | | | | | |
| (ii) Embankments | 293.43 | - | 110.00 | 110.00 | - | 8.00 | 9.00 | 20.00 | 10.00 | 10.00 | 63.00 | 63.00 | - |
| (iii) Drainage Schemes | 220.00 | - | 15.00 | 15.00 | - | - | - | 6.00 | 5.00 | 5.00 | 4.00 | 4.00 | - |
| (iv) Sluices | 30.00 | - | 20.00 | 20.00 | - | 2.00 | 2.00 | 8.00 | 5.00 | 5.00 | 3.00 | 3.00 | - |
| (v) Town Protection & River Training | 40.00 | - | 26.00 | 26.00 | - | 1.00 | 2.00 | 5.00 | 5.00 | 5.00 | 15.00 | 15.00 | - |
| (vi) Raised Platform | 5.00 | - | 5.00 | 5.00 | - | - | - | - | 2.00 | 2.00 | 3.00 | 3.00 | - |
| (vii) Barak Dam (advance Action). | 10.00 | - | 5.00 | 5.00 | - | - | - | - | - | - | 5.00 | 5.00 | - |
| (viii) Investigation of Flood Control Dams | 10.00 | - | 10.00 | 10.00 | - | - | 2.00 | 5.00 | 2.00 | 2.00 | - | - | - |
| (c) Investigation Survey and Research. | 20.00 | - | 20.00 | 20.00 | - | 3.00 | 2.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | - |
| | | | | | | 157.15 | 70.00 | 87.00 | 64.00 | 64.00 | 175.85 | 175.85 | |

(b) Brahmaputra Valley
 & Schemes.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---------|--------|-----------------------|---------|---|--------------------------|--------|------------------------|--------|------------------------|-------|-------|----|----|
| A. Schemes of the provisions Plan spilling into the fourth Plan. | 1301.14 | 800.05 | 444 440.67 | 440.67 | - | 240.68 | 36.86 | 118.69 | 44.44 | 44.44 | - | - | - | - |
| B. New Schemes | | | | | | | | | | | | | | |
| i. R/S. of existing Dykes | - | - | 461.71 | 461.71 | - | 85.93 | 177.34 | 67.86 | 110.08 | 110.08 | 20.50 | 20.50 | - | - |
| ii. New Embankments | - | - | 375.02 | 375.02 | - | 13.58 | 109.71 | 114.40 | 119.08 | 119.08 | 18.25 | 18.25 | - | - |
| iii. Drainage Schemes | 1.10 | - | 1.10 | 1.10 | - | - | - | - | 1.00 | 1.00 | 0.10 | 0.10 | - | - |
| iv. Sluices | - | - | 28.56 | 28.56 | - | - | 0.90 | 6.50 | 16.96 | 26.96 | 4.20 | 4.20 | - | - |
| v. River training and Drudgers. | - | - | 38.12 | 38.12 | - | - | 1.51 | 6.80 | 28.81 | 28.81 | 1.00 | 1.00 | - | - |
| vi. Protection works | - | - | 517.51 | 517.51 | - | 149.47 149.47 | 183.68 | 137.55 | 43.76 | 43.76 | 3.05 | 3.05 | - | - |
| vii. Raised Platform | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| viii. Storage Reservoir | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ix. Flood Forecasting & Warning. | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| x. Investigation & Survey | - | - | 32.61 | 32.61 | - | - | - | 8.20 | 21.07 | 21.07 21.07 | 3.34 | 3.34 | - | - |
| xi. Miscellaneous (Establishment of the Brahmaputra Commission, Unforeseen works, Land Acquisition) | - | - | 52.02 | 52.02 | - | - | - | - | 37.12 | 37.12 | 14.80 | 14.90 | - | - |
| xii. Establishment charges, Tools & Plant | - | - | 41.68 | 41.68 | - | - | - | 37.68 37.68 | 37.68 | 37.68 | 4.00 | 4.00 | - | - |
| TOTAL | - | - | 1989.00 | 1989.00 | - | 489.66 | 510.00 | 460.00 | 460.00 | 460.00 | 69.34 | 69.34 | - | - |

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|----|----|----|----|----|----|----|---------------|--------------|---------------|---------------|---------------|---------------|----------|
| Schemes taken up outside the State Plan out of <u>addl. Central Assistance</u> | | | | | | | | | | | | | | |
| <u>New Schemes.</u> | | | | | | | | | | | | | | |
| i. R.S. of existing Dykes | - | - | - | - | - | - | - | 2.50 | 4.60 | 82.80 | 82.80 | 169.34 | 169.34 | - |
| ii. New Embankments | - | - | - | - | - | - | - | 100.50 | 1.20 | 62.75 | 62.75 | 101.10 | 101.10 | - |
| iii. Drainage Schemes. | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| iv. Sluices | - | - | - | - | - | - | - | - | 0.60 | 12.65 | 12.65 | 42.75 | 42.75 | - |
| v. River training & Dredges | - | - | - | - | - | - | - | 51.00 | 3.80 | 15.43 | 15.43 | 17.00 | 17.00 | - |
| vi. Protection Works | - | - | - | - | - | - | - | 21.00 | 1.90 | 81.50 | 81.50 | 83.73 | 83.73 | - |
| vii. Investigation, Survey & Research. | - | - | - | - | - | - | - | 15.00 | 0.82 | 12.50 | 12.50 | 26.78 | 26.78 | - |
| viii. Miscellaneous
(Establishment of the
B.F.C., Unforseen
Works, old land
Acquisition Cases) | - | - | - | - | - | - | - | - | 4.45 | 15.00 | 15.00 | 45.30 | 45.30 | - |
| TOTAL | | | | | | | | 170.00 | 17.30 | 282.63 | 282.63 | 486.00 | 486.00 | - |

Annual Plan for 1971-72,
PLAN OUT-LAY SCHEMewise

R-9.

(Rs. in lakhs.)

| Sl. No. | Head/Sub-head/Scheme | Estimated Cost. | Expenditure upto the end of 1969-69 | 4th Plan out-Lay 1969-74 | | | ACTUAL EXPENDITURE | | | | | | |
|---------|----------------------|-----------------|-------------------------------------|--------------------------|---------|-------------------|--------------------|---------|-------|-------|------|----------|-------|
| | | | | Total | Capital | Foreign Exchange. | 69-70 | 1970-71 | 71-72 | 71-72 | Plan | Non-Plan | Total |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |

III. IRRIGATION AND POWER

2(a) Flood Control-Brahmaputra Valley Schemes

A. Continuing Schemes :-

(Spill over amount from ~~1301.14~~ Previous Plans

| | | | | | | | | | | | |
|---------|--------|--------|--------|---|--------|-------|-------------------|-------|--------|---|--------|
| 1301.14 | 800.23 | 440.67 | 440.67 | - | 240.68 | 36.86 | 118.69 | 36.86 | 118.69 | - | 118.69 |
|---------|--------|--------|--------|---|--------|-------|-------------------|-------|--------|---|--------|

B. Flood Control (Continuing)

| | | | | | | | | | | | |
|---------|--------|--------|--------|---|--------|-------|---|-------|--------|---|--------|
| 1301.14 | 800.23 | 440.67 | 440.67 | - | 240.68 | 36.86 | - | 36.86 | 118.69 | - | 118.69 |
|---------|--------|--------|--------|---|--------|-------|---|-------|--------|---|--------|

R/S. of existing Dykes (Taken up in 1969-70) :-

| | | | | | | | | | | | | |
|----|--|-------|-------|-------|-------|---|---|---|---|---|---|---|
| 1. | R/S. of Brahmaputra Dyke from Haldibari to Dessimora. | 51.81 | - | 51.81 | 51.81 | - | - | - | - | - | - | - |
| 2. | R/S. of Brahmaputra Dyke from Deorighat to Sissikalghar (2nd R/S). | 56.38 | - | 37.15 | 37.15 | - | - | - | - | - | - | - |
| 3. | R/S. of Brahmaputra Dyke from Biswanath to Ranpur | - | 14.19 | 14.19 | - | - | - | - | - | - | - | - |

Contd...
 Contd..

1972-1973

Proposed Outlay

1973-74.

R-9

| Sl. No. | Head/Sub-Head/Schemes | 1972-1973 | | | Anticipated Expenditure | | | Proposed Outlay | | | 1973-74. | | | Foreign Exchange |
|---------|-----------------------|-----------------|----------|-------|-------------------------|----------|-------|-----------------|----------|-------|----------|----------|-------|------------------|
| | | Approved outlay | | | Total | | | Total | | | Capital | | | |
| | | Plan | Non-Plan | Total | Plan | Non-Plan | Total | Plan | Non-Plan | Total | Plan | Non-Plan | Total | |
| 1 | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |

III. IRRIGATION AND POWER

2(a) Flood Control-Brahmaputra Valley Schemes :

A. Continuing Schemes :-

(Spill over amount from Previous plans.

B. ~~Flood Control (Continuing)~~

B. Flood Control (Continuing):-

R/S. of existing Dykes
(Taken up in 1969-70) :-

| | | | | | | | | | | | | | | |
|----|--|------|---|------|------|---|------|---|---|---|---|---|---|---|
| 1. | R/S. of Brahmaputra Dyke from Haldibari to Bessamora. | 2.59 | - | 2.59 | 2.59 | - | 2.59 | - | - | - | - | - | - | - |
| 2. | R/S. of Brahmaputra Dyke from Deorighat to Sissikalghar (2nd R/S). | 2.59 | - | 2.59 | 2.59 | - | 2.59 | - | - | - | - | - | - | - |
| 3. | R/S. of Brahmaputra Dyke from Biswanath to Pampur. | 0.70 | - | 0.70 | 0.70 | - | 0.70 | - | - | - | - | - | - | - |

Contd....

| | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | 16. | 17. | 18. | 19. | 20. | |
|---|---------------|-------|---------------|---------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|--------------|
| R/S of M/E along B/B of Bagladiya, from Kohura to Di Julihat (The...II) | 65.44 | 65.44 | 65.44 | 65.44 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.27 | 3.27 |
| R/S of Moridhal dyke from Sarukacharigaon to Sissikolghar (3rd R/S) | 28.00 | - | 31.00 | 31.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.50 | 0.50 |
| R/S of Brahmaputra Dyke from Jagimukh to Neamati (Ph.-II) | 7.57 | - | 7.77 | 7.77 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.20 | 0.20 |
| R/S of Dibrugarh protection bund from Maijan to Mohonghat (Brahmaputra Dyke). | 22.70 | - | 22.70 | 22.70 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.51 | 0.51 |
| TOTAL | 246.19 | | 230.15 | 230.15 | | | | | | | | | | | | | | | 10.36 | 10.36 |

TAKEN UP IN 1970-71)

| | | | | | | | | | | | | | | | | | | | | |
|--|-------|---|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|------|
| 8. R/S of Puthimari embankment L/D from Bramboi to its outfall | 28.72 | - | 16.24 | 16.24 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | 5.00 |
| 9. R/S of embankment along Buridehing from Jokai R/S. to A.T. Road (Extension of Tengkhath Bund) | 37.53 | - | 37.55 | 37.53 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | 2.20 |
| 10. R/S. of Desang bund L/B. from Desangmukh to Akhophutia. | 25.64 | - | 20.33 | 20.33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | 5.00 |

Contd....

| 1. | 2. | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|-----|--|-------|------|-------|------|------|------|------|----|----|----|
| 4. | R/S. of M/E along D/B of
Bagladiya, from Kgyra to
Dijulihat (The...II) | 3.27 | - | 3.27 | - | - | - | - | - | - | - |
| 5. | R/S. of Mo ridhal Dyke
from Saruka charignon to
Sissikalghar. (3rd R/S). | 0.50 | - | 0.50 | - | - | - | - | - | - | - |
| 6. | R/S. of Brahmaputra dyke
from Jagimukh to Naamati
(Ph-II) | 0.20 | - | 0.20 | - | - | - | - | - | - | - |
| 7. | R/S. of Dibrugarh Pro -
tection bund from Majj-
ing an to Mohonghat.
(Brahmaputra Dyke) | 0.51 | - | 0.51 | - | - | - | - | - | - | - |
| | | 10.36 | - | 10.36 | - | - | - | - | - | - | - |
| | (Taken up in 1970-71.) | | | | | | | | | | |
| 8. | R/S. of Ruthimari embankment
L/B from Jambol to its outfall | 2.20 | 5.00 | 2.20 | 5.00 | 0.80 | - | 0.80 | - | - | - |
| 9. | R/S of embankment along Buri-
dehing from Jekal R/S. to A.T.
Road (Extension of Tangkhat Bund) | 2.20 | - | 2.20 | - | - | - | - | - | - | - |
| 10. | R/S of Desang bund L/B.
from Besangmukh to
Akhoipatia. | 5.00 | - | 5.00 | 0.30 | - | 0.30 | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|---|---------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 11. R/S. of Nonoi embankment from M.P.K. Road to Railway Line (Fn-II) | 37.91 | - | 31.26 | 31.26 | - | - | - | - | - | - | - | - | - |
| 12. R/S of M/E along B/B of Pagladiya from G.K. A11 to R.D. Road | 15.24 | - | 13.24 | 13.24 | - | - | - | - | - | - | - | - | - |
| 13. R/S. of M/E, along B/B of Ruthimari from Daramboi to Hajo-Nalbari P.W.D. Road (1960-70) | 29.28 | - | 15.01 | 15.01 | - | - | - | - | - | - | - | - | - |
| 14. R/S. of Pagladiya embankment L/D from Adabari to Disutimakh | 9.55 | - | 5.49 | 5.49 | - | - | - | - | - | - | - | - | - |
| TOTAL | 171.97 | - | 139.00 | 139.00 | - | - | - | - | - | Y | - | - | - |

TAKE UP IN 1970-71 BY B.F.G.C.:

15. R/S. of Brahmaputra dyke from Mamguri to Kharoi outfall (Retirement portion at Lohitakh).

3.84

4.60

4.60

TOTAL

-

3.84

4.60

4.60

TAKEN UP IN 1971-72 R/S. OF EXISTING.R/S. OF BRAHMAPUTRA DYKE (NORTH BANK)

16. R/S. of Brahmaputra dyke from Rangamati to Kurua-

131.06

50.00

50.00

17. R/S. of Brahmaputra dyke from Tekaliputa to Haldibari

12.00

12.00

12.00

TOTAL

X-

| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|--------------------------|----------|--------------|--------------|----------|--------------|-------------|----------|-------------|----------|----------|----------|----------|
| 11. R/S. of Nonoi embankment from M.P.K. Road to Railway Line (Ph-II) | 5.00 | - | 5.00 | 5.00 | - | 5.00 | 0.30 | - | 0.30 | - | - | - | - |
| 12. R/S. of M/E along D/B of Pagladiya from G.K. Ali R. D. Road | 1.46 | - | 1.46 | 1.46 | - | 1.46 | - | - | - | - | - | - | - |
| 13. R/S of M/E along D/B of Ruthimari from Baramboi to Hajo-Nalbari P.W.D. Road (1960-70) | 5.00
22.22 | - | 5.00 | 5.00 | - | 5.00 | 0.30 | - | 0.30 | - | - | - | - |
| 14. R/S of Pagladiya embankment L/B from Adabari to Disutimakh | 3.00 | - | 3.00 | 3.00 | - | 3.00 | 0.30 | - | 0.30 | - | - | - | - |
| TOTAL :- | 26.66 | - | 26.66 | 26.66 | - | 26.66 | 2.20 | - | 2.20 | - | - | - | - |
| Taken up in 1970-71 by B.F.C.C. | | | | | | | | | | | | | |
| 15. R/S of Brahmaputra dyke from Jamiguri to Khahoi outfall (Retirement portion at Lohitmakh). | 1.00
5.62 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - |
| Total | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - |

TAKEN UP IN 1971-72 R/S OF EXISTING.

R/S OF BRAHMAPUTRA DYKE (NORTH BANK).

| | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|---|-------|-------|---|---|---|---|
| 16. R/S. of Brahmaputra dyke from Rangamati to Kurua- | 5.00 | 5.80 | 8.80 | 3.00 | 5.80 | 8.80 | - | 40.00 | 40.00 | - | - | - | - |
| 17. R/S of Brahmaputra dyke from Tekeliphuta to Haldibari | 2.00 | 4.00 | 6.00 | 2.00 | 4.00 | 6.00 | - | 5.70 | 5.70 | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|--------|----|-------|-------|----|----|----|----|-----|-----|-----|-----|-----|
| 1. Strengthening Brahmaputra dyke from Senarighat to Sissikalghat. | 5.00 | = | 5.00 | 5.00 | = | = | = | = | = | = | = | = | = |
| TOTAL | 148.06 | = | 67.00 | 67.00 | = | = | = | = | = | = | = | = | = |
| <u>R/S OF BRAHMAPUTRA DYKE (SOUTH BANK)</u> | | | | | | | | | | | | | |
| 1. R/S of Brahmaputra dyke from Palashbari to Guni | 36.94 | = | 7.40 | 7.40 | = | = | = | = | = | = | = | = | = |
| 2. R/S of Brahmaputra dyke from Rangagarut to Nagheroting. | 32.92 | = | 25.00 | 25.00 | = | = | = | = | = | = | = | = | = |
| 2. R/S of Brahmaputra dyke from Dhing to Hiloikdunda P.h. - I. | 11.30 | = | 4.30 | 4.30 | = | Y | = | = | = | = | = | = | = |
| TOTAL | 81.25 | = | 36.70 | 36.70 | = | = | = | = | = | U | = | = | = |
| <u>R/S OF BRAHMAPUTRA TRIBUTARY DYKE :-</u> | | | | | | | | | | | | | |
| 22. R/S of Depota Embankment | 21.40 | = | 5.30 | 5.30 | = | = | = | = | = | = | = | = | = |
| 23. R/S of embankment of left Bank of Marachalkhowa | 1.10 | = | 1.40 | 1.40 | = | = | = | = | = | = | = | = | = |
| 24. R/S of Subansiri Dyke from Ihimpara to Nosli | 82.99 | = | 30.02 | 30.02 | = | = | = | = | = | = | = | = | = |
| 25. R/S of Jhanji embankment | 56.92 | = | 15.00 | 15.00 | = | = | = | = | = | = | = | = | = |
| 26. R/S of Desang bund on both bank | 219.95 | = | 40.00 | 40.00 | = | = | = | = | = | = | = | = | = |

| | 15. | 16. | 17. | 18. | 19. | 20. | 21. | 22. | 23. | 24. | 25. | 26. | 27. |
|--|-------------|--------------|--------------|-------------|--------------|--------------|----------|--------------|--------------|----------|----------|----------|----------|
| 18. Strengthening Brahmaputra dyke from Sonarignat to Sissikaighat | 1.50 | 0.50 | 2.00 | 1.50 | 0.50 | 2.00 | - | 2.84 | 2.84 | - | - | - | - |
| TOTAL :- | 6.50 | 10.40 | 16.80 | 6.50 | 10.30 | 16.80 | - | 48.54 | 48.54 | - | - | - | - |

R/S OF BRAHMAPUTRA DYKE(SOUTH BANK)

| | | | | | | | | | | | | | |
|---|-------------|-------------|--------------|-------------|-------------|--------------|-------------|--------------|--------------|----------|----------|----------|----------|
| 19. R/S of Brahmaputra dyke from Pasashbari to Guni | 4.00 | - | 4.00 | 4.00 | - | 4.00 | 5.00 | - | 3.00 | - | - | - | - |
| 20. R/S of Brahmaputra dyke from Rangagtharato Neghereting. | 3.00 | 9.60 | 12.60 | 3.00 | 9.60 | 12.66 | - | 12.00 | 12.00 | - | - | - | - |
| 21. R/S of Brahmaputra dyke from Dhing to Hiloikhunda Ph-I. | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 2.00 | - | 2.00 | - | - | - | - |
| TOTAL | 9.00 | 9.60 | 18.60 | 9.00 | 9.60 | 18.60 | 5.00 | 12.00 | 17.00 | - | - | - | - |

R/S OF BRAHMAPUTRA TRIBUTARY DYKE:-

| | | | | | | | | | | | | | |
|---|------|-------|-------|------|-------|-------|------|-------|-------|---|---|---|---|
| 22. R/S of Depota Embankment | 3.00 | - | 5.00 | 3.00 | - | 3.00 | 2.00 | - | 2.00 | - | - | - | - |
| 23. R/S of embankment of left Bank of Marachalkhowa | 0.30 | 0.60 | 0.96 | 0.30 | 0.60 | 0.90 | - | 0.50 | 0.50 | - | - | - | - |
| 24. R/S of Subansiri dyke from Bhimpara to Nosli | 0.30 | 10.00 | 10.30 | 0.30 | 10.00 | 10.30 | - | 19.70 | 19.70 | - | - | - | - |
| 25. R/S of Jhanji embankment | 4.70 | 5.10 | 9.80 | 4.70 | 5.10 | 9.80 | - | 5.00 | 5.00 | - | - | - | - |
| 26. R/S of Desang bund on both bank. | 5.00 | 14.60 | 19.60 | 5.00 | 14.60 | 19.60 | - | 20.00 | 20.00 | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|---------|---|--------|----|--------|--------|----|----|----|-----|-----|-----|-----|-----|
| 27. | R/S of Mianow land on both bank. | 154.32 | - | 40.00 | 40.00 | - | - | - | - | - | - | - | - |
| 28. | R/S of Juridening land. | 274.98 | - | 40.00 | 40.00 | - | - | - | - | - | - | - | - |
| 29. | R/S of Juridening from Chippibasti to Mollonggaon. | 10.00 | - | 10.00 | 10.00 | - | - | - | - | - | - | - | - |
| 30. | R/S of Kollong embankment on left bank from Bhakatgaon to Italiajan (20 K.M) | 25.00 | - | 25.00 | 25.00 | - | - | - | - | - | - | - | - |
| 31. | Improvement of embankment along Nonoi from Kurubbahi to Telelisora (Nowgong). | 6.00 | - | 2.58 | 2.38 | - | - | - | - | - | - | - | - |
| T O A L | | 852.66 | - | 209.10 | 209.10 | - | - | - | - | - | - | - | - |

Contd...R-14

| 1. | 2. | 15. | 16. | 17. | 18. | 19. | 20. | 21. | 22. | 23. | 24. | 25. | 26. | 27. |
|-------|---|-------|-------|-------|-------|-------|-------|------|--------|--------|-----|-----|-----|-----|
| 27. | R/S of Dikhow bund on both bank. | 5.00 | 14.00 | 19.00 | 5.00 | 14.00 | 19.00 | - | 20.60 | 20.60 | - | - | - | - |
| 28. | R/S of Buridahing bund | 5.00 | 10.60 | 15.60 | 5.00 | 10.60 | 15.60 | -7 | 24.00 | 24.00 | - | - | - | - |
| 29. | R/S of Buridehing from Chippabasti to Mollonggaon | 1.00 | 4.00 | 5.00 | 1.00 | 4.00 | 5.00 | - | 5.00 | 5.00 | - | - | - | - |
| 30. | R/S of Kollong embankment on left bank from Bhakatgaon to Italiajan (20 K.M.) | 7.00 | 4.00 | 11.00 | 7.00 | 4.00 | 11.00 | - | 14.00 | 14.00 | - | - | - | - |
| 31. | Improvement of embankment along Nonoi from Kurabahi to Tetelisora (Nowgong). | 1.26 | - | 1.26 | 1.26 | - | 1.26 | 1.00 | - | 1.00 | - | - | - | - |
| TOTAL | | 32.56 | 68.90 | 95.46 | 52.56 | 62.90 | 95.46 | 3.00 | 108.80 | 111.80 | = | = | = | = |

Contd...R-14.

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|---|----|----|------|------|----|----|----|-----|-----|-----|-----|-----|
| <u>SCHEMES TAKEN UP IN 1972-73:</u> | | | | | | | | | | | | | |
| 1. | R/S of N.E. along left bank of 55.03 -
Puthimari from Mukaldanga to
B.G. Railway Line. | | | 8.00 | 8.00 | - | - | - | - | - | - | - | - |
| 2. | R/S of M.E. along right bank of 37.50 -
puthimari from Habibari to (Ch-
andhibari) to B.G. Railway line | | | 5.00 | 5.00 | - | - | - | - | - | - | - | - |
| 3. | R/S. of Joknisuk bund Brahmaputra 27.63 -
Dyke Phase - II. | | | 3.00 | 3.00 | - | - | - | - | - | - | - | - |
| 4. | R/S of Brahmaputra from Sil- 37.51 -
ghat to Dhing (from Ch. 27.0 K.M.
to 28.75 K.M., 29.9 K.M. to 36.52
K.M. of main Dyke and Ch. 6 N. to
6.4 K.M. of Haldiasuti) | | | 4.00 | 4.00 | - | - | - | - | - | - | - | - |
| 5. | R/S of Brahmaputra Dyke from 36.51 -
Silghat to Dhing (from Ch. 20.0
K.M. to 27.0 K.M. and 52.77 K.M.
to 59.4 K.M) | | | 4.00 | 4.00 | - | - | - | - | - | - | - | - |
| 6. | R/S of Saikhowa Protection Bund 11.42 -
Phase-II. | | | 3.00 | 3.00 | - | - | - | - | - | - | - | - |
| 7. | R/S of flood embankment along left
bank of Kollong/Bhakatgaon to 13.58 -
Ganesh Hill. | | | 2.00 | 2.00 | - | - | - | - | - | - | - | - |
| <u>SCHEMES PROPOSED TO BE TAKEN UP IN 1972-1973.</u> | | | | | | | | | | | | | |
| 8. | R/S. of Brahmaputra Dyke from Ja-
muguri to Koarai out-fall. 5.84 - | | | 1.10 | 1.10 | - | - | - | - | - | - | - | - |
| 9. | R/S of flood embankment along 19.79 -
left bank of Kollong river from
Ganesh Hill to Bortilla Hill. | | | 2.10 | 2.10 | - | - | - | - | - | - | - | - |

| 1 | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|--|------|----|------|------|----|------|------|----|------|----|----|----|----|
| <u>SCHEMES TAKEN UP IN 1972-1973.</u> | | | | | | | | | | | | | | |
| 1. | R/S. of M.E. along Left bank of Puthimari from Mukaldanga to B.G. Railway line. | 5.00 | - | 5.00 | 5.00 | - | 5.00 | 3.00 | - | 3.60 | - | - | - | - |
| 2. | R/S. of M.E. along right bank of Puthimari from Habibari to Chandhibari) to B.G. Railway Line. | 3.00 | - | 3.00 | 3.00 | - | 3.00 | 2.00 | - | 2.00 | - | - | - | - |
| 3. | R/S of Jokaisuk bund Brahmaputra Dyke Phase -II. | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 1.00 | - | 1.00 | - | - | - | - |
| 4. | R/S of Brahmaputra from Silghat to Dhing (from Ch. 27.0 K.M. to 28.75 K.M., 29.9 K.M. to 36.52 K.M. of main Dyke and Ch. 6 K.M. to 6.4 K.M. of Haldiasuti) | 3.00 | - | 3.00 | 3.00 | - | 3.00 | 1.00 | - | 1.00 | - | - | - | - |
| 5. | R/S of Brahmaputra Dyke from Silghat to Dhing (from Ch. 20.0 K.M. to 27.0 K.M. and 52.77 K.M. to 59.4 K.M.) | 3.00 | - | 3.00 | 3.00 | - | 3.00 | 1.00 | - | 1.00 | - | - | - | - |
| 6. | R/S of Saikhowa protection Bund Phase II. | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 1.00 | - | 1.00 | - | - | - | - |
| 7. | R/S of flood embankment along left bank of Kollong/Bhakatgaon to Ganesh Hill. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 1.00 | - | 1.00 | - | - | - | - |
| <u>SCHEMES PROPOSED TO BE TAKEN UP IN 1972-1973.</u> | | | | | | | | | | | | | | |
| 8. | R/S. of Brahmaputra Dyke from Jamaguri to Kharia out-fall. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - |
| 9. | R/S of flood embankment along left bank of kollong river from Ganesh Hill to Bortilla Hill. | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 0.10 | - | 0.10 | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|----------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 10. R/S of Brahmaputra Dyke from
Laibcal to Tongaponi. | 24.44 | - | 1.10 | 1.10 | - | - | - | - | - | - | - | - | - |
| 11. R/S Brahmaputra Dyke from
Biswanath to Panpur
(Ch. 5000 M to 24400 M). | 22.53 | - | 1.10 | 1.10 | - | - | - | - | - | - | - | - | - |
| TOTAL :- | 289.58 | = | 34.40 | 34.40 | = | = | = | = | = | = | = | = | = |
| GRAND TOTAL :- | 1795.45 | = | 720.95 | 720.95 | = | = | = | = | = | = | = | = | = |

X-X-X-X-X-X

S/N.

Contd..P-26

| 1. | 2. | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|----|--------------------------|-------|--------|--------|-------|--------|-------|--------|--------|----|----|----|----|
| 10. R/S of Brahmaputra Dyke from
Laibcal to Tengapani. | | 15.18
1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - |
| 11. R/S Brahmaputra Dyke from
Diswanath to Panpur
(Ch. 5000 M. to 24400M.) | | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - |
| TOTAL | | 24.00 | = | 24.00 | 24.00 | = | 24.00 | 10.40 | = | 10.40 | = | = | = | = |
| GRAND TOTAL :- | | 110.08 | 82.80 | 192.88 | 110.08 | 82.80 | 192.88 | 20.50 | 169.34 | 109.84 | = | = | = | = |

x-x-x-x-x-x

S/N.

Contd...R-16.

Annual Plan for 1973-74.

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|----|---------------|----|---------------|---------------|----|----|----|-----|-----|-----|-----|-----|
| <u>II. NEW EMBANKMENT:</u> | | | | | | | | | | | | | |
| <u>(SCHEME TAKEN UP IN 1969-70)</u> | | | | | | | | | | | | | |
| 1. Construction of Brahmaputra dyke from Tegapani to Desangmukh Ph-I. | | 47.00 | - | 43.80 | 43.80 | - | - | - | - | - | - | - | - |
| 2. Construction of dyke along left bank of Subansiri from 10th to 21st Mile of abandoned P.W.D. P.G.H. Road. | | 71.77 | - | 71.09 | 71.09 | - | - | - | - | - | - | - | - |
| 3. Consturction of Dekrong. | | 5.44 | - | 5.44 | 5.44 | - | - | - | - | - | - | - | - |
| 4. Flood protection Khaliramari area from Singmalijan. Ph-I | | 4.68 | - | 16.45 | 16.45 | - | - | - | - | - | - | - | - |
| 5. Const. of Brahmaputra dyke from Kutiaphuta Check bund to Ron-gagora-Neghereting bund. | | 17.36 | - | 17.36 | 17.36 | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | | <u>162.72</u> | | <u>154.14</u> | <u>154.14</u> | | | | | | | | |
| <u>K. (SCHEMES TAKEN UP IN 1970-71):</u> | | | | | | | | | | | | | |
| 6. Const. of embankment along left bank of Kollong from Ganeshjuri to Digarumukh. | | 10.00 | - | 10.00 | 10.00 | - | - | - | - | - | - | - | - |
| 7. Const. of Brahmaputra dyke from Kazironga R.F. to Dhklupathor | | 34.27 | - | 30.12 | 30.12 | - | - | - | - | - | - | - | - |

1 2 15 16 17 18 19 20 21 22 23 24 25 26 27

III. NEW EMBANKMENT :
(SCHEME TAKEN UP IN 1969-70):

| | | | | | | | | | | | | | |
|--|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|---|---|---|---|
| 1. Consturction of Brammaputra dyke from Tagapani to Desangmukh Ph.I. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.50 | - | 0.50 | - | - | - | - |
| 2. Construction of dyke along left bank of Sushisiri from 19th to 21st mile of abandoned P.W.D. P.G.H.H. Road. | 5.00 | - | 5.00 | 5.00 | - | 5.00 | 1.50 | - | 1.50 | - | - | - | - |
| 3. Consturction of Dekrong. | 0.27 | - | 0.27 | 0.27 | - | 0.27 | - | - | - | - | - | - | - |
| 4. Flood protection Khaliramari area from Singmalijan. Ph.I. Pg. II | 2.00 | 5.00 | 7.00 | 2.00 | 5.00 | 7.00 | - | 5.23 | 5.23 | - | - | - | - |
| 5. Consturction of Brahmaputra dyke from Khutiaphuta check bund to Rongagora-Negherating bund. | 0.75 | - | 0.75 | 0.75 | - | 0.75 | - | - | - | - | - | - | - |
| TOTAL :- | 9.02 | 5.00 | 14.02 | 9.02 | 5.00 | 14.02 | 7.00 | 5.23 | 7.23 | - | - | - | - |

(SCHEME TAKEN UP IN 1970-71)

| | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|---|------|------|---|---|---|---|
| 6. Const. of embankment along left bank of Kollong from Ganeshjuri to Digarumukh. | 2.21 | - | 2.21 | 2.21 | - | 2.21 | - | - | - | - | - | - | - |
| 7. Const. of Brahmaputra dyke from Kazironga R.F. to Dhikupathor | 3.00 | 4.30 | 7.30 | 3.00 | 4.30 | 7.30 | - | 2.85 | 2.85 | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|---------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 8. Construction of embankment along left bank of Saralbhanga from Patgaon to upstream. | 13.28 | - | 14.18 | 14.18 | - | - | - | - | - | - | - | - | - |
| 9. Consturction dyke on Desang right bank from Patesaku to Nagalmora. | 9.79 | - | 9.79 | 9.79 | - | - | - | - | - | - | - | - | - |
| 10. Construction of M/E along right bank of Bheleangi from Gajia-Gehiridapur to Kadang-Sobindapur. | 11.06 | - | 11.06 | 11.06 | - | - | - | - | - | - | - | - | - |
| 11. Extension of embankment along both bank o f Nona from Gh. 'C'7 of the existing embankment to G.K.Ali | 19.28 | - | 13.80 | 13.80 | - | - | - | - | - | - | - | - | - |
| 12. Construction of embankment along both banks of Durpong. | 5.17 | - | 6.92 | 6.92 | - | - | - | - | - | - | - | - | - |
| 13. Constuction of embankment along bboth bank of Pachumora from Rupahighat to Kathalmari-ghat. | 7.98 | - | 7.98 | 7.98 | - | - | - | - | - | - | - | - | - |
| 14. Construction of embankment along left bank of Kurorjar from P.W.D. Raod to Nakhanda Bridge. | 12.00 | - | 6.90 | 6.90 | 7 | - | - | - | - | - | - | - | - |
| 15. Extension of M/E. along Manas from Santoshpur Hatchera. | 11.52 | - | 6.81 | 6.81 | - | - | - | - | - | - | - | - | - |
| TOTAL | 134.35 | - | 117.56 | 117.56 | - | - | - | - | - | - | - | - | - |

~~XXXXXXXXXX~~

| | 1 | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|---|---|--------------|-------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|----|----|----|----|
| 8. Construction of embankment along left bank of Saralibarga from Patgion to Upstream. | | | 1.56 | - | 1.36 | 1.36 | - | 1.56 | - | - | - | - | - | - | - |
| 9. Construction of dyke on Deang right bank from Patbaka to Nagalmora. | | | 2.00 | - | 2.00 | 2.00 | - | 2.00 | - | - | - | - | - | - | - |
| 10. Construction of M/E along right bank of Bhelengi from Patbaka to Nagalmora Gajia-Gobindapur to Kadong-Gobindapur. | | | 3.00 | - | 3.00 | 3.00 | - | 3.00 | - | - | - | - | - | - | - |
| 11. Extension of embankment along both bank of No na from Ch. 0.7 of the existing embankment to G.K.Ali. | | | 5.00 | - | 5.00 | 5.00 | - | 5.00 | - | - | 0.30 | - | - | - | - |
| 12. Construction of embankment along both banks of Durpong. | | | 0.50 | - | 0.50 | 0.50 | - | 0.50 | - | - | - | - | - | - | - |
| 13. Construction of embankment along both bank of Pahumora from Rupahighat to Kathalmari-ghat. | | | 3.24 | - | 3.24 | 3.24 | - | 3.24 | - | - | - | - | - | - | - |
| 14. Construction of embankment along left bank of Kukorjar from P.W.D.Road to Nakhanda Bridge. | | | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.50 | - | 0.30 | - | - | - | - |
| 15. Extension of M/E along Manas from Santoshpur Hatchera | | | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 0.50 | - | 0.30 | - | - | - | - |
| TOTAL | | | 23.55 | 4.30 | 27.61 | 23.31 | 4.30 | 27.61 | 1.40 | 2.85 | 4.25 | | | | |

(SCHEMES TAKEN UP IN 1970-71 B.F.C.C.):

| | | | | | | | | | | | | | |
|--------------|--|---------------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 16. | Construction of retirement dykes from Desangmukh to Dikhomukh including raising and Strengthening. | 88.10 | 87.55 | 87.55 | - | - | - | - | - | - | - | - | - |
| 17. | Construction of retirement of Brahmaputra Dyke from Tezpur to Gabharumukh in the reach from Doparbitiya to Dipota. | 14.83 | 14.83 | 14.83 | - | - | - | - | - | - | - | - | - |
| 18. | Construction of embankment along Kaloo river at Mankachar (Construction of ring band at Ghograpar.) | 27.52 | 10.45 | 10.45 | - | - | - | - | - | - | - | - | - |
| 19. | Retirement of Brahmaputra dyke near Lehi Donga. | 24.40 | 24.40 | 24.40 | - | - | - | - | - | - | - | - | - |
| 20. | Retirement of Brahmaputra dyke at Lowpara. | 4.54 | 5.00 | 5.00 | - | - | - | - | - | - | - | - | - |
| 21. | Retirement of Brahmaputra dyke from Kharuza to Fakirganj | 18.20 | 18.20 | 18.20 | - | - | - | - | - | - | - | - | - |
| TOTAL | | 177.59 | 160.43 | 160.43 | - | - | - | - | - | - | - | - | - |

| | 1. | 2. | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|------|--------------|-------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|----|----|----|----|----|
| <u>(SCHEMES TAKEN UP IN 1970-71 BY B.F.C.C.)</u> | | | | | | | | | | | | | | | |
| 16. Construction of retirement dykes from Desangmukh to Dekhow mukh including raising and strengthening. | | 19.55 | - | 19.55 | 19.55 | - | 19.55 | - | - | - | - | - | - | - | - |
| 17. Construction of retirement of Brahmaputra dyke from Tezpur to Cabharumukh in the reach from Deparbatiya to Dipota. | | 3.83 | - | 3.83 | 3.83 | - | 3.83 | - | - | - | - | - | - | - | - |
| 18. Construction of embankment along Kaloo river at Mankachar (Construction of ring bond at Ghograpar.) | | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 2.45 | - | 2.45 | - | - | - | - | - |
| 19. Retirement of Brahmaputra dyke near Lehi Donga. | 1.00 | 4.40 | 5.40 | 1.00 | 4.40 | 5.40 | - | 2.00 | 2.00 | - | - | - | - | - | - |
| 20. Retirement of Brahmaputra dyke at Lowpara. | 2.00 | 2.00 | 2.00 | 2.00 | - | 2.00 | - | - | - | - | - | - | - | - | - |
| 21. Retirement of Brahmaputra Dyke from Kharmaza to Fakirganj. | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | - | 1.20 | 1.20 | - | - | - | - | - | - |
| TOTAL | | 28.53 | 6.40 | 34.78 | 28.33 | 6.40 | 34.78 | 2.45 | 3.20 | 5.65 | | | | | |

| | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|---|---------------|----------|--------------------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>WORKS PROPOSED TO BE TAKEN UP IN 1971-72.</u> | | | | | | | | | | | | |
| 22. Retirement of embankment
of Engladaya river | 25.00 | - | 2.00 | 2.00 | - | - | - | - | - | - | - | - |
| 23. Extension of embankment
along Saralbhanga. | 12.00 | - | 12.00 | 12.00 | - | - | - | - | - | - | - | - |
| 24. Extension of R/D from
Ranganati to Kurua | 10.00 | - | 10.00
1.50 | 1.50 | - | - | - | - | - | - | - | - |
| 25. Extension Nonoi embankment | 10.00 | - | 2.18 | 2.18 | - | - | - | - | - | - | - | - |
| 26. Extension of Hajo-Suti
Embankment. | 5.00 | - | 1.00 | 1.00 | - | - | - | - | - | - | - | - |
| 27. Morabharali dyke | 15.00 | - | 15.12 | 15.12 | - | - | - | - | - | - | - | - |
| 28. Retirement of Ranganati
dyke R/D of 2.K.M. | 2.00 | - | 1.65 | 1.65 | - | - | - | - | - | - | - | - |
| 29. Construction of embankment
along R/D of killing from
G.K.T.E. to killing Kopilli
Panchoi-Junction. | 23.61 | - | 5.32 | 5.32 | - | - | - | - | - | - | - | - |
| 30. Embankment along left bank of
Brahmaputra from Dhing to
Hiloikhunda Ph.II. | 135.29 | - | 60.37 | 60.37 | - | - | - | - | - | - | - | - |
| 31. Construction of Brahma-
putra main tributary dyke
along R/B of Kollong river from
Matigorh P.W.D. Road to Gobar-
dhan Hill. | 38.89 | - | 1.00 | 1.00 | - | - | - | - | - | - | - | - |
| TOTAL | 276.79 | - | 102.26 | 102.26 | - | - | - | - | - | - | - | - |

| 1. | 2. | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|--|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|----|----|----|----|
| <u>(SCHEMES PROPOSED TO BE TAKEN UP IN 1971-72)</u> | | | | | | | | | | | | | | |
| 22. | Retirement of embankment of Pagladitya river. | 25.00 | - | 1.00 | 1.00 | - | 1.00 | 1.00 | - | 1.00 | - | - | - | - |
| 23. | Extension of embankment along Saralbhanga. | 1.00
12.00 | 5.92 | 6.92 | 1.00 | 5.92 | 6.92 | - | 5.00 | 5.00 | - | - | - | - |
| 24. | Extension of B/D from Rangamati to Kurua | 0.50 | - | 0.50 | 0.50 | - | 0.50 | 1.00 | - | 1.00 | - | - | - | - |
| 25. | Extension Nonoi embankment | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 1.00 | - | 1.00 | - | - | - | - |
| 26. | Extension of Hajo-Suti-embankment. | 0.50 | - | 0.50 | 0.50 | - | 0.50 | 0.50 | - | 1.00 | - | - | - | - |
| 27. | Morabharali dyke | 2.00 | 4.00 | 6.00 | 2.00 | 4.00 | 6.00 | - | 8.92 | 8.92 | - | - | - | - |
| 28. | Retirement of Rangamati dyke R/B of 2 K.M. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.50 | 1.40 | 1.64 | - | - | - | - |
| 29. | Construction of embankment along R/B of killing from G.K.T.E. to killing Kipilli Ranchoi-Junction. | 2.00 | 2.00 | 4.00 | 2.00 | 2.00 | 4.00 | - | - | - | - | - | - | - |
| 30. | Embankment along left bank of Brahmaputra from Dting to Hiloikhunda Ph.II. | 55.00 | 11.63 | 16.63 | 5.00 | 11.63 | 16.63 | - | 43.46 | 43.46 | - | - | - | - |
| 31. | Construction of Brahmaputra main tributary dyke along R/B of Kollong river from Matigorh P.W.D.Road to Gobardhan Hill. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 1.00 | - | 1.00 | - | - | - | - |
| TOTAL | | 15.00 | 25.55 | 38.55 | 15.00 | 23.55 | 38.55 | 5.00 | 58.52 | 63.52 | | | | |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|-------|----|-------|-------|----|----|----|----|-----|-----|-----|-----|-----|
| <u>SCHEMES TAKEN UP IN 1972-73</u> | | | | | | | | | | | | | |
| 1. Retirement of embankment along Subansiri at 23 K.M. | 44.51 | - | 32.00 | 32.00 | - | - | - | - | - | - | - | - | - |
| 2. Retirement of embankment along Subansiri at 16K.M. | 15.15 | - | 11.50 | 11.50 | - | - | - | - | - | - | - | - | - |
| 3. Retirement of embankment along Subansiri at 9K.M. | 16.55 | - | 11.50 | 11.50 | - | - | - | - | - | - | - | - | - |
| 4. Filling the gap in Futhimari embankment R/B from Habibari to Gandhibari. | 20.65 | - | 2.00 | 2.00 | - | - | - | - | - | - | - | - | - |
| 5. Construction of retirement at Lowpara (1972) | 16.91 | - | 10.37 | 10.37 | - | - | - | - | - | - | - | - | - |
| 6. Retirement of Kumatia Embankment at 4 K.M. to 6 K.M., L/B | 6.32 | - | 3.10 | 3.10 | - | - | - | - | - | - | - | - | - |
| 7. Retirement of 6 E.M. of Dhasiri $\frac{1}{2}$ L/B embankment from A.T. Road to Morihola 1972. | 16.68 | - | 3.00 | 3.00 | - | - | - | - | - | - | - | - | - |
| 8. Extension of existing Pakirganj South Salmara road cum embankment from South Salmara to Barikandi village to close the Bagla Channel. | 10.32 | - | 3.00 | 3.00 | - | - | - | - | - | - | - | - | - |

| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|------|------|-------|------|------|-------|------|-------|-------|----|----|----|----|
| (SCHEME TAKEN UP IN 1972-73.) | | | | | | | | | | | | | |
| 1. Retirement of embankment along Subansiri at 23KM. | 5.00 | 9.00 | 14.00 | 5.00 | 9.00 | 14.00 | - | 18.00 | 18.00 | - | - | - | - |
| 2. Retirement of embankment along Subansiri at 16 KM. | 3.00 | 8.00 | 8.00 | 3.00 | 5.00 | 8.00 | - | 3.50 | 3.50 | - | - | - | - |
| 5. Retirement of embankment along Su ansiri at 9K.M. | 3.00 | 5.00 | 8.00 | 3.00 | 5.00 | 8.00 | - | 3.50 | 3.50 | - | - | - | - |
| 4. Filling the gap in Buthimari embankment R/B from Habibari to Gandhibari | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 1.00 | - | 1.00 | - | - | - | - |
| 5. Construction of retirement at Lowpara (1972) | 9.37 | - | 9.37 | 9.37 | - | 9.37 | 1.00 | - | 1.00 | - | - | - | - |
| 6. Retirement of Kumatia embankment 4 K.M. to 6 K.M. L/B. | 2.00 | 1.00 | 3.00 | 2.00 | 1.00 | 3.00 | - | 0.10 | 0.10 | - | - | - | - |
| 7. Retirement of 6 KM. of Dhansiri L/B embankment from A.T.Road to Moriahola 1972. | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 2.00 | - | 1.00 | - | - | - | - |
| 3. Extension of existing Fakirganj South Salmara road cum embankment from South Slamara to Barikandi village to close the Pagla Chammel. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 2.00 | - | 2.00 | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|----|----------------|----|---------------|---------------|----|----|----|-----|-----|-----|-----|-----|
| 7. Retirement at Gainadi | | 12.74 | - | 4.00 | 4.00 | - | - | - | - | - | - | - | - |
| <u>SCHEMES PROPOSED TO BE TAKEN UP IN 1972-73</u> | | | | | | | | | | | | | |
| 10. Retirement at Lohitmukh | | 3.90 | - | 1.10 | 1.10 | - | - | - | - | - | - | - | - |
| 11. Construction of Brahmaputra dyke at Salmara with Protection works. | | 15.00 | - | 10.00 | 10.00 | - | - | - | - | - | - | - | - |
| 12. Construction of Brahmaputra dyke from Tengapani to Desargmukh Ph. II. | | 47.00 | - | 3.10 | 3.10 | - | - | - | - | - | - | - | - |
| 13. Retirement of Kumatia embankment from N.T. Road R/B at 16 K.M. | | 10.34 | - | 4.30 | 4.30 | - | - | - | - | - | - | - | - |
| 14. Retirement of Kumatia embankment from N.T. Road to 12 K.M. R/ B. | | 11.75 | - | 1.10 | 1.10 | - | - | - | - | - | - | - | - |
| 15. Extension of existing embankment on R/B of Aio River from Rajghuli to N.H. 31 upwards. | | 18.77 | - | 1.10 | 1.10 | - | - | - | - | - | - | - | - |
| 16. Construction of Bhakuri Chapari Dehing ring bund from Ahempathar to Miri Pathar. | | 7.45 | - | 1.10 | 1.10 | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | | <u>274.04</u> | | <u>105.57</u> | <u>105.57</u> | | | | | | | | |
| <u>GRAND TOTAL :-</u> | | <u>1025.49</u> | | <u>640.57</u> | <u>640.57</u> | | | | | | | | |

| | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|--|---------------|--------------|---------------|---------------|--------------|---------------|--------------|---------------|---------------|--------------|----------|----------|----------|----------|
| Retirement at Goinadi | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 2.00 | - | 2.00 | - | - | - | - | - |
| <u>SCHEMES PROPOSED TO BE TAKEN UP IN 1972-73</u> | | | | | | | | | | | | | | |
| Retirement at Lohitukh. | 3.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - | - |
| 1. Construction of Brahmaputra dyke at Salmara with protection works. | 3.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | - | 6.36 | 6.00 | - | - | - | - | - |
| 2. Construction of Brahmaputra dyke from Tengapani to De-sangmukh Ph.II. | 3.00 | - | 3.00 | 3.00 | - | 3.00 | 0.10 | - | 0.50 | - | - | - | - | - |
| 3. Retirement of Kumatia embankment from N.T. Road R/B at 16 K.M. | 3.00 | 1.30 | 4.30 | 3.00 | 1.30 | 4.30 | - | 0.10 | 0.10 | - | - | - | - | - |
| 4. Retirement of Kumatia embankment from N.T. Road to 12K.M. R/B. | 3.00 | 1.20 | 4.20 | 3.00 | 1.20 | 4.20 | - | 0.10 | 0.10 | - | - | - | - | - |
| 5. Extension of existing embankment on R/D of Aio river from Rajaguli to N.H.31 upwards. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - | - |
| 6. Construction of Bhakuri Chapari Dehing ring bund from Ahompathar to Miri Pathar. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | 0.10 | - | - | - | - | - |
| TOTAL | 18.00 | 43.37 | 23.50 | 66.87 | 43.87 | 23.50 | 66.87 | 7.40 | 31.30 | 38.70 | - | - | - | - |
| GRAND TOTAL | 119.08 | 62.75 | 181.83 | 123.24 | 62.75 | 190.77 | 18.25 | 101.10 | 119.35 | - | - | - | - | - |

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.

River Training.

| | | | | | | | | | | | | | |
|--|--------------|---|--------------|--------------|---|---|---|---|---|---|---|---|---|
| 1. Bottom panning experiment of Alikash and Dharapur. | 150 | - | 1.71 | 1.71 | - | - | - | - | - | - | - | - | - |
| 2. Training of Kukerjan and revival of Setrang. | 7.59 | - | 7.75 | 7.75 | - | - | - | - | - | - | - | - | - |
| TOTAL | 8.89 | - | 9.46 | 9.46 | - | - | - | - | - | - | - | - | - |
| 3. (TAKEN UP IN 1970-71) | | | | | | | | | | | | | |
| 1. Training of Pagladiya river (Protection of bank from erosion of river Pagladiya) 9 Sites. | 41.53 | - | 41.53 | 41.53 | - | - | - | - | - | - | - | - | - |
| 2. Training of Puthimari river (Protection of bank from erosion of river Puthimari) | 25.00 | - | 25.00 | 25.00 | - | - | - | - | - | - | - | - | - |
| TOTAL | 66.53 | - | 66.53 | 66.53 | - | - | - | - | - | - | - | - | - |

(Taken up in 1971-72):

| | | | | | | | | | | | | | |
|--|-------------|---|-------------|-------------|---|---|---|---|---|---|---|---|---|
| 1. Closing the moutn of the diverted spill channel of Mara-Pagladiya right bank. | 0.91 | - | 0.91 | 0.91 | - | - | - | - | - | - | - | - | - |
| TOTAL | 0.91 | - | 0.91 | 0.91 | - | - | - | - | - | - | - | - | - |

| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|-------------|----------|-------------|-------------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|
| <u>River Training.</u> | | | | | | | | | | | | | |
| 1. Bottom Fanning experiment of Alikash and Dharapur. | 0.20 | - | 0.20 | 0.20 | - | 0.20 | - | - | - | - | - | - | - |
| 2. Training of Kukerjan and revival of Satrong. | 0.50 | - | 0.50 | 0.50 | - | 0.50 | - | - | - | - | - | - | - |
| TOTAL :- | 0.70 | - | 0.70 | 0.70 | - | 0.70 | - | - | - | - | - | - | - |

Taken up in 1970-71.

| | | | | | | | | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|----------|-------------|-------------|----------|----------|----------|----------|
| 1. Training of Pagladiya river (Protection of bank from erosion of river Pagladiya 9 sites.) | 5.00 | 4.53 | 9.53 | 5.00 | 4.53 | 9.00 | - | 4.00 | 4.00 | - | - | - | - |
| 2. Training of Puthimari river (Protection of bank from erosion of river Puthimari) | 5.00 | 6.00 | 11.00 | 5.00 | 6.00 | 11.00 | - | 5.00 | 5.00 | - | - | - | - |
| TOTAL :- | 10.00 | 10.53 | 20.53 | 10.00 | 10.53 | 20.53 | - | 9.00 | 9.00 | - | - | - | - |

(Taken up in 1971-72)

| | | | | | | | | | | | | | |
|--|-------------|----------|-------------|-------------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|
| 1. Closing the mouth of the diverted spill channel of Mara-Pagladiya right bank. | 0.11 | - | 0.11 | 0.11 | - | 0.11 | - | - | - | - | - | - | - |
| TOTAL :- | 0.11 | - | 0.11 | 0.11 | - | 0.11 | - | - | - | - | - | - | - |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--|---------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>IV. RIVER TRAINING AND DREDGING:</u> | | | | | | | | | | | | | |
| 1. Training of Subansiri river | 100.00 | - | 10.30 | 10.30 | - | - | - | - | - | - | - | - | - |
| 2. Training of Jadhah and Kumatiya river system. | 200.00 | - | 20.00 | 20.00 | - | - | - | - | - | - | - | - | - |
| 3. Dredging. | 90.00 | - | 5.40 | 5.40 | - | - | - | - | - | - | - | - | - |
| TOTAL :- | 390.00 | - | 35.70 | 35.70 | - | - | - | - | - | - | - | - | - |
| GRAND TOTAL :- | 466.53 | - | 112.60 | 112.60 | - | - | - | - | - | - | - | - | - |

4

III. PROTECTION WORKS.(SCHEMES TAKEN UP IN 1969-70)

| | | | | | | | | | | | | | |
|--|---------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1. Protection of Brahmaputra dyke left bank at Alikash from erosion of river Brahmaputra. | 35.50 | - | 33.50 | 33.50 | - | - | - | - | - | - | - | - | - |
| 2. Protection of Helna State Dispensary and its adjoining areas from erosion of Kaldiya river. | 1.03 | - | 2.13 | 1.13 | - | - | - | - | - | - | - | - | - |
| 3. Protection of Kokilamukh area from erosion of river Brahmaputra. | 233.00 | - | 211.27 | 211.27 | - | - | - | - | - | - | - | - | - |
| 4. Protection of Kusibali area in Hatchora Mouza from erosion of river Dikhow | 27.30 | - | 27.33 | 27.33 | - | - | - | - | - | - | - | - | - |
| 5. Protection of Simaluguri Town erosion of river Dikhow. | 27.51 | - | 27.51 | 27.51 | - | - | - | - | - | - | - | - | - |
| TOTAL :- | 512.64 | - | 300.54 | 300.54 | - | - | - | - | - | - | - | - | - |

| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|--------------|--------------|--------------|--------------|-------------|--------------|-------------|--------------|--------------|----------|----------|----------|----------|
| <u>IV. RIVER TRAINING AND DREDGES:</u> | | | | | | | | | | | | | |
| 1. Training of Subansiri river | 9.00 | - | 9.00 | 9.00 | - | 9.00 | 0.10 | - | 0.10 | - | - | - | - |
| 2. Training of Jadhah and Kumatiya river system | 5.00 | 4.90 | 19.90 | 5.00 | 4.90 | 19.90 | - | 8.00 | 8.00 | - | - | - | - |
| 3. Dredging. | 4.00 | - | 4.00 | 4.00 | - | 4.00 | 0.90 | - | 0.90 | - | - | - | - |
| TOTAL :- | 18.00 | 4.90 | 22.90 | 18.00 | 4.90 | 22.90 | 1.00 | 8.00 | 9.00 | - | - | - | - |
| GRAND TOTAL :- | 28.81 | 15.43 | 44.24 | - | - | - | 1.00 | 17.00 | 18.00 | - | - | - | - |

III. PROTECTION WORKS
(SCHEMES TAKEN UP IN 1969-70):

| | | | | | | | | | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|----------|----------|----------|
| 1. Protection of Brahmaputra dyke left bank at Alikash from erosion or river Brahmaputra. | 1.26 | - | 1.26 | 1.26 | - | 1.26 | - | - | - | - | - | - | - |
| 2. Protection of Helna State Dispensary and its adjoining areas from erosion of Kaldiya river. | 0.10 | - | 0.10 | 0.10 | - | 0.10 | - | - | - | - | - | - | - |
| 3. Protection of Kokilamukh area from erosion of river Brahmaputra. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | - | - | - | - | - | - | - |
| 4. Protection of Kusibali area in Hatchora Mouza from erosion of river Dikhow. | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.45 | - | 0.45 | - | - | - | - |
| 5. Protection of Simaluguri Town erosion of river Dikhow. | 2.31 | 2.00 | 4.31 | 2.51 | 2.00 | 4.31 | - | 1.51 | 1.51 | - | - | - | - |
| TOTAL :- | 5.67 | 2.90 | 7.67 | 5.67 | 2.00 | 7.67 | 0.45 | 1.51 | 1.96 | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--------------------------------------|---|---------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>(SCHEMES TAKEN UP IN 1970-71)</u> | | | | | | | | | | | | | |
| 6. | Extension of Dibrugarh
Protection works stream of
Morigaon Stone Spur. | 23.08 | - | 23.08 | 23.08 | - | - | - | - | - | - | - | - |
| 7. | Protection of Dibri Town
from erosion of river
Brahmaputra. | 152.13 | - | 148.63 | 148.63 | - | - | - | - | - | - | - | - |
| 8. | Extension of Diswanath
Town protection works from
erosion of river Brahmaputra. | 2.37 | - | 2.37 | 2.37 | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | | <u>177.58</u> | <u>-</u> | <u>174.03</u> | <u>174.03</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |

(SCHEME TAKEN UP IN 1970-71 BY D.F.C.D.):

| | | | | | | | | | | | | | |
|-----------------|--|--------------|----------|--------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 9. | Improvement of existing
Dibrugarh Town protection works
(further strengthening
of Dibrugarh from Protection
works) | 31.32 | - | 31.32 | 31.32 | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | | <u>31.32</u> | <u>-</u> | <u>31.32</u> | <u>31.32</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |

PROTECTION WORKS(SCHEMES PROPOSED TO BE TAKEN UP IN 1970-71)

| | | | | | | | | | | | | | |
|----|--------------------------------|-------|---|------|------|---|---|---|---|---|---|---|---|
| 1. | Protection work at Bhatipara | 5.00 | - | 0.30 | 0.30 | - | - | - | - | - | - | - | - |
| 2. | Protection work at Chandrapur. | 10.00 | - | 0.30 | 0.30 | - | - | - | - | - | - | - | - |

| 1. | 2. | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|--|-------------|----------|-------------|-------------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|
| <u>(SCHEMES TAKEN UP IN 1970-71):</u> | | | | | | | | | | | | | |
| 6. Extension of Dibrugarh Protection works stream of Morigaon Stone Spur. | 5.17 | - | 5.17 | 5.17 | - | 5.17 | - | - | - | - | - | - | - |
| 7. Protection of Dhubri Town from erosion of river Brahmaputra. | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8. Extension of Biswanath Town Protection works from erosion of river Brahmaputra. | 0.37 | - | 0.37 | 0.37 | - | 0.37 | - | - | - | - | - | - | - |
| TOTAL :- | 5.54 | - | 5.54 | 5.54 | - | 5.54 | - | - | - | - | - | - | - |

(SCHEMES TAKEN UP IN 1970-71 BY D.F.C.C.):

| | | | | | | | | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|----------|-------------|-------------|----------|----------|----------|----------|
| 9. Improvement of existing Dibrugarh Town Protection works (further strengthening of Dibrugarh from protection works) | 5.32 | 2.00 | 5.32 | 5.32 | 2.00 | 5.32 | - | 1.00 | 1.00 | - | - | - | - |
| TOTAL :- | 5.32 | 2.00 | 5.32 | 5.32 | 2.00 | 5.32 | - | 1.00 | 1.00 | - | - | - | - |

PROTECTION WORKS

1. (SCHEMES PROPOSED TO BE TAKEN UP IN 1970-71):

| | | | | | | | | | |
|-----------------------------------|------|---|------|------|---|------|------|-----------------|------|
| 1. Protection work at Bhatipara | 0.20 | - | 0.20 | 0.20 | - | 0.20 | 0.10 | 0.10 | 0.10 |
| 2. Protection work at Chandrapur. | 0.20 | - | 0.20 | 0.20 | - | 0.20 | 0.10 | - | 0.10 |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|---------------|----------|---------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 3. Protection work at Mangaldoi | 5.00 | - | 0.68 | 0.68 | - | - | - | - | - | - | - | - | - |
| 4. Protection of Ranganadi embankment by timer spurs at different sites. | 30.00 | - | 30.00 | 30.00 | - | - | - | - | - | - | - | - | - |
| 5. Protection work at Kamrup | 15.00 | - | 0.30 | 0.30 | - | - | - | - | - | - | - | - | - |
| 6. Protection work at Jamunamukh | 15.00 | - | 0.30 | 0.30 | - | - | - | - | - | - | - | - | - |
| 7. Flood protection of Debitola Area from Godadhar river | 40.00 | - | 6.50 | 6.50 | - | - | - | - | - | - | - | - | - |
| 8. Protection of Dibrugarh Town (further works). | 100.00 | - | 11.35 | 11.35 | - | - | - | - | - | - | - | - | - |
| TOTAL :- | 220.00 | - | 49.73 | 49.73 | - | - | - | - | - | - | - | - | - |
| SCHEMES TAKEN UP IN 1972-73: | | | | | | | | | | | | | |
| 1. Protection of Sapatgram town from erosion of river Gangia | 4.60 | - | 1.43 | 1.43 | - | - | - | - | - | - | - | - | - |
| 2. Protection work at Chaparmukh | 11.42 | - | 10.00 | 10.00 | - | - | - | - | - | - | - | - | - |
| 3. Further Strengthening of Dibrugarh Protection works 1972-73 (Strengthening of pile spur). | 8.62 | - | 8.62 | 8.62 | - | - | - | - | - | - | - | - | - |
| 4. Dhubri Protection works (Pile spur). | 112.43 | - | 112.07 | 112.07 | - | - | - | - | - | - | - | - | - |
| 5. (SCHEMES PROPOSED TO BE TAKEN UP IN 1972-73) | | | | | | | | | | | | | |
| 5. Protection works at Fakirganj | 11.75 | - | 0.60 | 0.60 | - | - | - | - | - | - | - | - | - |
| TOTAL :- | 148.82 | - | 142.12 | 142.12 | - | - | - | - | - | - | - | - | - |
| GRAND TOTAL :- | 390.56 | - | 693.79 | 693.79 | - | - | - | - | - | - | - | - | - |

| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|----|----|----|----|
| 4. Protection work at Mangaldoi | 0.50 | - | 0.50 | 0.50 | - | 0.50 | 0.10 | - | 0.10 | - | - | - | - |
| 4. Protection of Ranganadi embankment by timber spurs at different sites. | 2.00 | 13.00 | 15.00 | 2.00 | 13.00 | 15.00 | - | 14.79 | 14.70 | - | - | - | - |
| 5. Protection work at Kamrup | 0.20 | - | 0.20 | 0.20 | - | 0.20 | 0.10 | - | 0.10 | - | - | - | - |
| 6. Protection work at Mamunamukh | 0.20 | - | 0.20 | 0.20 | - | 0.20 | 0.10 | - | 0.10 | - | - | - | - |
| 7. Flood protection of Debitala area from Godadhar river. | 5.00 | - | 5.00 | 5.00 | - | 5.00 | 1.00 | - | 1.00 | - | - | - | - |
| 8. Protection of Dibrugarh Town (further works) | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 | 3.00 | - | 7.33 | 7.33 | - | - | - | - |
| TOTAL :- | 10.30 | 15.00 | 24.30 | 9.30 | 15.00 | 22.50 | 21.50 | 22.03 | 23.53 | | | | |

SCHMES TAKEN UP IN 1972-73 -

| | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|------|-------|-------|---|---|---|---|
| 1. Protection of Sapatgram town from erosion of river-Gangia | 0.43 | - | 0.43 | 0.43 | - | 0.43 | 1.00 | - | 1.00 | - | - | - | - |
| 2. Protection work at Chaparmukh | 6.00 | 3.50 | 9.50 | 6.00 | 3.50 | 9.50 | - | 0.50 | 0.50 | - | - | - | - |
| 3. Further strengthening of Dibrugarh protection works 1972-73 (strengthening of Pile spur). | 5.00 | 4.00 | 7.00 | 3.00 | 4.00 | 7.00 | - | 1.62 | 1.62 | - | - | - | - |
| 4. Dhubri Protection works (Pile Spur): | 10.00 | 55.00 | 65.00 | 10.00 | 55.00 | 65.00 | - | 57.07 | 57.07 | - | - | - | - |

SCHMES PROPOSED TO BE TAKEN UP IN 1972-73.

| | | | | | | | | | | | | | |
|----------------------------------|--------------|--------------|---------------|------|---|------|-------------|--------------|--------------|---|---|---|---|
| 5. Protection works at Fakirganj | 0.50 | - | 0.50 | 0.50 | - | 0.50 | 0.10 | - | 0.10 | - | - | - | - |
| TOTAL :- | 19.93 | 62.50 | 82.33 | | | | 1.10 | 59.19 | 60.20 | | | | |
| GRAND TOTAL :- | 43.76 | 81.50 | 125.26 | | | | 3.05 | 83.73 | 86.78 | | | | |

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|--|----|-------------|----------|-------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| II. SLUICES | | | | | | | | | | | | | | |
| (SCHEMES TAKEN UP IN 1970-71): | | | | | | | | | | | | | | |
| 1. Kalmani Sluice on the right bank of Baralia. | | 5.00 | - | 5.10 | 5.10 | - | - | - | - | - | - | - | - | - |
| 2. Improvement of paddy field in Thakurkuchi area by providing sluice at Khamrongajan. | | 4.36 | - | 4.56 | 4.36 | - | - | - | - | - | - | - | - | - |
| TOTAL | | 9.36 | - | 9.46 | 9.46 | - | - | - | - | - | - | - | - | - |

~~x-x-x-x-x-x-x~~

Contd...R-27.

1. 2. 15 16 17 18 19 20 21 22 23 24 25 26 27

VI. SLUICES:
(SCHEMES TAKEN UP IN 1970-71):

| | | | | | | | | | | | | | | |
|---|-----------------|-----------------|-------------|-------------|----------|-------------|-------------|----------|-------------|----------|----------|----------|----------|----------|
| 1. Kalmani Sluice on the right bank of Brahma. | 0.73 | 0.52 | 0.73 | 0.73 | - | 0.73 | 0.10 | - | 0.10 | - | - | - | - | - |
| | 5.12 | 5.12 | | | | | | | | | | | | |
| 2. Improvement of paddy field in Thakurkuchi area by providing sluice at Khamongajan. | 1.23 | - | 1.23 | 1.23 | - | 1.23 | - | - | - | - | - | - | - | - |
| TOTAL | 1.96 | - | 1.96 | 1.96 | - | 1.96 | 0.10 | - | 0.10 | - | - | - | - | - |

~~XXXXXXXX~~

SLICES: (Schemes Proposed to taken up in 1971-72)

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|---|--------|----|-------|-------|----|----|----|----|-----|-----|-----|-----|-----|
| 1. Two Sluices in Nomati
embankment. | 10.00 | - | 10.00 | 10.00 | - | - | - | - | - | - | - | - | - |
| 2. Sluices in Brahmaputra
dyke from Silghat to Dhing
(4Nos) | 20.00 | - | 20.00 | 20.00 | - | - | - | - | - | - | - | - | - |
| 3. Providing sluices in embankment
from Rola to Jogi (4Nos) | 12.00 | - | 12.00 | 12.00 | - | - | - | - | - | - | - | - | - |
| 4. Providing sluices in Kopilli
embankment (5Nos) | 20.00 | - | 20.00 | 20.00 | - | - | - | - | - | - | - | - | - |
| 5. Providing sluices in
Disutimukh area. | 40.00 | - | 5.00 | 5.00 | - | - | - | - | - | - | - | - | - |
| <u>* Scheme take up in 1972-73</u> | | | | | | | | | | | | | |
| 6. Reconstruction of Tokolajan Sluice | 5.00 | - | 3.10 | 3.10 | - | - | - | - | - | - | - | - | - |
| <u>7. Schemes proposed to be taken up in 1972-73</u> | | | | | | | | | | | | | |
| 7. Providing sluice on Ghogra. | 5.00 | - | 3.10 | 3.10 | - | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | 10.00 | - | 8.10 | 8.10 | - | - | - | - | - | - | - | - | - |
| <u>GRAND TOTAL :-</u> | 121.36 | - | 84.56 | 84.56 | - | - | - | - | - | - | - | - | - |
| <u>T O T A L :-</u> | 102.00 | - | 67.00 | 67.00 | - | - | - | - | - | - | - | - | - |

VII. SURVEY AND INVESTIGATION:

(SCHEME TAKEN UP IN 1970-71)

| | | | | | | | | | | | | | |
|--|-------|---|-------|-------|---|---|---|---|---|---|---|---|---|
| 1. Hydrographic survey of
river Brahmaputra (Inv) | 13.39 | - | 13.39 | 13.39 | - | - | - | - | - | - | - | - | - |
| 2. Aerial Photography of the Brah-
maputra Valley (Investigation) | 17.00 | - | 17.00 | 17.00 | - | - | - | - | - | - | - | - | - |
| <u>TOTAL</u> | 31.39 | - | 30.39 | 30.39 | - | - | - | - | - | - | - | - | - |

SLUICES: (Schemes proposed to be taken up in 1971-72):

| | 1 | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 25 | 24 | 25 | 26 | 27 |
|--|--------------|--------------|--------------|-------------|----------|-------------|-------------|--------------|--------------|-------------|----------|----------|----------|----------|----------|
| 1. Two Sluices in Nomati embankment. | 2.00 | 2.65 | 4.65 | 2.00 | 2.65 | 4.65 | - | 5.00 | 5.00 | - | - | - | - | - | - |
| 2. Sluices in Brahmaputra dyke from Silghat to Dhing (4 Nos) | 2.00 | 3.00 | 5.00 | 2.00 | 3.00 | 5.00 | - | 14.85 | 15.00 | - | - | - | - | - | - |
| 3. Providing sluices in embankment from Rola to Jogi (4 Nos) | 1.00 | 3.00 | 4.00 | 1.00 | 3.00 | 4.00 | - | 7.95 | 7.95 | - | - | - | - | - | - |
| 4. Providing sluices in Kopilli embankment (5Nos) | 1.00 | 4.00 | 5.00 | 1.00 | 4.00 | 5.00 | - | 14.95 | 14.95 | - | - | - | - | - | - |
| 5. Providing sluices in Dusitimukh area. | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 3.00 | - | - | 3.00 | - | - | - | - | - |
| | 8.00 | 15.65 | 20.65 | 8.00 | 12.65 | 20.65 | 3.00 | 42.85 | 45.75 | - | - | - | - | - | - |
| <u>Schemes taken up in 1972-73).</u> | | | | | | | | | | | | | | | |
| 6. Reconstruction of Tokolajan sluice | 4.00 | - | 4.00 | 4.00 | - | 4.00 | 1.00 | - | - | 1.00 | - | - | - | - | - |
| <u>7. Schemes proposed to be taken up in 1973-74</u> | | | | | | | | | | | | | | | |
| 7. Providing sluice on Ghogra. | 3.00 | - | 3.00 | 3.00 | - | 3.00 | 0.10 | - | - | 0.10 | - | - | - | - | - |
| TOTAL :- | 7.00 | - | 7.00 | 7.00 | - | 7.00 | 1.10 | - | - | 1.10 | - | - | - | - | - |
| GRAND TOTAL :- | 16.96 | 12.65 | 29.61 | - | - | - | 4.20 | 42.75 | 46.95 | - | - | - | - | - | - |

EX VII. SURVEY AND INVESTIGATION:
(SCHEMES TAKEN UP IN 1970-71 BY)

| | | | | | | | | | | | | | | | |
|---|------|---|------|------|---|------|------|---|---|------|---|---|---|---|---|
| 1. Hydrographic survey of river Brahmaputra (inv) | 1.39 | - | 1.39 | 1.39 | - | 1.39 | - | - | - | - | - | - | - | - | - |
| 2. Aerial Photography of the Brahmaputra valley (investigation) | 4.00 | - | 4.00 | 4.00 | - | 4.00 | 3.00 | - | - | 3.00 | - | - | - | - | - |
| | 5.39 | - | 5.39 | 5.39 | - | 5.39 | 3.00 | - | - | 3.00 | - | - | - | - | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|-------------------------------------|--|-------------|----------|-------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>(SCHEME TAKEN UP IN 1971-72)</u> | | | | | | | | | | | | | |
| 3. | Cost of C.I. Sheet roffing over the relief of model of Brahmaputta at Pasishtha. | 0.35 | - | 0.35 | - | - | - | - | - | - | - | - | - |
| 4. | Procurement of equipment for soil laboratory at Burnihat for 1971-72. | 0.84 | - | 0.84 | 0.84 | - | - | - | - | - | - | - | - |
| 5. | Survey for extension of Aie embankment for Dakhinagar to Pahragaon (up to Railway line). | 0.03 | - | 0.03 | 0.04 | - | - | - | - | - | - | - | - |
| 6. | Survey for proposed embankment along Gadadhar river from Taraghat to Devitola. | 0.02 | - | 0.04 | 0.04 | - | - | - | - | - | - | - | - |
| 7. | Survey for proposed Mora Bharali Scheme. | 0.09 | - | 0.11 | 0.11 | - | - | - | - | - | - | - | - |
| <u>TOTAL</u> | | <u>1.34</u> | <u>-</u> | <u>1.58</u> | <u>1.38</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |

8 to 7

Contd..P-29

| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|--------------|--------------|--------------|--------------|----------|--------------|--------------|--------------|--------------|----------|----------|----------|----------|
| <u>SCHEMES TAKEN UP IN 1972-73</u> | | | | | | | | | | | | | |
| 5. Purchase of equipment for earth work both for excavation and compaction trucks, dumpers etc. | 5.00 | - | 5.00 | 5.00 | - | 5.00 | 10.50 | - | 10.50 | - | - | - | - |
| <u>SCHEMES PROPOSED TO BE TAKEN UP IN 1972-73</u> | | | | | | | | | | | | | |
| 6. Construction of temporary arrangement of R.h. Station at Basistha or Burnihat. | 0.40 | - | 0.40 | 0.40 | - | 0.40 | 0.10 | - | 0.10 | - | - | - | - |
| 7. Laying model of Brahmaputra . | 0.30 | - | 0.30 | 0.30 | - | 0.30 | 0.10 | - | 0.10 | - | - | - | - |
| 8. Setting up of mechanical organisation. | 2.00 | - | 2.00 | 2.00 | - | 2.00 | 0.10 | - | 0.10 | - | - | - | - |
| 9. Lump provision for new schemes. | 6.00 | - | 6.00 | 6.00 | - | 6.00 | 0.10 | - | 0.10 | - | - | - | - |
| <u>TOTAL</u> | <u>13.70</u> | <u>-</u> | <u>13.70</u> | <u>13.70</u> | <u>-</u> | <u>13.70</u> | <u>10.90</u> | <u>-</u> | <u>10.90</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| <u>GRAND TOTAL</u> | <u>37.12</u> | <u>15.00</u> | <u>52.12</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>14.90</u> | <u>45.30</u> | <u>60.20</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|---|---------------|----|--------------|--------------|----|----|----|----|----|-----|-----|-----|-----|-----|
| <u>INVESTIGATION, SURVEY AND RESEARCH</u>
(SCHEMES PROPOSED TO TAKEN UP IN
1971-1972) | | | | | | | | | | | | | | |
| 1. Research | 25.00 | - | 4.00 | 4.00 | - | - | - | - | - | - | - | - | - | - |
| 2. Investigation for Dam | 20.00 | - | 20.00 | 20.00 | - | - | - | - | - | - | - | - | - | - |
| 3. Metrological observation. | 11.60 | - | 6.60 | 6.60 | - | - | - | - | - | - | - | - | - | - |
| 4. Scismological observation. | 4.00 | - | 3.40 | 3.40 | - | - | - | - | - | - | - | - | - | - |
| 5. Investigation and Survey for
other Schemes. | 10.00 | - | 0.94 | 0.94 | - | - | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | <u>70.00</u> | - | <u>34.04</u> | <u>34.04</u> | - | - | - | - | - | - | - | - | - | - |
| XXXXXXXX | | | | | | | | | | | | | | |
| <u>SCHEMES TAKEN UP IN 1972-73.</u> | | | | | | | | | | | | | | |
| 1. Survey for the tributaries
of Brahmaputra for prepara-
tion of Master Plan. | 28.08 | - | 21.00 | 21.00 | - | - | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | <u>28.08</u> | - | <u>21.00</u> | <u>21.00</u> | - | - | - | - | - | - | - | - | - | - |
| <u>GRAND TOTAL :-</u> | <u>130.81</u> | - | <u>87.71</u> | <u>87.71</u> | - | - | - | - | - | - | - | - | - | - |
| <u>XI. MISCELLANEOUS (SCHEMES PROPOSED
TAKEN UP IN 1971-72):</u> | | | | | | | | | | | | | | |
| 1. Construction of Commission
Building. | 10.00 | - | 6.15 | 6.15 | - | - | - | - | - | - | - | - | - | - |
| 2. Setting up of work-shop | 25.00 | - | 25.00 | 25.00 | - | - | - | - | - | - | - | - | - | - |
| 3. Un-foreseen emergent work | 200.00 | - | 50.00 | 50.00 | - | - | - | - | - | - | - | - | - | - |
| 4. Payment of Arrear L.A. of old
Schemes. | 100.00 | - | 11.02 | 11.02 | - | - | - | - | - | - | - | - | - | - |
| <u>TOTAL :-</u> | <u>335.00</u> | - | <u>92.17</u> | <u>92.17</u> | - | - | - | - | - | - | - | - | - | - |

| 1. | 2. | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|---|----|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|----|----|----|----|
| INVESTIGATION, SURVEY AND RESEARCH; (SCHEMES PROPOSED TO TAKEN UP IN 1971-72) | | | | | | | | | | | | | | |
| 1. Research | | 3.00 | 0.50 | 3.50 | 3.00 | 0.50 | 3.50 | - | 0.10 | 0.10 | - | - | - | - |
| 2. Investigation for Dam | | 3.00 | 7.00 | 10.00 | 3.00 | 7.00 | 10.00 | - | 9.80 | 9.80 | - | - | - | - |
| 3. Metrological observation : | | 2.00 | 0.50 | 2.50 | 2.00 | 0.50 | 2.50 | - | 4.00 | 4.00 | - | - | - | - |
| 4. Scismological observation | | 1.00 | 0.50 | 1.50 | 1.00 | 0.50 | 1.50 | - | 1.88 | 1.88 | - | - | - | - |
| 5. Investigation and Survey for other schemes | | 0.50 | - | 0.50 | 0.50 | - | 0.50 | 0.34 | - | 0.34 | - | - | - | - |
| TOTAL :- | | 9.50 | 8.50 | 18.00 | 9.50 | 8.50 | 22.50 | 0.34 | 15.78 | 16.12 | - | - | - | - |
| SCHEMES TAKEN UP IN 1972-73 | | | | | | | | | | | | | | |
| *. Survey for the tributaries of Brahmaputra for Preparation of Master Plan. | | 6.00 | 4.00 | 10.00 | 6.00 | 4.00 | 10.00 | - | 11.00 | 11.00 | - | - | - | - |
| TOTAL :- | | 6.00 | 4.00 | 10.00 | 6.00 | 4.00 | 10.00 | - | 11.00 | 11.00 | - | - | - | - |
| GRAND TOTAL :- | | 21.07 | 12.50 | 33.57 | | | | 3.34 | 26.78 | 30.12 | - | - | - | - |
| XI. MISCELLANEOUS (SCHEMES PROPOSED TAKEN UP IN 1971-72): | | | | | | | | | | | | | | |
| 1. Construction of Commission Building. | | 4.00 | - | 4.00 | 4.00 | - | 4.00 | 2.00 | - | 2.00 | - | - | - | - |
| 2. Setting up of work-shop. | | 2.00 | 10.00 | 12.00 | 2.00 | 10.00 | 12.00 | - | 12.50 | 12.50 | - | - | - | - |
| | | 10.00 | 5.00 | 15.00 | 10.00 | 5.00 | 15.00 | - | 32.80 | 32.80 | - | - | - | - |
| 3. Un-foreseen emergent work | | 7.42 | - | 7.42 | 7.42 | - | 7.42 | 2.00 | - | 2.00 | - | - | - | - |
| 4. Payment of Arrear L.A. of old schemes. | | 7.42 | - | 7.42 | 7.42 | - | 7.42 | 2.00 | - | 2.00 | - | - | - | - |
| TOTAL :- | | 23.42 | 15.00 | 38.42 | 23.42 | 15.00 | 38.42 | 4.00 | 45.30 | 49.30 | - | - | - | - |

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.

SCHEME PROPOSED TO BE TAKEN
UP IN 1972-73.

| | | | | | | | | | | | | | |
|--|------|---|------|------|---|---|---|---|---|---|---|---|---|
| 1. Drainage of water logaroe in
No rth East of Sapekhathi Rai-
lway Station. | 1.34 | - | 1.10 | 1.10 | - | - | - | - | - | - | - | - | - |
|--|------|---|------|------|---|---|---|---|---|---|---|---|---|

TOTAL 1.34 1.10 1.10 = = = = = = =

Contd...R-32.

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | 16. | 17. | 18. | 19. | 20. | 21. | 22. | 23. | 24. | |
|--|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|------|---|
| <u>SCHEMES PROPOSED TO BE TAKEN UP IN 1972-1973.</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Drainage of water logaroa in North East of Sapekhati Railway Station. | | | | | | | | | | | | | | | 1.00 | - | 1.00 | 1.00 | - | 1.00 | 0.10 | - | | 0.10 | - |
| <u>TOTAL</u> | | | | | | | | | | | | | | | 5 | 1.00 | | 1.00 | 1.00 | | 1.00 | 0.10 | | 0.10 | |

Contd...R-32.

ANNUAL PLAN FOR 1973-74.
PHYSICAL TARGETS AND ACHIEVEMENTS.

STATEMENT VII.

| No. | Item | Unit | Achievement. | | | | | | | 1973-74.
Proposed target. | |
|-----|--------------------------------------|----------|----------------------------------|--------------------------|---------|---------|---------|-------------------|--------------|------------------------------|----------------------------|
| | | | Achievement
1968-69
Target | Fourth
Plan
Target | 1969-70 | 1970-71 | 1971-72 | 1972-73
Target | Anticipated. | | |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. |
| 1. | Raising and strengthening. | K.M. | - | 856 KM. | 98 KM. | 230 KM | 290 KM. | 142 KM. | 142 KM. | - | 96 KM. |
| 2. | New embankment. | K.M. | - | 228 KM. | 6 KM. | 74 KM. | 59 KM. | 48 KM. | 48 KM. | - | 41 KM. |
| 3. | Sluices | Nos. | - | 19 Nos. | - | 2 Nos. | 5 Nos. | - | - | - | 12 KM. |
| 4. | River training and dredging. | Nos. | - | 2 Nos. | 2 Nos. | 2 Nos. | 1 No. | 2 Nos. | 2 Nos. | - | - |
| 5. | Town protection works | Nos. | - | 18 Nos. | 5 Nos. | 5 Nos. | 5 Nos. | - | - | - | 5 Nos.
No.
L. Scheme |
| 6. | Investigation, Survey and Research. | Schemes | - | 13 Nos. | - | 2 Nos. | 5 Nos. | 5 KM. | 5 Sch | - | - |
| 7. | Miscellaneous (including unforeseen) | Schemes. | - | 2 Nos. | - | - | 2 Nos. | 2 KM. | 2 Nos. | - | 5 Nos. |
| 8. | Drainage Scheme. | Schemes. | - | 1 No. Scheme | - | - | - | - | - | - | 1 Nos
Scheme. |

STATEMENT-VII

CENTRALLY SPONSORED SCHEMES (NON-PLAN)
DRAFT ANNUAL PLAN 1973-74 SCHEME WISE OUTLAY AND EXPENDITURE.

(State-Assam)

| Sl.No. | Name of Scheme | Fourth plan
outlay in
1969-70 | Actual Expenditure. | | | 1972-73 | | 1973-74 | | Capital |
|--------|--|-------------------------------------|---------------------|---------|---------|---------|----------------------------|--------------------|--------|---------|
| | | | 1969-70 | 1970-71 | 1971-72 | Outlay | Anticipated
expenditure | Proposed
outlay | | |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | |
| 1. | Study of the flood-
hydrology
of Brahmaputra
Basin. | 98 Lakhs. | - | - | - | 25.78 | 25.78 | 14.413 | 14.413 | |

Contd.....R-34

CENTRALLY SPONSORED SCHEMES
DRAFT ANNUAL PLAN 1973-74 SCHEMES PHYSICAL TARGET AND ACHIEVEMENTS.

STATEMENT -VIII.

STATE: : ASSAM)

| Sl. No. | Name of Scheme | Unit | Fourth plan
in targets
in 1969-74 | ACHIEVEMENTS. | | | 1972-73 | | 1973-74 | |
|---------|----------------|------|---|---------------|---------|---------|-----------|-----------------------------|----------|----------|
| | | | | 1969-70 | 1970-71 | 1971-72 | Proposed. | Anticipated
Achievement. | Proposed | Capital. |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. |

1. Study of flood hydrology of river Brahmaputra. - This is study of the flood hydrology of Brahmaputra Basin which is to be made on the basis of the Date already collected and proposed to be collected. The study and collection of Date is in progress.
-

Contd. R-35.

Name of the State-Assam.

ANNUAL PLAN 1973-74.

Outlay and expenditure on Flood control Sector (Barak Valley)

| Sl. No. | Name of Scheme. | Estimated Cost. | Expdr. to end of 3/69 | 4th Plan Outlay | Expdr. 69/70 | Expdr. 70/71 | Expdr. 71-72 | Anticipated Expenditure 73-73 | Proposed Expenditure for 73-74. |
|----------------------|--------------------------------------|-----------------|-----------------------|-----------------|--------------|--------------|--------------|-------------------------------|---------------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
| <u>FLOOD CONTROL</u> | | | | | | | | | |
| | Continuing schemes. | 421.32 | 257.31 | 164.00 | 29.15 | 45.00 | 22.06 | 26.61 | 56.15 |
| <u>NEW SCHEMES.</u> | | | | | | | | | |
| 1. | Marginal embankment. | 220.07 | Nil | 110.00 | 8.00 | 9.00 | 15.00 | 8.59 | 70.01 |
| 2. | R/S. of dykes. | | Nil. | 75.00 | 10.00 | 8.00 | 8.00 | 10.00 | 39.00 |
| 3. | Protection of towns and river works. | - | Nil. | 26.00 | 1.00 | 2.00 | 3.00 | 5.00 | 15.00 |
| 4. | Drainage scheme. | - | Nil. | 15.00 | Nil | Nil | 2.00 | 2.00 | 3.00 |
| 5. | Sluices etc. | - | Nil. | 20.00 | 2.00 | 2.00 | 6.00 | 4.00 | 4.00 |
| 6. | Raised platform | - | Nil. | 5.00 | - | - | - | 1.00 | 1.59 |
| 7. | Barak Dam (advance action) | - | - | 5.00 | - | - | - | - | - |
| 8. | Investigation of F.G. Dams | - | - | 10.00 | - | 2.00 | 4.00 | 2.00 | 2.00 |
| 9. | Investigation, Survey and research. | - | - | 20.00 | 3.00 | 2.00 | 5.00 | 5.00 | 5.00 |
| | | | | | | | | Fixed. | |
| <u>TOTAL</u> | | | 257.31 | 450.00 | 53.15 | 70.00 | 65.06 | 64.00 | 175.85 |

Name of the State :- Assam.

ANNUAL PLAN 1973-74.
(Schemewise details) of outlays
and expenditure.

FLOOD CONTROL (Barak Valley)

| Sl. No. | Name of Scheme. | Latest estimate cost | Expdr. to end of 68-69 | 4th Plan total outlay | Expdr. 69-70 Actual | Expdr. 70-71 | Expdr. 1971-72 | 1972-73 Anticipated | Outlay Proposed. |
|---------|-----------------|----------------------|------------------------|-----------------------|---------------------|--------------|----------------|---------------------|------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |

FLOOD CONTROLA. CONTINUING SCHEMES.1. MARGINAL EMBANKMENTS :-

| | | | | | | | | | |
|----|---|-------|-------|------|------|------|------|------|------|
| 1. | Const. of dyke along L/B of Madhura from Kakkhior Horil T.E. to outfall of Barak. | 3.43 | 3.31 | 0.12 | Nil | - | 0.12 | - | - |
| 2. | Construction of dyke along R/B of Barak from Kakhipur P.W.D. Road to Madhuramikh. | 15.67 | 8.80 | 6.87 | 0.69 | 3.00 | 2.00 | 1.00 | 0.18 |
| 3. | Const. of dyke along L/B of Barak from Tarapur to Machimpur. | 8.39 | 5.78 | 2.61 | 0.78 | 0.50 | 0.50 | - | 0.83 |
| 4. | Const. of dyke along L/B of Barak from Machimpur to Katakhal. | 25.82 | 21.27 | 4.55 | 2.55 | 2.00 | - | - | - |
| 5. | Flood protection bund at sutrakhal. | 17.58 | 9.89 | 7.69 | 2.11 | 1.00 | 2.18 | 1.00 | 1.21 |
| 6. | Const. of dyke along R/B of Barak from Lekipur to Sonaimikh. | 1.19 | 0.80 | 0.39 | - | - | 0.39 | - | - |
| 7. | Const. of dyke along R/B of Sonai from Palanghat upwards. | 1.11 | 0.83 | 0.83 | 0.01 | 2.28 | 0.28 | - | - |

TOTAL

6.50 5.47 2.00 2.04

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
|--|-------|-------|------|--------------|------|--------------|--------------|-------------|-------------|
| 8. Const. of dyke along R/B of barak from Sonaimukh to Uttar Krishnapur (Sonaimukh to Badri). | 7.74 | 6.97 | 0.77 | B.F.
0.01 | 6.50 | 5.47
0.50 | 2.00
2.26 | 2.04 | - |
| 9. Const. of dyke along R/B. of Barak from Sonaimukh to Madhuramukh (Rongpur) | 8.54 | 7.22 | 1.32 | - | - | 0.50 | 1.00 | - | - |
| 10. Const. of embkt. along E/B. of Sonai from Sonai-Matinagar road to Dharmikhal. | 17.18 | 16.12 | 1.06 | - | - | 0.50 | 0.56 | - | - |
| 11. R/S. of dyke along R/B. Barak from Sonaimukh to Madhuramukh. | 5.54 | 4.87 | 0.47 | - | - | 0.40 | 0.07 | - | - |
| 12. Const. of Sonai embkt. to stop Sonai spill to Amjur river. | 1.17 | 1.00 | 0.17 | - | - | 0.17 | - | - | - |
| 13. R/S. of dyke along R/B of Sonai from Amraghat to Amjur Confluence. | 4.06 | 3.60 | 0.40 | Nil | - | 0.40 | 0.06 | - | - |
| 14. Const. of embkt. along Puskhai Channel with sluice at confluence with Badri | 2.27 | 1.70 | 1.01 | 0.15 | 0.10 | 0.70 | 0.07 | - | - |
| 15. Const of embkt. along R/B. of Rukni from panibhora to Bhogabazar on L/B. and from Dulalgram to Tilanagar on R/B. | 9.56 | 5.16 | 4.40 | 0.36 | 0.25 | 1.00 | 1.00 | 1.79 | - |
| 16. Const. of ring bund at village Tundarkandi in Silchar Sub-division. | 2.43 | 0.01 | 2.42 | 0.30 | 0.50 | 0.50 | 1.00 | 0.12 | - |
| 17. R/S. of dyke along L/B of Barak from Sonaimukh to Uttarkrishnapur. | 14.09 | 10.17 | 3.92 | 0.92 | 0.50 | 1.00 | 1.50 | - | - |
| TOTAL | | | | | | 7.50 | 11.14 | 7.26 | 4.21 |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
|---|-------|-------|-------|------|------|-------|-------|-------|-------|
| | | | | | B.F. | 7.85 | 11.14 | 7.25 | 1.02 |
| 18. R/S. of dyke along L/B of Barak from Singberbund to Sonai-Matinagar road. | 11.35 | 7.32 | 4.05 | 0.41 | 0.10 | 1.00 | 1.50 | 1.02 | |
| 19. Const. of dyke along right bank of Barak from Madhuramukh to Machimpur. | 5.74 | 5.74 | 0.27 | 0.01 | - | 0.26 | - | - | |
| 20. R/S. of flood embkt. Chaltakudi Gosaiapur in Silchar Sub-Division. | 5.52 | 5.15 | 0.37 | - | - | 0.37 | - | - | |
| 21. Const. of dyke along R/ B. of Barak from Goni. | 41.06 | 11.96 | 29.10 | 7.47 | 6.00 | 2.00 | 2.50 | 11.15 | |
| 22. R/ S. of embkt. for drainage of low-lying over near Ghenpur in Borkhola vide Ph-II. | 19.71 | 1.50 | 18.13 | 4.82 | 6.00 | 2.06 | 2.50 | 2.75 | |
| 23. R/S. of dyke along R/B. of Barak from Madhuramukh to Masimpur. | 2.48 | 2.22 | 0.26 | - | - | 0.26 | - | - | |
| 24. Const. of ring bund at village Jhemjerbali on L/B of Barak in Silchar Subdivision. | 2.61 | 2.17 | 0.44 | - | - | 0.44 | - | - | |
| 25. Const. of dyke along L/B. of Katakhal from Mohonpur to confluence. | 6.81 | 5.85 | 0.96 | 0.39 | 1.40 | 0.50 | 2.55 | 0.32 | |
| 26. Flood protection & Drainage of Bakri haor area in Hallakandi Subdivision. | 23.40 | 15.20 | 8.20 | 3.20 | 1.82 | 0.50 | 2.55 | 0.32 | |
| 27. Const. of embkt. along R/B of river Longai from Chandkhira PWD bridge to Katabain and along B/B of Geolakhil. | 5.96 | 4.46 | 1.50 | 0.07 | 1.00 | 0.50 | - | 0.15 | |
| TOTAL | | | | | | 24.08 | 18.23 | 16.11 | 19.54 |

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
|--|----|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | | | R | D.P. | | | |
| 28. Const. of embkt. along R/D. of Longai from Patharkandi to Nilambazar Ph-I. | | 42.33 | 13.61 | 20.72 | 1.53 | 11.00 | 18.25 | 5.00 | 8.19 | 19.54 |
| 29. Const. of embkt. along R/D. of Longai from Patharkandi to Nilambazar Ph-II. | | 25.59 | 3.74 | 16.85 | 0.25 | 8.84 | 1.00 | 4.00 | 7.66 | |
| TOTAL :- | | 338.57 | 191.23 | 147.84 | 26.13 | 43.92 | 21.23 | 28.11 | 35.59 | |
| II. PROTECTION OF TOWNS. | | | | | | | | | | |
| 1. Protection of Silchar town from erosion of River Barak. | | 32.96 | 31.89 | 1.07 | 1.02 | - | - | - | - | - |
| 2. Protection of Karimganj town from erosion of river Kushiyara. | | 28.00 | 16.87 | 11.13 | 1.20 | - | - | - | - | - |
| TOTAL :- | | 60.96 | 48.76 | 12.20 | 2.22 | - | - | - | - | - |
| III. DRAINAGE IMPROVEMENT. | | | | | | | | | | |
| 1. Improvement of drainage channel in Harrang Basin Ph-I. | | 4.22 | 3.68 | 0.54 | - | - | - | - | - | - |
| 2. Improvement of drainage facilities Ratanpur area on the R/D of Katakhal in Hailakandi Sub-Division. | | 0.80 | 0.42 | 0.58 | 0.20 | 0.18 | - | - | - | - |
| TOTAL :- | | 5.02 | 4.10 | 0.92 | 0.20 | 0.18 | - | - | - | 35.43 |

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
|--|--------|--------|--------|-------|-------|-------|-----------------|-------|-------|-------|
| IV. <u>SLICES IN EMBANKMENTS.</u> | | | | | | | | | | |
| 1. Const. of sluice in existing embankt. of Amjur river Training Scheme Ph-II. | 1.93 | 0.97 | 0.96 | 0.16 | 0.50 | 0.50 | - | - | - | - |
| 2. Const. of sluice in existing embankment along R/B of Barak from Madharmukh to Machhapur (sluice over Bdri). | 5.47 | 5.33 | 0.15 | - | 0.15 | 0.53 | 2.50 | - | - | - |
| 3. Const. of sluice-cum-bridge over Nizamullah on Katigora-Arunchal P.W.D. Road. | 9.36 | 6.92 | 2.48 | 0.44 | 0.25 | 0.53 | 0.50 | 0.50 | 0.72 | 0.72 |
| TOTAL :- | 16.77 | 13.22 | 3.54 | 0.60 | 0.90 | 0.83 | 0.50 | 0.50 | 0.72 | 0.72 |
| ALLOTAL (CONTINUING SCHEME) :- | 421.32 | 257.31 | 164.00 | 29.15 | 45.00 | 22.06 | 26.61 | 26.61 | 56.15 | 56.15 |

Contd...R-41.

P-41.

ANNUAL PLAN 1973-74 FLOOD CONTROL SCHEMES (BARAK VALLEY)
(Showing the outlay on approved schemes)

| Name of the schemes. | Estimated cost. | Expdr. to end of 3/69 | 4th Plan Outlay | Expdr. 69-70 | Expdr. 71-72 | Expdr. 71-72 Anticipated. | Outlay 72-73 anticipated | Outlay Proposed to 73-74 | |
|----------------------|-----------------|-----------------------|-----------------|--------------|--------------|---------------------------|--------------------------|--------------------------|-----|
| 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. |

RECORD COPY

FLOOD CONTROL SCHEMES.

Marginal Embankments:-

| | | | | | | | | | |
|---|-------|-----|-------|------|------|------|------|------|---|
| 1. Construction of dyke along left bank of Katakhal from Katlichera to Sahabad. | 19.90 | Nil | 8.00 | 2.00 | 0.50 | 2.50 | 0.59 | 0.51 | - |
| 2. Const. of ring bund along R/B. Katakhal to Lalukh T.E. | 4.43 | " | 4.20 | 1.00 | 0.50 | 1.00 | 0.50 | 1.20 | |
| 3. Const. of dyke along R/B. of Katakhal from Roopacherra to Katlicherra. | 52.90 | " | 10.00 | 5.00 | 2.00 | 3.00 | 0.50 | - | |
| 4. Extension of Madhura L/ B. left from Khoril T.E. to out fall Barak | 1.94 | " | 1.80 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | |
| 5. Const. of ekbkt. along L/B. of Kushiya from Kachua influence to Karimganj. | 52.00 | " | 10.00 | - | 2.00 | 2.00 | 0.50 | 5.50 | |
| 6. Const. of marginal embt of Madhura R/B. | 7.00 | " | 2.00 | - | - | - | - | 2.00 | |

2.39

11.51

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. |
|--|----|-------|-----|------|----|------|------|------|-------|-----|
| | | | | | | B.F. | | 2.59 | 11.51 | |
| Const. of marginal embkt. along of Katakhal from Sahabad to Pacherra road and from Mohamad to Kuchila Ferry. | | 40.00 | Nil | 9.00 | - | - | - | 1.00 | 8.00 | - |
| Const. of dyke along R/B. of Katakhal Lalacherra to Lalatal. | | 18.00 | " | 2.00 | - | - | - | 0.50 | 1.80 | - |
| Const. of embkt. along R/B. of Longai from Nilambazar to Mishanagar. | | 30.00 | " | 8.00 | - | 2.00 | 3.00 | - | 3.00 | - |
| Const. of dyke L/B Katakhal from Manipur T.E. to Kartikcherra. | | 22.26 | " | 4.00 | - | - | - | 0.50 | 3.50 | - |
| Const. of embkt. along R/B of Katakhal from Lalatal to Daglacherra. | | 21.00 | " | 4.00 | - | - | - | 0.50 | 3.50 | - |
| Const. of main dyke along R/B. Barak from Katigora Katigora to Horinagar (upto Barak and Gumra Junction.) | | 39.00 | " | 2.00 | - | - | - | - | 2.00 | - |
| Const. of embkt. along R/B. of Longai from Krishnagar to Karimganj Latu Rly. Station. R. I. | | 24.00 | " | 8.00 | - | 1.50 | 3.00 | - | 3.50 | - |
| Bank. | | | | | | | | | | |
| Const. of embkt. cum-road Long L/B. of Kushiya from Tilabazar to Lekhibazar. Ph-I. | | 21.00 | " | 6.00 | - | - | - | 0.50 | 5.50 | - |
| | | 17.00 | " | 6.00 | - | - | - | 0.50 | 5.50 | - |
| Const. of embkt. cum-road along Bank of Kushiya from Horitakor R. to Kachma. | | 42.86 | " | 6.00 | - | - | - | - | 7.90 | - |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. |
|--|-------|----|-----|------|----|----|------|------|-------|-----|
| 16. Const. of dyke along Kathalbari to present flood congestion in Rangirkhari area in Silchar Sub-Division. | 4.00 | | Nil | 4.00 | - | - | B.F. | 5.89 | 54.51 | |
| 17. Const. of Embkt. R/B. of Katakhal from Madhuratilla to Rupa-cherra. | 40.00 | | " | 8.00 | - | - | - | 0.50 | 3.50 | |
| 18. Const. of embkt. R/B. of Katakhal from Dholai T.E. to Kabulitilla | 20.92 | | " | 6.00 | - | - | - | 1.00 | 5.00 | |
| | | | | | | | | 8.59 | 70.01 | |

RAISING & STRENGTHENING OF DYKES.

| | | | | | | | | |
|--|-------|---|-------|------|------|------|------|------|
| R/S. of dykes along L/B. of Sonai from Sonai Matinagar Road to Dharmikhal | 31.76 | " | 20.00 | 5.00 | 5.00 | 4.00 | 1.00 | 5.00 |
| R/S. of Barak dyke L/B. of Uttar-Krishnapur to Barapur. | 20.05 | " | 5.00 | - | - | - | 1.00 | 4.00 |
| R/S. of tributary dykes both Baraks & Longai for flood protection Patherkandi Ph-II. | 23.96 | " | 6.00 | - | - | - | 1.00 | 5.00 |
| R/S. of marginal embkt. along both of Shingla from Ruanaif to Dullavpur. | 32.00 | " | 5.00 | - | - | - | 1.00 | 4.00 |
| R/S. of dyke along R/B. of Sonai from Palanghat upwards. | 9.53 | " | 5.00 | - | - | - | 1.00 | 4.00 |
| R/S. of extension of Longai embkt. from Chandkira FWD Bridge to abari & Deolakhil B/B. | 18.00 | " | 10.00 | 5.00 | 2.00 | 3.00 | 1.00 | 1.00 |
| R/S. of dyke along L/B. of Khatakhal near village Mohamadpur. | 15-02 | " | 8.00 | 2.00 | 1.00 | 1.00 | 1.00 | 3.00 |

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. |
|--|-------|------|------|----|----|----|------|-------|------------------|
| 1. R/S. of dyke along R/B. of Barak from Madhuramukh to Masimpur. | 9.12 | Nil. | 4.00 | - | - | - | B.F. | 7.00 | 26.00 |
| | | | | | | | | 1.00 | 28.00 |
| 2. R/S. of dyke along R/B. of Barak from Sonaimukh to Madhuramukh. | 18.48 | " | 4.00 | - | - | - | - | 1.00 | 3.00 |
| 3. R/S. of dyke along L/B. from Sahabad to Madhupur. | 10.00 | " | 8.00 | - | - | - | - | 1.00 | 3.00 |
| | | | | | | | | 10.00 | 39.00 |

TOWN PROTECTION & RIVER TRAINING WORKS.

| | | | | | | | | | |
|---|--------------|----------|--------------|-------------|-------------|-------------|----------|-----------------|-----------------|
| 1. Protection of Dalu Village from erosion. | 5.00 | Nil. | - | - | - | - | - | 1.00 | 5.00 |
| 2. Protection of Hailakandi town from inundation of river Tachakhal | 4.00 | | 4.00 | - | - | - | - | 1.00 | 3.00 |
| 3. Protection of Sonai Bazar from erosion of river Sonai & Barak | 15.00 | - | - | - | - | - | - | - | - |
| 4. Protection of Badarpur at Padrihat from river Barak. | 4.50 | - | 3.50 | - | - | - | - | 1.00 | 2.50 |
| 5. Protection of Silchar town Ph-III. | 13.00 | Nil. | 10.00 | - | - | - | - | 1.00 | 9.00 |
| 6. Lump sum provision for T&P and R/T. Schemes. | 20.00 | " | 9.00 | 1.00 | 2.00 | 3.00 | - | 2.00 | 1.00 |
| TOTAL | 60.50 | " | 26.00 | 1.00 | 2.00 | 3.00 | - | 5.00 | 15.00 |

| | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
|--|-------|----|------|-------|----|----|----|------|------|
| <u>DRAINAGE SCHEMES.</u> | | | | | | | | | |
| 1. Improvement of drainage channel of L/B. of Longai & Providing Parallel drainage from Nephatala to Nilambazar. | 22.00 | | Nil. | 11.00 | | - | - | 1.00 | 2.00 |
| 2. Reclamation of Qghabeel area in Silchar Subdivision. | 8.00 | | " | 4.00 | - | - | - | 1.00 | 1.00 |
| TOTAL :- | 30.00 | | | 15.00 | | | | 2.00 | 3.00 |

SLUICICES ETC.

| | | | | | | | | | |
|--|---------------------------|--|------|-------|------|------|------|------|------|
| 1. Const. of sluice gate over Gagra river. | 30.00
12.66 | | Nil. | 12.00 | 2.00 | 2.00 | 6.00 | 1.00 | 1.00 |
| 2. Const. of sluice across Gargari Hoakchar and Sakhara. | 19.66 | | " | 4.00 | - | - | - | 1.00 | 1.00 |
| 3. Const. of addl. Opening at Panirhaor. | 14.00 | | " | 2.00 | - | - | - | 1.00 | 1.00 |
| 4. Const. of sluice at Makoil dighat | 8.00 | | " | 2.00 | - | - | - | 1.00 | 1.00 |
| TOTAL :- | 71.00 | | " | 20.00 | 2.00 | 2.00 | 6.00 | 4.00 | 4.00 |

RAISED PLATFORMS.

| | | | | | | | | | |
|---|------|--|------|------|---|---|---|------|------|
| 1. Const. of raised platform in flood affected areas of Barak Valley. | 5.00 | | Nil. | 5.00 | - | - | - | 1.00 | 1.50 |
| TOTAL :- | 5.00 | | Nil. | 5.00 | | | | 1.00 | 1.50 |

DRAFT ANNUAL PLAN 1973-74 (GENERAL AREAS)

S-1

STATE : ASSAM

HEAD: - III IRRIGATION AND POWER
POWER.

The Fourth Five Year Plan provision for the Power Development schemes is Rs. 3339.00 lakhs. A critical review of the performance of the schemes of the schemes in the years 1969-70 to 1971-72, likely achievement in 1972-73 and the important aspects of the proposals during the year 1973-74 are indicated below :-

(1) Umiam Hydro Electric Project-Stage-I.

The scheme has already been completed. During the year 1969-70, an expenditure of Rs. 6.01 lakhs was incurred. During the year 1970-71, another sum of Rs. 3.13 lakhs was incurred, while a sum of Rs. 1.00 lakh was incurred during 1971-72. Though the scheme was commissioned during the year 1965, the above provisions made in the Fourth Five Year Plan were for clearance of some earlier liabilities of the scheme.

(2) Umiam Hydro Electric Project-Stage II.

During the year 1969-70, an expenditure of Rs. 60.63 lakhs was incurred, while a sum of Rs. 26.68 lakhs was incurred during the year 1970-71. The expenditure incurred during the year 1971-72 was Rs. 10.00 lakhs. Though the project was commissioned in the month of June, 1970. The Fourth Five year Plan provision was ~~in~~ meant for clearing the liabilities of the project.

(3) Namrup Thermal Project

The project was commissioned during the year 1965. Provision has however, made in the Fourth Five Year Plan, for payment on account spare parts of the machineries and also for deferred payments towards the credit offered by the Govt. of ~~Assam~~ ^{Finance} against the scheme. From the year 1969-70 to 1971-72, a sum of Rs. 48.70 lakhs has been spent. The current years provision of Rs. 2.00 ^{lakh} is likely to be utilised in full. An amount of Rs. 2.00 lakhs has been proposed in the Annual Plan for 1973-74 for the purposes mentioned above.

Contd. 2

(4) Garo Hills Thermal Project.

The construction works of the project were in progress during the years 1969-70, 1970-71 and 1971-72. 70% of the works have been completed. The expenditure against this scheme from 1969-70 to 1972-72 was Rs. 42.36 lakhs. The project was completed during March, 1972. The current year's provision is likely to be utilised in full. A sum of Rs. 2.00 lakhs is ~~purposed~~^{proposed} during the year 1973-74 for continuance of the instrumentation work.

(5) Gauhati Thermal Project .

The construction of Power house and residential buildings were completed in the year 1970-71. 80% of the works on the project have been completed. An expenditure of Rs. 219.68 lakhs has been incurred upto 1971-72. During the year, the entire provision is likely to be utilised in turbines ~~erection~~^{erection} work of the project. A sum of Rs. 2.00 lakhs is ~~purposed~~^{proposed} during the year 1973-74 for the above purpose.

(6) Namrup Thermal Extension Project

During the year 1969-70, an amount ~~of~~ of Rs. 98.30 lakhs was incurred. During the year 1970-71, expenditure incurred was Rs. 120.29 lakhs. About 20% of the works on this project were completed by the end of 1970-71. The construction works were continued during the year 1971-72 and an expenditure of Rs. 100.00 lakhs was incurred. The construction works will be continued during the years 1972-73, and entire provision is likely to be utilised. During the year 1972-73 the boiler creation works will be taken up and will also continue during the year 1973-74 for which a provision of Rs. 145.00 lakhs is proposed in the Annual Plan 1973-74. During the year 1973-74 it is also proposed to take up the 2nd extension project for which a sum of Rs. 50.00 lakhs is proposed.

(7) Chandrapur Power Extension Project (1st Phase)

To meet the acute power shortage, it is proposed to take up the above new scheme during the year 1973-74 for which ~~provision~~

a provision of Rs. 50.00 lakhs is suggested.

(8) Gauhati Gas Turbine Project.

To meet the increased demand of Power in Upper Assam, it was ~~proposed~~ to transfer the above power set to Namrup and install it there with modification in fuel injection system. The work of dismantling the set was taken up departmentally during the year 1970-71 and most of the ^{Components} ~~components~~ were ~~is~~ ^{split} to Namrup. During the year 1971-72 the works continued and during the year 1972-73, the installation works of the above set will almost be completed. An amount of Rs. 20.00 lakhs was spent during the year 1971-72 and during the current year, the entire provision is likely to be utilised. A sum of Rs. 25.00 lakhs is proposed in the Annual Plan for 1973-74 for the purpose.

(9) Kyrdemkulai Hydro-Electric Project .

Tenders for construction of road and tunnel were invited in the year 1970-71. During the year 1971-72 above construction works were taken up. An amount of Rs. 72.00 lakhs was incurred during the year 1971-72. During the year 1972-73 the construction works of the above items will continue, and the entire Plan provision is likely to be utilised. Above 1200 feet of the tunnel was excavated and some other major items of works also made satisfactory progress. A sum of Rs. 280 .00 ^lakhs is proposed during the year 1973-74 for continuing the works on this project.

(10) 220-K.V. Gauhati-Newgong Line

About 90.7% of the Tower erection work was completed during the ^{year} 1970-71. The construction of the power line was continued during the year 1971-72. An expenditure of Rs. 96.51 lakhs was incurred up to the years 1972-72. During the year 1972-73 the construction of the powerline will be completed upto Samaguri and the provision will be fully utilised. No provision is suggested in the Annual Plan 1973-74

(11) 220 K.V. Nowgong-Moriani Line.

During the year 1971-72, ^{full} amount of Rs. 13.00 lakhs was spent on this project. Construction of Power line has continued during the current year and the entire provision is likely to be utilised. A sum of Rs. 135.00 lakhs is ~~proposed~~ ^{proposed} in the Annual Plan for 1973-74.

(12) 132 K.V. Badarpur-Churaibari Line.

The transmission and distribution lines were completed during the year 1969-70 and charged at 33 K.V. upto 1971-72 an amount of 54.84 lakhs was spent. No provision was made in the Annual Plan for 1972-73 nor any ^{proposal} ~~proposed~~ during 1973-74.

(13) Rural Electrification and Sub-transmission Schemes

During the Fourth Five Year Plan period, the construction of a net work of distribution lines through out the State with the idea of electrifying a number of Villages was taken up. During the Fourth Five Year Plan period 844 Villages are likely to be electrified, and the works are proceeding as per schedule. upto the year 1971-72, 457 Villages were electrified and 50 pump sets were also energised. During the year 1972-73, with the Plan provision of Rs. 150.00 lakhs, it is intended to electrify 355 Villages and to energise 430 pump sets.

(14) Normal Development Schemes.

These schemes envisages mainly augmentation of existing power system and extension of the existing lines for connecting up more loads that are coming up ^{from} ~~for~~ time to time. Construction of number of staff quarters at various load centres is also envisaged. Substantial progress has been made so far, upto 1971-72, an amount of Rs. 318.87 lakhs was spent. The current year's provision will be utilised in full. A sum of Rs. 150.00 lakhs is proposed during the year 1973-74.

(15) Investigation and Research.

During the Fourth Five Year Plan period, provision was made for investigation of a number of small hydel schemes Contd.5

and accordingly investigations were carried out in power Umiam Umtru regions and Kyrdemkulai. Routine observations of rainfall and discharge in other prospective areas were also carried out. An amount of 64.92 lakhs was incurred upto 1971-72, and the current year's expenditure is expected to be fully utilised. A sum of Rs. 30.00 lakhs is proposed during 1973-74, out of which Rs. 15.00 lakhs is for advance action of the schemes during the Fifth Five Year Plan period.

(16) Acquisition of Licensees.

During the 1972-73, Dibrugarh and Tinsukia Licensees have been taken over. A sum of Rs. 15.00 lakhs is proposed during the year 1973-74 this account.

NEW SCHEMES

Centrally Sponsored Schemes .

The following projects were taken up in the Fourth Five Year Plan period, and the present position regarding achievements is indicated below:-

1) 132 K.V. S/C. Alipurduar-Bongcigaon Line

The bulk of the power line and tower materials have been procured and the construction work is in progress.

2) 132 K.V. S/C Badarpur Imphal Line.

The preliminary works are in progress.

3) 132 K.V. S/C Mariani -Dimapur Line and

4) 66 K.V. S/C Bakajon-Dimapur Line

The preliminary works are in progress.

DRAFT ANNUAL PLAN 1973-74(GENERAL PLAN)STATEMENT -III
SCHEMewise OUTLAYS AND EXPENDITURES

| Head /Sub head/Schemes | Fourth Plan Outlays | | | | Estimated cost | Expenditure upto the end of 1968-69 | Actual Expenditure 1972-73 | | | | | | |
|---|---------------------|---------|------------------|---------|----------------|-------------------------------------|----------------------------|---------|-----------------|-------------------------|--------|---------|------------------|
| | 1969-74 | | | 1969-70 | | | 1970-71 | 1971-72 | Approved outlay | Anticipated Expenditure | Total | Capital | Foreign Exchange |
| | Total | Capital | Foreign Exchange | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| A. Generation (Continuing Scheme) | | | | | | | | | | | | | |
| 1. Umiawn Hydro Electric Project St-I | 19.00 | 19.00 | - | 1413.00 | 1813.36 | 6.01 | 3.13 | 1.00 | - | - | - | - | - |
| 2. Umiam Hydro Electric Project St.II | 75.68 | 75.18 | 0.50 | 435.00 | 263.31 | 60.63 | 26.68 | 10.00 | - | - | - | - | - |
| 3. Namrup Thermal Project (3 X23MW) | 33.50 | 12.90 | 20.60 | 886.00 | 976.54 | 26.97 | 19.73 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4. Garo Hills Thermal Station (2 x2.5 MW) | 31.65 | 29.65 | 2.00 | 105.00 | 186.89 | 27.19 | 8.17 | 7.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 5. Gauhati Thermal Station (1 x30MW) | 230.52 | 223.31 | 7.21 | 663.00 | 424.95 | 92.65 | 77.03 | 50.00 | 9.00 | 90.0 | 2.00 | 2.00 | 2.00 |
| 6. Namrup Thermal Extension(1x30MW) | 514.10 | 511.10 | 3.00 | 549.00 | 18.00 | 98.30 | 120.29 | 100.00 | 60.00 | 60.00 | 145.00 | 145 | 145 |
| 7. Gauhati Gas Turbin (1x1x 12,5 MW) | 54.00 | 36.00 | 18.00 | 140.00 | 77.83 | - | - | 20.00 | 31.00 | 31.00 | 25.00 | 25.00 | 25.00 |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|----|
| <u>B. New Generation Schemes</u> | | | | | | | | | | | | | | |
| 1. New Kyrdemkulai H.E.
Project (sx30 NW) | | 420.00 | 425.00 | 5.00 | 924.00 | - | - | - | 72.00 | 80.00 | 80.00 | 280.00 | 280.00 | - |
| 2. Chandrapur
Extension Project (1st Extension) | - | - | - | - | - | - | - | - | - | - | - | 50.00 | 50.00 | - |
| 3. Namrup Thermal Extension
Project (2nd Extension) | - | - | - | - | - | - | - | - | - | - | - | 50.00 | 50.00 | - |
| <u>C. Transmission and Distribution.</u> | | | | | | | | | | | | | | |
| 1. 220 KV Gauhati-
Nongchong Line. | 113.86 | 113.84 | - | 222.66 | 110.78 | 24.65 | 46.86 | 25.00 | 12.00 | 12.00 | - | - | - | - |
| 2. 220 KV Samaguri-
Mariani Line. | 188.00 | 188.00 | - | 373.00 | - | - | - | 13.00 | 40.00 | 40.00 | 135.00 | 135.00 | - | - |
| 3. 132 KV Badarpur-
Churaibari Line. | 21.00 | 19.50 | 1.50 | 54.0 | 39.88 | 20.50 | 20.11 | 4.23 | - | - | 9.75 | - | - | - |
| 4. Addl. 132 KV & 66 Kv
Line | 38.23 | 38.23 | - | - | 14.76 | 21.79 | - | 9.77 | 10.00 | 10.00 | 9.75 | 9.75 | - | - |

Contd.8

Important Projects costing Rs. 5 cores and more (Rs. in lakhs)

| S.No. | Head of Development | Total Estimated Cost | Fourth Plan (1969-74) | | | Total Expenditure upto 1968-69 | Actual Expenditure | | | 1972-73 | | 1973-74 outlay | |
|-------|--------------------------------------|----------------------|-----------------------|---------|-------|--------------------------------|--------------------|---------|---------|-----------------|----------------------|----------------|---------|
| | | | Total | Capital | F.E. | | 1969-70 | 1970-71 | 1971-72 | Approved outlay | Anti-cipated Expendr | Total | Capital | F.E. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Umiam H.E. Project Stage-I | 1413.00 | 19.00 | 19.00 | - | 1813.36 | 17.80 | 0.16 | 1.35 | - | - | - | - |
| | Namrup Thermal Project (2x13 MW) | 886.00 | 33.50 | 12.90 | 20.60 | 973.54 | 25.00 | 0.62 | - | - | - | - | - |
| | Gauhati Thermal Station (1x30 MW) | 663.00 | 230.52 | 223.31 | 7.21 | 424.95 | 96.52 | 75.85 | 45.71 | 9.00 | 9.00 | 2.00 | 2.00 |
| | Namrup Thermal Extn. (1x30 MW) | 549.00 | 514.10 | 511.10 | 3.00 | 18.00 | 86.10 | 79.52 | 80.41 | 60.00 | 60.00 | 145.00 | 145.00 |
| | Hydroelectric H.E. Project (1x30 MW) | 924.00 | 420.00 | 415.00 | 5.00 | - | - | - | 17.97 | 80.00 | 80.00 | 180.00 | 180.00 |

333.333333333333

Contd.10

STATE

CHECK LIST IN RESPECT OF PRINCIPAL PROJECTS COSTING RS.5 CRORES AND ABOVE.

Name of project with brief description and location Gauhati Thermal Project (1x30 MW) at Chandrapur.
Commencement.

Estimated date of completion 1972-73.

Cost estimate and outlay

(a) Approved cost

Total Rs. 663.00 lakhs.
Foreign exchange Rs. 200.00 lakhs

(b) Revised cost

Total Rs. 2
Foreign exchange.

(c) Outlay and expenditure :-

| Expenditure
1968-69 | Outlay approved
1969-74 | | Expenditure | | | 1972-73 | | | | Proposed outlay
1973-74 | | | |
|------------------------|----------------------------|------|-------------|---------|---------|---------|-------|-------|------|----------------------------|------|------|------|
| | Total | F.E. | 1969-70 | 1970-71 | 1971-72 | Total | F.E. | Total | F.E. | Total | F.E. | | |
| 200.00 | 230.52 | 7.21 | 96.52 | - | 75.85 | - | 54.71 | 9.00 | - | 9.00 | - | 2.00 | 2.00 |

| Programme of output/benefits
Item | Unit | Progress upto
1968-69 | Target for
Fourth Plan | Achievement | | | Anticipated
progress
1972-73 | Target for
1973-74 |
|--------------------------------------|------|--------------------------|---------------------------|-------------|---------|---------|------------------------------------|-----------------------|
| | | | | 1969-70 | 1970-71 | 1971-72 | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------------------|---------|---|--|-----------------------------|--------------------------------|------------------------------|---|---|
| Steamturbine
Stn. | 1x30 MW | Machinery received at
site and construction
of Power etc. is in
progress. Store build-
ing
superstructures
completed. About 10% of
approached Road to
Power house
completed. | Erection
and
commissio-
ning. | Overall
53%
completed | Overall
81.75%
Completed | Overall
92%
Completed. | Completion
of work and
Commissioning. | |

Note

Check list in respect of principal projects costing Rs. 5 crores and above.

1. Name of project with brief description and location Namrup Thermal Project-Extension (1x30 MW) at parbatpur

Namrup.

2. Commencement 1968

3. Estimated Date of completion 1973-74

4. Cost estimate and outlays

(a) Approved cost Total Rs. 549.00 lakhs.

Foreign exchange

Total F

(c) Outlay and expenditure:- Foreign exchange

| Expenditure upto 1968-69 | | Outlay approved 1969-70 | | Expenditure 1969-70 | | 1970-71 | | 1971-72 | | 1972-73 | | Anticipated Exndr. 1973-74 | | Proposed outlay | |
|--------------------------|------|-------------------------|------|---------------------|------|---------|------|---------|------|---------|------|----------------------------|------|-----------------|------------------|
| Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | Foreign Exchange |
| 1.00 | - | 514.10 | 3.00 | 96.10 | - | 79.52 | - | 80.41 | - | 60.00 | - | 60.00 | - | 145.00 | - |

Programme of output/benefits

| Item | Unit | Progress upto 1968-69 | Target for Forth Plan | Achievement | | | Anticipated progress 1972-73 | Target for 1973-74 | |
|---------------|--------|---|----------------------------|-------------------|------------|---------------|------------------------------|--|---------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Steam turbine | 1x30MW | orders for Power Plant equipment have been placed with M/S.H.E. India, Bhopal and D.H.E.L. Tiruchirappur permanent buildings have been finalized. | Erection and Commissioning | Overall Completed | 8% Overall | 27.3% Overall | 42% Complete | The project is schedule for complete- tion towards the end of the year 1973-74 | Completion of work and Commissioning. |

Contd14

6. Employment Data (Mandays)(a) Labour requirements during the construction phase

| | <u>Skilled personnel</u> | | <u>Non-Technical</u> | <u>Unskilled</u> |
|---------------------------|----------------------------|----------------|----------------------|------------------|
| | <u>Technical</u>
Degree | <u>Diploma</u> | | |
| 1969-70 | | | | |
| 1970-71 | | | | |
| 1971-72 | | | | |
| 1972-73 (Anticipated) | 13 | 14 | 187 | |
| 1973-74 (proposed) | 13 | 14 | 187 | |
| End of the
fourth plan | 13 | 14 | 187 | |

(b) Estimated requirements of labour during the operation/maintenance phase:-

| | <u>Skilled personnel</u> | | <u>Unskilled</u> |
|---------------------------|----------------------------|----------------|------------------|
| | <u>Technical</u>
Degree | <u>Diploma</u> | |
| 1969-70 | | | |
| 1970-71 | | | |
| 1971-72 | | | |
| 1972-73 (anticipated) | 11 | 18 | 272 |
| 1973-74 (proposed) | 11 | 18 | 222 |
| End of the
fourth plan | | | |

Completion of a 11
phases of
projects.

STATEMENT V CONTINUED.

6. Employment Data (Mandays)

(a) Labour requirements during the construction phase.

| | Skilled personnel | | Unskilled. |
|---------------------------|-------------------|---------------|------------|
| | Technical | Non-technical | |
| | Degree Diploma. | | |
| 1969-70 | | | |
| 1970-71 | | | |
| 1971-72 | 10 | 10 | |
| 1972-73(anticipated) | 22 | 44 | |
| 1973-74(proposed) | 22 | 44 | |
| End of the
fourth plan | | | |

(b) Estimated requirements of labour during the operation/maintenance/MA phase:-

| | Skilled personal | | Unskilled. |
|---|------------------|----------------|------------|
| | Technical | Non-Technical. | |
| | Degree Diploma | | |
| 1969-70 | | | |
| 1970-71 | | | |
| 1971-72 | | | |
| 1972-73 (Anticipated). | | | |
| 1973-74 (Proposed). | | | |
| End of the
Fourth Plan. | | | |
| Completion of all
phases of
projects. | | | |

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Contd.17

Check list in respect of principal projects costing Rs. 5 crores and above.

1. Name of project with brief description and location Namrup Thermal Project (3x23 MW) at Parbatpur, Namrup.
2. Commencement .
3. Estimated Date of completion
4. Cost estimate and outlays.

(a) Approved cost Total Rs.886.00 lakgs.
 Foreign exchange.
 (b) Revised cost. Total
 Foreign exchange.
 (c) Out lay and expenditure :-

| Expenditure upto 1968-68 | | Outlay approved 1969-74 | | Expenditure 1969-70 1970-71 1971-72 | | | 1972-73 | | Anticipated | | Proposed outlay 1973-74 | | | | |
|--------------------------|------|-------------------------|-------|-------------------------------------|------|-------|---------|-------|-------------|-------|-------------------------|----|----|----|----|
| Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | (Foreign Exchange) | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 73-54 | - | 33.50 | 2½.60 | 25.00 | - | 0.62 | - | - | - | - | - | - | - | - | - |

Programme of output benefits

| Item | Unit | Progress upto 1968-69 | Target for Fourth Plan | Achievement & 1969-70 1970-71 | 1971-72 | Anticipated progress 1971-72 | Target for 1972-74 |
|------|------|-----------------------|------------------------|-------------------------------|---------|------------------------------|--------------------|
|------|------|-----------------------|------------------------|-------------------------------|---------|------------------------------|--------------------|

Steam turbine 3x 23 MW

Completed project.

Stn

Contd.18

SECTENT V CONTINUED6. Employment Data (Maddays)(a) Labour requirements during the construction phase

| | <u>Skilled personnel</u> | | <u>Unskilled</u> |
|------------------------|--------------------------|----------------------|------------------|
| | <u>Technical</u> | <u>Non-Technical</u> | |
| 1969-70 | | | |
| 1970-71 | | | |
| 1971-72 | | | |
| 1972-73 (anticipated) | | | |
| 1973-74 (proposed) | | | |
| End of the fourth plan | | | |

(b) Estimated requirements of labour during the operation/maintenance phase:-

| | <u>Skilled personal</u> | | <u>Unskilled</u> |
|------------------------|-------------------------|---------|----------------------|
| | <u>Technical</u> | | <u>Non-Technical</u> |
| | Degree | Diploma | |
| 1969-70 | | | |
| 1970-71 | | | |
| 1971-72 | | | |
| 1972-73(anticipated) | | | |
| 1973-74 (proposed) | | | |
| End of the fourth Plan | | | |

Completion of all phases of projects.

Contd. 20 / 17

Check list in respect of principal projects costing Rs.5 crores and above.

1. Name of project with brief description and location Umiam H.E. Project, Stage-1.

2. Commencement:

3. Estimated Date of completion

4. Cost estimate and outlays

(a) Approved cost.

Total

Rs. 1413.00 lakhs

(b) Revised cost

Foreign exchange

(c) Outlay and expenditure

Total

Foreign exchange

| Expenditure upto 1968-69 | | Outlay approved 1969-74 | | Expenditure | | | | | | 1972-73 | | Anticipated expdr. | | Proposed outlay 1973-74 | |
|------------------------------|------|-------------------------|------|-------------|------|-----------------------|------|-------|------|-------------------------------------|------|---|------|-------------------------|------------------|
| Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | F.E. | Total | Foreign Exchange |
| 13.36 | - | 19.00 | - | 17.80 | - | 0.16 | - | 1.35 | - | - | - | - | - | - | - |
| Programme of output/benefits | | | | | | | | | | | | | | | |
| Unit | | Progress upto 1968-69 | | | | Target for Forth Plan | | | | Achievement 1969-70 1970-71 1971-72 | | Anticipated Target for Progress 1973-74 1972-73 | | | |
| 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | |

Water turbine 4x2.8MW

Completed project.

Statement V continued6. Employment Data (Mandays)(a) Labour requirements during the construction phase _ _ _ _skilled personnelUnskilledTechnical _Non-Technical

Degree

Diploma

1969-70

1970-71

1971-72

1972-73 (anticipated)

1973-74 (proposed)

End of the Fourth

Plan

(b) Estimated requirements of labour during the operation/maintenance phase:-

Skilled personnelUnskilledTechnicalNon-Technical

Degree

Diploma

1969-70

1970-71

1971-72

1972-73 (anticipated)

1973-74 (proposed)

End of the

Fourth Plan

Completion of all
phases of projects.

Statement VI

S-III

TOTAL FOR A. S. E. B (ASSAM, MEGHALAYA & MIZORAM)

| I Physical | Total at the end of 1971-1972. | 1972 - 73 | | 1973-74 Planned | Achievement at the end of 1973-74 | | Remarks |
|---|--|-----------------------|---------------------|-----------------|-----------------------------------|--------|---|
| | | Planned | Actual | | According to plan documents. | Actual | |
| (i) Installed capacity (MW) | 171.0 | 206.0 | 203.5 | 236.0 | 236.0 | 236.0 | |
| (ii) Trans. & Dist. lines lengths in 000 kms (Circuits) | | | | | | | |
| 230 KV | 0.050 | 0.093 | 0.093 | 0.168 | 0.211 | 0.093 | + Foundation works of 220 KV Samaguri-Mariani (168 KM) will be completed. |
| 132 KV | 0.825 | 0.070 | 0.070 | 0.120 | 1.015 | 1.015 | |
| 66 KV | 0.661 | | | | | | |
| 33 KV | 2.783 | 0.260 | 0.260 | 0.300 | 3.343 | 3.343 | |
| 11 KV | 3.375 | 0.300 | 0.300 | 0.350 | 4.025 | 4.025 | |
| 400/230 V | 2.557 | 0.210 | 0.210 | 2.250 | 3.017 | 3.017 | |
| (iii) Rural Electrification | Total according to 1971 Census 1961 | At the end of 1971-72 | 1972-73 | | 1973-74 | | |
| | | | Plan | Actual | Plan | | |
| Villages electrified | | 639+70+3
= 742 | 355+38+6+8
= 407 | 150 | 148+37+14
= 199 | | |
| Rural population covered (approx) lakhs | | 10.5 lakhs | 5.7 | 2.1 | 2.8 | | |
| Pumps energised | | 105 | 400 | | 400 | | |
| II. Employment | As employed on the Generation Project. | | | | | | |
| Technical - Contractors | | | 1972-73 | 1973-74 | | | |
| - Contractors | | | 10 | 14 | | | |
| - Departmental | | | 800 | 960 | | | |
| Non-Technical - Contractors | | | 300 | 400 | | | |
| - Departmental | | | 1530 | 1840 | | | |
| Total | | | 2340 | 3220 | | | |
| III. Construction materials requirement in 1973-74 and status of their procurement: | About 8000 tons of cement and 2500 tons of steel will be required for construction projects during 1973-74. They are being procured. | | | | | | |

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PROPOSALS FOR ADVANCE ACTION FOR THE FIFTH PLAN

1. Head of Development :- Power .
2. Project / Scheme :- Namrup Thermal Project (2nd 30 MW extension) .
3. Executing agency :- Assam State Electricity Board .
4. Scope , Location and Justification :- Located in Dibrugarh District for supply of power to Upper Assam Grid .
5. Yearly Phasing of physical Programmes :- Advance action .
6. Yearly phasing of output/benefits :- At the end of 5 year - 30 MW .
7. Estimated cost and foreign exchange expenditure with likely yearly phasing. :- Rs. 660 lakhs . No foreign exchange involved.
8. Precise statement of advance action required during 1973-74 with explanation. :- Advance payment for procurement of materials .
9. Financial provisions needed in 1973-74 , including foreign exchange commitments and payments :- Rs. 50 Lakhs.
10. Remarks :- NIL

PROPOSALS FOR ADVANCE ACTION FOR THE

1. Head of Development : Power .
2. Project/Scheme. :- Investigation and Research .
3. Executing Agency :- Assam State Electricity Board .
4. Scope , Location and Justification :- For investigation of Schemes in Assam-Meghalaya both for Generation (both thermal & Hydro) and Transmission.
5. Yearly phasing of Physical Programmes. :- Advance Action .
6. Yearly Phasing of output/benefits :- Does not arise.
7. Estimated cost and foreign exchange expenditure with likely yearly phasing :- Rs. 15 Lakhs (No foreign exchange involved).
8. Precise statement of advance action required during 1973-74 with explanation :- Detailed investigation suitability of Thermal energy.
9. Financial provisions needed in 1973-74 , including foreign exchange commitments and payments :- Rs. 15 Lakhs (addition) .
10. Remarks. :-

PROPOSALS FOR ADVANCE ACTION FOR THE FIFTH PLAN

PARAGRAPH V.II

1. Head of Development :- Power.
2. Project / Scheme :- Kyrdemkulai Hydro Electric Project (2 X 30 MW) .
3. Executing Agency :- Assam State Electricity Board .
4. Scope , Location and Justification :- Located in Khasi Hills District of Meghalaya for Supply of Power to Assam and Meghalaya .
5. Yearly phasing of Physical Programmes :- Advance Action .
6. Yearly Phasing of output/benefit :- At the end of 3 years 60 MW.
7. Estimated cost and foreign exchange expenditure with likely yearly phasing :- Rs. 924 Lakhs .
8. Precise statement of advance action required during 1973-74 with explanation :- Payment to B. H. E. L. for supply of works.
9. Financial provisions needed in 1973-74 , including foreign exchange commitments and payments :- 100 Lakhs (Added) .
10. Remarks :-

1. Head of Development :- ~~Power~~
2. Project / Scheme :- Chandrapur Thermal Project (1st 30 MW extension)
3. Executing Agency :- Assam State Electricity Board .
4. Scope, Location and Justification :- Located in Chandrapur in Kamrup District for Supply of Power to Lower Assam Grid.
5. Yearly phasing of physical Programmes :- Advance action .
6. Yearly phasing of output/benefits :- At the end of 5 years - 30 MW .
7. Estimated cost and foreign exchange expenditure with likely yearly phasing :- Rs. 660 Lakhs . No foreign exchange involved.
8. Progress statement of advance action required during 1973-74 with explanation :- Advance payment for procurement of materials .
9. Financial Provisions needed in 1973-74 including foreign exchange commitments and payments :- Rs. 50 Lakhs.
10. Remarks :- Nil.

FOURTH FIVE YEAR PLAN
DRAFT ANNUAL PLAN 1972-74
SPELL - OVER TO THE FIFTH PLAN

S-21

Statement - VIII

| Sl No. | Name of the Scheme Projects | Total cost | | Expdr. upto 1968-69 | Fourth Plan approved outlay | Expenditure | | | Anticipated 1972-73 | Proposed 1973-74 | Total for 1969-74 | Spill over Total | Fifth Plan | Rema |
|--------|-----------------------------|-------------------|-----------------|---------------------|-----------------------------|-------------|---------|---------|---------------------|------------------|-------------------|------------------|------------|------|
| | | Estimated earlier | Revised if any. | | | 1969-70 | 1970-71 | 1971-72 | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

1. Generation

| | | | | | | | | | | | | | | |
|---------------------------------------|--------|---|---|--------|---|---|-------|--------|--------|--------|--------|--------|--|--------------------|
| 1. Kyrdenkolai H.E. Project (2x30 MW) | 924.00 | - | - | 420.00 | - | - | 17.97 | 80.00 | 100.00 | 197.97 | 672.00 | 672.00 | | |
| <u>Transmission and Distribution.</u> | | | | | | | | | | | | | | |
| 1. 220 KW Samaguri-Mariani Line. | 373.00 | - | - | 188.00 | - | - | 40.00 | 100.00 | 140.00 | 170.00 | 170.00 | 170.00 | | same as State ment |

DTAFT ANNUAL PLAN 1973-74 CENTRALLY SPONSORED SCHEMES
SCHEMewise OUTLAY & EXPENDITURE

Statement - IX - A

| Sl No | Name of the Scheme | Fourth Year Plan outlay 1969-70 | Actual expenditure | | | 1972-73 | | Y1973-74 | | Remarks. | |
|-------|---|---------------------------------|--------------------|---------|---------|---------|--------------------|----------|---------|----------|--------------------------|
| | | | 1969-70 | 1970-71 | 1971-72 | Outlay | Anticipated expdr. | Total | Capital | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. | 132 KV s/c Alipur-
duar Bongaigaon line. | 80.00 | 0.042 | 21.59 | 12.76 | 30.00 | 30.00 | 10.00 | 10.00 | - | |
| 2. | 132 KV S/C Badar-
pur -Jirighat line. | 64.00 | 0.007 | 2.48 | 1.26 | 5.00 | 5.00 | 45.00 | 45.00 | - | |
| 3. | 132 KV S/C Dimapur-
Mariani line. | 66.00 | - | - | 0.05 | 5.00 | 5.00 | 60.00 | 60.00 | - | Same as
statement- I. |
| 4. | 66 KV S/C Bokajan-
Diphu line. | 5.00 | - | - | - | 1.00 | 1.00 | 4.00 | 4.00 | - | |

DRAFT ANNUAL PLAN 1973-74 CENTRALLY SPONSORED SCHEMES
(SCHEMewise OUTLAY AND EXPENDITURE)

| Sl. No. | Name of the Schemes | Fourth
Five
Year
Plan
outlay
1969-74 | Actual Expenditure | | | 1972-73 | | 1973-74 | | Remarks |
|---------|--|---|--------------------|---------|---------|---------|---------------------|---------|---------|------------------------|
| | | | 1969-70 | 1970-71 | 1971-72 | Outlay | Anticipated Expend. | Total | Capital | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1. | 132 KV S/C Alipurduar -
Bongaigoan line | 80.00 | 0.042 | 21.59 | 12.76 | 30.00 | 30.00 | 10.00 | 10.00 | |
| 2. | 132 KV S/C Balarpur -
Jirighat line | 64.00 | 0.007 | 2.48 | 1.23 | 5.00 | 5.00 | 45.00 | 45.00 | |
| 3. | 132 KV S/C Dinapur -
Mariani line | 66.00 | - | - | 0.05 | 5.00 | 5.00 | 60.00 | 60.00 | Same as
statement-I |
| 4. | 33 KV S/C Bokajan Liphu
Line | 5.00 | - | - | - | 1.00 | 1.00 | 4.00 | 4.00 | |

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CENTRALLY SPONSORED SCHEMES
SCHEMewise PHYSICAL TARGETS AND ACHIEVEMENTS

STATEMENT IX 'B'

| Sl. No. | Name of Scheme | Units | Fourth Plan Targets 1969-74. | Achievements | | | 1972/73 | | 1973/74 | REMARKS |
|---------|--|-------|------------------------------|--------------|---------|---------|----------|--------------------------|----------|--|
| | | | | 1969-70 | 1970-71 | 1971-72 | Proposed | Anticipated Achievement. | Proposed | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1. | 132 KV S/C Alipurduar-Bangaigaon line. | Kms | 72 | 1% | 5% | 10% | 80% | 80% | 4% | For 132 Kv. S/C Alipurduar -Bangaigaon Line costing of about 200 Nos foundations is completed. For other lines only preliminary works in progress. |
| 2. | 132 Kv. S/C Bolanpur-Jirighat line. | Kms | 64 | 1 | 1% | 1% | 10% | 10% | 88% | |
| 3. | 132 Kv. S/C Dimapur-Mariani line | Kms | 90 | - | - | - | 1% | 1% | 49% | |
| 4. | 66 kv. S/C Dimapur -Lokajan line. | Kms | 5 | - | - | - | 1% | 1% | 2% | |

