



सत्यमेव जयते

GOVERNMENT OF ASSAM

DRAFT

ANNUAL PLAN

1972-73

PART I

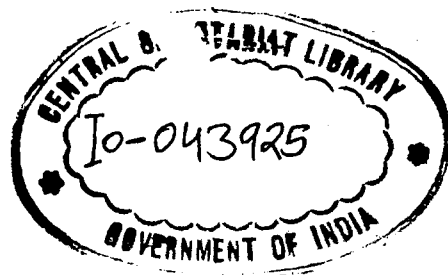
PLANNING AND DEVELOPMENT DEPARTMENT

IOD-52

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ASS-D, 1972



Part I = Pages 1 - 224
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 Part III Hill Areas Plan

The three Parts bound separately.

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ASSAM'S DRAFT ANNUAL PLAN 1972 - 73.

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CHAPTER - I.

I N T R O D U C T I O N .

Geographical location.

1.1. Assam is a land-locked State surrounded by the foreign territories of Burma and East Pakistan. It is situated very near to Tibet and China and has a common border with West Bengal, Nagaland, Tripura and Manipur. Geographically and from the point of view of communications with the rest of the country, Assam forms the core of the entire North-Eastern part of the country comprising Assam, Nagaland, North East Frontier Agency area, Manipur and Tripura. All lines of communications to these areas pass through Assam.

1.2. Assam covers an area of 121,973 k.m. (4% of country's total area) with a population of 1,48,57,34 (provisional 1971) ^{which} is 2.7% of country's population. Assam has two physico-geographical divisions. The first division consists of the plains region comprising the districts of Goalpara, Kamrup, Darrang, Nowgong, Sibsagar, Dibrugarh and Lakhimpur in the Brahmaputra Valley and the district of Cachar in the Surma Valley. The plains region is traversed by the Brahmaputra and its numerous tributaries in the north and the Barak and its tributaries in the Surma Valley. These mighty rivers along with these tributaries, coupled with the high rainfall in the State account for recurrence of floods which is an annual feature of the State. In the plains portion of the State large areas are inundated and considerable tracts of land are swallowed up every year by the rivers. Many important riverine towns and business centres have suffered erosion year by year. Considerable damage is caused by the annual floods. On an average as much as 6 lakh hectares of area get flooded every year.

Rapid growth of population.

1.5. Rapid growth of population is one of the major problem 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 33.5% against the All-India increase of 24.6%. During 1901-71

the increase was 340.1% against the all-India increase of 129.5%. Influx from East Pakistan and from the rest of the country in search of livelihood accounts largely for the higher rate of growth of population. 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.

Agrarian nature of Economy and Flood problem.

1.4. Assam's economy is predominantly agricultural. Agriculture alone contributes to about half of the State income. The rural population constitutes more than 90% of the total and about 72% depend on agriculture for the livelihood. In spite of high priority given to agriculture in the past, the result has not been uniformly satisfactory due to the ravages caused by floods. Hitherto the problems of flood and erosion have been sought to be tackled by raising and strengthening of existing embankments, construction of sluices and raised platforms, town protection works etc. These are all short term measures. The measures taken are not commensurate with the size of the problem. With a view to find out long term solution of the problem, the Brahmaputra Flood Control Board and the Brahmaputra Flood Control Commission have been set-up. But the provision available in the Fourth Plan for flood control is too meagre to tackle the problem effectively. The State Government has been demanding that the Commission should be taken over by the Centre and the problem tackled at the national level.

Slow pace of Industrialisation.

1.5. In the sphere of industrialisation, Assam continues to remain a backward State despite rich natural resources in oil, coal, water forest and other minerals. The extent of exploitation of these resources has so far been meagre. Though the investment for development of infra-structure like power, transport etc. has been substantial during the first three Plans, the investment in industries lagged behind and in particular the level of private investment has been

most disappointing. The total private sector investment including ~~the~~ tea and oil was of the order of Rs 220 crores only. Over the period 1951-69, the investment in Central Government Industrial projects in Assam was only Rs 40.2 crores or 1.6% of the All-India total of Rs 2,450 crores. The programme in the State sector has 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 Governments as the prospect of substantial private investment continues to be bleak. It is, therefore, desirable that there should be no delay in the establishment of the Bokajan Cement Factory, Paper Pulp plant, the Second Refinery and a Petro-chemical Complex and the expansion of the Namrup fertiliser factory. On the part of the State Government the funds provided in the Plan have been meagre in relation to the requirement. Setting up of a Petro-chemical unit (glue and plastics) at Namrup, a paper and pulp plant and a Caustic Soda and Chlorine Plant, Power Tillers and Agricultural Implements Project will also be undertaken in collaboration with other parties. A Sugar Mill is proposed to be set up in Cachar. The Industrial Development Corporation will be further strengthened and the development of industrial areas will be undertaken. Consultancy services will also be developed.

Unemployment

1.6. The rate of growth of unemployment has been very high due to high growth rate of population increasing pressure on land, influx of migrants and displaced persons and rapid expansion of general education. The generation of additional employment opportunities has not kept pace with the increased number of unemployed. The number of unemployed persons is, therefore, increased during each successive plan period. It has been estimated that the backlog of unemployed persons in the State at the end of the Third Five Year Plan was ~~Rs~~ 3.32 lakhs. The position has further deteriorated during the period of the three

ad-hoc annual plans and after. With view to remove the backlog of un-
employed at the end of 1968-69 and for providing employment to the
additional ~~to~~ 6.47 lakhs new entrants into the labour force during the
Fourth Plan period, the total job requirement would come to ~~to~~ 13 lakhs.
The State Fourth Plan is expected to provide opportunities for ~~to~~ 4.25
lakhs full-time jobs. The projections relating to unemployment, however,
cannot be taken as accurate as there is no full proof machinery to assess
the actual position from time to time. The Employment Exchanges statistics
can only give the trend of unemployment in the State. The highest number
of persons on the registers of the Employment Exchanges belong to the
unskilled category followed by job seekers interested in clerical and
other white-collar jobs. Unskilled labour consists mainly of unemployed
rural population and surplus tea labour. There is considerable under-
employment also in the villages. There is unemployment among Engineering
Degree and Diploma Holders. Projects like Oil Refinery, Paper mill
and Cement Factory in the Central Sector and other industries like
Petro-chemical Complex, Sugar Mill etc. and the expansion of the
activities of the Brahmaputra Flood Control Commission will generate
considerable employment opportunities. Craftsmen Training is being
intensified in view of its two fold importance of meeting the manpower
requirements of the industries and making the unemployed employable.
The crash programme of rural employment for rapid development of rural
employment opportunities in the rural areas will also help in mitigating
the problem.

Transport Bottle Necks:

1.7. Transport difficulties constitute a very serious hindrance in
maintaining supply lines to Assam which has to depend for most of her
essential commodities on supplies from outside. The river route through
Pakistan has been closed, while transport by road is costly. As Assam
has to import all its^t 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 in other parts of the country is still rising. High cost of transport is a great handicap for implementation of the development programme. The internal transport system is also far from satisfactory. Due to topography and configuration, the rail and river service cannot reach many of the important markets and business centres. Road Transport, therefore, has to play a very important role in the transport system of the State. According to the all-India road Plan, Assam is to be served by a net work of roads with a total length of about 35,200 kms. by 1981. By the end of 1968-69, the total road length under P.W.D. has been estimated to be 21.7 thousand kms. thus leaving a balance of 14.5 thousand kms. to be constructed. Many of the existing roads are inefficient in many respects like sub-standard surface, narrow carriage way, weak bridges/culverts, missing links etc. which require to be progressively eliminated.

Strategy adopted in the Fourth Plan:

1.8. In the Fourth Plan, in view of the predominance of agriculture in the States economy as well as the chronic food shortage over the past few years, highest priority has been accorded to agricultural production, its stabilisation and diversification. Programmes for rational land use, improved cropping pattern, irrigation, use of fertilizer, improved seeds, plant protection, increased credit facilities, flood control measures etc. have been included in the Fourth Plan. In the related sectors, development of livestock, forestry, soil conservation and marketing and warehousing have been emphasised as part of a diversified agricultural programme. Maximum efforts will be made to increase productivity in the agricultural sector which will in turn help provide employment to the surplus labour.

1.9. Assam has enormous potential in her rivers, coal, oil and gas for power generation. One-fourth of the hydro-power potential of India is concentrated in the Assam region alone. Yet the level of power development in Assam in total as well as in per capita terms is the lowest

amongst the States of India. The total installed generating capacity is only 1.6 per cent of the 10.17 million k.w. capacity in India. The number of villages electrified is also negligible in comparison with the rest of India. Attempt will be made during the Fourth Plan period to reduce the back-log of power development in the State and to build up the necessary potential of meeting the projected requirement at the end of 1980-81. The power programme envisaged, takes note of the requirements in the next few years. It includes thermal as well as hydel schemes and shorter as well as longer gestation schemes. A wide net work of transmission lines is also proposed to be developed. This is designed to ensure stability of power supply throughout the State so that no difficulty arises anywhere for dislocation of one of the power systems. The aim is to have ultimately a single grid for the entire State.

1.10. Small Scale Industries, Handloom, Sericulture, Khadi and Handicrafts have received increased emphasis in view of their employment potential as also to ensure dispersal of industries as well as utilisation of local skill and raw materials.

1.11. In Transport and communication, it is expected that the extension of broad gauge 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 net work, emphasis has been laid on progressive elimination of basic deficiencies like substandard surface, missing links weak and narrow bridges and culverts etc. Provision has also been made for construction of roads in connection with industries. Only one inter-State road (connecting Manipur) could be included in the State Plan.

1.12. Social Services has been given due emphasis as a part of balanced programme for development. In education along with expansion, quality improvement and work-orientation will be emphasised. In Public health, effort will be made to improve the standard of medical care and public health facilities. Construction of the buildings for the medical colleges

will be completed and expansion of training facilities of para-medical personnel will be undertaken. The Family Planning Programme will have been intensified. In Water Supply the programme will be stepped up to cover as much of the population as possible both in urban and rural areas. The weaker sections will be given more attention. A separate programme for development of hill areas has already been drawn up and included in the Plan.

1.3. In drawing up the States' Fourth Plan as well as the Annual Plans, the broad national objectives 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, the possibility of making them more employment oriented but at the same time without sacrificing the efficiency and economy of the scheme is being explored. The progress of employment generation of the State Plan schemes is also reviewed.

CHAPTER-II.

Current socio-economic situation.

2.1. The level of economic development in Assam even after implementation of Third Five Year Plans and three ad-hoc Annual Plans is extremely low compared to the All-India average. Though significant advances have been made in certain directions the State shows the typical systems of an economically backward region, viz., high pressure of population on land, exclusive dependence on agriculture, high incidence of rural under-employment of industrialisation, constant devastation caused by floods and inadequacy of economic infra-structure.

2.2 The State income and the per capita income have been indicated below:-

	Total Net Domestic product.		Per capital income.	
	At current prices.	At constant prices (1948-49)	At current prices.	At constant prices (1948-49)
	Rs.	Rs.	Rs.	Rs.
1948-49	226.2	226.2	267.7	267.7
1951-52	290.2	221.8	324.5	247.9
1956-57	303.2	269.6	294.2	261.7
1961-62	393.3	318.9	327.4	265.5
1966-67	689.3	374.2	499.9	271.4
1967-68	790.6	396.0	557.7	279.4
1968-69	810.4	419.6	556.1	287.9
1969-70 (Provisional) ..	816.6	427.5	545.1	285.4

2.3. The general price level in Assam has been rising steeply since about the beginning of the Third Plan though this is a manifestation of the All-India phenomenon of rising prices. But the upswing of the price level in the State has been more pronounced due to certain factors like rapid growth of population, transport bottlenecks and virtual dependence on outside supply for the essential consumer goods. The general index of wholesale prices for Assam (base 1953=100) rose 82.4 per cent during the period 1961-67 from 135.4 in 1961 to 247.0 in 1967. In 1968, while the All-India index indicated a declining trend of wholesale prices, in Assam prices rose by another 6.6 per cent over the previous year. The year that followed, however, witnessed a welcome reversal of the trend after more than a decade and the index of wholesale prices slumped by 7.9 per cent. The decline in the General index was by and large a result of a substantial fall in the prices of food articles (14.9 per cent), as the prices of non-food group recorded at 11.5 per cent rise during the same period. This was followed by price rise in 1970. From 229.5 in January the general index of wholesale prices rose to 250.9 in May to reach the peak at 264.2 in November; in December the index scaled down to 249.8. There has been steep rise in prices from the middle of 1971 with shortages of essential consumer goods due to interruptions in rail routes.

2.4. In spite of periodical set backs due to recurrent floods and severe drought in some parts there has been a gradual rise in foodgrain production. The production of rice, the staple food of the State, reached an all time high of 20.25 lakh tonnes in 1968-69. But due to flood and drought in 1969-70, the net production fell to 17.92 lakh tonnes. In 1970-71, the State was ravaged by several floods one after another and this affected the autumn and the winter rice crops as well as jute which is the main cash crop. Flood affected cropped area of 2.04 thousand hectares. Even then production of rice in 1970-71 at 20.16 lakhs showed substantial improvement over the previous year due to H.Y.V. Programme, recropping in the late salsi paddy season and extension of areas under Boro paddy. The production of main commercial crops viz., Jute, sugarcane reached an all time high figure in 1969-70, but in 1970-71 the net production of both the crops fell considerably. During 1971-72, it is hoped to achieve the production targets in respect of the major crops excepting paddy which has suffered serious set-back due to an unprecedented drought.

2.5. The trends in the output of certain selected items of industrial products are indicated below :-

	Unit	1963	1969	1970
1. Tea	Million Kg.	202.6	208.2	214.6
2. Sugar	-do-	3.6	5.0	6.6
3. Cement	Thousand tonnes	54.6	69.4	54.9
4. Match	Million gross boxes	3.97	5.12	5.39
5. Fertilizer	Thousand tonnes	-	24.7	27.5
(a) Urea				
(b) Ammonia sulphate	-do-	-	66.9	60.5
6. Electricity	million Kwh.	227.39	309.5*	-
7. Commercial plywood	million sq.metre	6.77	3.41	5.48

* figures relate to 1969-70.

CHAPTER-III

The Financial out look.

Fourth Five Year Plan (revised).

3.1 The Planning Commission had originally fixed a total outlay for Assam's Fourth Plan at Rs 225.50 crores made up of Rs 220.00 crores as Central assistance and Rs 5.50 crores as State's contribution. This included Rs 160.50 crores for the General Plan and Rs 65.00 crores for the Hill Plan.

3.2. After the award of the Fifth Finance Commission, in the discussion held between the Chief Minister and the Planning Commission in November 1969, the State's contribution was raised to Rs 41.75 crores consisting of Rs 16.00 crores as borrowings by Assam State Electricity Board, Rs 0.50 crores as Life Insurance Corporation loan for housing, Rs 0.25 crores as Reserve Bank of India's loan for cooperatives and Rs 25.00 crores as additional resource mobilisation by the State Government. As a result, the size of the Fourth Plan went upto Rs 261.75 crores of which Rs 191.75 crores was for the General Plan and Rs 70.00 crores for the Hill Plan.

In the context of formation of Meghalaya, the outlay for Meghalaya's Fourth Plan was fixed at Rs 38.00 crores of which Central assistance amounted to Rs 37.20 crores. Consequently, the outlay for the Hill Plan for the Hill Areas of Assam came to Rs 32.00 crores and the total Central assistance available to Assam for financing both the General Plan and the Hill Plan amounted to Rs 182.80 crores.

3.3. In the 1971-72 Annual Plan discussion held in New Delhi in January, 1971, the Finance Minister, Assam informed the Commission that it would not be possible for the State Government to mobilise additional resources of Rs 25.00 crores as contemplated earlier. The Deputy Chairman of the Planning Commission advised that in the circumstances the State Government 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 estimates of resources that would be available for the Plan. A realistic assessment was accordingly

made of the resources that can be contributed by the State Government to the Fourth Plan and the outlay on the State's Fourth Plan, 1969-74 has been revised downwards to keep it within the visible resources of Rs 206.00 crores (Central assistance Rs 182.80 crores and State's contributed Rs 23.20 crores). The total outlay of Rs 206.00 crores for the Fourth Plan includes Rs 174.00 crores for the General Plan and Rs.32.00 crores for the Hill Plan.

Annual Plan, 1971-72.

3.4. For the year 1971-72, the Planning Commission approved a plan of Rs 42.21 crores, representing Rs 36.56 crores as Central assistance and Rs 5.65 crores as State's contribution. According to the resource discussion held in New Delhi on 23rd and 24th August, 1971, the revised estimates of State's resources have come down to Rs 5.05 crores, leaving a gap of Rs 0.60 crores in the Plan of Rs 42.21 crores.

Draft Annual Plan, 1972-73.

3.5 The Draft Annual Plan for 1972-73 has been drawn up taking into account the various needs and the physical targets sought to be achieved by the end of the Fourth Plan under different sectors of development. The programmes and schemes included in the Draft Plan under various sectors aggregate to an outlay of Rs 50.61 crores, made up of Rs 43.14 crores for the General Plan and Rs 7.47 crores for the Hill Plan. It aims (i) to secure early completion of all continuing schemes, (ii) to provide for the requirement of industrial and power projects which are expected to promote industrial development and ensure better employment opportunities (iii) to maintain the tempo of development already reached in other sectors of development and (iv) to quicken the pace of all round development in the Hill Areas of Assam with a view to bring them on par with the rest of the State.

3.6. As decided in the resource discussion held in New Delhi on August 23 and 24, 1971, the State Government is expected to contribute Rs 5.20 crores from its resources as detailed below:-

(Rs. in crores)

1. Negotiated loan -	
(a) by State Government from -	
(i) Life Insurance Corpn.	0.12
(ii) Reserve Bank of India	0.20
	Total:- 0.32
(b) by Assam State Electricity Board -	
(i) Market borrowing -	2.22
(ii) Life Insurance Corpn. -	1.50
	Total:- 3.72
2. Additional resource mobilisation by	
State Government	1.16
	<u>Total State contribution</u> 5.20

Meanwhile the Planning Commission in their letter No. PC(P)4/71 dated 7-10-71 have asked the State Government to frame the draft the Draft Annual Plan proposals for 1972-73 with a Central assistance at current year's level of Rs 36.56 crores which is 20% of the total Central assistance for the State Fourth Plan. The State Government have also been asked to prepare alternative proposals on the understanding that the quantum of Central assistance may be increased to Rs 40.89 crores which works out to 22.37% of the total Central assistance. The State Government feel that the core Plan with a Central assistance of Rs 36.56 crores would virtually bring to a halt all development programmes which are in an advanced stage of implementation and therefore it is unacceptable to the State Government considering the backwardness of the State especially in the fields of Industries and Power and also inadequacy in the matter of transport facilities in this Border State, the Planning Commission is requested to raise the quantum of Central assistance to at least Rs. 45 crores for next year so as to enable the State Government to implement the programmes included in the Draft Plan; this will not involve increase of the total Central assistance for the IV Plan beyond 182.8 crores.

CHAPTER-IV.

The Sectoral Programmes.

A brief review of the working of important programmes, the *program of* continuing schemes and the financial allocations envisaged as well as physical objectives for important programmes to be continued ^{also} or initiated in the 1972-73 have been indicated in the sectoral write-up separately.

CHAPTER-V.

Programme for Backward Areas/Communities.

In Assam, there is a preponderance of population belonging to scheduled castes, scheduled tribes and other backward classes and there are number of backward areas and pockets. For the three Hill districts inhabited by the scheduled Tribes there is a separate Hill Plan where details of the programmes for them have been discussed. Programmes for the plains tribals, scheduled castes and other backward classes have been discussed in the sectoral write-up under "Welfare of Backward Classes". Programmes for the small farmers, landless labourers, dry farmers and also for urban/rural craftsman have been discussed in the sectoral write-ups. Position regarding the unemployment situation has been discussed earlier in para 1.6.

CHAPTER-VI.

Formulation of district/sub-divisional plans.

6.1. As advised by the Planning Commission, the State Government of Assam have taken up planning from the sub-divisional/district levels. Four such plan formulation, the basic data relating to the different physico-geographical and economic conditions prevailing in the different regions of the State are being collected. A long term plan will be prepared to meet the development needs in different sectors and for different areas as well as for backward areas and communities, with the object of drawing up a balanced development programme for all areas and communities in the State. Attempt will be made to prepare a long-term perspective plan for the district/sub-divisions indicating

the economic activities to be promoted in the District/Subdivision the measure to be taken to develop and conserve natural resources and build-up infra-structural facilities and social services. Attempt is being made to prepare an integrated programme of action, i.e., an operational plan, on the basis of a careful analysis of existing conditions immediate problems, short-term priorities and available resources.

6.2. ^{F.V.} The preparation of district plans, proposals for strengthening the district staff is under consideration of the Government. As the sub-division has been taken as the unit of planning in Assam action is also underway to establish sub-divisional statistical offices to ensure sub-division-wise collection of statistical data.

6.3. It has been decided to set up a State Planning Board with whole-time members. The details are being worked out.

6.4. The Planning Board for the Hill Areas of Assam constituted in 1966 in pursuance of the recommendation of the Joint-Centre State Study Team which was headed by Shri Tadok Singh the ~~Member~~ Member of the Planning Commission is being continued with a view to securing advice on various aspects of development in the Hill Areas. The Advisory Council for the Autonomous Districts of Assam continues to provide guidelines in regard to development activities in the Hill Districts.

BR/9/11/71

State - Assam

DRAFT ANNUAL PLAN 1972-73
Outlay and Expenditure

Statement-I
(Rs. lakhs)

Sl No	Head/Sub-head.	Fourth Plan outlay 1969-74	Actual Expenditure		1971-72		1972-73 - Proposed outlay.		
			1969-70	1970-71	Approved	Anticipated Expend.	Total	Capital	Foreign exchange
1	2	3	4	5	6	7	8	9	10
1.	Agricultural Research and Education.								
	General	164.69	25.04	296.07	29.70	29.70	35.00	8.50	-
	Hill	15.87	1.85	2.02	3.00	3.00	4.50	1.50	-
	<u>Total</u>	180.56	26.89	31.09	32.70	32.70	39.50	10.00	-
2.	Agricultural Production.								
	General	795.31	152.37	132.93	176.60	176.60	166.99	36.10	2.00
	Hill	273.99	39.15	55.97	58.00	58.00	59.83	11.75	-
	<u>Total</u>	1069.30	191.52	188.90	234.60	234.60	226.82	47.85	2.00
3.	Small Farmers & Agricultural Labourers								
	General	-	-	-	-	-	-	-	-
	Hill	-	-	-	-	-	-	-	-
	<u>Total</u>	-	-	-	-	-	-	-	-
4.	Land Reforms								
	General	160.00	19.92	22.64	21.50	21.50	47.50	-	-
	Hill	10.14	2.99	1.15	2.00	2.00	2.00	-	-
	<u>Total</u>	170.14	22.91	23.79	23.50	23.50	49.50	-	-
5.	Minor Irrigation:-								
	(a) by Agriculture Department.								
	General	400.00	38.43	61.04	93.30	93.30	98.92	94.17	-
	Hill	70.00	15.39	14.49	11.00	11.00	13.62	12.10	-
	<u>Total</u>	470.00	53.82	75.53	104.30	104.30	112.54	106.27	-

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	140.00	140.00	150.00	150.00	-
Hill		45.00	9.41	5.09	11.00	11.00	9.00	9.00	-
<u>Total</u>		645.00	69.41	80.09	151.00	151.00	159.00	159.00	
6. Soil Conservation.									
General		105.00	9.96	17.42	20.50	20.50	25.18	18.46	-
Hill		200.00	25.38	37.42	40.00	40.00	49.20	30.18	-
<u>Total</u>		305.00	35.34	54.84	60.50	60.50	74.38	48.64	-
7. Area Development.									
General		13.00	0.40	1.00	5.60	5.60	3.00	2.00	-
Hill		-	-	-	-	-	-	-	-
<u>Total</u>		13.00	0.40	1.00	5.60	5.60	3.00	2.00	-
8. Animal Husbandry									
General		340.00	47.08	55.46	65.40	65.40	76.06	17.05	1.00
Hill		92.00	15.49	17.53	18.00	18.00	20.48	3.80	-
<u>Total</u>		432.00	62.57	72.99	83.40	83.40	96.54	20.85	1.00
9. Dairying & Milk Supply.									
General		70.00	13.00	11.52	17.70	17.70	13.78	3.50	-
Hill		8.00	-	0.60	2.00	2.00	2.52	0.90	-
<u>Total</u>		78.00	13.00	12.12	19.70	19.70 19.70	16.30	4.40	-
10. Forests.									
General		265.00	36.93	48.75	55.10	55.10	58.83	39.87	-
Hill		50.00	8.69	11.71	9.00	9.00	10.00	5.36	-
<u>Total</u>		315.00	45.62	60.46	64.10	64.10	68.83	45.23	-

	2	3	4	5	6	7	8	9	10
Fisheries.									
General		100.00	10.47	14.21	23.30	23.30	25.00	8.50	2.50
Hill		10.00	0.40	1.18	2.00	2.00	5.00	1.26	-
<u>Total</u>		110.00	10.87	15.39	25.30	25.30	28.00	9.76	2.50
Warehousing & Marketing									
General		20.00	-	4.00	3.75	3.75	9.00	-9.00	-
Hill		-	-	-	-	-	-	-	-
<u>Total</u>		20.00	-	4.00	3.75	3.75	9.00	9.00	-
Total Agricultural Programmes.									
General		3033.00	413.60	473.04	652.45	652.45	709.26	287.15	5.50
Hill		775.00	118.75	147.16	156.00	156.00	174.15	75.85	-
<u>Total</u>		3808.00	532.35	620.20	808.45	808.45	883.41	463.00	5.50
Cooperation									
General		344.00	21.09	64.96	64.40	64.40	88.00	51.36	-
Hill		55.00	9.20	3.84	10.50	10.50	12.00	2.45	-
<u>Total</u>		399.00	30.29	68.80	74.90	74.90	100.00	53.81	-
Community Development.									
General		215.00	54.54	37.74	46.70	46.70	88.00	51.36 10.37	-
Hill		75.50	17.40	13.43	15.50	15.50	14.00	2.27	-
<u>Total</u>		290.50	71.94	51.17	62.20	62.20	62.00	12.64	-
Panchayat.									
General		60.00	4.81	5.09	11.20	11.20	17.49	4.63	-
Hill		2.50	-	0.08	0.50	0.50	0.74	-	-
<u>Total</u>		62.50	4.81	5.17	11.70	11.70	18.23	4.63	-

contd.....4

1	2	3	4	5	6	7	8	9	10
<u>Total Cooperation & C.D.</u>									
General		619.00	80.44	107.79	122.30	122.30	153.49	66.36	-
Hill		133.00	26.60	17.35	26.50	26.50	26.74	4.72	-
<u>Total</u>		752.00	107.04	125.14	148.80	148.80	180.23	71.08	-
1. Irrigation.									
General		490.00	55.00	55.00	112.00	112.00	125.00	125.00	-
Hill		67.00	15.30	5.88	11.00	11.00	15.00	15.00	-
<u>Total</u>		557.00	70.30	60.88	123.00	123.00	140.00	140.00	-
2. Flood Control									
General	Brahmaputra	1989.00	489.66	510.00	460.00	460.00	529.34	529.34	-
	Barak.	450.00	53.15	70.00	63.00	63.00	110.00	110.00	-
Hill		45.00	-	-	14.00	14.00	15.00	15.00	-
<u>Total</u>		2484.00	542.81	580.00	537.00	537.00	654.34	654.34	-
3. Power.									
General		3339.00	717.55	627.70	709.00	709.00	706.00	697.00	9.00
Hill		229.00	32.02	36.98	47.00	47.00	61.48	61.48	-
<u>Total</u>		3568.00	749.57	664.68	756.00	756.00	767.48	758.48	9.00
<u>Total - Irrigation & Power.</u>									
General		6268.00	1315.36	1262.70	1344.00	1344.00	1470.34	1461.34	9.00
Hill		341.00	47.32	42.86	72.00	72.00	91.48	91.48	-
<u>Total</u>		6639.00	1362.68	1305.56	1416.00	1416.00	1561.82	1552.82	9.00
1. Large & Medium Industries & Weights & Measures.									
General		1270.00	148.50	195.10	224.00	224.00	395.03	376.50	166.50
Hill		-	-	-	-	-	-	-	-
<u>Total</u>		1270.00	148.50	195.10	224.00	224.00	395.03	376.50	166.50

1	2	3	4	5	6	7	8	9	10
2. Mineral Development.									
General		75.00	10.59	12.70	14.95	14.95	17.00	-	1.25
Hill		-	-	-	-	-	-	-	-
<u>Total</u>		75.00	10.59	12.70	14.95	14.95	17.00	-	1.25
3. Village & Small Industries :- (a) Cottage Industries									
General	184.00		22.00	17.00	32.25	32.25	57.58	48.43	-
Hill		70.00	14.48	10.61	13.50	13.50	15.00	4.04	-
<u>Total</u>		254.00	36.48	27.61	45.75	45.75	72.58	52.47	-
(b) Sericulture & Weaving.									
General		120.00	8.30	14.09	23.35	23.35	48.37	4.03	0.13
Hill		17.50	1.15	2.96	3.25	3.25	4.50	-	-
<u>Total</u>		137.50	9.45	17.05	26.60	26.60	52.87	4.03	0.13
(c) Cooperative Handloom.									
General		100.00	10.96	22.59	22.40	22.40	21.10	9.10	-
Hill		3.00	0.47	0.52	0.53	0.53	0.53	0.12	-
<u>Total</u>		103.00	11.43	23.11	22.95	22.95	21.73	9.22	-
(d) Khadi & Village Industries.									
General		20.00	3.00	4.10	4.15	4.15	4.40	-	-
Hill		4.50	0.55	1.06	1.20	1.20	1.00	-	-
<u>Total</u>		24.50	3.55	5.16	5.35	5.35	5.40	-	-
Total - Industry & Mining:									
General		1769.00	203.35	265.58	321.10	321.10	543.48	438.06	167.88
Hill		95.00	16.65	15.15	18.50	18.50	21.13	4.16	-
<u>Total</u>		1864.00	220.00	280.73	339.60	339.60	564.61	442.22	167.88

1	2	3	4	5	6	7	8	9	10
1. Roads.									
General		1275.00	223.72	344.38	*257.35	*257.35	295.10	290.10	*It includes a provision of Rs.9.35 Lakhs for A.G.C.C.
Hill		1055.00	135.76	210.75	195.50	195.50	250.44	242.44	-
<u>Total</u>		2330.00	359.48	555.13	452.85	452.85	545.54	532.54	-
2. Road Transport & Transport Survey Unit.									
General (R.T.)		363.00	24.57	55.06	88.75	88.75	99.30	98.50	-
General (T.S.U.)		3.00	0.25	0.22	0.85	0.85	0.90	-	-
Hill		44.00	10.16	4.30	9.00	9.00	9.00	6.00	-
<u>Total</u>		410.00	34.98	70.58	98.60	98.60	109.20	104.50	-
3. Other Transport (I.W.T.)									
General		85.00	7.00	9.40	18.60	18.60	22.80	12.20	-
Hill		15.00	1.00	0.90	4.00	4.00	4.50	2.95	-
<u>Total</u>		100.00	8.00	10.30	22.60	22.60	27.30	15.15	-
4. Tourism									
General		30.00	2.00	2.87	6.55	6.55	9.25	5.75	-
Hill		2.00	-	-	0.50	0.50	0.75	0.75	-
<u>Total</u>		32.00	2.66	2.87	7.05	7.05	10.00	6.50	-
<u>Total - Transport & Communications.</u>									
General		1756.00	258.20	422.93	372.10	372.10	427.35	406.55	-
Hill		1116.00	146.92	215.95	209.00	209.00	264.69	252.14	-
<u>Total</u>		2872.00	405.12	638.88	581.10	581.10	692.04	658.69	-
1. General Education & Cultural Programme.									
General		1575.00	184.51	238.42	296.80	297.80	374.00	38.59	-
Hill		270.00	24.85	45.00	58.75	58.75	65.00	15.75	-
<u>Total</u>		1845.00	209.36	283.42	355.55	356.55	439.00	54.34	-

1	2	3	4	5	6	7	8	9	10
2. Technical Education.									
General		173.00	19.13	20.75	39.20	27.18	47.98	29.68	-
Hill		10.00	0.64	0.46	1.75	1.75	3.05	3.05	-
<u>Total</u>		183.00	19.77	21.21	40.95	28.93	51.03	32.73	-
3. Health									
General		688.00	67.79	121.70	114.80	114.80	177.71	119.87	-
Hill		120.00	10.72	12.79	30.00	30.00	31.19	12.71	-
<u>Total</u>		808.00	78.51	134.49	144.80	144.80	208.90	132.58	-
4. Water Supply									
General		429.00	23.86	43.86	86.00	68.17	135.05	135.05	-
Hill		175.00	12.42	29.07	39.00	39.00	43.26	34.82	-
<u>Total</u>		604.00	36.28	72.93	125.00	107.17	178.31	169.87	-
5. Housing									
General		100.00	7.27	9.97	24.00	24.00	28.63	25.86	-
Hill		14.00	5.04	3.44	3.00	3.00	1.25	1.10	-
<u>Total</u>		114.00	12.41	13.41	27.00	27.00	29.88	26.96	-
6. Urban Development.									
General		210.00	19.53	29.73	37.00	37.00	51.59	50.85	-
Hill		32.00	9.31	6.30	6.00	6.00	5.00	-	-
<u>Total</u>		242.00	28.84	36.03	43.00	43.00	56.59	50.85	-
7. Welfare of Backward Classes.									
General		500.00	78.35	94.10	105.00	105.00	108.61	-	-
Hill		-	-	-	-	-	-	-	-
<u>Total</u>		500.00	78.35	94.10	105.00	105.00	108.61	-	-

contd.....8

1	2	3	4	5	6	7	8	9	10
8. Social Welfare.									
General	40.00	1.33	4.36	11.20	9.06	11.00	3.95	-	-
Hill	5.50	0.70	1.05	1.25	1.25	1.25	-	-	-
<u>Total</u>	45.50	2.04	5.41	12.45	10.31	12.25	3.95	-	-
9. Labour & Labour Welfare.									
(a) Labour.									
General	10.00	0.76	1.71	2.00	2.00	2.65	1.58	-	-
Hill	-	-	-	-	-	-	-	-	-
<u>Total</u>	10.00	0.76	1.71	2.00	2.00	2.65	1.58	-	-
(b) Employment.									
General	6.00	0.08	0.37	1.00	1.00	1.55	-	-	-
Hill	3.00	0.06	0.37	0.60	0.60	0.87	-	-	-
<u>Total</u>	9.00	0.14	0.74	1.60	1.60	2.42	-	-	-
(c) Craftsmen Training.									
General	48.00	5.80	6.00	10.25	12.00 10.25*	12.00	11.19	-	-
Hill	10.00	0.90	0.50	2.15	2.15	2.82	2.34	-	-
<u>Total</u>	58.00	6.70	6.50	12.40	12.40	14.82	13.53	-	-
(d) Employees State Insurance.									
General	6.00	1.13	1.00	1.00	1.00	1.30	-	-	-
Hill	-	-	-	-	-	-	-	-	-
<u>Total</u>	6.00	1.13	1.00	1.00	1.00	1.30	-	-	-

contd.....10

1	2	3	4	5	6	7	8	9
(c) Assam Government Press.								
General		42.00	-	3.50	12.50	12.50	14.00	13.00
Hill		-	-	-	-	-	-	-
<u>Total</u>		42.00	-	3.50	12.50	12.50	14.00	13.00
(d) Others								
General		-	-	-	-	-	-	-
Hill		100 80.00	18.35	25.63	15.20	15.20	9.55	-
Total		80.00	18.35	25.63	15.20	15.20	9.55	-
Total Miscellaneous:								
General		170.00	9.57	16.48	36.80	37.43	57.88	33.15
Hill		100.50	20.59	28.20	19.50	19.50	15.03	0.70
Total		270.50	30.16	44.68	56.30	56.93	72.91	33.85
<u>GRAND TOTAL</u>								
General		17400.00	26,90.17	3120.49	3577.00	3546.64	4513.87	3208.83 182.3
Hill		3200.00	441.47	565.65	644.00	644.00	746.91	498.82 .
<u>Total</u>		20600.00	3131.64	3686.14	4221.00	4190.64	5060.78	3707.65 182.3

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State - Assam.

DRAFT ANNUAL PLAN - 1972-73
Programme-wise outlay and expenditure

Statement-II
(Rs. in lakhs)

Sl No.	Programme.	Fourth Plan Outlay (1969-74)		Actual Expenditure.				1971-72				1972-73	
		General	Hill	1969-70		1970-71		Approved outlay		Anticipated Expendr.		Proposed outlay	
				General	Hill	General	Hill	General	Hill	General	Hill	General	Hill
1	2	3	4	5	6	7	8	9	10	11	12	13	14
I- Agricultural Programmes.													
i) Agricultural Education & Research													
1)	Agriculture Education.	139.10	-	18.57	-	24.50	-	25.00	-	25.00	-	30.00	-
2)	-do- Research.	25.59	15.87	6.47	1.85	4.57	2.02	4.70	5.00	4.70	3.00	5.00	-4.50
	Total (1 & 2) :	164.69	15.87	25.04	1.85	29.07	2.02	29.70	5.00	29.70	3.00	35.00	4.50
ii) Agriculture													
1)	Extension, Training & farmers' Education.	147.22	45.62	24.70	4.58	25.07	9.09	32.65	10.35	52.65	10.35	33.35	10.35
2)	Improved Seed Programme.	49.72	56.83	22.47	8.50	11.00	14.03	10.75	11.30	10.75	11.30	4.55	11.50
3)	Manures & Fertilisers.	33.99	17.08	3.85	1.34	3.38	1.90	7.10	4.31	7.10	4.31	9.84	4.63
4)	Plant Protection.	42.70	12.00	6.22	1.58	5.48	3.07	9.00	2.35	9.00	2.35	10.00	2.50
5)	Agricultural implements & Machinery including Agro-Industries Corporation.	39.34	10.72	3.25	1.12	2.58	1.95	14.55	2.65	14.55	2.65	9.50	2.50
6)	Horticulture.	30.70	13.64	3.89	2.10	4.34	2.89	6.70	2.65	6.70	2.65	7.25	3.00
7)	Agri. Statistics.	79.44	0.44	12.79	-	12.65	-	16.50	0.10	16.50	0.10	18.00	0.15
8)	HVP, IADP, Multiple cropping & other Intensive Cultivation Programmes.	130.82	6.85	23.02	1.00	22.83	0.60	27.55	1.50	27.55	1.50	28.50	1.75
9)	Land Development.	115.99	30.63	33.08	7.31	23.21	7.07	26.20	5.80	26.20	5.80	16.50	5.20
10)	Land Reforms (including consolidation of holdings)	160.00	10.14	19.92	2.99	22.64	1.15	21.50	2.00	21.50	2.00	47.50	2.00
11)	Others.	125.39	72.08	19.10	10.89	21.49	12.60	25.60	15.49	25.60	15.49	29.50	16.25
	Total (1 to 11)	955.31	276.03	172.29	41.41	155.57	55.25	198.10	58.50	198.10	58.50	214.49	59.83
iii) Minor Irrigation													
1)	Constn./repair of percolation wells.	3.61	-	0.11	-	0.50	-	1.00	-	1.00	-	1.00	-
2)	Boring of wells.	-	-	-	-	-	-	-	-	-	-	-	-

CENTRAL LIBRARY
10-04-2002

SECRETARIAT

1	2	3	4	5	6	7	8	9	10	11	12	13	14
3) Constn. of tubewells.	21.65	-	-	2.40	-	3.00	-	4.30	-	4.30	-	5.45	-
4) Lift irrigation from streams, reservoirs, etc.										4.30			
5) Installation of electric pumps.	206.00	25.45		17.09	6.36	34.06	6.99	48.00	3.60	48.00	5.60	50.00	4.00
6) Installation of diesel pumps													
7) Others	600.00	-		60.00	-	75.00	-	140.00	2.00	140.00	-	150.00	-
Total (1 to 7)	1000.00	115.00	18.85	98.43	24.80	136.04	19.58	233.30	22.00	233.30	22.00	248.92	22.62
iv) Soil Conservation.	105.00	200.00		9.96	25.38	17.42	37.42	20.50	40.00	20.50	40.00	25.18	49.20
v) Area Development.	13.00	-		0.40	-	1.00	-	5.60	-	5.60	-	3.00	-
vi) Animal Husbandry	340.00	92.00		47.08	15.49	53.65	17.53	65.40	10.00	65.40	16.00	76.06	20.48
vii) Dairying & Milk Supply.	70.00	8.00		13.00	-	11.52	0.60	17.70	2.00	17.70	2.00	13.78	2.52
viii) Forests.	265.00	50.00		36.93	8.69	48.75	11.71	55.10	9.00	55.10	9.00	58.83	10.00
ix) Fisheries.	100.00	10.00		10.47	0.40	14.21	1.18	23.30	2.00	23.30	2.00	25.00	3.00
x) Warehousing & Storage.	20.00	-		-	-	4.00	-	3.75	-	3.75	-	9.00	-
xi) Marketing (shown against 11- Others)	-	8.10		-	0.73	-	1.87	-	1.50	-	1.50	-	2.00
xii) Small Farmers & Agri. Labour.	-	-		-	-	-	-	-	-	-	-	-	-
xiii) Cooperation.													
1) Agricultural Credit	141.74	93.98	0.95	5.89	-	25.86	0.34	28.10	0.25	28.10	0.25	37.69	0.35
2) Marketing	30.65	46.22	8.70	3.51	0.79	6.03	1.48	7.52	2.35	7.62	2.35	7.37	2.75
3) Processing other than sugar factories & large processing units.	53.00	-	-	1.75	-	15.53	-	7.00	-	7.00	-	13.50	-
4) Coop. Sugar factories.	16.00	-	-	-	-	2.04	-	8.00	-	8.00	-	7.00	-
5) Coop. Farming.	11.00	-	-	0.25	-	1.20	-	1.00	-	1.00	-	3.50	-
6) Urban Consumer Coops.	26.00	-	-	2.34	-	5.15	-	4.08	-	4.08	-	7.00	-
7) Coop. Storage.	16.00	-	-	1.50	-	3.96	-	2.10	-	2.10	-	2.94	-
8) Addl. Departmental staff.	15.20	3.00		1.14	0.14	2.00	0.04	3.00	0.80	3.00	0.80	3.50	0.62
9) Others.	29.00	42.35		4.71	8.27	3.19	1.98	3.60	7.10	3.60	7.10	5.50	8.28
Total (1 to 9)	344.00	55.00		21.09	9.20	64.96	3.84	64.40	10.50	64.40	10.50	88.00	12.00
xiv) Community Development.	215.00	75.50		54.54	17.40	37.74	13.43	46.70	15.50	46.70	15.50	48.00	14.00
xv) Panchayats.	60.00	2.50		4.81	-	5.09	0.08	11.20	0.50	11.20	0.50	17.49	0.74
Total (i) to (xv)	3652.00	908.00		494.04	145.80	580.83	164.51	774.75	182.50	774.75	182.50	862.75	200.89

II. Irrigation and Power.

I. Irrigation.

a) **Expenditure on projects**

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	2	3	4	5	6	7	8	9	10	11	12	13	14
i) Handicrafts.		5.50	3.13	0.46	-	0.52	0.23	1.25	1.00	1.25	1.00	1.53	0.80
ii) Sericulture		85.00	13.35	7.30	0.75	12.48	2.26	18.35	2.51	18.35	2.51	33.88	3.46
iii) Coir Industry		-	-	-	-	-	-	-	-	-	-	-	-
iv) Khadi & Village Industries		20.00	4.50	3.00	0.55	4.10	1.06	4.15	1.20	4.15	1.20	4.40	1.00
Total (i to iv)		424.00	95.00	44.26	16.65	57.78	15.15	82.15	18.50	82.15	18.50	131.45	21.13
vi) Mineral Development		75.00	-	10.59	-	12.70	-	14.95	-	14.95	-	17.00	-
Total (i to vi)		1769.00	95.00	203.35	16.65	265.58	15.15	321.10	18.50	321.10	18.50	543.48	21.13
(1) Roads													
Spill-over		159.00	446.00	80.00	80.50	30.00	111.89	20.40	117.20	20.40	117.20	17.80	136.41
New		1116.00	609.00	143.72	55.26	314.38	98.86	227.60	78.30	227.60	78.30	277.30	114.03
Total		1275.00	1055.00	223.72	135.76	344.38	210.75	248.00	195.50	248.00	195.50	295.10	250.44
of which													
a) Rural Roads.		631.00	244.45	142.40	80.78	172.50	50.75	138.40	40.50	138.40	40.50	101.58	57.44
b) Others		644.00	810.55	81.30	105.00	171.88	160.00	109.60	155.00	109.60	155.00	193.52	193.00
Road Transport		363.00	22.00	24.57	5.00	66.06	1.05	99.75	5.00	88.75	5.00	99.30	5.00
Ports & Harbours		-	-	-	-	-	-	-	-	-	-	-	-
Tourism		30.00	2.00	2.66	-	2.87	-	6.55	0.50	6.55	0.50	9.25	0.75
Total (1 to 4)		1668.00	1079.00	150.95	140.76	413.31	211.80	343.30	201.00	343.30	201.00	403.65	256.19
(2) General Education													
Elementary Education		570.65	93.76	58.00	7.16	74.45	17.56	113.34	22.55	113.34	22.55	152.17	21.69
Secondary Education		304.83	78.86	21.87	8.33	41.78	16.63	49.54	16.96	49.54	16.96	71.17	17.22
University Education		459.53	49.66	53.43	7.47	70.67	5.83	86.34	8.16	86.34	8.16	114.72	12.90
Teachers' Training													
a) Elementary		44.39	10.26	2.34	0.18	1.43	1.73	5.66	3.10	5.66	3.10	9.56	2.00
b) Secondary		34.79	6.08	5.27	0.55	5.22	0.99	7.28	1.00	7.28	1.00	7.76	1.54
Social Education		12.44	18.84	1.48	0.40	2.36	1.17	2.24	3.52	2.24	3.52	3.34	6.50
Other Educational Programmes		127.37	8.07	10.35	0.10	23.07	0.61	27.59	2.33	28.59	2.33	31.28	2.35
Cultural Programmes.		21.00	4.47	3.05	0.66	4.77	0.48	4.81	1.13	4.81	1.13	4.00	0.80
P.W.D. Projects.....		-	-	28.72	-	10.57	-	-	-	-	-	-	-
Total (1 to 8)		1575.00	270.00	184.51	24.85	238.42	45.00	296.80	58.75	297.80	58.75	374.00	65.00
ii) Technical Education		173.00	10.00	19.13	0.64	20.75	0.46	39.20	1.75	27.18	1.75	47.98	3.05
Total (i) & (ii)		1748.00	280.00	203.64	25.49	259.17	45.46	336.00	60.50	324.98	60.50	421.98	68.05

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
I - Health													
1) Medical Education	368.00	-	46.24	-	82.28	-	72.38	-	74.38	-	90.00	-	-
2) Training Programmes	18.00	11.17	1.63	0.48	2.00	1.12	3.50	2.90	3.50	2.90	6.87	3.40	-
3) Hospitals & Dispensaries	94.43	81.01	9.78	8.16	11.00	6.05	11.85	18.80	9.85	18.80	18.75	21.44	-
4) Primary Health Centres	171.36	11.83	8.15	-	25.00	0.68	21.50	3.45	21.50	5.45	49.00	2.82	-
5) Indigenous system of medicine	9.46	-	0.52	-	0.62	-	1.92	-	1.92	-	2.64	-	-
6) Other Programmes	26.75	15.99	1.47	2.08	0.80	2.94	3.65	4.85	3.65	4.85	10.45	3.53	-
Total (1 to 6)	608.00	120.00	67.79	10.72	121.70	12.79	114.80	30.00	114.80	30.00	177.71	31.19	-
II - Water Supply & Sanitation													
1) Urban													
a) Water Supply	209.00	79.09	15.33	7.71	32.76	18.85	53.70	20.00	39.77	20.00	53.46	20.00	-
b) Sewerage & Drainage	90.00	-	2.69	-	2.26	-	9.00	-	9.00	-	36.05	-	-
2) Rural													
a) Piped Water Supply.	100.00	95.91	3.64	4.71	4.84	10.22	19.30	19.00	15.40	19.00	35.74	23.26	-
b) Wells & Handpumps	16.00	-	2.20	-	2.00	-	2.00	-	2.00	-	4.80	-	-
Total (1 & 2)	415.00	175.00	23.86	12.42	41.86	29.07	84.00	39.00	66.17	39.00	130.05	43.26	-
III - Housing.													
1) Subsidised Industrial Housing.	8.31	-	0.90	-	0.36	-	1.05	-	1.05	-	2.13	-	-
2) Low Income Group Housing	46.34	6.16	2.25	2.00	4.99	1.11	14.10	1.80	14.10	1.80	14.00	0.65	-
3) Village Housing Projects	6.42	0.61	0.33	0.04	0.36	-	1.73	0.20	1.73	0.20	1.75	0.20	-
4) Plantation Labour Housing	-	-	-	-	-	-	-	-	-	-	-	-	-
5) Slum Clearance	-	-	-	-	-	-	-	-	-	-	-	-	-
6) Others	38.93	7.23	3.89	3.00	4.26	2.33	7.12	1.00	7.12	1.00	10.75	0.40	-
Total (1 to 6)	100.00	14.00	7.37	5.04	9.97	3.44	24.00	3.00	24.00	3.00	28.63	1.25	-
IV - Town Planning & Urban Dev.													
1) Town Planning	7.99	-	0.28	-	0.36	-	0.60	-	0.60	-	0.74	-	-
2) Urban Development.	202.01	32.00	19.25	9.31	29.37	6.30	36.40	6.00	36.40	6.00	51.59	5.00	-
Total (1 & 2)	210.00	32.00	19.53	9.31	29.73	6.30	37.00	6.00	37.00	6.00	51.59	5.00	-
V - Welfare of Backward Classes													
1. Scheduled Tribes (plains)													
a) Education	103.50	-	17.52	-	23.50	-	20.00	-	20.00	-	23.50	-	-
b) Economic Uplift.	114.75	-	11.65	-	15.72	-	23.70	-	23.70	-	26.04	-	-
c) Housing	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Health & other schemes	71.25	-	12.19	-	10.95	-	17.60	-	17.60	-	14.46	-	-

contd.....6

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	2	3	4	5	6	7	8	9	10	11	12	13	14
Scheduled Castes:													
a) Education	61.50	-	11.20	-	12.20	12.20	12.20	-	12.20	-	12.70	-	-
b) Economic Uplift	12.80	-	0.80	-	1.73	2.45	2.45	-	2.45	-	3.40	-	-
c) Housing	13.40	-	2.20	-	2.50	2.70	2.70	-	2.70	-	3.00	-	-
d) Health & other schemes	23.80	-	3.79	-	6.40	5.65	5.65	-	5.65	-	4.15	-	-
Other Backward Classes													
a) Education	99.00	-	19.00	-	21.10	20.70	20.70	-	20.70	-	21.36	-	-
b) Economic Uplift	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Housing	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Health & other schemes.	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (1 to 3)	500.00	-	78.35	-	94.10	105.00	105.00	-	105.00	-	108.61	-	-
II - Social Welfare													
1) Child Welfare	12.55	-	-	-	1.37	3.50	3.40	-	3.40	-	5.00	-	-
2) Women Welfare	7.60	-	-	-	0.13	4.15	3.40	-	3.40	-	2.25	-	-
3) Social Defence	5.41	0.47	0.25	0.03	1.32	0.08	0.55	0.12	0.45	0.12	0.45	0.12	0.12
4) Welfare of physically and mentally handicapped	7.75	-	0.58	-	0.24	1.20	0.55	-	0.55	-	1.35	-	-
5) Grant-in-aid to Voluntary Organisations	5.10	4.81	0.30	0.61	1.20	0.94	1.20	1.09	1.20	1.09	1.30	1.09	1.09
6) Training & Administration	1.30	0.22	0.10	0.06	0.07	0.03	0.50	0.06	0.06	0.04	0.60	0.04	0.04
7) Others	0.29	-	0.11	-	0.03	-	0.10	-	-	-	0.05	-	-
Total (1 to 7)	40.00	5.50	1.34	0.70	4.36	1.05	11.20	1.25	9.06	1.25	11.00	1.25	1.25
III - Craftsmen Training and Labour Welfare													
1) Craftsmen Training	47.99	10.00	5.80	0.90	6.00	0.50	10.25	2.15	10.25	2.15	12.00	2.82	2.82
2) Rural Training Institutes.	0.01	-	-	-	-	-	-	-	-	-	-	-	-
3) Employment Service Schemes	6.00	3.00	0.08	0.06	0.37	0.37	1.00	0.60	1.00	0.60	1.55	0.87	0.87
4) Labour Welfare/Administration	10.00	-	0.76	-	1.71	-	2.00	-	2.00	-	2.65	-	-
5) Employees State Insurance	6.00	-	1.13	-	1.00	-	1.00	-	1.00	-	1.30	-	-
6) Others	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (1 to 6)	70.00	13.00	7.77	0.96	9.08	0.87	14.25	2.75	14.25	2.75	17.50	3.69	3.69
III - Information & Publicity													
1) Community Listening Schemes	1.53	0.26	0.20	0.03	0.17	-	0.36	0.05	0.36	0.05	0.50	0.10	0.10
2) Others	38.47	7.74	6.56	0.80	3.63	0.71	6.19	1.75	6.19	1.75	14.27	2.15	2.15
Total (1 & 2)	40.00	8.00	6.76	0.83	3.80	0.71	6.55	1.80	6.55	1.80	14.77	2.25	2.25

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-A-

1	2	3	4	5	6	7	8	9	10	11	12	13	14
XIV - <u>Education</u>		4.00	-	-	-	0.20	-	1.00	-	1.00	-	1.30	-
XV - <u>Statistics</u>		14.00	-	1.31	-	2.60	-	2.80	-	3.43	-	4.74	-
XVI - <u>Social and Backward Areas.</u>		-	-	-	-	-	-	-	-	-	-	-	-

B/r23/9/71.

STATE: ASSAM DRAFT ANNUAL PLAN-1972-73, (GENERAL AREAS)
I-to 3 AGRICULTURAL PROGRAMME.

1. Review of Agricultural Development in the first three years of the Fourth Five Year Plan, ie, 1969-70, 1970-71 & 1971-72.

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 inclusive of small farmers and land-less Agricultural labourers in addition adoption of improved Agricultural practices. The programmes of the State are envisaged under two separate plans, viz.

1) General Areas Plan comprising of the programmes of the plains Districts and those which are common to both plains & hill districts and 2) Hill Areas plan for the Hill Districts of Assam, (Exclusive of newly formed Meghalaya). In this Plan Document reviews and proposals are made with respect to the State General Areas Plan of the Agriculture Department. Hill Plan document deals separately with the programmes of Assam Hill Areas. However, an overall assessment of the progress made in the State of Assam including the Hills Areas, (Excluding Meghalaya) can be had from the following reviews:-

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}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. 1970-71, the State was again ravaged by several floods,

one after another, and this had affected both the main crops of rice, i.e. the autumn and the Winter rice crops as well as the main cash crop of Jute. The flood started occurring from the month of June and affected cropped area of about 2,04 thousand hectares. Nevertheless, due to the drive of the Department for H.Y.V. Programme, recropping in the late Sali paddy season and extension of areas under Boro paddy could bring about considerable recovery and the production of rice in 1970-71 was 20.16 lakh tonnes showing a substantial improvements over the previous year. 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 1971-72, we hope to achieve the production targets in respect of the major crops, excepting paddy which suffered a serious setback due to an unprecedented drought at the time of sowing and planting. The statement VI indicated the actuals and targets of production of principal crops in the plain districts of Assam.

PRODUCTION STATISTICS OF WHOLE STATE EXCLUDING MEGHALAYA AREA.
(Lakh tonnes/bales)

<u>CROPS</u>	<u>1965-66</u>	<u>1967-68</u>	<u>1968-69</u>	<u>1969-70</u>	<u>1970-71</u>
1. Rice	17.64	18.27	20.25	17.92	20.16
2. Wheat	0.03	0.04	0.05	0.07	0.12
3. Pulses	0.39	0.37	0.38	0.36	0.32
4. Total food Grains	18.51	18.76	20.76	18.44	20.71
5. Jute (bales)	8.17	10.18	7.37	10.82	9.37
6. Sugarcane	1.05	1.17	1.21	1.62	1.28
7. Oil Seeds.	0.58	0.64	0.53	0.55	0.62

PROGRAMME TREND:

In regard to important programmes which contribute to production directly there has been a progressive increase as revealed ^{from} for the General Area Plan in the Statement VI. The desired Progress under fertilizer use, however, could not be attained due to high price of fertilizer, inadequate number of sale depots, lack of credit worthiness of the growers and also because of consecutive floods. The endeavours are made to popularise use of balanced fertilizer by reorganising large number of demonstrations including large plot demonstration having compact areas of 50 acres or more under high yielding varieties of Crops. These demonstrations are making remarkable impacts on the growers for use of high yielding varieties along with fertilizers, pesticides and Irrigation. During 1972-73 it is proposed to operate the fertilizer distribution scheme (subsidy to A.I.D.C on interior sale points) 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 fertilizer easily available to a large section of farmers to gradually build up consumption.

The use of H.Y.V. seed of I.R.8 and Monohar sali has become increasingly popular and variety I.R.8 has been used by the growers very successfully on three different seasons as autumn, Winter and spring paddy. The area under H.Y.V. paddy has substantially gone up from 50,680 Hectars in 1968-69 to 130,900 Hectars in 1970-71. The estimated area in 1971-72 is 1,88,000 Hectars. While composite varieties of maize are making way in the hill areas, the Mexican wheat varieties have already become quite popular with the growers.

This is reflected by the increase in area from 4798 hectares and production 3350 tonnes in 1965-66 to 8,000 hectares and 7230 tonnes respectively in 1969-70. The achievement for 1970-71 is 13,600 hectares. The package programme and the Centrally sponsored scheme for special package on Jute has started paying dividend in the form of increased rate of yield per acre (avg. yield of Jute is 1597 Kg. per hectare).

Minor Irrigation has made a notable progress in the State during 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 Tubewells, and for electric Lift Irrigation.

The State Department of Agriculture successfully completed certain soil conservation programmes in the Kamrup Districts and in appreciation of the need for such work the Fourth Plan provision has been increased by Rs.20.00 lakhs. by the Programme Advisor, P.O. A short note on the work done during the drought (by JDA (Engg.)). Under the programme for land Reclamation 20 Nos. new of D-4 crawler Tractors were imported through the Govt. of India during 1969-70. But for want of dozing attachment these tractors could not be efficiently utilised during 1970-71. During 1971-72 also we have so far received only one dozing attachment. With this it is, however, expected to take up reclamations work in 2,00,000 thousand hectares in 1971-72. Factual data about the production and programmes are given in Annexures I+II and Statement VI.

II. PLAN OBJECTIVES OVERALL OUTLAYS, TARGETS ENVISAGED FOR 1972-73 AND STRATEGY OF PRODUCTION.

The necessary infra-structure of advisory service, supplies of inputs and training programme having built up

during the Third Plan and Ad-hoc Plan periods, the emphasis in the Fourth Plan is on strengthening of organisations such as seed testing, soil testing and soil survey and building up of farmers training programmes with a view to push through successfully the High Yielding Varieties Programme which has come to stay as the main drive for increasing Agricultural Production. To increase the consumption of fertilizers one of the important inputs which is lagging behind more emphasis will be laid from 1972-73 to increase the number of sale points substantially by initially subsidising the high transportation and managerial cost in the interior depots. Besides education, Agricultural Research is now handled mainly by the State Agricultural University since its establishment towards the end of 1968-69 and functioning from 1969-70. The financing of Agricultural Projects are 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 1972-73.

- a) To increase the production of the food-grain 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 oilseeds and pulses in which the State is chronically deficit.

- d) To increase the area under wheat cultivation.
- e) To implement programmes in a manner as to benefit the small farmers and Agricultural Labour.
- f) To increase the area under irrigation.
- g) To develop new crops like cotton, soyabean, groundnut etc, to feed the agro-based industries.
- h) To create employment avenue by opening farms, fertilizer sale points and agro-service centres for unemployed youth.
- i) To increase the consumption of fertilizers by strengthening the distribution machinery.

Outlay :- The total Fourth plan provision and Annual Plan provision and expenditure for General Areas and Hill-Areas of Assam (Excluding Meghalaya Areas) are indicated in the following table.

1. Agricultural Production

	<u>Outlay</u> <u>Fourth</u> <u>Plan</u>	<u>Expenditure</u>		<u>Outlay</u>	
		<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>	<u>1972-73</u>
A. <u>Agric Department</u>					
a) General Areas	960.00	177.41	162.00	206.30	201.99
b) Hill Areas	389.86	41.00	57.99	61.00	64.33
Total	1349.86	218.41	219.99	267.30	266.32
B. Programmes of Land Reforms & Agril. Statistics by Revenue Department.					
a) General Areas	160.00	19.92	22.64	21.50	47.50
b) Hill Areas	10.14	2.99	1.15	2.00	2.00
Total	163.14 170.14	22.91	23.79	23.50	49.50
2. <u>Minor Irrigation</u>					
(Agri. Deptt.)					
a) General Area	400.00	38.43	61.04	93.30	98.92
b) Hill Areas	70.00	15.39	14.49	11.00	13.62
Total	470.00	53.82	75.53	104.30	112.54
3. <u>Ayacut Dev.</u>	13.00	0.40	1.00	5.60	3.00

The information on outlays and expenditure under different programmes for the General Areas Plan of the State Agriculture Department 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 Agricultural Programmes of Minor Irrigation and Horticulture. Such finance in 1972-73 is estimated to be of the order of Rs.665 Lakhs *as shown in Annexure IV.*

Targets : The estimates of potential that will be created for additional food grains production in 1972-73 over that of 1971-72 is 1.31 lakh tonnes.

The production targets for main crops and the programme targets for the General Areas 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.
3. Popularisation of use of balanced fertilizer through extensive large size demonstrations and strengthening the distribution system.
4. Increase of irrigation potential by flow irrigation, power pumps both diesel 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 1972-73.

The details of programmes envisaged in the Fourth Plan and their contents for 1972-73 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 University College and Rice Research and Research on Subject Matters like Agricultural Chemistry, Mycology and Entomology and Agricultural Engineering Research have been transferred to the Assam Agricultural University during 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-ordinated Research Project on Jute and Oil-seed to the University.

ii) Research on Crops:- The scheme for Research on Crops like Rice, 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 and Oil-seeds, Fruits and Vegetables and Crop Weather.

iii) Research on subject Matter :- The Scheme has been transferred to the Agricultural University and the provision for these have been made under Normal budget. Development activities will be made 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 & Farmers education:

i) Gram Sevaks Training Centre including Up-Graded G.S. Training Centre :- Pre-service Training for Gram sevaks/Demonstrators will be continued. For inservice training, three Gram Sevaks raining Centres at Jorhat, Khanapara and Arunachal have been upgraded. The provision has been proposed for continuation of the programme 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.

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 Farmers' Training under the State Plan scheme for Farmers' Training. During 1971-72 nine numbers of Farmers' Training Centres in nine sub-divisions have been started and the work is proposed to be extended to the other sub-divisions 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.

*** ~~Annual Report of the Government of Karnataka for the year 1971-72~~
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 intensified in 1972-73 to meet the growing needs for which increased provision has been made in plan.

iv) B.Sc. Agri. 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 working efficiency as well as prospect. No candidate, however, could be sent for such training in 1971-72. It is proposed to send a few Demonstrators/Gram Sevaks 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 Machineries.

vi) Demonstration :- Provision of fund for Demonstration on improved seeds, fertilizer, plant protection measures on H.Y.V. has been made. Large scale pilot demonstration programme on Field Management Committee basis has been taken up since 1969- 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 programme there is provision for opening a few farms to engage unemployed youths, work has been started in one area during 1971-72 and this will be continued.

vii) Agricultural Information:- The Scheme for Agril. information is proposed to be continued as usual.

c) Improved Seeds :- Production of improved seeds is done by
i) Seed farm & Nurseries:-
the State Seeds Corporation in a large numbers of Seeds Farms spread all over the State. The distribution 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 which may be necessary with the expanded activities of the Corporation. One big sized farm of 1000 acres under Govt. of India is going to be started in 1971-72 for production of quality seeds.

SI... 1969
The Seed Act, 1966, has been enforced in the State from October, 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. Truthfull 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.

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

d) **Manures & Fertilizers:-** The consumption of fertilizers is lagging behind in Assam. All-out efforts will be 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 services 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 18360 tonnes of fertilizers in terms of N.P.K. against an anticipated achievement of 11,150 tonnes of N.P.K. in 1971-72. The distribution of fertilizers down to the village level has been entrusted to the ^AA.A.I.D.C. Private dealers are also encouraged to undertake fertilizer business. To make the fertilizer ~~business~~ ^{attractive} attractive to the dealers, 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} 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.

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-Trailors to the Municipalities for carrying the town refuses ^{and} night soil to the trenching ground and supply the finished compost to the Farmers. Due to prejudice, the scheme has not made much headway. During 1971-72, the scheme has provided for opening two ^{new} Town Compost Centres. In 1972-73, ~~we~~ will try to intensify the production of quality compost in each T.C. Centre and concentrate on popularisation activities.

ii) Soil Conditioner:- The application of lime has not been very popular in the state. We have, therefore, kept a reduced provision for this item in 1972-73. 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 up activities of two Soil Testing Laboratories at Gauhati and Jorhat including Mobile Soil Testing Laboratory at Gauhati and Silchar. One Fertilizer Testing Laboratory to test the Fertilizer samples under the Fertilizer control order will be

set up in 1971-72 at Gauhati. Both the programmes of Soil-Testing and Fertilizer sample testing will be continued in 1972-73.

iv) Fertilizer distribution (Subsidy to A.A.I.D.C. on interior Sales points):- Under the head manures of 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 proposed to be implemented during 1972-73 to increase the consumption of fertilizers and an allocation of Rs. 5 lakhs has been proposed for the year. The salient features of the scheme would be 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 Sub-divisional headquarters.

(e) Plant Protection:- As against an achievement of ^{106,590} 96,620 hectares in 1970-71 under Plant Protection measures in General areas, it is anticipated to cover about 1,18,000 hectares in 1971-72. The target for 1972-73 is set at ^{1,38,000} 1,38,000 hectares. The provision 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, we have also kept provision 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 was 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) Agril. Implements:- Demonstration of heavy implements like seed-cum-fertilizer drills, winnowing machines, puddlers, threshers, etc., ^{and} Some modern implements are to be procured for trial and demonstration.

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

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

Hiring out of tractors for ploughing and harrowing of cultivators field being done departmentally at nominal charge.

iii) Assam Agro-Industries Development Corporation:

The Assam Agro-Industries Development Corporation set up in 1969 is engaged in distribution of Agril. inputs like fertilizer, pesticides and all sorts of Agril. implements including tractors and pumpsets. It has established distributing points all over the State to reach the cultivators directly. Sale is affected on cash as well as on hire purchase system. The Corporation envisages production of improved implements, repairs, maintenance and after-sale service as well as training of cultivators in farm machineries. To cope with expanded activities, the Corporation may be in need of more fund and so a provision of Rs. 5.00 lakhs is proposed for 1972-73.

g) Minor Irrigation :- This subject has been dealt with separately under Minor Irrigation chapter.

h) Soil Conservation :-The Agril. Department, under Soil Conservation work, is mainly taking up the checking of the gully erosions which problem is very acute in some areas resulting on considerable wastage of cultivable land. This programme has become quite popular with farmers in the affected localities. During 1970-71 we could reclaim an area of 4620 hectares affected by gully erosion and in 1971-72 it is anticipated that an area of 5150 hectares would be benefitted by this programme. 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 on phased manner. Deott. has a fleet of 170 tractors including 12 bulldozers which have been engaged in clearing/levelling and ploughing of land. The age of tractors is standing in way of efficient services. We have, however, received 20 Nos. of DT-14 tractors in 1969-70, which has improved the position. During 1969-70 we could reclaim an area of 3000 hectares and in 1970-71, an area of 3280 hectares could be reclaimed. We hope to cover 4000 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 implemented in the State in all the Districts with intensification 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.P. 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.8, 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 is under multiplication in the farms of the Assam Seeds Corporation. The other new varieties Pankaj, Jagannath, Jamuna and Sobornati have been put under trial as Winter rice in Kharif 1970 and 1971. Maize is mainly grown in the Hills of Assam. The small targets that is taken for the Plains Districts will be covered mainly by the composite varieties. The Mexican varieties of wheat like Sonalika and Kalyan sona which are becoming increasingly favourite with growers, are fast replacing the earlier introductions like Larmerojo 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 wheat seeds are being met by Seed Corporation's production and import from N.S.C. and Pantnagar University. The supply of seeds hybrid and composite varieties of Maize is also made by the Seed Corporation with arrangements through N.S.C. The achievement and targets under High Yielding Varieties Programme in the General areas indicated in statement VI. The total for the State excluding Meghalaya is provided in the following table.

('000 hectares

	Fourth Plan Target	1969-70 Achieve- ment	1970-71 Actual patta.	1971-72 Antici- pated	1972-73
Paddy	328.00	102.34	133.00	196.00	262.00
Maize	6.00	2.90	3.00	4.00	4.75
Wheat	36.00	7.16	14.00	30.00	33.00
Total	370.00	112.40	152.00	230.00	299.75

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 lakhs has been made for 1971-72 to operate the programme as a Centrally Sponsored one and this amount is expected to be fully utilized.

It is proposed to implement the Multiple Demonstration scheme 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 other in Sibsagar District having assured irrigation have been selected. In addition the programme of Multiple Cropping has been operated all over the State alongwith 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.

1) Agricultural Marketing:- The Agricultural Marketing Scheme executed by the State Agril. Department, is concerned mainly with the collection of market intelligence, popularisation of grading, and providing transport facility for vegetables from glut areas to scarcity areas of the state with the help of the Departmental Van. A Bill for regulated Markets is proposed to be placed in the State Legislature during 1971-72.

m) Storage and Warehousing:- The State Agriculture Department has no programme of storage and Warehousing. The godowns constructed by the Department upto Third Plan period have been transferred to the State Agro-Industries Development Corporation. Maintenance and further construction will be the responsibility of the Corporation. Three numbers of Cold Storages constructed by the Agriculture Department have been handed over to the Seed Corporation.

The storage capacity created by the Department of ^{Agri}transferred to the Corporation is approximately 45,000 tonnes. The programme of Warehousing has been looked after by the State and Central Warehousing Corporations.

n) Agricultural Administration & Statistics:-

SI...B3200

i) Administration:- The scheme mainly provides for strengthening of the Engineering Wing, ^{due to} with the increased volume of work for irrigation and other branches of Agril. engineering. The Engg. Wing has been strengthened by opening Executive Engineers' 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. The Departmental Vehicles are also borne under this scheme.

SI...B3200

It is proposed to take up a few new staff in 1971-72, to facilitate proper implementation of Seed Act. in the State.

ii) Agri. Statistics:- The provisions under this scheme is for organising collections and preparation of quarterly progress reports and conducting survey of adhoc nature to arrive at information on different schemes.

The Adhoc Agricultural Survey programme is under implementation from 1971-72. Under this programme Survey on Minor Irrigation on a phased manner is under way. In addition, a sample Survey on Demonstration programme on Winter paddy will be taken up in the Nowgong District in the current year at the time of harvest.

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One Centrally Sponsored scheme on Assessment Survey on H.Y.V.P. has also been implemented in the State, the work

o) Others:

i) Fruit Processing:- Under this programme only one unit is functioning for plains-district of Assam. In keeping with the need of the day it is proposed to reorient its activities and take up programmes for community canning and training. The programme of community canning has been taken up in two districts of the State in 1971-72, and this programme will be extended to other districts in coming years. 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 respective areas.

IV. Programmes for Specific Crops: *Financial outlay in respect each scheme are given in Pt. III*

The important Crops of the State are Rice, Maize, Wheat, Pulses, Jute, Sugarcane, Mustard, Potato, Horticultural Crops like Pineapple, Coconut, Banana, Arecanut and Citrus. While the H.V.P. Programme described under Section III takes care of the Crops like Rice, Maize & Wheat, Specific Schemes are under operation for developing the Cash Crops like Jute, Sugarcane and 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 with following programme content:

1) 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 for intensive cultivation of Jute. This scheme will be continued in selected blocks in main Jute belt of the State while, coverage under special package in the Centrally Sponsored will be extended to 10526 hectares. The area under Aerial Spraying of Urea on Jute is proposed to be increased ^{to} 6072 hectares in next Jute season of 1972-73 against 5263 hectares anticipated coverage in the current year of 1971-72.

Similarly due emphasis will be given for supply of quality seeds and improvement in retting facilities under Centrally Sponsored Schemes.

ii) Sugarcane Development:- Under the Scheme, the work will be continued for 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 practice and improved varieties is one of the main purpose 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 Fruits suitable to particular localities through planned demonstration and extension service.

The efforts aim to develop mainly Horticultural

Crops like Pineapple, banana, Coconut and arecanut in commercial and plantation scale in certain selected areas, and also to popularise use of fertilizers and plant protection measures in Horticulture Crops in General and in the above mentioned Crops in particular. The Horticulture Section of the Agri. Department is going to be reorganised under a new J.D.A.(Hort.), in view of the high potentiality that exists for development of Horticulture Crops in the State. It has also been endeavoured to tap the resources from the A.R.C. to finance development programmes on Pineapple & arecanut outside the plan.

For the Development of the Orange Plantation, large Scale demonstration scheme has 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 Plain districts by the end of 1969-70. In 1970-71, one more block has been brought under this programme. Four more blocks are initiated by the ^{C + C D} C. & P. D. Department in 1971-72.

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.

4)

2) Kamrup Projects covering most of the blocks of Borpeta and Nalbari Sub-divisions.

3) Nowgong Projects covering most of the blocks of Nowgong district.

4) Mikir Hills Projects covering most of the blocks of Mikir Hills district.

Each Project will have combined programmes for the small farmers, marginal Farmers and the land-less ^{labours} Goal. para 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 Projects comes under the Hill Plan of Assam. No work could be started in any of these projects during 1970-71. However the work in all the projects is now in progress during 1971-72. The project officers along with most of the other staff are now in position. The Board of management has been constituted in each projects ^{with} the D.C. as Chairman and there ^{have} already been a few sittings of the Board for implementing the various programmes under the scheme. The Co-operative societies are now being organised in all the projects for issue of Agricultural credit under various programmes. The work of ^{classifying} the different categories of farmers, the survey work as envisaged in the scheme are going on apace.

The works under the various schemes of the state plan ^{is} are in progress in the above projects and the benefit of the normal Plan assistance from the state plan is flowing to the blocks falling within these projects as before.

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 this position will be maintained throughout the Projects period and beyond to bring these weaker sections of the farmers at par with other developed areas..

ii) Dry farming:- The schemes are not implemented in Assam as there is no such areas.

iii) Desert Areas:-

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

Plan Outlays and Expenditure - Schemewise

(Rs. in lakhs)

Sl. No.	Head/Sub-head/Schemes	Fourch Plan Outlay (1969-74)			Actual Expenditure		1971-72		1972-73 (Proposed Outlay)		
		Total	Capital	Foreign Exchange	1969-70	1970-71	Approved Outlay	Anticipated Expend.	Total	Capital	Foreign Exchange
	2	3	4	5	6	7	8	9	10	11	12
1. Agricultural Education & Research											
(i) Agricultural Education											
	Assam Agril. University (Development)	139.10	20.00	-	18.57	24.50	25.00	25.00	30.00	8.00	-
	Total (i) :	139.10	20.00	-	18.57	24.50	25.00	25.00	30.00	8.00	-
(ii) Agricultural Research											
	1. Research on Crops (Fruits, Vegetables, pulses, oilseeds, jute, maize, crop weather station)	24.54	3.75	-	5.57	4.42	4.70	4.70	5.00	0.50	-
	2. Research on Subject Matter	0.84	-	-	0.69	0.15	-	-	-	-	-
	3. Research Testing, training in Improved Agril. Implements	0.21	-	-	0.21	-	-	-	-	-	-
	x Total (ii) :-	25.59	3.75	-	6.47	4.57	4.70	4.70	5.00	0.50	-
	Total i & ii :-	164.69	23.75	-	25.04	29.07	29.70	29.70	35.00	8.50	-
2. AGRICULTURAL PRODUCTION & FARMERS' EDUCATION :											
I. Extension Training & Farmers' Education.											
	1. Gram Sevak Training Centres including UGSTC (Khanapara & Arunachal)	26.01	4.50	-	5.57	5.44	6.00	6.00	4.50	1.00	-
	2. Farmers' Institute (Kishan Vidyapith)	6.47	1.65	-	0.23	0.24	1.50	1.50	3.00	0.50	-
	3. Advance Training in Agriculture including Inservice Training	1.26	-	-	0.16	0.05	0.05	0.05	0.50	-	-
	4. B.Sc (agri) Course for G.S.	0.50	-	-	-	-	0.10	0.10	0.10	-	-
	5. Training in Farm Machineries	4.47	1.30	-	0.73	0.74	1.00	1.00	1.00	-	-
	6. Demonstration including Farms for unemployed Youths	89.48	-	-	14.86	15.87	20.00	20.00	20.00	-	-
	7. Agricultural Information	19.03	3.00	-	3.15	3.63	4.00	4.00	4.25	0.50	-
	Total I :	147.22	10.45	-	24.70	25.97	32.65	32.65	33.35	2.00	-

1	2	3	4	5	6	7	8	9	10	11	12
<u>II. Improved Seed Programme</u>											
8. Seed Farms and Nurseries		2.00	2.00	-	1.00	1.00	-	-	-	-	-
9. Subsidy on Seeds (dwarf wheat, hybrid jowar and hybrid bajra)		2.00	-	-	-	-	-	-	1.00	-	-
10. Assam Seed Corporation		41.85	41.85	-	20.35	10.00	10.00	10.00	1.55	1.55	-
11. Cold Storage		1.87	1.87	-	1.12	-	0.75	0.75	-	-	-
12. Seed Certification, Inspection and Testing (new scheme)		2.00	-	-	-	-	-	-	2.00	-	-
Total II:		49.72	45.72	-	22.47	11.00	10.75	10.75	4.55	1.55	-
<u>III. Manures and Fertilisers</u>											
13. Local Manurial Resources		5.80	-	-	1.34	0.94	2.00	2.00	0.74	-	-
14. Soil Conditioner		1.00	-	-	0.31	-	0.60	0.60	0.05	-	-
15. Regional & District Soil Testing & Quality Control (Fertiliser Laboratories)		16.79	3.50	-	1.94	2.35	4.50	4.50	4.00	0.50	-
16. Fertiliser Distribution (Subsidy to AIDC on interior sales points)		10.00	-	-	-	-	-	-	5.00	-	-
17. Godowns		0.40	0.40	-	0.26	0.09	-	-	0.05	0.05	-
Total III:		33.99	3.90	-	3.85	3.38	7.10	7.10	9.84	0.55	-
<u>IV. Plant Protection:</u>											
18. Plant Protection		42.70	12.50	-	6.22	5.48	9.00	9.00	10.00	3.00	-
Total IV:		42.70	12.50	-	6.22	5.48	9.00	9.00	10.00	3.00	-

1	2	3	4	5	6	7	8	9	10	11	12
<u>V. Agricultural Implements & Machineries including Agro-Industries Corporation</u>											
19. Agricultural Implements (Subsidy on new implements, power pumps, power tillers, power threshers, etc.)	6.17	3.50	-	0.17	-	2.00	2.00	2.00	1.50	-	
20. Workshops (Subdivisional repairing services on Agril. Machineries)	13.17	5.50	-	3.08	2.58	2.55	2.55	2.50	1.00	-	
21. Agro-Industries Dev. Corporation	20.00	20.00	-	-	-	10.00	10.00	5.00	5.00	-	
Total V:	39.34	29.00	-	3.25	2.58	14.55	14.55	9.50	7.50	-	
<u>VI. Horticulture</u>											
22. Horticultural Development including establishment of progeny orchards	14.04	-	-	1.30	1.77	3.20	3.20	3.25	-	-	
23. Applied Nutrition	16.66	-	-	2.59	2.57	3.50	3.50	4.00	-	-	
Total VI:	30.70	-	-	3.89	4.34	6.70	6.70	7.25	-	-	
<u>VII. Agricultural Administration including Agricultural Statistics.</u>											
24. Agricultural Administration including Transport	73.13	12.00	-	12.79	12.34	15.00	15.00	16.00	3.00	-	
25. Agricultural Statistics	6.31	1.00	-	-	0.31	1.50	1.50	2.00	0.25	-	
Total VII:	79.44	13.00	-	12.79	12.65	16.50	16.50	18.00	3.25	-	
<u>VIII. Intensive Cultivation Programme (including HVP, UADP & Multiple Cropping)</u>											
26. I.A.A. including H.V.P.	95.97	10.00	-	17.03	15.94	20.55	20.55	21.00	2.50	-	
27. I.A.D.P.	34.85	2.50	-	5.99	6.89	7.00	7.00	7.50	0.50	-	
Total VIII:	130.82	12.50	-	23.02	22.83	27.55	27.55	28.50	3.00	-	
<u>IX. Land Development</u>											
28. Land Reclamation	68.69	57.00	20.00	27.02	15.67	15.00	15.00	6.00	4.00	2.00	
29. Soil Conservation	34.60	24.50	-	4.52	6.08	8.50	8.50	7.00	5.00	-	
30. Soil Survey	12.70	3.75	-	1.54	1.46	2.70	2.70	3.50	1.50	-	
Total IX:	115.99	85.25	20.00	33.08	23.21	26.20	26.20	16.50	10.50	2.00	

1	2	3	4	5	6	7	8	9	10	11	12
<u>X. Commercial Crops</u>											
31. Jute Development		37.92	13.00	-	7.23	6.93	7.80	7.80	8.00	3.00	-
32. Sugarcane Development		9.00	1.50	-	0.29	0.97	2.50	2.50	2.50	0.50	-
33. Vegetable Development		6.01	-	-	1.06	1.15	1.30	1.30	1.50	-	-
34. Development of new Crops (Cotton, Soyabean, groundnuts, etc.)		8.00	-	-	-	-	-	-	4.00	-	-
Total X:		60.93	14.50	-	8.58	9.05	11.60	11.60	16.00	3.50	-
<u>XI. Agricultural Marketing</u>											
35. Agricultural Marketing		21.25	2.25	-	3.19	4.06	4.00	4.00	5.00	0.50	-
Total XI:		21.25	2.25	-	3.19	4.06	4.00	4.00	5.00	0.50	-
<u>XII. Others</u>											
36. Fruit Processing including Community Canning		6.52	2.25	-	0.37	0.15	1.50	1.50	2.00	0.75	-
37. Campaign & Demonstration through Panchayats	36.69	-	-	-	6.95	8.23	8.50	8.50	6.50	-	-
Total XII:	43.21	43.21	2.25	-	7.33	8.38	10.00	10.00	8.50	0.75	-
Total 2 :	795.31	795.31	231.32	20.00	152.37	132.93	176.60	176.60	166.99	36.10	2.0
<u>I-3 Small Farmers and Agril. Labour</u>											
		-	-	-	-	-	-	-	-	-	-
Grand Total 1 to 3:	960.00	960.00	255.07	20.00	177.41	162.00	206.30	206.30	201.99	44.60	2.0

DRAFT ANNUAL PLAN -1972-73
Physical Targets and Achievements

Statement VI
(General Areas)

State: ASSAM

Sl. Nos.	Items	Units	Achievements '1968-69	Fourth Plan '1969-74	Achievement '1969-70	'1970-71	1971-72 Target	1972-73 Anti-cipa Target	1972-73 Proposed Target
1	2	3	4	5	6	7	8	9	10
I. Agriculture & Irrigation.									
<u>Irrigated Area</u>									
Sourcewise area irrigated									
a)	Canals -	i) Net	'000						
		ii) Gross	hect.	365.40	394.46	368.63	372.63	379.51	386.78
b)	Govt. Tube Wells-	i) Net	"	487.20	525.94	491.50	496.86	506.00	515.70
		ii) Gross	"						
c)	Private Tubewells-	i) Net	"	43.42	6.05	12.36	21.32	21.32	32.12
		ii) Gross	"	57.90	8.06	16.46	28.44	28.44	42.83
d)	Masonry Wells -	i) Net	"	-	-	-	-	-	-
		ii) Gross	"	-	-	-	-	-	-
e)	Bhandars, Tanks, etc.-	i) Net	"	-	-	-	-	-	-
		ii) Gross	"	-	-	-	-	-	-
f)	Others-	i) Net	"	-	-	-	-	-	-
		ii) Gross	"	-	-	-	-	-	-
g)	Total Areas Irrigated-	i) Net	"	365.40	437.88	374.68	384.99	400.83	418.90
		ii) Gross	"	487.20	583.84	499.56	513.32	534.44	558.53
<u>Area Under Minor Irrigation</u>									
a)	New area(Potential)	added	"	8.35	34.57	10.78	12.29	17.85	20.09
b)	Depreciation on existing works	"	"	1.21	5.51	1.50	1.98	2.01	2.02
c)	Total Potential available-	"	"	365.40	437.88	374.68	384.99	400.83	418.90
d)	Utilisation-	i) Net-	"	183.01	306.65	236.26	245.32	259.96	280.33
		ii) Gross	"	244.00	403.84	315.00	327.10	346.60	373.76
<u>Food Grains</u>									
<u>i) Kharif</u>									
a)	Total area	lakh hectares		18.32	19.25	18.50	18.68	18.77	19.00
b)	Irrigated area	"		2.20	4.43	2.58	3.15	3.38	4.17
c)	Production	Lakh tonnes		18.80	24.00	16.59	18.67	20.79	22.10
<u>ii) Rabi</u>									
a)	Total area	lakh hectares		1.24	1.36	1.27	1.25	1.32	1.34
b)	Irrigated area	"		0.17	0.25	0.19	0.20	0.22	0.23
c)	Production	lakh tonnes		0.77	1.00	0.72	0.74	0.83	0.90

	1	2	3	4	5	6	7	8	9	10
<u>Foodgrains (Total)</u>										
a) Area	lakh									
	hect.	19.39	20.61	19.77	19.99	20.07	20.09	20.34		
b) Irrigated area	-do-	2.37	4.73	2.77	3.35	3.60	3.60	4.40		
c) Production	lakh									
	tonnes	19.57	25.00	17.31	19.41	21.69	20.54	23.00		
<u>Area Under Commercial Crops</u>										
1) <u>Jute</u>										
a) Area	lakh									
	hect.	1.01	1.36	1.26	1.32	1.34	1.34	1.34	1.34	
b) Irrigated area	-do-	-	-	-	-	-	-	-	-	
c) Production	lakh									
	bales	9.74	10.74	10.71	9.26	10.73	11.59	12.00		
2) <u>Sugarcane</u>										
a) Area	'000									
	hect.	29.96	36.62	30.57	32.40	33.80	33.80	35.21		
b) Irrigated area	-do-	-	-	-	-	-	-	-		
c) Production	'000									
	tonnes	109.00	141.50	152.00	114.07	125.00	125.00	133.52		
3) <u>Oil Seed</u>										
a) Area	'000									
	hect.	131.18	164.91	139.55	145.89	152.23	152.23	158.57		
b) Irrigated area	-do-	-	-	-	-	-	-	-		
c) Production	'000									
	tonnes	61.00	63.64	52.00	58.36	60.78	60.78	61.00		
4) <u>Potato</u>										
a) Area	'000									
	hect.	27.57	33.65	28.79	30.00	31.21	31.21	32.43		
b) Irrigated area	-do-	-	-	-	-	-	-	-		
c) Production	'000									
	tonnes	127.33	164.60	91.35	109.40	117.72	172.72	156.16		
<u>Area Under H.V.V.</u>										
Wheat	'000									
	hect.	4.29	36.00	6.40	13.43	30.00	22.00	33.00		
Paddy	-do-	50.68	308.00	99.60	130.90	188.00	180.00	250.00		
Maize	-di-	1.09	4.00	1.20	1.08	2.50	2.50	3.00		
Total :-	-do-	56.06	348.00	107.20	145.41	220.50	204.50	286.00		
<u>Area Under Improved Seeds</u>										
Paddy	-do-	80.65	243.00	115.69	142.00	170.75	170.75	200.00		
Pulse	-do-	5.00	6.30	5.20	5.50	6.00	6.00	6.10		
Oilseeds	-do-	4.00	5.00	4.20	4.50	4.70	4.70	4.90		
Jute	-do-	4.50	11.50	6.25	7.40	8.75	8.75	10.10		
Wheat	-do-	2.20	2.80	2.27	2.40	2.50	2.50	2.60		
Potato	-do-	4.17	5.30	4.40	5.15	4.35	4.35	5.00		
Sugarcane	-do-	10.24	13.10	10.75	11.16	11.80	11.80	12.20		
<u>H.V. Seeds Distributed.</u>										
Wheat	'000 tonnes	0.11	0.96	0.72	0.76	0.80	0.80	0.88		
Paddy	-do-	2.80	5.60	2.96	3.60	3.50	3.50	4.46		
Maize	-do-	0.04	0.06	0.04	0.04	0.04	0.04	0.05		

	1	2	3	4	5	6	7	8	9	10
<u>Improved Varieties Seeds</u>										
<u>Distributed.</u>										
Paddy	'000 tonnes	2.38	12.00	5.71	7.02	8.43	8.43	10.00		
Pulses	-do-	0.18	0.08	0.06	0.07	0.07	0.07	0.08		
Oilseeds	-do-	0.05	0.07	0.05	0.06	0.06	0.06	0.06		
Wheat	-do-	0.05	0.16	0.13	0.16	0.16	0.16	0.16		
Potato	-do-	5.29	6.54	5.00	5.65	5.00	52.00	6.23		
Sugarcane	million sets	45.66	56.46	47.82	49.98	52.14	52.14	54.30		
Jute	'000 bales	0.05	0.11	0.06	0.07	0.09	0.09	0.10		
<u>Fertiliser Consumed.</u>										
Nitrogenous (As N)	'000 tonnes	3.00	16.45	3.44	4.12	5.50	6.46	10.20		
Phosphatics (As P ₂ O ₅)	-do-	2.13	6.65	1.88	1.33	2.20	2.80	4.16		
Potassic (As K ₂ O)	-do-	2.03	7.50	1.15	1.00	1.75	1.89	4.00		
Area Under Green Manure		-	-	-	-	-	-	-		
Urban Compost distributed	'000 tonnes	4.08	14.56	5.85	8.00	10.00	10.00	12.00		
<u>Area Covered by Plant Protection</u>										
Food Crops	'000 hect.	54.78	121.45	66.80	78.46	87.59	87.59	105.67		
Commercial Crops	-do-	17.65	30.36	23.56	25.00	26.64	26.64	28.42		
Horticulture	-do-	2.64	5.26	2.54	3.13	3.77	3.77	4.49		
Total :	-do-	75.07	157.07	92.90	106.59	118.00	118.00	138.56		
<u>Soil Conservation on</u>										
Agril. Land	'000 hect.	2.61	29.96	5.00	6.30	6.30	6.30	6.68		
<u>Soil Conservation in Catchment</u>										
area of "River Valley Projects		-	-	-	-	-	-	-		
Area consolidated		-	-	-	-	-	-	-		
No. of regulated markets		-	-	-	-	-	-	-		
<u>Storage Capacity available</u>										
For Fertiliser)									
For Foodgrains	) TUNNES	20,000	-	22,000	22,500	-	-	-		
For Others)									
<u>Agril. Implements distributed</u>										
<u>through Agro-Industries</u>										
<u>Corporation.</u>										
Pumpsets	Nos.	1114	7000	530	550	1300	1300	1500		
Power Tillers	-do-	33	3000	267	500	1000	1000	1000		
Tractors	-do-	160	1000	200	200	250	250	300		

Sl. No.	Name of the Scheme	'Fourth Plan' Actual Expenditure			1972-73			
		1969-74	1969-70	1970-71	Outlay	Anticipated	Proposed outlay	Capital
1	2	3	4	5	6	7	8	9
<u>AGRICULTURAL PRODUCTION</u>								
<u>1. Farmers' Education:</u>								
i)	Farmers' Training & Education in H.V.P.Districts	NA	1.12	2.50	5.89	5.89	4.00	1.00
ii)	Demonstration Plot for Arecanut	NA	-	0.05	0.25	0.25	0.50	-
iii)	Castor Demonstration	NA	0.03	-	0.02	0.02	0.03	-
iv)	Soyabean Demonstration	NA	-	-	0.04	0.04	0.05	-
v)	Maximised Production of Groundnuts	NA	-	0.13	0.19	0.19	0.25	-
vi)	National Demonstration	NA	0.08	-	-	-	-	-
vii)	Establishment of Farm Radio Service in Assam	NA	-	-	-	-	0.31	-
viii)	Procurement of Publicity-cum-Exhibition Vans	NA	-	-	-	-	0.50	-
ix)	Multicrop Demonstration	NA	-	-	0.97	0.97	2.40	-
<u>2. Development of Commercial Crop for Export Promotion</u>								
i)	Special Package Programme for Jute including Jute Grading	NA	3.07	3.70	5.53	5.53	35.00	2.00 Including Nowgong as Special Jute Package District
ii)	Subsidised Distribution of Certified improved jute Seeds	NA	1.25	1.25	1.25	1.25	2.00	-
iii)	Quality Improvement Programme	NA	-	0.85	1.05	1.05	1.00	1.00
iv)	Aerial Spraying of Urea on Jute	NA	0.30	0.36	0.44	0.44	5.00	-

1	2	3	4	5	6	7	8	9
<u>3. Agricultural Statistics</u>								
i) Assessment Survey on H.V.P.	NA	0.36	0.40	0.40	0.40	0.40	0.40	-
<u>4. Pilot Project for the Development for dry farming</u>								
	₹	₹	-	-	-	-	-	-
<u>5. Plant Protection</u>								
i) Eradication of Pests & Diseases of Crops in Endemic Areas by Agro-Chemical Operation -	-	-	-	1.68	1.68	8.00	-	-
ii) Rape & Mustard for Mass Plant Protection	NA	-	-	0.43	0.43	0.50	-	-
<u>6. Research.</u>								
i) All India Coordinated Research Project on Jute	NA	0.95	0.69	0.79	0.79	1.05	-	-
ii) All India Coordinated Research Project on Oilseeds	NA	0.27	0.30	0.34	0.34	0.39	-	-
iii) Scheme for Certification, Inspection of Virus Free Citrus Plants	NA	0.91	0.35	0.50	0.50	0.54	-	-
iv) Model Agronomic Experiments	NA	0.24	0.25	-	-	-	-	-
v) All India Coordinated Research Project on Rice	NA	1.08	-	-	-	-	-	-
Total:		9.66	10.83	19.77	19.77	61.83	3.00	

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

2. Development of Commercial Crops for Export Promotion

i) Special Package Programme for Jute including Jute Grading	Hect.	10526	2753	5668	10526	10526	10526
ii) Subsidised Distribution of Certified improved Seeds	Qntls.	1200	824	1000	1000	1000	1000
iii) Quality Improvement Programme	Nos.	2	-	4	2	2	4

3. Agricultural Statistics

i) Assessment Survey on H.V.P.	-	-	-	-	-	-	-
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4. Pilot Projects for Development of Dry Farming

-	-	-	-	-	-	-	-
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5. Plant Protection

i) Eradication of Pests & Disease of Crops in Endemic Area by Agro-Chemical Operations	hecatres	=	-	-	40,485	40,485	40,485
ii) Rape & Mustard for Mass Plant Protection	-do-	-	-	-	1,300	1,300	1,500
iii) Aerial Spraying of Urea on Jute	-do-	3238	1012	1224	5263	5263	6072

6. Research

i) All India Coordinated Research Project on Jute	-	-	-	-	-	-	-
ii) All India Coordinated Research Project on Oilseeds	-	-	-	-	-	-	-
iii) Scheme for Certification, Inspection of Virus Free Citrus Plants	-	-	-	-	-	-	-
iv) Model Agronomic Experiments	-	-	-	-	-	-	-
v) All India Coordinated Research Project Rice	-	-	-	-	-	-	-

State - ASSAM

ANNUAL PLAN 1972-73 - AGRICULTURE
TARGETS OF PRODUCTION

ANNEXURE-I
(General Areas)

Items	Units	Assumed base level for the Fourth Plan	1969-70 Actuals	1970-71 Actuals	1971-72 Target	Anticipated ach.	1972-73 Targets	Fourth Plan Target
1	2	3	4	5	6	7	8	9
1. FOOD GRAINS		'000 Tonnes						
a) Rice	-do-	1911.00	1682.00	1890.00	2115.00	2000.00	2240.00	2444.00
b) Wheat	-do-	5.00	7.00	12.00	9.00	10.00	12.00	14.00
c) Maize	-do-	4.00	4.00	4.72	4.25	4.50	5.00	6.00
d) Others Cereals	-do-	2.00	2.28	2.68	2.00	2.00	3.00	3.00
e) Pulses	-do-	35.00	35.16	31.48	38.75	38.00	40.00	43.00
<u>Total Foodgrains</u>	-do-	1957.00	1730.44	1940.96	2169.00	2054.50	2300.00	2510.00
2. Commercial Crops and Plantation Crops								
A) Sugarcane (Gur)	'000 tonnes	109.00	152.00	114.07	125.00	125.00	132.52	141.50
b) Oilseeds	-do-	61.00	52.00	58.36	60.78	60.78	61.00	63.64
c) Cotton	'000 bales	-	-	-	-	-	-	-
d) Jute	-do-	974.00	1071.00	925.62	1073.00	1159.00	1200.00	1074.00
e) Mesta	-do-	23.89	27.38	23.85	50.00	54.90	50.00	57.00
f) Tobacco	'000 kg.	-	-	-	-	-	-	-
g) Coconut	'000 nuts	-	-	-	-	-	-	-
h) Arecanut	'000 tonnes	-	-	-	-	-	-	-
i) Cashew nuts	-do-	-	-	-	-	-	-	-

State--ASSAM

ANNUAL PLAN 1972-73-AGRICULTURE
SELECTED PROGRAMME TARGETS

ANNEXURE II
(General Areas)

Items	'Units'	1968-69	1969-70	1970-71	1971-72	1972-73	Fourth			
		'Actuals'	'Actuals'	'Actuals'	'Target'	'Anticipated'	'Target'	'Plan Target'		
		1	2	3	4	5	6	7	8	9
<u>1. H.Y.V.</u>										
a) Paddy	'000 hectare	50.68	99.60	130.90	188.00	180.00	250.00	308.00		
b) Wheat	-do-	4.29	6.40	13.43	30.00	22.00	33.00	36.00		
c) Maize	-do-	1.09	1.20	1.08	2.50	2.50	3.00	4.00		
Total:	-do-	56.06	107.20	145.41	220.50	204.50	286.00	348.00		
<u>2. Multiple Cropping</u>										
	-do-	60.75	60.75	40.00	40.00	40.00	40.00	200.00		
<u>3. Chemical Fertiliser</u>										
a) Nitrigeneous of N	'000 tonnes	3.00	3.44	4.12	5.50	6.46	10.20	16.45		
b) Phosphatic of P ₂ O ₅	-do-	2.13	1.88	1.33	2.20	2.80	4.16	6.65		
c) Potassic of K ₂ O	-do-	2.03	1.15	1.00	1.75	1.89	4.00	7.50		
Total :	-do-	7.16	6.47	6.45	9.45	11.15	18.36	30.60		
<u>4. Organic Manures & Green Manuring</u>										
a) Urban Compost	'000 tonnes	4.08	5.85	8.00	10.00	10.00	12.00	14.56		
b) Green Manuring	-	-	-	-	-	-	-	-		
<u>5. Plant Protection</u>										
a) Seed Treatment	'000 hectares									
b) Weed Control	X									
c) Prophylactic Spraying	X									
d) Rat Control	X									
e) Others	X									
Total Gross Area			92.90	106.59						
Under Plant Protection	-do-	75.07	97.90	106.59	118.00	118.00	138.00	157.00		
<u>6. Certified Seed Quantity distributed</u>										
A) Food Crops	'000 qtls.	5.54	NA	NA	12.15	12.15	13.60	50.00		
B) Others	-do-	0.24	NA	NA	1.00	1.00	1.50	5.00		
Total :	-do-	5.78	-	-	13.15	13.15	15.10	55.00		
<u>7. Agril. Machineries & Implements (distributed)</u>										
) Tractors	-do-	160	210	122	250	250	300	1000		
) Power Tillers	-do-	33	267	31	1000	1000	1000	3000		
) Threshers	-do-	143	69	20	100	100	500	2000		
) Seed -cum- Fertiliser Drills	-do-	42	39	64	100	100	200	500		
) Sprayers/Dusters- Hand operated	-do- X	579	323	1346	500	500	500	2500		
Power "	X			128						

		1	2	3	4	5	6	7	8	9
8. Agril. Machinery hiring										
Centres										
(No. in operation at the end of the year)										
a) Those operated by AIDC.	No.		NIL	2	3	6	6	9	17	
c) Those operated by Others (Govt.)	-do-	10	11	13	13	13	13	13	13	
Total :	-do-	10	13	16	19	19	19	22	30	
9. Minor Irrigation										
(i) Areas (Gross). Addl. '000 hect.										
(a) Through Public Works	-do-	9.72	9.26	10.55	15.29	15.29	15.29	17.61	18.31	
(b) Through Private Works	-do-	3.24	3.20	3.11	5.83	5.83	5.83	6.48	7.00	
Total	-do-	12.96	12.46	13.66	21.12	21.12	21.12	24.09	25.31	
(ii) Numbers										
(a) Dug Wells	-No-	-	1	2	4	4	4	8	15	
(b) Improvement of dug well by boring & deepening etc.	-	-	-	-	-	-	-	-	-	
(c) Diesel pumpsets	-do-	1114	442	350	500	500	500	500	2000	
(d) Electric " (5 HP equiv.)	-do-	-	88	200	800	800	800	1000	5000	
e) Tubewells/Borewells filterpoints	-do-	10	45	62	200	200	200	300	1000	
10. Soil Conservation										
a) Agril. Land	'000 hect.	1.10	3.15	4.62	5.15	5.15	5.15	5.56	25.00	
b) Catchment area of river valley projects	-do-	-	-	-	-	-	-	-	-	
11. Land Reclamation	-do-	2.50	3.00	3.28	4.00	4.00	4.00	5.00	20.00	
12. Area Consolidated	-	-	-	-	-	-	-	-	-	
13. Regulated Market and sub-market at the end of the year	No.	-	-	-	-	-	-	-	-	
14. Grading Units at the end of the year	-do-	-	-	-	-	-	-	-	-	

State- ASSAM

ANNUAL PLAN 1972-73-AGRICULTURE

ANNEXURE-IV

General Areas

(Rs. in lakhs)

Agency/Institution	Institutional Finance for Investment in Agriculture					
	1969-70 Actuals	1970-71 Actuals	1971-72 Target	Anticipated Ach.	1972-73 Target	Fourth Plan Target
1	2	3	4	5	6	7

A. Institutional Finance

1. Land Development Banks (Loaning through ordinary Debenture)	Nil	Nil	4.00	4.00	6.00	Net fixed
2. Agricultural Refinance	Nil	Nil	14.00	14.00	65.00	-do-
3. Commercial Banks	NA	NA	300.00	300.00	300.00	-do-
4. Cooperative Banks (Medium terms)	NA	NA	300.00	300.00	300.00	-do-
5. Other Source (Specify)	NA	NA	-	-	-	-do-
Total:	-	-	614.00	614.00	665.00	-do-

B. Breakup of the Institutional Finance under various Programme

1. Minor Irrigation	Nil	Nil	6.00	6.00	50.00	"
2. Soil Conservation	-	-	-	-	-	-do-
3. Land Development	-	-	-	-	-	-do-
4. Horticulture	Nil	Nil	8.00	8.00	15.00	do-
5. Others-SFDA & MFAL	Nil	Nil	600.00	600.00	600.00	-do-

....

State: Assam:

Draft Annual Plan 1972-73
I-4. LAND REFORMS

The total Plan Outlay in respect of the four development Schemes of the Revenue Department during the Fourth Five Year Plan (1969-74) has been revised from Rs. 153.00 lakhs to Rs. 160.00 lakhs. The allocations for 1969-70 and 1970-71 (revised) were Rs. 25.00 lakhs and Rs. 20.75 lakhs against which the expenditure was Rs. 19.92 lakhs and Rs. 22.64 lakhs respectively. The allocation for 1971-72 is Rs. 21.50 lakhs. The Outlay of Rs. 47.50 lakhs is proposed for 1972-73.

2. A brief review of the Schemes is given below:

(1) Consolidation of Holdings - Since it was informally decided not to press further for this Scheme, it was kept in abeyance in September, 1969 incurring an expenditure of Rs. 0.26 lakhs during 1969-70. There is no likelihood of this Scheme being taken up again during the remaining years of the Fourth Five Year Plan. Hence, no outlay is proposed for 1972-73.

(2) Preparation of Tenants' and Adhiars'

Records-of-Right - This Scheme has been taken up along with the re-settlement operation in the seven plains districts of the State. The work was completed in three districts of Kamrup, Goalpara and Sibsagar and also in the Karimganj Sub-division of Cachar district. The Scheme has been under operation in Lakhimpur, Darrang and Nowgong districts and also in Hailakandi and Silchar Sub-divisions of Cachar districts. This has, however, been discontinued in Nowgong district with effect from the 1st January, 1971 as the resettlement operation in this district has been completed on 31.12.1970. This Scheme will also again be taken up in Kamrup, Goalpara and Karimganj Sub-division of the Cachar district during 1972-73. Hence, an outlay of Rs. 26.00 lakhs is proposed for 1972-73.

(3) Strengthening of Primary and Supervisory Land Record Agencies for collection of Agricultural Statistics -

The Scheme is confined to the Plains districts of the State. It is now being implemented in the districts of Kamrup, Cachar and Nowgong, with the help of the following Field Staff :-

- (i) Kamrup district - 13 Supervisor Kanungos; 313 Mandals; and 13 Chainmen.
- (ii) Cachar district - 5 Supervisor Kanungos, 105 Mandals and 5 Chainmen.
- (iii) Nowgong district - 6 Supervisor Kanungos, 166 Mandals and 6 Chainmen.

A provision of Rs. 14.00 lakhs for this Scheme is proposed for 1972-73.

(4) Resettlement of Landless Agricultural Works -

Under the phased programme of the Fourth Five Year Plan, it is proposed to undertake this Scheme for resettlement of 2270 landless agricultural families. This Scheme has been continuing from the Third Five Year Plan. During 1968-69 Government accorded approval to the rehabilitation of 350 families, but this could not be implemented fully because of encroachment on certain selected land; only 100 landless agricultural families could be granted possession of land in Salsabari and Sonajuri villages during 1969-70 and 1970-71. During 1969-70 the Scheme was also extended to Barpeta Subdivision of Kamrup district and the process of rehabilitation of 169 allottees approved by Govt. in Govindapur village is now being completed. In Nowgong district, the District authorities are taking steps to grant possession of land in Nakhuti area for the remaining 250 approved landless families. An area of 2889 acres of land in Lutumari Forest land in Nowgong district has been dereserved ^{in 1970-71 and out of this dereserved} land, an area of 7567 bighas would be placed at the disposal of Revenue Department for resettlement of landless agricultural

- 72 -

workers from 1971-72. An outlay of Rs. 7.50 lakhs is proposed
for 1972-73.

DRAFT ANNUAL PLAN 1972-73.
Plan Outlays and Expenditure - Schemewise.

Statement - III.

(Rs. in lakhs)

Sl No.	Head/Sub-head/ Scheme.	Fourth Plan Outlay (1969-74)			Actual Expenditure		1971 - 72		1972-73 (Proposed outlay)		
		Total	Capital	Foreign exchange.	1969-70	1970-71	Approved Outlay	Anticipated expenditure	Total	Capital.	Foreign exchange
1	2	3	4	5	6	7	8	9	10	11	12
<u>- 4. LAND REFORMS.</u>											
1.	Consolidation of holdings.	0.26	-	-	0.26	-	-	-	-	-	-
2.	Preparation of Tenants' and Adhiars' Records of Right.	75.89	-	-	8.20	7.69	7.00	7.00	26.00	-	-
3.	Strengthening of land record agencies (Survey, settlement & Record operation).	65.77	2.68	-	9.57	14.70	13.50	13.50	14.00	-	-
4.	Resettlement of landless agricultural workers.	18.08	0.20	-	1.89	0.25	1.00	1.00	7.50	-	-
TOTAL:		160.00	2.88	-	19.92	22.64	21.50	21.50	47.50	-	-

M. Towfique,
6/10/71.

Minor Irrigation Programmes of the State are implemented by Agriculture Department as well as by the P.W.D. (F.C & I) Department. The projects costing upto Rs.4.00 lakhs are executed by Agriculture Department.

(A) By the Programmes of the Agriculture Department:-

An additional area about 9200 Hectares(net) were brought under irrigation during 1969-70. The irrigation facility of 10,230 Hectares(net) could be achieved in 1970-71. The target set for 1971-72 is 15840 Hectares (net) which is expected to be achieved.

The details of financial outlays and targets have been indicated in Statement III. In addition, an institutional finance to the extent of about Rs.6.00 lakhs is expected during 1971-72. For 1972-73, a similar provision is proposed. The Agri. Engg. section for M.I. work is being strengthened by placing it under a newly created post of Chief Engg.(Agri) 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.

Minor Irrigation Programmes under Agriculture Department are as follows:-

rivers and streams are constructed with a view to seasonal as well as perennial types of 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 1970-71, 4000 hectares(net) have been brought under Flow Irrigation and the target for 1971-72 has been fixed at 6880 hectares(net) which is expected to be achieved. For 1972-73 the target has been fixed ^{at} 7210 hectares.

(b) Lift Irrigation:- Programmes of the State consists of :-

(i) Cash Sale or sale on hire-purchase system of ~~of~~ diesel pumpsets from 1.6 HP to 10 HP to the growers is made through the Assam Agro-Industries Development Corporation. 350 pumpsets during 1970-71 were sold in addition to hiring out 300 Nos. of departmental pumpsets to small growers at nominal charges. The pumpsets are sold to small farmers at subsidised rates and on easy instalment system. The programme envisaged for 1971-72 is for sale of 500 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. Installation of 442(5 HP equivalent), electric pumpsets was done in

1969-70 bringing the total number of such installation to 800 pumps(5 HP equivalent). During 1970-71, 200 more electric pumps of the same size were installed. It is proposed to install another 800 (5 HP equivalent) electric pumps in 1971-72 which is expected to be achieved.

(iii) Shallow Tubewell :- The scheme has been taken up since 1968-69. With the procurement of more rigs and experience gathered by the staff in drilling, the programme will gather momentum. In 1968-69, 10 Nos. of shallow tubewells have been set up. 45 Nos have been set up in 1969-70 and 62 Nos. shallow tubewells ^{have} ~~are~~ set up in 1971-72, *It is proposed to set up 200 more shallow Tubewells in 1972-73* which is expected to be ^{achieved} ~~tobe~~ 50% of the cost of material is borne by the growers and the boring is done free at Govt. cost. Arrangement for procurement of more rigs during the current year have been completed.

(iv) Ground Water Exploration:- The scheme was given a start in 1969-70, and exploration works have been taken up. The works are continued in 1971-72. With the creation of the Design Cell, the work under this programme is expected to be intensified.

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

In 1969-70, five Jeep-Trucks have been procured for conversion into mobile workshops. From 1970-71 and 1971-72, these Jeep-Trucks are functioning as mobile workshops and are ~~taking~~^{looking} after the repairs.

(B) (a). By F.C. & I. Department:-

During 1969-70, 3 Nos of new schemes were undertaken, besides 33 Nos. of continuing schemes. The actual expenditure was Rs. 60.00 lakhs as against the allocation of Rs. 60.00 lakhs. The additional ^{area} ~~were~~ brought under irrigation was 8,100 hectares.

During 1970-71, an expenditure of Rs.75.00 lakhs was incurred against the revised allocation of Rs. 115.00 lakhs. No new schemes were undertaken during that year.

In 1971-72, the allocation is Rs. 140.00 lakhs. In addition to continuing schemes from the previous years, 9 new schemes are proposed to be taken up. An additional area of 26,000 hectares will be brought under irrigation thus bringing the total area to 1,22,000 hectares.

An outlay of Rs. 150,00 lakhs is proposed for 1972-73. In addition to the continuing schemes, certain new schemes are proposed to be taken up.

Schemewise details may be found in Statement III.

DRAFT ANNUAL PLAN 1972-73
Plan Outlays and Expenditure - Schemewise

(General areas)
Statement -III (Rs.lakhs)

State - ASSAM

Sl. No.	Head/Subhead/Scheme	Fourth Plan Outlay (1969-74)			1969-70		1970-71		1971-72		1972-73		
		Total	Capital	Foreign Exchange	Actual Expendr.	Actual Expendr.	Approved Outlay	Anticipated Expenditure	(Proposed Outlay)				
1	2	3	4	5	6	7	8	9	10	11	12	13	
I- 5. MINOR IRRIGATION													
(i) By Agri. Deptt.													
1.	Flow Irrigation	131.81	131.81	-	12.19	18.14	32.00	32.00	33.92	33.92	-		
2.	Lift Irrigation	206.00	196.00	-	17.09	24.06	48.00	48.00	50.00	48.00	-		
3.	Deep Tube Well	5.15	4.00	-	0.35	0.25	0.80	0.80	1.75	1.50	-		
4.	Shallow Tube Well	16.50	13.70	-	2.05	2.75	3.50	3.50	3.70	3.20	-		
5.	Open Well Irrigation	3.61	3.61	-	0.11	0.50	1.00	1.00	1.00	1.00	-		
6.	Mobile Units for Repair & Maintenance of Agril. Pumps etc.	14.87	12.50	-	3.39	2.48	3.00	3.00	3.00	2.00	-		
7.	Ground Water Survey	13.03	10.50	-	3.25	1.53	2.50	2.50	2.75	1.75	-		
8.	Debenture of ARC/LDB	4.00	4.00	-	-	-	1.50	1.50	1.50	1.50	-		
9.	Share Capital to AIDC	-	-	-	-	-	-	-	-	-	-		
10.	Applied Nutrition Programme	5.03	5.03	-	-	1.33	1.00	1.00	1.30	1.30	-		
	Total (i) :-	400.00	381.15	-	38.43	61.04	93.30	93.30	98.92	94.17	-		
(ii) By F.C & I Department:													
	Lift Irrigation from Streams, reservoirs, etc.	600.00	600.00	-	60.00	75.00	140.00	140.00	150.00	150.00	-		
	Total (ii) :-	600.00	600.00	-	60.00	75.00	140.00	140.00	150.00	150.00	-		
	Grand Total :	1000.00	981.15	-	98.43	136.04	233.30	233.30	248.92	244.17	-		

State-Assam

DRAFT ANNUAL PLAN-1972-73
Physical Targets and Achievements

Statement-VI.
(General Areas)

Sl. No.	Item	Unit	Achievement 1968-69	Fourth Plan Target 1969-74	Achievement 1969-70	1970-71	1971-72 target	Anti-cipated Ach.	1972-73 proposed target
1	2	3	4	5	6	7	8	9	

Irrigated Area(M.I.)

Sourcewise Area Irrigated

a) Canals

(By F.C.& I)

i) Net

'000

Hectare

10.00 118.00 10.00 24.00 26.00 26.00 28.00

ii) Gross

-do-

12.50 147.50 12.50 30.00 33.50 33.50 35.00

Canals

(By Agri.Deptt.)

i) Net

-do-

365.40 394.46 368.63 372.63 379.51 379.51 386.78

ii) Gross

-do-

487.20 525.94 491.50 496.86 506.00 506.00 515.70

b) By Govt.Tubewells'

& Pumpsets

c) Private Tubewells' &

Pumpsets

Net -

-do-m

- 43.42 6.00 12.36 21.30 21.32 32.12

Gross-

-

57.90 8.06 16.46 20.44 28.44 42.83

d) Masonary Wells

e) Bhandars, Tanks,

Bendis

f) Others

g) Total Area Irrigated

By Agri.Deptt.

i) Net

-do-

365.40 437.88 374.68 384.99 400.83 400.83 418.90

ii) Gross

-do-

487.20 583.84 499.56 513.22 534.44 534.44 558.53

573.32

Area Under Minor Irrigation

(By Agri.Deptt.)

a) New Area(Potential)

added

'000

hect.

8.35 34.57 10.78 12.29 17.85 17.85 20.09

b) Depreciation on

Existing works

-do-

1.21 5.51 1.50 1.98 2.01 2.01 2.02

c) Total Potential

available

-do-

365.40 437.88 374.68 384.99 400.83 400.83 418.90

d) Utilisation

i) Net

-do-

183.01 275.83 236.26 245.32 259.96 259.96 280.33

ii) Gross

-do-

244.00 367.76 315.00 327.10 346.60 346.60 373.76

.....

State - Assam (General Areas)

DRAFT ANNUAL PLAN-1972-73-AGRICULTURE
Selected Programme Targets

ANNEXURE-II

Item	Unit	1968-69 Actuals	1969-70 Actuals	1970-71 Actuals	Target	1971-72 Anticipated	1972-73 Target	Fourth Plan Target
1	2	3	4	5	6	7	8	9

MINOR IRRIGATION (by Agri. Department)

(i) Area	'000 hectares	9.72						
(a) Through Public Works-addl. gross	-do-	9.72	9.26	10.55	15.29	15.29	17.61	18.31
(b) Through Private Works	-do-	3.24	3.20	3.11	5.83	5.83	6.48	7.00
Total (a)+(b)	-do-	12.96	12.46	13.66	21.12	21.12	24.09	25.31
(ii) Numbers								
(a) Dug wells	nos.	-	1	2	4	4	8	15
(b) Improvement of dugwell by boring, deepening, etc.	nos. (5HP)	-	-	-	-	-	-	-
(c) Diesel Pumpsets	nos. (5HP)	1114	442	350	500	500	500	2000
(d) Electrical Pumpsets	-do-	-	88	200	800	800	1000	5000
(e) Tubewells/borewells/filter points	nos.	10	45	62	200	200	300	1000

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STATE: ASSAM: : DRAFT ANNUAL PLAN - 1972-73 (GENERAL AREAS)

I - 6. SOIL CONSERVATION

With a view to tackle the soil erosion problems in the General Areas of the State, the under-noted major items of works have been in operation. A brief review of these works for the year 1970-71 and 71-72 are given below. The proposed programmes under these items for 1972-73 also are indicated.

(1) Land Improvement :-

(i) Gully Control Works :- Greatest emphasis is given to gully control works as large areas of productive paddy field are damaged by gully erosion. Control measures consist of :

- (a) Construction of check dams-mostly of brush wood or random rubble - larger ones are of course of cement concrete.
- (b) Easing of active gully heads and establishing vegetation thereon.
- (c) Diversion of water from the gully head by perimeter bund.

Protection to about 3878 hect. of paddy field was given through gully control works during 1970-71. A total command area of 7535 hect. is expected to be tackled during 1971-72.

The target for 1972-73 has been fixed at 10,000 hect. the required outlay is Rs.3.00 lakhs.

(ii) Contour bunding : So far gully control works was undertaken without any further work in the catchment of these gullies, the catchment usually consists entirely of paddy fields. Since these paddy fields suppose to have field bunds, the necessity of contour bunds was thought to be of not much important. It is, however, seen that the slopes although gentle are very long - about 2 per cent slopes for a length of 1 to 3 miles. The field bunds of the paddy fields are now-a-days very small - they do not reduce the velocity of the water on this very long slopes. So it is now seen that contour bund has got to be undertaken even in paddy fields catchment if the gullies are to be controlled or further gullying is to be prevented.

It is, therefore, proposed to, have a new programme in 1972-73

to sacrifice some lands for this purpose. Because of this sacrifice and because of the benefit not being of obvious, it is not expected that they will contribute anything else besides land. Therefore, the programme of contour-bunding will have to be entirely at Department's costs. An amount of Rs.1.00 lakhs has been provided for this programme during 1972-73.

(2) Protective afforestation :- This forms the second largest items of the Soil Conservation Programme for the General Areas of the State. Because of denudation of vegetation on the stream banks, they now have no fixed banks and are prone to shifting causing great damage. By establishing vegetation and plantation of tree species on both sides of the streams, gradual bank formation and deepening and narrowing of the channels are encouraged. Established plantations on stream banks, of course, prevent changing of course.

Stream bank afforestation sometimes is taken up along with minor engineering works such as different types of spurs.

During 1970-71, 563 hect. were afforested on banks of streams in the North bank of the Brahmaputra, protecting large areas of paddy fields beyond these afforested strips. Besides, tending of 976 hect. of afforested area for full establishment and 1199 hect. of new areas is expected to be brought under forest-cover during 1971-72.

Protective afforestation works are also undertaken on over-grazed or otherwise denuded land unsuitable for any other purpose.

All the afforestation areas will be handed over to the Panchayats for management under the guidance of the Soil Conservation Department.

The target proposed for 1972-73 is tending of 2181 hect. for full establishment and 590 hect. of new areas to be planted up. The provision required for this item is Rs.4.41 lakhs.

(3) Follow-up-programme for developed lands :- After a gully effected slopes is terraced or contour banded for control of erosion, the usual cropping pattern in such area is often disturbed. It is also

It is also necessary in some areas to change the cropping pattern. Some amount of demonstration works, therefore, is necessary to convince the farmers about the benefit of terracing and contour bundings and gully control project. New crops and cropping pattern more suitable for the developed land are demonstrated. Technique of maintenance of terraces and bunds are also demonstrated through this follow-up-programme.

During 1970-71 the physical achievement was 10 hect. For 1971-72 no provision has been made.

For 1972-73 it is proposed to take up about 20 hect. under this item. An allocation of Rs.0.10 lakhs will be needed.

(4) Conservation Irrigation & Dong Correction : Faulty irrigation channel (or Dongs as they are locally known) is one of the causes of Gully formation. Mere gully control measures or contour bunding is not enough. Unless the unregulated flow of water of the dongs are controlled, chunks of paddy field will continue to vanish during each rains.

A Scheme has, therefore, been proposed for correction of such badly aligned and constructed Dongs. Regulatory handworks and other sluices will be provided in the dongs and where necessary faults in alignments will be corrected. This work has to be undertaken for almost all the dongs which are several hundreds in numbers. It is, however, proposed to take up only a few during 1972-73 with a provision of Rs.2.21 lakhs.

(5) Stream bank erosion control through minor engineering structures :- Construction of different type of spurs of simple nature were undertaken in order to train small streams and rivers to follow a regular course. These streams and rivers every year ~~erase~~ ^{damage large area of} large areas of paddy fields by changing course. The work is generally undertaken along with afforestation of stream banks. During 1970-71, 42 Nos. of such spurs of different length totalling about 1000 meters were constructed under this programme. During 1971-72, it

it is expected that about 1000 meters of such spurs will be completed.

For 1972-73 it is proposed to erect about 100 Nos. of spurs to save bank erosion over about 3 Kilometers of river banks. The required financial provision is Rs.1.10 lakhs.

(6) Grassland Development:- Large areas in the Northern part of the State are subjected to heavy grazing causing both sheet and gully erosion. Although huge number of cattle are maintained, no scientific effort has been undertaken in the past to provide proper fodder and grazing facilities without deterioration of the soil. Land unsuitable for agriculture specially areas within Village Grazing Reserves are taken up for this purpose.

During 1970-71, a total area of 32 hect. of improved fodder land were created and 38 hect. are expected to be added during 1971-72.

It is proposed to add another 10 hect. during 1972-73 with a total provision of Rs.0.05 lakhs.

(7) Pagladya Scheme:- A special Soil Conservation Scheme for a very trouble-some river of Assam has also been undertaken from the year 1970-71. This is the Pagladya river of North Kamrup which has a total catchment area of 310 sq.miles above Nalbari town, of which 180 sq.miles lie in Assam and the rest in the Bhutan. A provision of Rs.4.11 lakhs was proposed for 1970-71, and Rs.5.24 lakhs is provided for the current year i.e. for 1971-72.

The provision required for 1972-73 is Rs.7.50 lakhs.

The Work proposed for 1971-72 and 1972-73 are as follows :-

	<u>1971-72</u>	<u>1972-73</u>
Gully Control	6 projects and 1212 hect.	687 hect.
Afforestation	567 hect.	855 hect.
Grassland Development	-	10 hect.

2. The Schemewise Plan outlays and Expenditure have been shown in Statement III.

Plan Outlay and Expenditure-Scheme-Wise

Sl. No.	Head/Sub-head/Scheme	4th Plan Outlay (1969-74)	(1969-70)	(1970-71)	1971-72	1972-73							
		Total	Capital	Foreign	Actual	Actual	Approved	Anticipated	Total	Capital	Foreign		
				Exchange	Expenditure	Expenditure	Outlay	Expenditure			Exch.		
1	2	3	4	5	6	7	8	9	10	11	12		
1-6. SOIL CONSERVATION													
1.	Establishment												
(a)	Pay & allowances of staff.	13.69	-	-	2.66	2.17	4.01	2.75	3.10	-	-		
(b)	Training.	0.19	-	-	0.02	0.02	-	0.05	0.05	-	-		
2.	Soil Conservation Works.												
(i)	Land Improvement.	0.72	0.72	-	-	0.23	0.19	0.32	1.00	1.00	-		
(ii)	Gully Control Works.	17.07	17.07	-	2.34	3.52	3.06	3.67	3.00	3.00	-		
(iii)	Protective afforestation etc.	18.65	18.65	-	2.54	3.48	4.47	5.14	4.41	4.41	-		
3.	Aggladia Schemes.	25.00	25.00	-	-	4.13	5.13	5.24	7.50	7.50	-		
4.	Agronomical works.												
(a)	Follow-up-programme for developed land.	2.44	0.75	-	-	0.04	-	-	0.05	0.05	-		
(b)	Agronomical experiments-	0.30	-	-	-	0.08	-	-	0.05	-	-		
(c)	Conservation irrigation and dongs correction.	0.16	-	-	-	-	-	-	2.21	-	-		
5.	Cash Crop Development.	0.69	-	-	-	0.05	0.01	0.09	0.10	-	-		
6.	Misc. Soil Conservation Works												
(a)	Soil Conservation Research field trial & data collection.	0.36	-	-	-	0.01	-	-	0.04	-	-		
(b)	Engineering works, stream bank erosion control.... etc.	7.22	7.22	-	0.49	0.78	0.50	0.86	1.10	1.10	-		
(c)	Grassland development on eroded land etc.	1.11	1.11	-	0.09	0.05	0.30	0.03	0.05	0.05	-		
(d)	Extension wing, soil cons. publicity, exhibition, posters & pamphlets etc.	0.29	-	-	0.02	0.05	-	0.01	0.02	-	-		

(contd..... 2)

	1	2	3	4	5	6	7	8	9	10	11	12
(e) Soil Conservation Aerial photographs, survey works, etc.			0.39	-	-	0.04	0.01	-	-	0.05	-	-
7. Building & approach roads.			7.67	5.46	-	1.27	1.71	1.84	1.67	1.60	1.00	-
8. Tools, plants and stores.			4.62	2.29	-	0.25	0.97	0.92	0.56	0.70	0.35	-
9. Miscellaneous contingencies.			1.43	-	-	0.24	0.12	0.07	0.11	0.15	-	-
TOTAL:			105.00	78.27	-	9.96	17.42	20.50	20.50	25.18	18.46	-

Dk/8/10/

STATE:: ASSAM

(GENERAL AREAS)

DRAFT ANNUAL PLAN 1972-73
I-7 AY..CUT (AREA) DEVELOPMENT.

Area development programme in the command area of medium irrigation project of Jamuna in Nowgong District benefitting about 65,000 acres has been taken up in the State. Similar programmes will be under taken within command area of Sukla or other medium irrigation projects when completed.

The Scheme aims at undertaking a co-ordinated action for proper utilisation of irrigation potential created by major/medium irrigation projects. The scheme 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 for this programme in the Fourth Five Year Plan is Rs.13.00 Lakhs. The survey of the Jamuna Irrigation project area has been completed. Necessary staffing has been done in 1969-70. With an expenditure of Rs. 1.00 Lakhs in 1970-71, programmes of levelling, digging of field channels and demonstration of different cropping patterns were implemented. A sum of Rs.5.60 lakhs has been allocated for 1971-72, and the above programmes are in operation in the Jamuna Irrigation projects area. For 1972-73, the provision has been reduced to Rs.3.00 lakhs.

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DRAFT ANNUAL PLAN 1972-73
Plan Outlays and Expenditure -Schemewise.

Statement-III

State - ASSAM

(Rs. in lakhs)

Sl. No.	Head/Sub-head/Scheme	Fourth Plan Outlay(1969-74)			Actual Expenditure		1971-72		1972-73		
		Total	Capital	Foreign Exchange	1969-70	1970-71	Approved Outlay	Anticipated Expend.	(Proposed Outlay)		
1	2	3	4	5	6	7	8	9	10	11	12

I - 7 . AYACUT(AREA)DEVELOPMENT

Area Development Programme	13.00	9.00	-	0.40	1.00	5.60	5.60	3.00	2.00	-
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I-8. ANIMAL HUSBANDRY.I. Review of Animal Husbandry Development in the State during 1969-72:(1) Cattle Development Programme:

The principal schemes under this programme were Intensive Cattle Development Projects, Key Village and Breeding operation. One Intensive Cattle Development Project (large) was established in 1967-68 and by the end of 1969, the second generation of cross-bred heifers was in production and this showed a significant result. A second Intensive Cattle Development Project (medium) has to be started to meet the increased demand. Under these projects, Jersey and Guernsey breeds are used. Average milk yield of graded cows has gone upto 6 litres from the original yield of 1 litre a day of the local cows. During 1971-72, the programmes introduced earlier are being intensified. Details of new centres established under these programmes, number of inseminations, calves borne, heifers distributed, farmers trained etc. achieved during 1969-70 and 1970-71 and targets fixed for 1971-72 are indicated below:

	<u>Achievement</u>		<u>Target for</u>
	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>
1) Establishment of I.C.D.P. (Medium)	1	x	x
2) " " Key Village Blocks	2	2	2
3) " " Stockmen centres.	21	38	50
4) Expansion of stockmen centres	29	64	x
5) " " Livestock Farms Exotic herd	1	x	2
6) Formation of Cooperative Societies.	37	x	20
7) A.I. done	27032	21,682	75,000
8) A.I. born calves subsidised	200	300	3500
9) Financial assistance to Goushalas	2	x	2
10) Estt. of Regional A.I. centres	x	1	2
11) Central Semen Bank	x	1	x
12) Bull Extension Centre	x	1	x
13) Expansion of Key Village Centres	x	10	2
14) Purchase of exotic bulls	x	17	x
15) Purchase of improved bulls	x	15	x
16) Exotic heifers distributed	x	70	140

(2) Feed and Fodder Development:

Improvement of Cattle depends on good fodder. Fodder Development Programme was, therefore, intensified. This is done through the schemes under I.C.D. Projects, Key Village Flocks and Breeding operation. The State Fodder Development Organisation was strengthened. The achievement of the scheme during 1969-70 and 1970-71 under certain items are appended below:

	Achievement	
	1969-70	1970-71
1) Establishment of Fodder Seed Production Farms	1	x
2) Expansion of Seed Production Farm	1	x
3) Improvement of selected grassland	2	2
4) Area covered under fodder cultivation	1200 acres	8448 acres.
5) Estt. of demonstration fodder plots	x	4
6) Seeds and Manure distributed	x	75 farmers
7) Distribution of roots and seeds	x	250 Quintals
8) Silage making	x	200 "
9) Conservation of fodder	x	900 "

During 1971-72 the State Fodder Development Organisation is further strengthened. New fodder demonstration units ~~ix~~ in all the State Veterinary Dispensaries, Hospitals are proposed to be established.

Targets fixed for 1971-72 are as follows:-

(1) Estt. of demonstration plots	40 nos.
(2) Subsidy for fertilizer, seed, tubewells, making hay, silage etc.	175 farmers.
(3) Formation of Cooperative Societies for financial help	20 nos.
(4) Hay making	1000 Qntls.
(5) Silage making	500 "
(6) Distribution of roots	3,00,000 "
(7) Distribution of seeds	1,180 "

(3) Sheep and Goat Development:

Noticeable popularity in rearing sheep and goats in the State was evident. To meet the increased demand, improved breeds of ~~Government~~ goat like Barbari, Jamunabari, Botal were distributed in the rural areas.

During 1971-72 this programme is being intensified. Achievement during ~~1969-70~~ 1969-70 & 1970-71 and target for 1971-72 are shown below:

	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>
(1) Distribution of improved Goats	339	570	360
(2) " " " bucks	x	140	140
(3) " " " sheep	x	70	x

(4) Poultry Development:

The programme of poultry development gained popularity. Exotic breeds like white-leg horn, R.I.R., New Hampshire and Austrolop became popular in the rural areas. In urban areas the Hyline breeds of poultry for egg production are gaining popularity. 5 Intensive Poultry Development Programme/ 52 Applied Nutrition Programme Blocks for poultry production were started. Demand for mixed poultry feed and improved housing facilities was also high. During 1971-72 Programme is proposed to be intensified by making available more birds from the district level poultry farms to private breeders and farmers of economically backward areas. Achievement during 1969-70 and 1970-71 and targets for 1971-72 are given below:

	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>
(1) Estt. of Intensive Poultry Development Programme.	1	x	1
(2) Expansion of Intensive Poultry Dev Programme.	4	x	x
(3) Distribution of Poultry Units	84	318	275
(4) Expansion of Poultry Duck Farms	10	x	x
(5) Applied Nutrition Programme Blocks	6	8	2
(6) Birds distribution	1782	2100	5040
(7) Production of Eggs	190	85	60
(8) Poultry Farmers trained	(Millions) 179	(lakhs) 112	(lakhs) 250
(9) Formation of Poultry Cooperative Societies	x	5	7
(10) Production of Chicken	x	8,25 (lakhs)	10 (lakhs)
(11) Distribution of K.C. Drakes	x	660	3570
(12) Distribution of cockerels	x	2100	5040

(5) Piggery Development:

Pork has occupied an important position in the dietary of the tribal and tea garden population of the State. As such, there is scope for piggery development. Piggery farms have been expanded by adding piggery units. Breeds like yorkshire, saddle back etc, were maintained so that improved pigs could be made available for release to the farmers. Achievements during 1969-70 and 1970-71 and targets for 1971-72 as shown below:-

	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>
(1) Distribution of exotic boars of subsidised rates	126	130	20
(2) Distribution of exotic units on return basis	70	85	170
(6) <u>Animal Health and Disease Control:</u>			

Many obscure and other diseases like Rinderpest, Ranikhet etc. were kept under control with the facilities provided. Achievements made during 1969-70 and 1970-71 under this programme and targets fixed for 1971-72 are enumerated below:

	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u> (target)
(1) Estt. of Veterinary Dispensaries	4	4	4
(2) Estt. of Mobile Vety Dispensaries	3	3	x
(3) Estt. of Clinical Investigation Unit	1	2	1
(4) Reconstruction of L.B.Vety. Dispensaries	8	8	4
(5) Estt. of 1st Aid Centres	x	6	6
(6) Estt. of Disease Intelligence Service	x	7	x
(7) Improvement of aid centres	x	4	x

(7) Education, Research & Statistics:

Education in Veterinary Science at University level is being managed by the Assam Agricultural University. There is a Statistical Cell attached with the Animal Husbandry Directorate to collect and compile various data on livestock and livestock products, disease control measures, etc.

Factual data about production and programmes have also been indicated in Annexure 1 and State VI.

II. Overall outlay, targets and strategy of development during the Annual Plan 1972-73.

With the poor stock of livestock of various species in relation to the requirements of the State's population, the task ahead to bring about an all-round improvement of livestock is stupendous. As usual, the emphasis will, therefore, be laid on all the existing programmes during 1972-73 and attempts will be made to implement the programmes on more intensive scales during that year. Information about programmes with outlays has been given in Annexure II.

III. Programme of Animal Husbandry Development during 1972-73:

A total outlay of Rs 76.06 lakhs is proposed for the Animal Husbandry Programme in the Annual Plan for 1972-73. The bulk of this outlay will, however, be utilised for the continuing schemes. 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 Artificial Insemination Centre, one Bull Rearing farm, ~~one~~ key village block, besides expansion of two key village blocks. Expansion of State Cattle farms with exotic herd, provision of water supply, development of roads etc, assistance to selected Goushalas and farmers will be taken up. Livestock show, milk-yield competition will be organised to educate farmers on cattle breeding, management practices, fodder production and disease control measures, etc. It is also proposed to inseminate 0.55 lakh cows and to distribute 200 heifers. An outlay of Rs ^{29.06} 29.06 lakhs is proposed.

(2) Feed and Fodder:

It is proposed to intensify fodder production drive. Practice of ~~stall~~ feeding and cultivation of fodder in the areas outside I.C.D. Programme and key village centres is almost unknown. To create an impact in the programme a strong central organisation in the Directorate of ~~Animal~~ ^{Animal} Husbandry and Veterinary with facilities for maintenance of large ~~lactating~~ areas under fodder in the district and Sub-divisional towns, may be necessary to meet the growing demand of the fodder. An outlay of Rs 1.48 lakhs is proposed.

(3) Sheep and Goat:

The Government units in the livestock farms are proposed to be expanded. Distribution of 600 improved goats is contemplated. A sum of Rs. 1.50 lakhs is proposed.

(4) Poultry Development:

One Intensive Poultry Development project and four Applied Nutrition Programme Blocks are proposed to be set up. Six existing Intensive Poultry Development Projects will be expanded with additional 180 units. The marketing section is proposed to be stabilised with facilities for storage, ^{quick} ~~guide~~ procurement and disposal of product like egg, poultry etc. Distribution of 3000 exotic cockerels, 3000 K.C. drakes and ducks, 200 units of poultry, formation of 10 cooperative societies and training of 250 breeders are also contemplated. A sum Rs 21.50 lakhs is proposed.

(5) Piggery Development:-

A farm will be expanded with a view to making available sufficient number of exotic boards (black and white) in the rural areas for improvement of local pigs. Piggery units of the livestock farms will also be expanded. A sum of Rs 2.55 lakhs is proposed.

(6) Animal Health & Disease control:

It is contemplated to strengthen the Animal Health Centres and Biological Products Section for rendering prompt and timely veterinary aid to the livestock. Physical targets proposed are as follows:-

(1) Estt. of Veterinary Dispensaries -	4
(2) Improvement of L.B. Dispensaries -	4
(3) Estt. of Veterinary Aid Centres -	12
(4) Estt. of Mobile Veterinary Dispensaries	3
(5) Estt. of Clinical Investigation Units	3

An outlay of Rs 16.22 lakhs is proposed.

(7) Education, Research & Statistics:

A sum of Rs 0.25 lakhs is proposed for Assam Veterinary College as a separate grant for the college will be given by the Agriculture Department under Assam Agricultural University. Rs 0.20 lakh is proposed for providing facilities for training of Veterinary Field Assistants.

The Schemewise outlays has been shown in Statement III.

STATE:- ASSAM

Draft Annual Plan 1972 - 73
Plan outlays and expenditure - scheme-wise

(General Areas)
Statement-III
(Rs in Lakhs)

Sl. No.	Head/Sub-head / Scheme	Fourth Plan Outlay(1969-74)			Actual Expenditure: 1971 - 72			1972-73(Proposed Outlay			
		Total	Capital	Foreign Exchange	1969-70	1970- 71	Approved: outlay	Anticipa- ted expen- diture.	Total	Capital	Foreign Exchange
1	2	3	4	5	6	7	8	9	10	11	12
I- 8 ANIMAL HUSBANDRY											
1: Cattle Development Programme.											
1.	Scheme for Intensive Cattle Dev. Project.	80.00	16.10	-	5.81	12.91	14.00	14.00	20.00	5.00	-
2.	Scheme for Esstt. of Sire Evaluation Cell	1.62	-	-	-	0.12	0.50	0.50	0.50	-	-
3.	Key Village Scheme.	10.00	2.77	-	1.92	1.62	2.00	2.00	3.00	0.50	-
4.	Scheme for Estt. of Bull Rearing Farm.	5.00	1.57	-	0.50	0.90	0.92	0.92	1.28	0.40	-
5.	Goushala Dev. Scheme.	1.30	-	-	0.20	0.20	0.20	0.20	0.15	-	-
6.	Scheme for Cattle Show.	1.90	-	-	0.40	0.30	0.40	0.40	0.40	-	-
7.	Assistance to Dairy Farming Co-operatives	-	-	-	-	-	-	-	-	-	-
8.	Expansion of Breeding Operation.	8.25	1.05	-	1.00	1.00	2.25	2.25	2.50	0.25	-
9.	Scheme for Training of Farmers.	-	-	-	-	-	-	-	-	-	-
10.	Scheme for esstt. of unit of Exotic Dairy branch-State Livestock Farms.	5.00	1.30	1.50	1.00	0.72	1.00	1.00	1.00	0.25	0.50
11.	Milk Yield Competition.	1.00	-	-	0.20	0.20	0.20	0.20	0.20	-	-
2.	Loan for Purchase of milch animals.	-	-	-	-	-	-	-	-	-	-
Total:-		114.07	22.79	1.50	11.03	17.97	21.47	21.47	29.03	6.40	0.50
I. Feed and Fodder Dev.											
1.	Expansion of Fodder Seed Farms.	2.00	0.30	-	0.74	0.25	0.35	0.35	0.32	-	-

	2	3	4	5	6	7	8	9	10	11	12
I. Scheme for Forage Conservation.											
1. Estt. of Fodder Bank	1.00	-	-	-	0.20	0.20	0.20	0.20	0.20	-	-
2. Development of Selected Grass lands	1.50	1.00	-	-	-	-	-	-	-	-	-
3. Strengthening of Fodder Dev. Orgstn.	3.17	0.27	-	-	0.50	0.57	0.60	0.60	0.70	-	-
Total:-	8.67	1.57	-	-	1.50	1.17	1.40	1.40	1.48	-	-
II. Sheep and Goat Dev.											
1. Expansion of Goat Farms.	2.33	0.55	-	-	0.30	0.23	0.23	0.50	0.50	0.15	-
2. Introduction of Goat Farming Economy.	1.00	-	-	-	0.50	0.50	-	-	-	-	-
3. Estt. of New Goat Farms.	-	-	-	-	-	-	-	-	-	-	-
4. Importation of Exotic Goat & Sheep.	5.00	-	2.50	-	-	-	1.00	1.00	0.50	-	0.50
5. Assistance to weaker section of population.	4.00	-	-	-	0.50	0.50	0.75	0.75	0.50	-	-
Total:-	12.33	0.55	2.50	-	1.30	1.23	2.25	2.25	1.50	0.15	0.50
IV. Poultry Development.											
1. Scheme for Applied Nutrition Programme.	19.07	-	-	-	1.37	3.80	4.40	4.40	4.50	-	-
2. Scheme for Co-ordinated Poultry Breeding Programme.	5.30	-	-	-	0.90	0.80	0.80	0.80	1.30	-	-
3. Scheme for Manufacture & distribution of Poultry feed & Egg Marketing on Commercial basis.	18.52	3.12	-	-	2.62	3.65	3.75	3.75	4.00	0.50	-
4. Scheme for Intensive Egg & Poultry Production-cum-Marketing Centre.	38.65	6.85	-	-	5.90	6.90	8.10	8.10	8.25	1.50	-

1	2	3	4	5	6	7	8	9	10	11	12
IV. Expansion of State Poultry & Duck Farms.											
5.	11.49	4.45	-	-	2.49	2.00	2.00	2.00	2.00	1.00	-
B. Poultry Dev. in Plains Tribal Areas.											
6.	2.50	-	-	-	0.50	0.50	0.50	0.50	0.50	-	-
7. Strengthening of Poultry Dev. Staff.											
7.	2.01	-	-	-	0.30	0.30	0.40	0.40	0.45	-	-
8. Estt. of Poultry Farms.											
8.	-	-	-	-	-	-	-	-	-	-	-
9. Training of Farmers in Poultry Farms.											
9.	2.46	0.35	-	-	0.53	0.43	0.50	0.50	0.50	-	-
Total:-											
	100.00	14.77	-	-	14.61	18.38	20.45	20.45	21.50	3.00	-
V. Piggery Development.											
1. Expansion of Pig Farms.											
1.	3.38	0.85	-	-	0.50	0.73	0.70	0.70	1.00	0.50	-
2. Esstt. of Pig Farms.											
2.	3.71	0.80	-	-	0.50	0.66	0.75	0.75	0.80	0.20	-
3. Distribution of Boars & Pigs for formation of Piggery Dev. Blocks.											
3.	3.50	-	-	-	0.50	0.75	0.75	0.75	0.75	-	-
Total:-											
	10.59	1.65	-	-	1.50	2.14	2.20	2.20	2.55	0.70	-
VI. Veterinary Education, Research & Statistics.											
1. Expansion of Assam Veterinary College.											
1.	4.50	0.38	-	-	1.50	0.75	0.75	0.75	0.25	-	-
2. Expansion of School of Vety. Science.											
2.	1.40	0.20	-	-	0.40	0.20	0.40	0.40	0.20	-	-
3. Scheme for Control of Diseases taken over by this Deptt. (Sponsored by the I.C.A.R.).											
3.	5.27	0.42	-	-	1.59	1.41	0.72	0.72	0.75	-	-
Total:-											
	11.17	1.00	-	-	3.49	2.36	1.87	1.87	1.20	-	-
VII. Animal Health and Disease control.											
1. Improvement of L.B. Vety. Dispensaries.											
1.	9.50	9.50	-	-	1.25	1.25	2.00	2.00	2.00	2.00	-
2. Expansion of B.P. Section including B.C.P.P.											
2.	9.05	4.18	-	-	2.00	1.05	2.00	2.00	2.00	1.00	-
3. Expansion of Vety. Aid facilities-Esstt. of Vety. Hospitals & Dispensaries.											
3.	17.13	7.63	-	-	3.49	2.42	2.80	2.80	3.42	1.50	-

1	2	3	4	5	6	7	8	9	10	11	12
4.	Esstt.of Mobile Vety. Dispensaries.	4.20	-	-	0.30	1.00	0.90	0.90	1.50	-	-
5.	Esstt.of Clinical Investigation unit at District Level.	5.52	2.62	-	0.40	1.12	1.20	1.20	1.30	0.60	-
6.	Estt.of Vety.Aid Centres.	4.60	2.90	-	0.30	0.50	1.10	1.10	1.20	0.70	-
7.	Rinderpest Eradication Follow up Programme.	3.49	-	-	1.00	0.59	0.60	0.60	0.80	-	-
8.	Animal Welfare Board.	-	-	-	-	-	-	-	-	-	-
9.	Disease Intelligence Service & control of T.B. and Brucellosis.	6.87	0.30	-	0.71	1.60	1.46	1.46	1.50	-	-
10.	Expansion of Animal Health Centre.	9.51	4.15	-	0.78	1.28	2.25	2.25	2.50	1.00	-
	Total:-	69.87	31.28	-	10.23	10.81	14.31	14.31	16.22	6.80	-
VIII. Other Schemes.											
1.	Administrative Organisation.	3.60	-	-	1.00	0.50	0.60	0.60	0.70	-	-
2.	Scheme for Livestock Census.	-	-	-	-	-	-	-	1.03	-	-
3.	Scheme for Modern slaughter House at Gaunhati-preparation of Blood meal, meat meal etc.,	3.83	1.50	-	-	-	-	-	-	-	-
4.	A.H.Scheme in I.A.D.P. (Package) areas.	0.47	-	-	0.02	0.30	0.05	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	0.80	0.80	0.80	-	-
	Total:-	13.30	1.50	-	3.42	1.40	1.45	1.45	2.58	-	-
GRAND TOTAL:-		340.00	75.11	4.00	47.08	55.46	65.40	65.40	76.06	17.05	1.00

STATE:- ASSAM

..99 ..
Draft Annual Plan 1972 - 73
Physical targets and achievements.

(General Areas)
Statement -- VI

SL. NO.:	Item	Unit	Achievements 1968-69	Fourth Plan Target 1969-74	Achievements 1969-70	Achievements 1970-71	1971-72 Target	1971-72 Anticipated Achievement	1972-73 Proposed targets.
1	2	3	4	5	6	7	8	9	10
<u>ANIMAL HUSBANDRY</u>									
1.	Veterinary Hospitals /Dispensaries	No	3	20	4	4	4	4	4
2.	Intensive Cattle Development Blocks.	No	1	1	1	-	-	-	-
3.	Artificial Insemination.	No	15202	3,00,000	27,032	21,682	75,000	75,000	80,000
4.	Stockman Centres.	No.	10	175	21	38	50	50	40
5.	Areas under Fodder Crops.	Hectres	460	7,100	480	540	560	560	620
6.	Key Village Blocks-								
	(a) Established	No	1	6	2	1	1	2	1
	(b) Expanded	No	5	10	2	3	2	2	2
7.	Cattle Breeding Farms established (Bull Rearing)	No	-	2	-	1	-	-	1
8.	Sheep Breeding Farms Established.	No	-	-	-	-	-	-	-
9.	Sheep and Wool Extension Centres.	No	-	-	-	-	-	-	-
10.	Sheep shearing, grading and marketing Centres.	No	-	-	-	-	-	-	-

Contd.....2.

1	2	3	4	5	6	7	8	9	10
11. Production of Animal Products.									
(a) Milk/Milk Products.	Thousand tonnes	-	125	100	107.5	115	115	120	
(b) Meat	Kgs.	30,000	2,50,000	40,000	43,000	50,000	50,000	55,000	
(c) Wool		-	-	-	-	-	-	-	
12. No. of Govt. Poultry Farms established.	No.	-	-	-	-	-	-	-	
13. No. of Poultry Co-operatives	No.	-	39	2	5	7	7	10	
14. No. of Poultry Farmers trained:-									
(i) Short term course	No.	100	1,500	179	100	250	250	250	
(ii) Long term course	No.	-	-	-	-	-	-	-	
15. Intensive Egg and Poultry Production-cum-Marketing Centres.	No.	-	4	1	-	1	1	1	

STATE :- ASSAM

Centrally Sponsored Schemes
Draft Annual Plan 1972-73: Schemewise outlay
and Expenditure

Statement - VII
(Rs. Lakhs)

SL. No.:	Name of Scheme	Fourth Plan : 1969-70	Actual Expenditure : 1970-71	1971 - 72 : Outlay	1971 - 72 : Anticipated Expenditure	1972 - 73 : Proposed outlay	Capital:
1.:	2.:	3.:	4.:	5.:	6.:	7.:	8.:

ANIMAL HUSBANDRY

1.	Progeny Testing of Bulls.	-	-	5.00	5.00	2.00	-
2.	Rinderpest Eradication (InterState and International Border).	-	1.85	2.01	2.01	2.00	-
3.	Training Centre for Sheep Husbandry and wool Technology.	-	-	-	-	-	-
4.	Sheep Breeding Farms.	-	-	-	-	-	-
Total:-		-	1.85	7.01	7.01	4.00	-

(Token provision)

STATE:- ASSAM

Draft Annual Plan 1972-73
Centrally Sponsored Schemes,
Schemewise Physical Targets and Achievements.

Statement - VIII

SL. NO.:	Unit:	Fourth	Achievements	1971-72	1972-73			
:	Name of the Schemes:	Plan	1969-70	1970-71	Proposed			
:	:	targets:	:	:	Anticipated:			
:	:	1969-70	:	:	Achievement:			
:	:	2+	:	:	Proposed			
1	2	3	4	5	6	7	8	9

ANIMAL HUSBANDRY

1.	Progeny Testing of Bulls Farms.	No.	1	-	-	1	1	-
2.	Rinderpest Eradication (International and Interstate Border)							
	Vaccination Station	No.	1	1	-	-	-	-
	Vigilance Units	No.	3	2	-	1	1	-
3.	Training Centre for Sheep Husbandry & Wool Technology.	No.	-	-	-	-	-	-
4.	Sheep Breeding Farms.	No.	-	-	-	-	-	-

STATE: ASSAMANNUAL PLAN 1972-73-ANIMAL HUSBANDRY.
PHYSICAL TARGETS AND ACHIEVEMENTSANNEXURE I

Sl. NO.	Schemes	Unit	1969-70	1970-71	1971 - 72	1972 - 73	Forth Plan	
			Achieve- ment.	Achieve- ment.	Target.	Anticipated : achievements.	Targets.	Targets.
1	2	3	4	5	6	7	8	9
<u>ANIMAL HUSBANDRY</u>								
1.	Intensive Cattle Dev. Project (New)	Nos.	1	-	-	-	-	1
2.	Key Village Blocks							
	(a) New	Nos.	5(3)	2(1)	3(2)	4(2)	1	12(6) (-) Hill areas.
	(b) Expansion	Nos.	2	3	2	2	2	10
3.	Cattle Breeding Farm.							
	(a) New	Nos.	-	-	-	-	-	-
	(b) Expansion	Nos.	1	1	2	2	2	7
4.	Bull Rearing Farms.	Nos.	-	1	-	-	1	2
5.	Fodder Seed Production Farms.	Nos.	1	-	-	-	-	2
6.	Fodder Banks.	Nos.	-	-	-	-	-	-
7.	Feed Mixing Plants.	Nos.	-	-	1	1	1	4
8.	Sheep Breeding Farms.							
	(a) New	Nos.	-	-	-	-	-	-
	(b) Expansion	Nos.	(1)	-	-	-	-	(1) (-) Hill areas.
9.	Sheep and wool Extension Centres.							
	(a) New	Nos.	-	-	-	-	-	-
	(b) Expansion	Nos.	-	-	-	-	-	-
10.	Sheep shearing, wool grading and marketing centres.	Nos.	-	-	-	-	-	-
11.	Poultry Breeding Farms.							
	a) New	Nos.	(2)	(3)	(3)	(3)	-	(8) (-) Hill areas.
	b) Expansion	Nos.	-	6	2	2	2	10
12.	Extensive Egg and Poultry Production-cum-Marketing Centres (New)	Nos.	1	-	1	1	1	4

Contd....2.

	2.	3.	4.	5.	6.	7.	8.	9.
Poultry Farmers Trained.	Nos.	199(20)	122(12)	270(20)	270(20)	270(20)	1592(92)	(-)Hill areas.
Bacon Factories (Spillover)	Nos.	-	-	-	-	-	-	-
Pork Processing Plants.	Nos.	-	-	-	-	-	-	-
Pig Breeding Farms.	Nos.	1	4(3)	-	-	-	5(3)	(-)Hill areas.
Piggery Development Blocks.	Nos.	-	-	-	-	-	-	-
(a) Vety. Hospitals/Dispensaries (New)	No.	4	4	4	4	4	20	
(b) Vety. Dispensaries (Upgraded)	No.	8	8	4	4	4	26	
Hide playing/carcass utilisation centres.	No.	-	-	-	-	-	-	-
Production & Animal Products.	Thousand	100	107.5	115	115	120	125	
(a) Milk/Milk Products.	Tonnes							
(b) Meat (all types) K.G.		40,000	43,000	50,000	50,000	55,000	2,50,000	
(c) Eggs.	Million	160	180	194	194	195	196.13	
(d) Wool.	Thousand K.G.	-	-	-	-	-	-	

State :- Assam

Annual Plan 1972 - 73 - Animal husbandry
Programme wise Financial
outlays

Annexure II

(Rs. in Lakhs)

SL. No.	Programme	1971-72					1972 - 73		
		Fourth Plan Outlay	1969-70 Actual	1970-71 Actual	Approved expenditure	Anticipated expenditure	total	Capital	Foreign exchange.
1	2.	3	4	5	6	7	8	9	10
1.	Cattle Development.	114.07	11.03	17.97	21.47	21.47	29.03	6.40	0.50
2.	Feed and Fodder Development.	8.67	1.50	1.17	1.40	1.40	1.48	-	-
3.	Sheep and Goat Development.	12.33	1.30	1.23	2.25	2.25	1.50	0.15	0.50
4.	Poultry Development.	100.00	14.61	18.38	20.45	20.45	21.50	3.00	-
5.	Piggery Development.	10.59	1.50	2.14	2.20	2.20	2.55	0.70	-
6.	Animal Health & Disease Control.	69.87	10.23	10.81	14.31	14.31	16.22	6.80	-
7.	Education, Research & Statistics.	11.17	3.49	2.36	1.87	1.87	1.20	-	-
8.	Other Schemes.	13.30	3.42	1.40	1.45	1.45	2.58	-	-
Total : Animal Husbandry:		340.00	47.08	55.46	65.40	65.40	76.06	17.05	1.00

DRAFT ANNUAL PLAN - 1972-73I-9. DAIRYING AND MILK SUPPLY

In the Dairy and Milk Supply Sector, it has been possible to meet the demand of milk to a large extent in the town areas of Gauhati and Jorhat.

In 1970-71 the Gauhati and Jorhat Town Milk Supply Schemes were further strengthened by establishment of two chilling plants one at Garukhuti and the other at Joysagar. The required machineries and equipments for establishment of a Central Dairy Plant at Jorhat have been purchased under phased programme and the construction works of the buildings for the proposed dairy plants at Jorhat has been taken up. An amount of Rs. 1.00 lakh (Rupees one lakh) was given loan to the private breeders for purchase of milch animals with an objective to increase production of milk.

The scheme for rural Dairies were taken up at Dibrugarh and Tezpur with a view to setting up town milk supply schemes at both towns.

Bulk milk is produced in khuties (professional grazing reserve). The producers are nomadic by nature. Besides, flood causes shortage of fodder and it compels the producers to move out of reach from chilling plants. This adversely effect the regular flow of milk to the chilling plants under the schemes and milk supply is hampered. Steps are taken to concentrate producers in and around the chilling plant by providing facilities for fodder rehabilitation etc.

In 1971-72 steps are being taken to convert the rural Dairies at Dibrugarh and Tezpur to Town Milk Supply Schemes. About 7,000 litres of milk on a daily average is handled at both the town milk supply schemes at Gauhati and Jorhat. An increase in quantity of milk to 12,000 litres daily at ^{the} end of the year is expected when the facilities mentioned

above are completed. An amount of Rs. 1.50 lakhs (Rupees one lakh and fifty thousand) will be given on loan in kind to the private breeders for purchase of milch animals.

In 1972-73, the town milk supply scheme at Gauhati will be equipped for production of toned milk and recombined milk to meet ^{the} demand of milk in the lean season. The Central Dairy plant at Jorhat will be commissioned during the year. The town milk supply schemes at Dibrugarh and Tezpur will be strengthened by establishment of chilling plants at Biswanath Chariali and Lahowal where necessary land has already been arranged.

An amount of Rs. 13.78 lakhs is proposed under this scheme during 1972-73. The Schemewise details may be found in Statement III and other information in Annexures I, II & III.

M. Towfique,
11/10/71.

Installed 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.	1968-69		1969-70		1970-71	
			Ins. Cap.	Act. Hand.	Ins. Cap.	Act. Hand.	Ins. Cap.	Act. Hand.
1	2	3	4	5	6	7	8	9
1.	Gauhati Town Milk Supply Scheme.	15.1.63	-	7,000 litres	10,000 litres	5,000 litres	10,000 litres	6,000 litres
2.	Jorhat Town Milk Supply Scheme.	14.11.67	-	2,000 litres	-	1,500 litres	-	2,000 litres
3.	Milk Product Factory at Garamani.	January '71.	-	-	-	-	-	-

- N.B.1) Central Dairy Commissioned from 1.7.69.
 2) The Central Dairy at Jorhat has not yet been completed.
 3) The scheme is running as a pilot project. Actual operation of the scheme was taken up during 1971-72. In 1970-71 survey was conducted to assess the availability of milk and Milk products.

M. Towfique,
 16/10/71.

ANNUAL PLAN 1972-73 - DAIRYING AND MILK SUPPLY-
PHYSICAL TARGET AND ACHIEVEMENTS.

ANNEXURE-II,
(General Areas).

STATE: ASSAM.

(Numbers)

Sl. No.	Items.	Fourth Plan target 1969-74.	1969-70 completed.	1970-71 completed.	1971 - 72		1972-73	
					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
1.	New Milk Supply Schemes.	3	-	-	2	-	-	-
2.	Spillover milk Supply Schemes.	1	-	-	1	-	-	-
3.	Expansion of Milk Supply Schemes.	1*	-	-	-	-	-	-
4.	Milk Product Factory (Hills areas).	1 ⊗	-	-	1	-	-	-
5.	Spillover milk product Factories.	-	-	-	-	-	-	-
6.	Expansion of milk product factories.	-	-	-	-	-	-	-
7.	Rural Dairy Centres.	1	-	-	-	-	1	-

* Expansion of town milk supply scheme at Gauhati initiated since 1969-70 and is continuing.

⊗ Relating to Hill Areas.

ANNUAL PLAN - 1972-73 - DAIRYING AND MILK SUPPLY.

STATE: ASSAM.

ANNEXURE-III. (General Areas

Programme-wise financial outlays.

(Rs. in lakhs).

Sl. No.	Programme	Fourth Plan Outlay	1969-70 Actual	1970-71 Actual	1971-72		1972-73		
					Approved Outlay	Anticipated expenditure.	Total	Capital	Foreign Exchange
1	2	3	4	5	6	7	8	9	10
1.	Milk Supply Schemes.	59.28	11.14	10.04	14.30	14.30	11.80	2.50	-
2.	Milk Product Factories including creameries.	-	-	-	-	-	-	-	-
3.	Rural Dairy Centres.	4.22	1.42	0.35	1.45	1.45	0.50	-	-
4.	Education, training and Research	0.51	0.30	0.06	0.15	0.15	-	-	-
5.	Other Schemes.	5.99	0.14	1.07	1.80	1.80	1.48	1.00	-
Total:		70.00	13.00	11.52	17.70	17.70	13.78	3.50	-

M. Towfique,
16/10/71.

Draft Annual Plan - 1972-73

STATE: ASSAM

(General Area)

I-10. FORESTS

- (1) Review of the forestry development in the State during the 1st 3 years of Fourth Plan i.e. 1969-70 to 1971-72.

Progress of expenditure and achievement of targets towards thereof has been satisfactory during the 1st 2 years of the 4th Plan and the tempo of development initiated during previous Plans have been fully maintained during the 3rd year of the 4th Plan i.e. 1971-72, as can be seen from the following :-

	<u>Provision</u>	<u>Expenditure (in lakhs)</u>
1969-70	Rs. 35.00	Rs. 36.93
1970-71	Rs. 49.00	Rs. 48.75
1971-72	Rs. 55.10	Rs. 55.10 (anticipated)
	<u>Rs. 139.10</u>	<u>Rs. 140.78</u>

It would thus appear that against the revised 4th Plan outlay of Rs. 265.00 lakhs, the expenditure for the 1st 3 years has been about 53% only and, therefore, in order to fulfill the balance financial targets of 4th Plan, it is necessary that the minimum requirement of Rs. 58.83 lakhs as proposed in the annual plan 72-73 should be given to the Department, for which necessary infrastructure are already existing.

In addition to the above, a Centrally Sponsored Scheme of "Forest Resources Survey" was also implemented successfully as below :-

	<u>Provision</u>	<u>Expenditure (in lakhs)</u>
1969-70	Rs.0.75	Rs.0.76
1970-71	Rs.0.90	Rs.0.87
1971-72	Rs.0.50	Rs.0.87 (anticipated)

During the period under review adequate attention has been given to 'Economic Plantations' and 'Nature Conservation' Schemes with special emphasis on Hardwood (like sal), Plywood, Teak Plantation, Matchwood and Medicinal Plantations. The State 'Zoo' and 'Botanical Garden' was also given due attention within the limitations of fund. Under the 'Forest Protection' scheme, 3 more Protection Squads have been raised (including 1 squad during 1971-72) to guard against commission of forest offences and for detention of illegalities. Training facilities have been expanded with additional provision of Forest Guards Training in the Assam Forest School under the scheme 'Training of Staff'. The scheme for Timber Operation (Logging Training) has received adequate attention and 12 (twelve) centres, including 5 centres proposed during 1971-72, have been already opened in all the 12 territorial forest Divisions with trained staff. The no. of staff requiring training under this scheme is expected to be completed during 1971-72. Adequate attention is also given to the scheme 'Forest Publicity' on forestry and Wild Life matters.

Under the scheme of 'Amenities to Forest staff & Labour' special attention has been given to provide our forest villagers with roads and drinking water facilities.

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Programmes under the scheme of 'Communication' has been initiated for construction of new roads and improvement of the existing ones linking our forest areas, to facilitate easy and economic extraction of timber, which is the main source of revenue for the Department. Under the 'Rehabilitation of Degraded Forests' scheme, due attention is given to rehabilitate the ex-tertiary forest areas by creation of sal and other plantations and adequate protection to the forests by cultural and other measures.

The scheme of 'Fast Growing Species' received special attention and a separate Division was opened during 1969-70 to cope with the expansion programme of plantation. Similarly a separate 'Wild Life Division' was also opened during 1969-70 under the scheme of 'Nature Conservation' for proper management of the proposed Kaziranga National Park and other Wild Life Sanctuaries of the State. Under the scheme of 'Intensification of Management - Creation of New Administrative Units', 2 more Forest Divisions have been created for efficient and intensified management of the State Forests and thereby earning of more and more revenues to the Department. The scheme of National Park and Wild Life Sanctuary also need adequate attention both for protection and improvement. Roads and buildings have been constructed for proper patrolling and to provide accommodation for staff and visitors.

(II) Objectives, overall outlays and targets envisaged for 1972-73.

With a view to maintain a sustained tempo of our 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 1972-73 all the schemes of the previous years within a total outlay of Rs.58.83 lakhs, against actual expenditure of Rs.36.93 lakhs during 1969-70, Rs.48.75 lakhs during 1970-71 and anticipated expenditure of Rs.55.10 lakhs during 1971-72.

Special emphasis is proposed to be given to "Economic Plantations, 'Fast Growing Species' and 'Nature Conservation' schemes for bringing more areas under Economic plantations including fast growing species plantations, and for protection of the flora and fauna and to attract more tourists to our Wild Life Sanctuaries. It is also proposed to give due attention to the schemes 'Communication', 'Rehabilitation of Degraded Forests', 'Intensification of Management', 'Logging Training' and 'Training of Staff.' The information relating to targets under main programmes as well as information on outlays are given in Annexure I and Statement III, (Annexure II).

(III) Progress of Forest development during 1972-73:

(1) Farm Forestry-cum-fuel 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. However, the matter is being examined whether extension service

in this shape of providing seedlings of economic, fuel or ornamental species can be done in suitable areas in one or two Divisions.

- (2) Communication. - Special attention is proposed to be given to this scheme for construction of new roads and improvement of the existing roads to facilitate economic exploitation of forest produce and thereby earning more revenue to the State's Exchequer. Already new construction of 30.6 K.M. and improvement of 261 K.M. have been completed upto 70-71 and construction of 32 K.M. and improvement of 80.20 K.M. are envisaged during 1971-72.

Following target is proposed during 72-73 -

- | | | | |
|------------------------------------|-----|-------|---------|
| (i) new roads | ... | ..... | 35 k.m. |
| (ii) improvement of existing roads | | | 100 ,, |

- (3) Fast Growing Species - More areas of plantations are proposed to be taken up under the scheme for meeting the increasing demand of various forest based industries. 988 hectt. have been already created during 69-70 and 70-71 and further creation of 1300 hectt. are envisaged during 71-72. Targets proposed for 72-73 are as below :-

- | | | |
|------------------|-----|-------------|
| (i) new creation | ... | 1100 hectt. |
| (ii) maintenance | ... | 2288 ,, |

- (4) Economic Plantations - Special attention is proposed to be given to taking up larger areas under Teak, Matchwood, Plywood and Regeneration. A total area of 3253 hectt. has been already brought under the scheme upto 70-71 and a further addition of 2212 hectt. are

envisaged during 71-72. The targets proposed during 72-73 are as below :-

(i) Creation	...	2090 hectt.
(ii) Maintenance	...	11327 ,,

(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 villagers are fixed by proper Maps and putting boundary pillars.

2130.7 K.M. have been already surveyed upto 70-71 and further survey of 840 K.M. are envisaged during 71-72. Besides 2535 numbers of boundary pillars have been fixed upto 70-71 and 500 boundary pillars are proposed during 1970-71.

Targets proposed during 72-73 are as below :-

(i) Boundary Survey	-	900 K.M.
(ii) Boundary Pillars	-	500 Nos.

(6) Timber Operation & Logging Training - It is proposed to train up more staff and in turn to train up more forest workers in logging operation to reduce wastage of timber and thus help in forest conservancy. 2 nos. of A.C.F., 8 Forest Rangers and 16 Foresters have been already trained upto 70-71 and training of the balance of 1 A.C.F., 7 Forest Rangers and 14 Foresters are expected to be completed during 71-72. The provision

for 72-73 is mainly for maintenance of the above trained staff as well as for the preliminary expenditures 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 and also the preliminaries required in connection with obtaining necessary logging tools and implements.

(7) Rehabilitation of Degraded Forests - Ex-zamindari forest areas of the State have got potentially good 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 raising economic plantations like Teak & Sal, and improvement of roads and construction of Staff Quarters etc. A total of 60 hectt. of plantations, 16 nos. of buildings, 13.5 K.M. of roads have been completed by 1970-71, and 160 hectt. plantations, 10 Nos. of building and 2 K.M. roads are expected to be completed during 71-72.

Targets proposed for 72-73 are as below :-

<u>Plantations</u>	(i) Creation	...	200 hectt.
	(ii) Maintenance	...	220 ,,
Buildings	...	...	10 Nos.
Roads	...	...	5 K.M.

(8) Nature Conservation :- Under the scheme of 'National Park and Wild Life Sanctuary' special emphasis are ~~is~~ proposed to be given to provide more tourist facilities

and protection of fauna. Further development of the State Zoo and Botanical Garden are also proposed. The 2(two) Wild Life Divisions already created will be exerting more efforts for better and proper protection of the sanctuaries.

(9) Forest Research: Experiments to find suitable methods for planting up problem area and to find out growth statistics of fast growing species are taken under the scheme along with experiments on medicinal plants.

(10) Forest Resources Survey:- A 'Forest Resources Survey Division' already created under the scheme will continue survey of areas containing raw materials to feed forest based industries. 795 sq.miles have been already surveyed upto 70-71 and survey of about 400 sq. miles are expected to be completed during 71-72.

It is proposed to survey another 400 sq. miles during 1972-73.

(11) Miscellaneous - Other Schemes - Besides the above mentioned schemes, proposals for (i) expansion of the training facilities in the Assam Forest School, (ii) maintenance of the Forest Divisions created under 'Intensification of Management' (iii) maintenance of the 'Forest Protection Squads' (iv) provision for roads and drinking water facilities to the forest dwellers are incorporated in the programme for 72-73.

Outlay suggested for individual schemes are given in Statement III.

DRAFT ANNUAL PLAN 1972-73
 PLAN OUTLAYS AND EXPENDITURE - SCHEME-WISE
 (GENERAL AREAS)

STATEMENT-III
 (ANNEXURE -II)

STATE - ASSAM.

		(Rs. in lakhs)(General Areas)							PROPOSED OUTLAY 1972-73		
Sl. No.	HEAD/SUB-HEAD/SCHEMES	FOURTH PLAN OUTLAY 1969-74			1969-70	1970-71	1971-72		TOTAL	CAPITAL	FOREIGN
1	2	3	4	5	6	7	8	9	10	11	12
		TOTAL	CAPITAL	FOREIGN EXCHANGE	Actual Expenditure	(pro-visual)	APPROVED OUTLAY	ANTICIPATED EXPENDITURE			EXCHANGE

I-10. ~~FOREIGN CURRENCY~~
 ECONOMIC PLANTATIONS

1) Regeneration	18.24	18.24	-	2.33	3.23	3.80	3.66	4.28	4.28	Nil.
2) Plywood Plantation	6.05	6.05	-	0.79	0.97	1.10	1.10	1.40	1.40	,,
3) Matchwood Plantation	8.27	8.27	-	1.33	1.50	1.64	1.64	1.80	1.80	,,
4) Teak Plantation	20.55	20.55	-	2.34	2.78	3.80	3.80	5.20	5.20	,,
5) Khoir Plantation	0.38	0.38	-	0.10	0.07	0.07	0.07	0.07	0.07	,,
TOTAL ECONOMIC PLANTATION-	53.49	53.49	-	6.89	8.55	10.41	10.27	12.75	12.75	,,
6) Rehabilitation of Degraded Forests -	8.50	8.50	-	0.47	1.73	2.00	2.00	2.20	2.20	,,
7) Minor Forest Product cultivation of medicinal plant -	2.08	2.08	-	0.29	0.42	0.47	0.35	0.45	0.45	,,
8) communication -	19.10	19.10	-	5.25	3.60	3.00	3.00	3.30	3.30	,,
9) consolidation of Forest including Survey & Reservation-	6.81	-	-	1.02	1.39	1.40	1.28	1.40	-	,,
TOTAL -	36.49	29.68	-	7.03	7.14	6.87	6.63	7.35	5.95	,,

.....2/-

	1	2	3	4	5	6	7	8	9	10	11	12
NATURE CONSERVATION INCLUDING WILD LIFE												
10) National Park and Wild Life Sanctuary-	33.47	15.25	-	4.62	6.35	7.00	7.00	7.00	7.00	2.50	Nil	
11) Zoo -	16.42	7.90	-	2.92	4.00	3.00	3.00	3.00	3.00	1.00	,,	
12) Botanical Garden-	2.25	0.40	-	0.56	0.44	0.45	0.37	0.40	-	-	,,	
13) Wild Life Division-	6.73	1.95	-	0.72	1.91	1.75	1.39	1.20	0.30	0.30	,,	
TOTAL NATURE CONSERVA- TION	58.87	25.50	-	8.82	12.70	12.20	11.76	11.60	3.80	3.80	,,	
14) Training of Staff Assam Forest School-	2.52	0.75	-	0.55	0.47	0.50	0.50	0.50	0.50	0.20	,,	
15) Timber Operation - Logging Training -	7.39	-	-	0.42	0.93	1.75	2.26	2.55	0.10	0.10	,,	
16) Forest Protection-	5.27	1.60	-	0.94	0.79	0.95	1.86	1.75	0.10	0.10	,,	
17) Forest Research -	1.23	-	-	0.22	0.41	0.20	0.20	0.20	-	-	,,	
18) Planning & Statistical Cell -	10.23	-	-	2.19	1.74	2.05	2.05	2.50	-	-	,,	
19) Amenities to Forest Staff and labour -	2.50	0.50	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	,,	
20) Construction of Buil- ding -	6.80	6.80	-	1.00	1.80	1.50	1.50	1.00	1.00	1.00	,,	
21) Intensification of Management - Creation of New Administrative Units -	16.83	6.50	-	1.06	2.77	4.50	4.60	3.80	1.00	1.00	,,	

.....3/-

1	2	3	4	5	6	7	8	9	10	11	12
22) Publicity -	1.30	-	-	0.19	0.26	0.25	0.25	0.23	-	Nil	
23) Plantation of Fast Growing Species -	56.56	56.56	-	6.66	10.00	12.00	11.40	14.00	14.00		,,
24) Cultural Operation-	2.24	-	-	-	0.49	0.50	0.52	0.50	-		,,
25) Misc.- Purchase of Vehicles -	3.28	3.28	-	0.46	0.20	0.92	0.80	0.50	0.80		,,
TOTAL -	116.15	75.99	-	14.19	20.36	25.62	26.44	27.13	17.70		,,
GRAND TOTAL -	265.00	184.66	-	36.93	48.75	55.10	55.10	58.83	40.20		,,

DRAFT ANNUAL PLAN - 1972-73
PHYSICAL TARGETS AND ACHIEVEMENTS.

STATEMENT -VI.

Sl. No.	I T E M	UNIT	ACHIEVEMENT FOURTH PLAN		ACHIEVEMENT		1971-72		1972-73
			1968-69	TARGETS 69-74	1969-70	1970-71	TARGET	ANTICIPATED ACHIEVEMENT	PROPOSED TARGET
1	2	3	4	5	6	7	8	9	10
<u>1. AGRICULTURE AND IRRIGATION AREA UNDER FORESTS</u>									
	i) Area under Work Plan/ Working Plan -	Hectare	1610000	1650000 (excluding Meghalaya)	1610000	1527000 (exclud- ing Megh- alaya)	1530000	1530000	1575600
	ii) Area under quick growing/Economic Plantation -	Hectare	1875	15967	1457	2794	3512	3512	3192
	iii) Area under Fuel Plantation -	-	-	-	-	-	-	-	-
	iv) Others U.S.F. under State-	Hectare	8094000	2229000 (Excluding Meghalaya)	7690000	2229000 (exclud- ing Me- ghalaya)	2220000	2215000	2205000
TOTAL AREA UNDER FORESTS -		Hectare	9704000	3879000	9300000	3756000	3750000	3745000	3780600

STATE- ASSAM. CENTRALLY SPONSORED SCHEME
 DRAFT ANNUAL PLAN - 1972-73 - SCHEME-WISE OUTLAY AND EXPENDITURE
 STATEMENT-VII.
 (Rs. in Lakhs)

Sl. No.	NAME OF THE SCHEME	FOURTH PLAN OUTLAY 1969-74	ACTUAL EXPENDITURE		1971-72		1972-73	
			1969-70	1970-71 (Provisional)	OUTLAY	ANTICIPATED EXPENDITURE	PROPOSED OUTLAY	CAPITAL
1	2	3	4	5	6	7	8	9

AGRICULTURE
PRODUCTION
FORESTS

14. FOREST RESOURCES SURVEY -	6.25	0.76	0.87	0.50	0.875	0.875	-
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STATE - ASSAM.

DRAFT ANNUAL PLAN 1972-73
CENTRALLY SPONSORED SCHEMES
SCHEME-WISE PHYSICAL TARGETS AND ACHIEVEMENTS

STATEMENT-VIII.

Sl. No.	NAME OF THE SCHEME	ITEM	UNIT	FOURTH	ACHIEVEMENTS		1971-72		1972-73 PROPOSED.
				PLAN TARGETS 1969-74	1969-70	1970-71	PROPOSED	ANTICIPATED ACHIEVEMENTS	
1	2	3	4	5	6	7	8	9	10

AGRICULTURE PRODUCTION

FORESTS

14. FOREST RESOURCES SURVEY -	1) Survey	1) Sq. mile	1) 1972.5	1) 403.8	1) 302.7	1) 400	1) 400	1) 433
	2) Staff	2) No.	2) 6	2) 6	2) 6	2) 6	2) 6	2) 6

G.P.S.

ANNUAL PLAN - 1972-73 - FOREST
PHYSICAL TARGET AND ACHIEVEMENT.

ANNEXURE - I.

1	UNIT	FOURTH PLAN OUTLAY (Rs.in Lakhs)	1969-70	1970-71		1971-72		72 - 73 Target
			Achievement	Target	Achievement	Target	Achievement	
2	3	4	5	6	7	8	9	

FORESTS

(1) Farm Forestry-cum-
Fuelwood Plantation.

(a) During the year Hectare - - - - -

(b) Up to the end of the Year. Hectare - - - - -

(2) Communication

(a) During the year- (1) K.M. 19.10 1)N-24 1)N-15 1)N-6.6 1)N-32 1)N-32 1)N-35
(2) K.M. 2)E-124 2)E-142 2)E-136.94 2)E-80.20 2)E-80.20 2)E-100

(b) Up to the end of the year - (1) K.M. 1)N-1128 1)N-1143 1)N-1134.6 1)N-1175 1)N-1175 1)N-1210
(2) K.M. 2)E-4177 2)E-4319 2)E-4313.94 2)E-4399.20 2)E-4399.20 2)E-4499.20

(3) Quick Growing Species

(a) During the year- (1) Hectare 55.56 1)C-224 1)C-650 1)C-764 1)C-1300 1)C-1300 1)C-1100
(2) " 2)M-2285 2)M-2439 2)M-2439 2)M-2676.73 2)M-2676.73 2)M-4489

(b) Up to the end of the year - (1) Hectare 1)C-6101 1)C-6751 1)C-6865 1)C-8165 1)C-8165 1)C-9265
(2) " 2)M-2285 2)M-4724 2)M-4724 2)M-7400.73 2)M-7400.73 2)M-11889.73

	1	2	3	4	5	6	7	8	9
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4) ECONOMIC PLANTATIONS

(i) Regeneration

(a) During the year	1) Hectare 18.24	1) C-554	1) C-878	1) C-878	1) C-949	1) C-949	1) C-758		
	2) "	2) M-881	2) M-1319	2) M-1319	2) M-1612	2) M-1612	2) M-2361		
(b) Upto the end of the year-	1) "	1) C-8417	1) C-9295	1) C-9295	1) C-10244	1) C-10244	1) C-11062		
	2) "	2) M-881	2) M-2200	2) M-2200	2) M-3812	2) M-3812	2) M-6173		

(ii) Plywood Plantation

(a) During the year	1) Hectare 6.05	1) C-72	1) C-140	1) C-140	1) C-151	1) C-151	1) C-154		
	2) "	2) M-219	2) M-287	2) M-287	2) M-358	2) M-358	2) M-442		
(b) Upto the end of the year -	1) Hectare	1) C-1685	1) C-1825	1) C-1825	1) C-1976	1) C-1976	1) C-2130		
	2) "	2) M-219	2) M-506	2) M-506	2) M-864	2) M-864	2) M-1306		

(iii) Matchwood Plantation

(a) During the year-	1) Hectare 8.27	1) C-287	1) C-400	1) C-400	1) C-404	1) C-404	1) C-400		
	2) "	2) M-807	2) M-1096	2) M-1096	2) M-1296	2) M-1296	2) M-1350		
(b) Upto the end of the year -	1) Hectare	1) C-3886	1) C-4286	1) C-4286	1) C-4690	1) C-4690	1) C-5090		
	2) "	2) M-807	2) M-1903	2) M-1903	2) M-3199	2) M-3199	2) M-4549		

(iv) Teak Plantation

(a) During the year-	1) Hectare 20.55	1) C-320	1) C-612	1) C-612	1) C-708	1) C-708	1) C-780		
	2) "	2) M-836	2) M-1156	2) M-1156	2) M-1460	2) M-1460	2) M-1955		
(b) Upto the end of the year -	1) Hectare	1) C-2444	1) C-3056	1) C-3056	1) C-3764	1) C-3764	1) C-4544		
	2) "	2) M-836	2) M-1992	2) M-1992	2) M-3452	2) M-3452	2) M-5407		

.....3.

	1	2	3	4	5	6	7	8	9
(v) Khoir Plantation									
(a) During the year	1) Hectare 0.38	1) C-	1) C-	1) C-	1) C-	1) C-	1) C-	1) C-	1) C-
	2) "	2) M-40.47	2) M-40.47	2) M-40.47	2) M-40.47	2) M-40.47	2) M-40.47	2) M-40.47	2) M-40.47
(b) Upto the end of the year -	1) Hectare	1) C-	1) C-	1) C-	1) C-	1) C-	1) C-	1) C-	1) C-
	2) "	2) M-2176	2) M-2176	2) M-2176	2) M-2176	2) M-2176	2) M-2176	2) M-2176	2) M-2176
5) Rehabilitation of Degraded Forest									
(a) During the year	1) Hectare 8.50	1) Reg--	1) Reg.-	1) Reg. -	1) Reg-	1) Reg -	1) Reg -	1) Reg -	1) Reg -
	2) No.	2) Budg.-2	C-60	C-60	C-160	C-160	C-160	C-200	C-200
	3) K.M.	3) Road- 2	2) Budg.-14	2) Budg-14	M- 60	M- 60	M- 60	M-220	M-220
	4) No.	4) B.P.-100	3) Road-3	3) Road-11.5	2) Budg-10	2) Budg-10	2) Budg-10	2) Budg-10	2) Budg-10
	5) No.	5) Staff- -	4) B.P.-170	4) B.P.-170	3) Road- 2	3) Road- 2	3) Road- 2	3) Road- 5	3) Road- 5
			5) Staff-31	5) Staff-16	4) B.P.- -	4) B.P.- -	4) B.P.- -	4) B.P.-170	4) B.P.-170
					5) Staff-31	5) Staff-31	5) Staff-31	5) Staff-31	5) Staff-31
(b) Upto the end of the year-	1) Hectare	1) Reg-1093	1) Reg-	1) Reg -	1) Reg.-	1) Reg.-	1) Reg.-	1) Reg-	1) Reg-
	2) No.	2) Budg- 2	C-1153	C-1153	C-1313	C-1313	C-1313	C-1513	C-1513
	3) K.M.	3) Road- 2	2) Budg-16	2) Budg-16	M-60	M- 60	M- 60	M- 280	M- 280
	4) No.	4) B.P.-100	3) Road- 5	3) Road-13.5	2) Budg-26	2) Budg-26	2) Budg-26	2) Budg.-36	2) Budg.-36
	5) No.	5) Staff- -	4) B.P.-270	4) B.P.-270	3) Road-15.5	3) Road- -15.5	3) Road- -15.5	4) B.P.-440	4) B.P.-440
			5) Staff-31	5) Staff-16	4) B.P.-270	4) B.P.-270	4) B.P.-270	5) Staff-31	5) Staff-31
					5) Staff-31	5) Staff-31	5) Staff-31	5) Staff-31	5) Staff-31

N.B. :- C - Creation.
M - Maintenance.
Reg.-Regeneration.
Budg.-Building.
B.P.- Boundary Pillar.

I-11. FISHERIES.I Review of Fisheries Development in the State during 1969-72:

The Plan allocation for 1969-70, 1970-71 and 1971-72 and expenditure during those years are shown below:

(Rs. in lakhs)

Financial Year	Allocation	Expenditure
1969-70	9.00	10.47
1970-71	20.55 (revised)	14.21
1971-72	23.30	23.30 (Anticipated)

Emphasis has been given to the production of quality Fish seeds and also to popularise piscicultural practices in the private Sector specially in rural areas so that more marketable surplus of fish from the natural Fisheries can be diverted to the urban and industrial areas of the State. Besides, intensifying induced breeding of fish and extensive exploratory programmes for exploitation of natural spawn from the rivers have also been taken up availing of the technical guidance from the I.C.A.R. In spite of taking such steps, it was not possible to achieve the targets in respect of production of seeds during 1969-70 and 1970-71 due to various local problems such as, lack of adequate nursery facilities, transport difficulties in the rural areas, large-scale mortalities of fingerlings, inadequate technical knowledge in breeding the exotic fish, etc.

Greater emphasis has also been given to the development of the derelict Beel Fisheries which were once considered to be the main source of fish supply in the market. These fisheries being rapidly depleted due to growth of vegetation, silt, deposit, etc. their reclamation for revitalisa-

revitalisation is one of the main aspects of the development programme. To tackle this particular problem with manual labour as envisaged initially, proved to be ineffective in this State due to peculiar topographic and weather conditions besides high labour cost. The mechanical reclamation for dewatering and desilting is the only possible solution of this problem; but the non-availability of such mechanical equipments in this country and foreign exchange involved in getting them from abroad, stand on the way of expeditious and efficient development of ~~local~~ fisheries.

II OVERALL OUTLAY, TARGET AND STRATEGY OF DEVELOPMENT DURING THE ANNUAL PLAN 1972-73.

The main approach and strategy of fishery development for 1972-73 will be to increase the fish production by overcoming the problems pointed out as above and also by intensifying the existing productive and training Schemes. The information relating to production, programmes and outlays has been given in Annexures I & II and also in the Statement VI.

III. PROGRAMME OF FISHERIES DEVELOPMENT IN THE ANNUAL PLAN 1972-73.

This State is exclusively concerned with the Inland fisheries. The programmes for 1972-73 will briefly be as follows:-

(A) Inland Fisheries.

(i) Fish Seed Farming - The aim of the Scheme is to produce more quality fish seeds of major carps by induced breeding under local conditions and in air condition laboratory, collection of spawn from rivers etc. Breeding of exotic species like grass carps and silver carps is also envisaged. Proposed outlay for the year is Rs. 6.50 lakhs and the target is to produce 299 millions of spawn and 46 millions of fish

fish seed. Nursery areas proposed to be extended is about 76 Hectares by the end of the year.

(2) Development of Beel Fisheries - Assam

Having no brackish water areas, ^{there} seems to be no scope for preparing any Scheme under reclamation of Swamps. There is a provision for reclamation of derelict tanks. As such, Beel fisheries are considered to be main natural sources from which the bulk of the fish supply comes. This Scheme is, therefore, mainly to develop the beels which are in the way of converting into swamps and to regenerate them both for natural and artificial stocking with advanced fingerlings and yearling. It is proposed to develop 600 Hectars of beel fisheries with a proposed outlay of Rs. 7.00 lakhs.

(3) Assistance to pisciculturists - Under this Scheme fish seed will be supplied to the private pisciculturists at 50% ^{subsidised} ~~subdivisional~~ rates. It is also proposed to grant subsidy in cash for improvement of their tanks. Rs. 1.25 lakhs is proposed for the purpose during 1972-73.

(4) Development of Riverine Fisheries -

Work on experimental and exploratory fishing in the Brahmaputra is proposed to be continued in collaboration with I.C.A.R. The outlay proposed is Rs. 1.10 lakhs.

(B) Marine Fisheries - There is no marine fisheries in this State.

(C) Marketing, Processing and Storage -

Transport and storage facilities will be provided to the fishermen and fish traders. It is also proposed to implement this Scheme through Appex Fish Marketing Societies. A sum of Rs. 0.80 lakhs is proposed.

(D) Education and Training- 20 Nos of candidates are proposed to be trained in one year's course in the Fishery Training Institute, Joysagar. A training-cum-production

centre is proposed to be opened to train actual fishermen boys in improved fishing, fish seed trade, net and boat making, etc. Some officers will be sent for training in Bombay and Calcutta. The outlay proposed is Rs. 0.90 lakhs.

(E) Fisheries Cooperatives - Under this Scheme, it is proposed to grant subsidies in the form of improved nets, twine etc. and also in the form of cash for increased production of fish. A sum of Rs. 1.00 lakhs is proposed for 1972-73.

(F) Research - Research on fisheries problems will be continued in the State Research Unit at Joysagar. Programmes for field laboratory in each district will be expanded to deal with local problems. The outlay proposed is Rs. 0.85 lakh.

(G) Miscellaneous - The following Schemes are included under this head :-

(i) Applied Nutrition Programme -

The programmes taken up in the selected Blocks will continue as per approved plan. A outlay of Rs. 2.00 ^{lakh} is proposed.

(ii) Information Services - The existing Scheme will continue with an outlay of Rs. 0.70 lakhs.

(iii) Survey and Collection of Statistics :-

The existing Scheme will continue. A sum of Rs. 0.60 lakhs is proposed.

(iv) Supervision - This is for maintenance of existing and additional staff for supervision and implementation of the proposed plan Schemes. An outlay of Rs. 1.10 lakhs is proposed.

(v) Facilities to I.C.A.R. for investigation and collection of air breathing fish -

This Scheme was taken up in 1970-71 in collaboration ^{with} of I.C.A.R. and is proposed to continue.

A sum of Rs. 0.60 lakhs is proposed for 1972-73.

(vi) Facilities to J.C.A.R. for investigation of Riverine carps spawn prospecting and collection technique -

The Scheme taken up in 1970-71 will be continued. The outlay proposed is Rs. 0.60 lakhs.

The Schemewise details are furnished in Statement III.

M. Chowfique,
8/10/71.

(Rs. in lakhs)

Sl. No.	Head/Sub-head/Scheme.	Fourth Plan outlay (1969-74)			Actual expenditure		1971 - 72		1972- 73		
		Total	Capital	Foreign exchange.	1969-70	1970-71	Approved Outlay	Anticipated expenditure.	Proposed Outlay		
		3	4	5	6	7	8	9	10	11	12
1-II-Fisheries.											
1	Fish Seed Farming	29.09	15.00	-	3.91	5.68	6.00	6.00	6.50	3.75	-
2	Development of Beel Fisheries.	25.57	15.00	6.00	2.15	2.67	6.75	6.75	7.00	4.00	2.50
3	Assistance to Coop. Societies.	4.25	2.40	-	-	1.25	1.00	1.00	1.00	-	-
4	Assistance to Pisciculturists	5.62	-	-	0.42	1.50	1.20	1.20	1.25	-	-
5	Development of Riverine Fisheries.	4.55	2.60	-	0.65	0.55	1.00	1.00	1.10	0.75	-
6	Applied Nutrition programme.	7.91	-	-	0.77	0.84	1.75	1.75	2.00	-	-
7	Marketing & Transport of Fish.	3.31	-	-	0.57	0.19	0.75	0.75	0.80	-	-
8	Training in Fisheries	3.50	-	-	0.47	0.33	0.80	0.80	0.90	-	-
9	Applied Research.	3.04	-	-	0.39	0.10	0.80	0.80	0.85	-	-
10	Survey & collection of statistics.	2.00	-	-	0.14	0.01	0.60	0.60	0.60	-	-
11	Fishery Information Services.	3.13	-	-	0.46	0.52	0.65	0.65	0.70	-	-
12	Supervision	4.35	-	-	0.54	0.51	1.00	1.00	1.10	-	-
13	Facilities to ICAR for investigation and culture of Air breathing fish.	1.80	-	-	-	-	0.50	0.50	0.60	-	-
14	Facilities to ICAR for investigation on Riverine carp spawn prospecting & collection technique.	1.88	-	-	-	0.06	0.50	0.50	0.60	-	-
Total:		Rs. 100.00	35.00	6.00	10.47	14.21	23.30	23.30	25.00	8.50	2.50

DRAFT ANNUAL PLAN 1972-73
Physical targets and Achievements

STATEMENT-VI (General Areas).

Sl. No.	Unit	Achievement	Fourth	1969-70	1970-71	1971-72		1972-73	
		1968-69.	plan target. 1969-74.	Achievement.	Achievement.	Target	Anticipated Achievement.	Proposed Target	
1	2	3	4	5	6	7	8	9	10
1.	Machanisation of boats.	no	2	2	2	2	2	2	2
2.	Cold storage for stocking fish.	Nos.	1	2	1	1	2	2	2
3.	Co-Operative marketing.	quantity	5000	5000	5000	5000	5000	5000	5000
		MT.							
4.	Fingerlings distributed.	(in lakhs)	48	440	28	37	190	190	322
5.	No of fish seed farms established.	Nos.	20	55	20	35	40	40	50
6.	Fish production								
	1) Inland.	Thousand tonnes.	23.50	25.66	23.40	23.80	24.20	24.20	24.60

STATE: ASSAM.

ANNUAL PLAN 1972-73 FISHERIES.
PHYSICAL TARGETS AND ACHIEVEMENTS.

ANNEXURE-I.

(General Areas).

Sl. No.	Item.	Unit	1968-69	1969-70	1970-71	1971-72		1972-73	Fourth Plan
				Achievement.	Achievement.	Target	Achievement.	Target.	targets.
1	2	3	4	5	6	7	8	9	10
	<u>Physical Programme.</u>								
1.	Production of Spawn	No. in million.	75.5	77.2	92.40	199.3	199.3	299.0	397.00
2.	Production of Fry.	"							
3.	Production of Fingerlings.	"	6.1	4.0	5.3	27.0	27.0	46.0	63.0
4.	Nursery Area.	Hectares							
5.	Rearing Area	"	9.0	19.0	24.3	57.0	57.0	76.0	92.5
6.	Development of reservoir area.	"	-	-	-	-	-	-	-
7.	Reclamation of pond and derelict tanks.	"	577	665	1145	1545	1545	2145	8175
8.	Brackish water fish farming area.	"	-	-	-	-	-	-	-
9.	Mechanized boats complete.	number	2	2	2	2	2	2	2
10.	Marine Engines only	"	-	-	-	-	-	-	-
11.	Outboard motors only	"	-	-	-	-	-	-	-
12.	Hulls only	"	-	-	-	-	-	-	-
13.	Trawlrs procured.	"	-	-	-	-	-	-	-
14.	Fishing harbours minor	"	-	-	-	-	-	-	-

	1	2	3	4	5	6	7	8	9	10	
15. Refrigeration:-											
i) ice factories.	number		2		2		2		2		2
ii) ice capacity.	Tonnes		1		1		1		1		1
iii) Cold Storage.	Number		1		1		1		1		1
iv) Cold storage (capacity)	Tonnes		3		3		3		3		3
v) Freezing plants.	Number		-		-		-		-		-
16. Marketing of fish through cooperatives											
a) Quantity.	Tonnes		5000		5000		5000		5000		5000
b) Value.	Rs. (lakhs)		40 200		40 200		40 200		250 250		250 250
17. Loans advanced to fishermen's cooperatives.											
	Rs. in lakhs		-		-		-		-		-
18. Houses for fishermen											
	Number.		-		-		-		-		-
<u>II. Fish Production.</u>											
a) Inland.	Thousand tonnes.		23.50		23.40		23.80		24.40		24.40
b) Marine	Thousand tonnes.		-		-		-		-		-

M. Towfique,
7/10/71

STATE: ASSAM

FISHERIES. - 138 -

ANNEXURE-II

(General Areas)

ANNUAL PLAN 1972-73
PROGRAMME WISE FINANCIAL OUTLAY

(Rs. in lakhs).

Sl. No.	Programme	Fourth Plan Outlay	1969-70 actual expdt.	1970-71 actual.	1971 - 72		1972 - 73	
					appd. outlay	Anticipated expenditure.	Total Proposed outlay.	Capital
1	2	3	4	5	6	7	8	9
1.	Inalnd Fisheries	64.83	7.13	10.40	14.95	14.95	15.85	8.50
2.	Marine Fisheries.	-	-	-	-	-	-	-
3.	Marketing,procesing & Storage.	3.31	0.57	0.19	0.75	0.75	0.80	-
4.	Education and Training.	3.50	0.47	0.33	0.80	0.80	0.90	-
5.	Fisheries Co-operatives.	4.25	-	1.25	1.00	1.00	1.00	-
6.	Research.	21.07	1.91	1.94	5.00	5.00	5.60	-
7.	Miscellaneous.							
Total Fisheries:		100.00	10.47	14.21	23.30	23.30	25.00	8.50

M. Towfique,
7/10/71.

Draft Annual Plan - 1972-73

State - Assam I-12 WAREHOUSING, STORAGE & MARKETING.

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 stood at Rs. 46.00 lakhs at the end of 1969-70 viz. Rs. 23.00 lakhs subscribed by the central Warehousing Corporation and Rs. 23.00 lakhs by the Govt. of Assam.

2. Upto the end of 1970-71, the Corporation had 24 Warehouses of which 9 Warehouses were in constructed godowns with a total storage capacity of 15530 M/Tonnes and the remaining 15 Warehouses in hired godowns with an total storage capacity of 13792 M/Tonnes. During 1970-71 preliminary steps were taken to construct two Warehouses.

3. During 1971-72, the Corporation has already taken necessary steps to construct two Godowns in addition to two Warehouses taken up in 1970-71. A plot of land measuring 10 bighas has also been purchased at Gauhati for construction of a Tea Warehouse there. As this is not included in the Fourth Plan, the Corporation is negotiating with the State Govt. as well as with the Central Warehousing Corporation for additional finances.

4. It is proposed to allocate Rs. 9.00 lakhs during 1972-73 under the State Plan. With the equal matching contribution from the Central Warehousing Corporation, it is contemplated to utilise these sums for completion of the Warehouses taken up in 1971-72 but not completed within that year. Two additional units of Tea Warehouses are also expected to be constructed at Gauhati. Construction of another Warehouse at Silapather is also contemplated to be taken up in 1972-73. If funds permit, the Corpora-

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corporation may take up construction works of two or more
Warehouses, in addition to the above.

State: Assam

Plan Outlays and Expenditure - Schemewise.

(Rs. lakhs)

Head/Sub-head/ Scheme.	Fourth Plan Outlay(1969-74)		Actual Expenditure.		1971 - 72		1972-73			
	Total	Capital	Foreign	Exchange.	1969-70	1970-71	Appro- ved Out- lay	Antici- pated expendi- ture	(Proposed Outlay) Total Capi- Foreign tal exchange	
	3	4	5	6	7	8	9	10	11	12
<u>12. Warehousing</u>										
Warehousing	20.00	20.00	-	-	4.00	3.75	3.75	9.00	9.00	-

DRAFT ANNUAL PLAN 1972-73
II-1. COOPERATION

Introduction

An important aspect in relation to the advancement of Co-operative movement in Assam till the end of 1968-69 is its numerical growth in different spheres with Government's liberal help in finance and administrative aid.

The nature of deficiencies associated with rapid expansion, still afflicts the movement.

In order to strengthen the movement ensuring qualitative growth, the emphasis continues to be on re-organisation and consolidation.

The progress during the first two years in relation to the Fourth Plan targets is not very encouraging. The halting growth is mainly due to managerial and organisational weakness.

I. Review of the Co-operative Development plan during 1968-70, 1970-71 and 1971-72

The programme-wise expenditure in 1968-70, 1970-71 was as under:-

	<u>Expenditure (Actuals)</u>	
	<u>1968-70</u>	<u>1970-71</u>
1) CREDIT -	5.89	25.86
2) MARKETING -	3.51	6.03
3) PROCESSING OTHER THAN SUGAR	1.75	15.53
4) SUGAR FACTORIES -	-	2.04
5) FARMING -	0.25	1.20
6) CONSUMERS -	2.34	5.15
7) STORAGE -	1.50	3.96
8) ADMINISTRATION -	1.14	2.00

	<u>Expenditure (Actuals)</u>	
	<u>1969-70</u>	<u>1970-71</u>
9) TRAINING & EDUCATION	4.44	2.87
10) OTHERS	0.27	0.32
	<u>Total</u>	<u>21.09</u>
		<u>64.96</u>

Against the revised allocation of Rs. 68.00 lakhs expenditure was Rs. 64.96 lakhs in 1970-71 as against Rs. 21.09 lakhs in 1969-70. The outlay for 1971-72 is Rs. 64.40 lakhs and it is expected that the entire amount will be utilised.

Total of the first three years' plan outlays amounts to Rs. 177.40 lakhs and this formed 51.55 per cent of the Fourth Plan ceiling of Rs. 344 lakhs. Percentage of annual plan outlay for 1969-70, 1970-71 and 1971-72 related to plan ceiling is 13.07, 19.76 and 18.72 respectively.

CREDIT

The heavy overdues have been *impeding* the expansion of rural credit. Concerted attempts to bring down the level of overdues, by measures both coercive and persuasive, are showing results.

The re-organisation programme is almost complete. There has been increase in Share capital and deposits, although achievement in credit disbursement was short of the target. The quantum of loan advanced was Rs. 177 lakhs as against the target of Rs. 250 lakhs in 1969-70. In 1970-71 loan advanced was of the order of Rs. 254 lakhs, as against the target of Rs. 330 lakhs. In 1971-72 credit disbursement is likely to be of the order of Rs. 400 lakhs as a result of various measures taken to complete the re-organisation of primary credit societies. Coverage of agricultural families either by membership or by provision of credit did not improve. Crop loan system remained to be implemented effectively. Members, by and large, did not take to improved

methods of cultivation. Average membership per society rose to 117 from 102. Average share capital per society rose to Rs.3,153 from Rs.2,203 and that in respect of deposits rose to Rs.1,663 from Rs.1,116.

MARKETING

The progress in the sphere of Co-operative Marketing has been uneven. The aspects like coverage of agricultural families by marketing co-operatives, increase in membership and members' share capital did not show any upward trend. With the curtailment of operational field of marketing co-operative following coming of the Food Corporation of India into the field of paddy procurement, marketing co-operatives lost ground. Consequently, the volume of business of marketing co-operatives shrunk, although in certain areas a number of co-operatives gave good performance. 17 societies' volume of business in agricultural produce was of the order of Rs. 16 lakhs to Rs. 17 lakhs each. One society handled goods of the order of Rs. 59 lakhs while another did business to the extent of Rs. 32 lakhs. Another 49 societies' business was below Rs. 15 lakhs.

In the Khariff year 1970-71, Primary Marketing Co-operatives have procured 31.50 thousand metric tonnes of paddy till July, 1971 against the target of 51.50 thousand metric tonnes in one district where Apex Marketing Society is the sole licensee for procurement under the scheme of monopoly procurement.

The average member's share capital per society rose to Rs.8,700 from Rs. 8,400. The average membership per society stood at 20 societies and 184 individuals. There has not been improvement over the position as it was in 1968-69.

Most of the societies remained satisfied with their only activity of paddy procurement. Interest in diversifying their functions was wanting.

The link between primary agricultural credit societies and marketing cooperatives could not be established. Finance for paddy procurement is provided by Apex Marketing society and not by central banks. So no organic relationship between them could develop.

PROCESSING

Financial assistance was provided for setting up one fruit and vegetable processing unit, one modern rice mill, 3 oil seeds processing units as well as for modernisation of 8 rice mills.

OTHER COOPERATIVES

Under the programme of consumer co-operatives, 8 wholesale stores and 64 primary stores operated. The wholesale stores with 22 branches dealt in consumer commodities worth Rs. 166 lakhs. Value of business of Primary stores amounted to Rs. 303 crores in 1970-71. Out of 8837 fair price shops in the state, 549 of them are co-operatives.

Factual data about achievements made under various co-operative programmes is given in Annexure I.

II. OVERALL, OUTLAY, TARGETS AND STRATEGY OF DEVELOPMENT FOR THE ANNUAL PLAN 1972-73

In order to make the co-operative structure equal to the role it is expected to play providing agricultural credit keeping 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 and flow of rural credit assured and operations of the co-operatives stepped up.

To realise the objectives, the strategy shall be the following:-

- (a) Effective implementation of crop loan system,
- (b) Linking of credit with marketing,
- (c) Strengthening of Central Banks, primary credit societies and marketing societies removing weaknesses relating to organisation, operation and finance.
- (d) Recovery of overdues.
- (e) Toning up of managerial efficiency at all levels of the structure.

The estimated financial requirement for the implementation of Annual Plan 1972-73 is Rs. 88.0 lakhs which constitute 25.58 percent of the total Fourth plan outlay of Rs. 344 lakhs. During 1972-73, the major emphasis has been on credit for strengthening the base of the credit structure.

The financial outlays in respect of co-operative programmes have been indicated in Annexure II.

III. PROGRAMMES OF COOPERATIVE DEVELOPMENT IN THE ANNUAL PLAN 1972-73

COOPERATIVE AGRICULTURAL CREDIT

Agricultural credit societies now cover 80% of the villages. The flow of credit has been showing an upward trend, although the rate of growth is slow.

Under the re-organisation programme the number of credit societies is to be reduced to 2815. The re-organisation programme is expected to be completed by December, 1971. There are 50 societies which are yet to be amalgamated. To ensure qualitative growth various measures have been taken. The loaning policies and procedures are being oriented to serve growers in larger number effectively. Cultivators will be encouraged to take to improved method of cultivation. The crop loan system will be implemented to ensure larger flow of funds to cultivators.

A broad scale of finance has been laid down. To improve the working and performance of co-operatives, strengthening their financial position liberal assistance would be provided. The accumulation of overdues resulting from floods and draught amongst other varied reasons is the main problem. Determined efforts would be made to bring down overdues. Coercive and persuasive measures would continue to be followed. The target of recovery by each Central Bank would be fixed and Departmental staff would supplement the efforts of Central Banks.

A survey to assess the credit position of every borrower is being undertaken in consultation with Reserve Bank of India. On completion of the survey, the irrecoverable amounts would be written off and that portion of the overdues which resulted from flood and draught would be converted to medium term loan.

To raise the level of efficiency of management and staff of central banks, requisite financial help besides administrative aid would be provided.

To strengthen the resources of viable and potentially viable societies government participation in share capital of a number of societies is proposed, besides contribution to bad debt reserves. Moreover for State partnership in the share capital of Central Banks, a provision of Rs. 9 lakhs has been proposed.

In the field of long term finance, loaning operation of the Land Mortgage Bank is yet to expand. Loaning policies and procedures will be re-oriented and the administrative and supervisory machinery will be strengthened. Steps would be taken to enable the Central Land Mortgage Bank to avail of the institutional support.

A scheme on Arecanut approved by the Agricultural Refinance Corporation would be implemented.

Provision for share capital contribution and managerial subsidy to strengthen the organisation has been proposed.

To implement the credit programme effectively a total provision of Rs. 37.69 lakhs is necessary. This works out 42.8% of the total estimated requirement of Rs. 88 lakhs for Annual Plan 1972-73.

COOPERATIVE MARKETING

Diversification of functions of marketing co-operatives would be ensured. Linking of credit with marketing will be tried in selected areas. Survey for identification of viable unit undertaken would be completed and programme to step up their operations drawn up will be implemented. The schemes of grading and pooling and outright purchase would receive special attention.

COOPERATIVE PROCESSING OTHER THAN SUGAR FACTO- RIES

In the processing sector, there is no new programme to setting up new processing units, except that of a jute mill. The existing units are proposed to be strengthened. Rice Mills have not been able to utilise the full capacity for inadequate allotment of paddy. The existing jute mill which went into operation in January, 1971 has utilised 25% capacity till June, 1971.

COOPERATIVE SUGAR FACTORIES

Membership of the existing sugar mill is 8689. Members share capital is Rs. 21.00 lakhs as against Govt's share capital of Rs. 38.35 lakhs. In 1969-70 and 1970-71 the quantity of cane crushed was 12.09 lakhs quintals and 9.21 lakhs quintals respectively. Recovery percentage was 8.53 in 1969-70 and 8.15 in 1970-71.

The Distillery unit went into operation in June, 1969.

The country spirit produced till April, 1970 was 6.50 lakhs LPL. Profits earned in selling 5.10 lakhs LPL was Rs. 2.15 lakhs.

URBAN CONSUMER
COOPERATIVES

Percentage of urban population covered by primary consumer co-operatives rose to 30.4% from 26.3% as was in 1968-69. Profit earned by primary stores was Rs. 4.30 lakhs in 1969-70 as against Rs. 4.79 lakhs in 1968-69. All urban areas have been covered by consumer co-operatives.

Requisite financial provision has been proposed for 1972-73 for consolidation and strengthening of the existing consumer co-operatives.

COOPERATIVE FARMING

The progress of farming programme is halting. The programme of 1972-73 is consolidation. 15 societies are proposed to be assisted to strengthen their position.

COOPERATIVE AGRICUL-
TURAL SUPPLIES

Co-operative did not come forward to take up activities in the field. So, implementation of this scheme in 1972-73 is not proposed.

COOPERATIVE STORAGE

In 1969-70, financial assistance for construction of 5 marketing godowns was provided. In 1970-71, 10 marketing societies and 8 primary agricultural societies were assisted for construction of godowns. In 1971-72, 5 marketing societies and 10 primary credit societies will be provided with financial assistance for the purpose. In 1972-73, 5 marketing societies and 12 primary credit societies are proposed to be assisted.

Till 1970-71, out of 147 marketing godowns 130 were constructed and of 237 rural godowns, 206 were constructed.

COOPERATIVE DISTRIBUTION OF
CONSUMERS ARTICLES IN
RURAL AREAS

Till 1968-69, 25 societies received Govt. share capital contribution. In 1969-70 and 1970-71, 8 and 7 marketing societies respectively were assisted with state partnership in their share capital. In 1971-72, 3 more societies will likewise be helped. The programme of 1972-73 is to render financial help to another 3 societies.

COOPERATIVE
TRAINING AND
EDUCATION

The State Co-operative Union continued to implement the member Education programme with its 22 peripatetic units. In 1971-72, 1006 secretaries/Manager, 362 prospective members, 1926 managing committee members and 2674 prospective leaders were trained.

During the year 1971-72, the Union is expected ¹⁵ train ~~12~~ 1760 secretaries/manager and 3696 managing committee members. The programme of 1972-73 is to train 2056 secretaries, 3500 managing committee members and prospective leaders.

The total financial provision required to be made is estimated at 7.15 lakhs of which 4.25 lakhs is proposed under plan.

A total financial outlay of Rs. 88.00 lakhs is proposed for 1972-73 as per statement III and Annexure III.

Centrally sponsored schemes
Draft Annual Plan 1972-73 - Schemeswise Outlay & expenditure. Statement-VII

STATE - ASSAM

Sl. No.	Name of the Scheme	4th Plan Outlay 1969-74	Actual expenditure		1971-72			1972-73	
			1969-70	1970-71	Outlay	Anticipated expenditure	Proposed Outlay	Capital	
1	2	3	4	5	6	7	8	9	
1.	Agricultural Credit Stabilisation Fund.	Not indicated	1.50	3.00	3.00	7.00	30.00	-	

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Draft Annual Plan 1972-73
 Centrally sponsored Schemes
 Schemewise Physical targets & Achievements.

Statement-VIII.

STATE - ASSAM

Sl. No.	Name of the Scheme	Unit	4th Plan		Achievements.		1971-72		1972-73
			targets	1969-74	1969-70	1970-71	Proposed	Anticipated	Proposed
1	2	3	4	5	6	7	8	9	
1.	Agricultural Credit Stabilisation Fund.	No.	1	1			to continue		

Annual Plan 1972-73 Co-operation
Physical Targets & Achievements.

Sl. No.	Item	Unit	1968-69	1969-70	1970-71	1971-72	1972-73		
						Target	Actual Achievement	Proposed	Fourth Plan
1	2	3	4	5	6	7	8	9	10
1.	No. of Primary Agricultural Credit societies at the end of the year.	Number	3642	2800	2800	2800	2800	2800	2800
2.	No. of Primary agricultural Credit Societies revitalised by amalgamation/reorganisation	Number	111	270	450	600	600	750	780
3.	Membership of primary agricultural credit societies at the end of the year.	Thousand	381	3.83	N.A.	100	100	100 132	432 432
4.	Coverage of Agricultural families at the end of the year.	Percent	27.80	27.80	-	7.3	7.3	7.3	31.7
5.	Loans advanced during the year:								
	i) Short-term	Rs. Million	28.1	17.4	24.4	9.4	40.00	4000	195.00
	ii) Medium		0.5	0.2	1.0	1.5	-	1.5	13.03
6.	Long term loan advanced during the year.	-do-	0.5	1.0	1.02	2.00	2.00	3.00	11.00

Contd....2.

1 0 2 3 4 5 6 7 8 9 10

7.	Deventures issued by land development banks during the year:									
	i) Ordinary debentures	Nil	Nil	1.0	1.0	2.0	2.00	2.5	10.00	
	ii) Rural debentures		Nil	-	-	-	-	-	-	
8.	Agricultural produce handled by Coop: during the year.	-10-	96.2	45.7	45.0	60.0	-	60.0	250	
9.	Cooperative Processing number units:									
	i) Assisted									
	a) During the year	No.	-	-	1	-	-	2	6	
	b) upto the end of the year	No.	31	31	31	-	-	33	6	
	ii) Installed									
	a) During the year	No.	-	-	-	-	-	-	-	
	b) upto the end of the year	No.	31	31	31	-	-	33	6	
10.	Fertilisers r tailed by cooperatives during the year.	Rs. Million	-	-	-	-	-	-	-	
	i) Quantity in terms of material (metric tonnes)		-	-	-	-	-	-	-	
	ii) Values		-	-	-	-	-	-	-	
	iii) No. of cooperative retail fertiliser depots at the end of									
11.	Operating galowns	Number	-	-	-	-	-	-	-	
	i) Assisted									
	a) During the year	Nil	5	10	3	3	5	30		
	b) upto the end of the year	146	151	161	164	164	169	176		

1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0 10

ii) Constructed	10	9	Nil	15	5	10	36
i) during the year	10	9	Nil	15	5	10	36
ii) upto the end of the year	140	149	149	164	154	164	176
iii) Capacity of marketing godowns constructed	Thousa-nd tonnes						
a) during the year	2	2	-	3	1	2	2
b) upto the end of the year	27	29	29	32	30	32	34
■ Number of rural godowns constructed							
Number							
i) Assisted							
a) during the year	Nil	Nil	8	10	10	12	70
b) upto the end of the year	267	267	275	285	285	297	337
ii) Constructed							
a) during the year	14	8	1	68	68	22	139
b) upto the end of the year	198	206	207	275	275	297	337
iii) Capacity of rural godowns constructed							
Thousa-nd tonnes							
a) during the year.	-	-	-	2	2	1	6
b) Upto the end of the year	6	7	7	9	9	10	12
■ i) Distribution of consumer articles in rural areas during the year							
No. of articles in rural areas during the year							
ii) Number of societies undertaking distribution of consumer articles in rural areas	16104	17711	18000	20000	20000	22000	93815
a) Marketing societies	78	61	70	70	70	90	95
b) Marketing societies	284	261	280	290	290	300	310
■ Retail sales of urban consumer cooperatives during the year							
No. of articles in rural areas during the year							
	26184	15442	17000	18000	18000	20000	96626

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Annual Plan 1972-73 (Cooperation)
Programme-wise Financial Outlays

Annexure-II.
(General Areas)

Sl. No.	Programme	Fourth	1969-70	1970-71	1971-72	1972-73		
		Plan	Actuals	Actuals	Appr. Proposed	Anti. Exp.	Proposed by the State	
		Outlay			Out-		Total	Capital
		1969-74			lay			
1	2	3	4	5	6	7	8	9
1.	Cooperative Agricultural credit	34.74	5.89	25.86	28.10	28.10	37.69	14.50
2.	Cooperative Marketing	30.65	3.51	6.03	7.52	7.52	7.37	5.15
3.	Cooperative processing other than Sugar factories	59.00	1.75	15.53	7.00	7.00	13.50	13.00
4.	Cooperative Sugar factories.	16.00	-	2.04	8.00	8.00	7.00	7.00
5.	Cooperative Agricultural supplies	-	-	-	-	-	-	-
6.	Cooperative Storage	16.00	1.50	3.96	2.10	2.10	2.94	2.265
7.	Cooperative Distribution of consumer articles in rural areas	16.00	1.155	0.36	0.36	0.36	0.36	0.36
8.	Urban Consumer Cooperatives	20.00	1.185	4.79	3.72	3.72	6.64	5.27
9.	Cooperative Farming	11.00	0.25	1.20	1.00	1.00	3.50	2.865
10.	Other types of Cooperatives	8.37	0.27	0.32	0.20	0.10	1.25	0.95
11.	Cooperative training and education	19.96	4.44	2.87	3.50	3.50	4.25	-
12.	Adml. Deptt. Staff	15.28	1.44	2.00	3.00	3.00	3.50	-
Total :-		344.00	21.09	64.98	64.40	64.40	88.00	51.36
				64.96	64.40			

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Annual Plan 1972-73 (Cooperation)
Scheme-Wise Outlays

(N.B. Schemes may be arranged under two groups namely: (i) Schemes operated by N.C.D.C. (ii) Schemes operated by Department of Cooperation.)

Sl. No.	Title of the Schemes	Fourth Plan Outlay 1969-74	1969-70 Actual	1970-71 Actual	1971-72 App. Outlay	Anti. Exp.	1972-73 Total	proposed Capital
1	2	3	4	5	6	7	8	9
<u>Schemes falling under the purview of N.C.D.C.</u>								
1.	Credit	14.874	5.89	25.86	28.10	28.10	37.69	14.50
2.	Marketing	30.85	3.51	6.03	7.52	7.52	7.37	5.15
3.	Processing other than sugar	59.00	1.75	15.53	7.00	7.00	13.50	13.00
4.	Sugar factories	16.00	-	2.04	8.00	8.00	7.00	7.00
5.	Cooperative storage	16.00	1.50	3.96	2.10	2.10	2.94	2.265
6.	Administration	15.28	1.14	2.00	3.00	3.00	3.50	-
7.	Others	8.37	0.27	0.32	0.10	0.10	1.25	0.95
8.	Consumers Coop: (Rural Scheme)	6.00	1.155	0.91	0.36	0.36	0.36	0.30
Total:-		293.04	15.215	56.65	56.18	56.18	73.61	43.165
<u>Schemes falling under the Ministry of F.A.C.D.& Coop:</u>								
1.	Training & Education	19.96	4.44	2.87	3.50	3.50	4.25	-
2.	Coop: Farming	11.00	0.25	1.20	1.00	1.00	3.50	2.865
3.	Consumers Coop: (Urban)	20.00	1.185	4.24	3.72	3.72	6.64	5.33
Grand Total:-		50.96	5.875	8.31	8.22	8.22	14.39	8.195
Grand Total:-		344.00	21.09	64.96	64.40	64.40	88.00	51.36

DRAFT ANNUAL PLAN- 1972-73.

STATE - ASSAM

(General Areas).

II-2. COMMUNITY DEVELOPMENT.

(II) The revised 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 are shown below :-

	<u>Allocation.</u>	(Rs. in lakhs). <u>Expenditure.</u>
1969-70-	60.00	54.54
1970-71-	41.00 (revised)	37.74
1971-72-	46.70	46.70 (Anticipated).

In the General Areas, there are in all 121 Blocks covering the entire rural areas of the State, out of which there will be 48 Stage II Blocks and 73 Post-Stage II Blocks in 1972-73. The C.D. programme is carried out on the basis of a Schematic pattern and a prescribed budget for each of the Blocks. This is, however, subject to modification according to local needs. The programme embraces all aspects of development in rural Community life. The emphasis is on agriculture which is mainstay of the people, but other aspects such as health and sanitation, education, Social education, communication, arts and crafts, and housing also occupy an important place in the programme. As usual, the C.D. allocations with certain exceptions, are given to the Anchalik Panchayats as grants-in-aid for formulation and implementation of various schemes. During 1970-71, the physical achievements recorded under the various important items are given below :-

<u>Sl. NO.</u>	<u>Item</u>	<u>Unit.</u>	<u>Achievement in 1970-71</u>
1.	Improved Seeds distributed.	Quintals.	49056
2.	Chemical Fertilizers "	"	50878
3.	Improved implements "	Nos.	2471

<u>Sl.NO.</u>	<u>Item.</u>	<u>Unit.</u>	<u>Achievement in</u> <u>1970-71</u>
4.	Chemical Pesticides distributed	KGs.	<u>156861</u>
5.	Compost Pits dug "	Nos.	1512
6.	Animals Supplied.	Nos.	1572
7.	Birds. "	Nos.	5936
8.	Drinking water Wells Constructed	Nos.	564
9.	Drinking water wells renovated	Nos.	830
10.	New Kachha roads constructed	KMs.	482
11.	Existing kachha roads improved.	KMs.	1452
12.	Culverts constructed.	Nos.	714

Factual data in respect of Blocks is given in Annexure I.

(II). All the items of development as per Schematic pattern will be continued during 1972-73 on a more intensive scale. The information relating to outlays and expenditure under different programmes has been shown in Annexure II.

As usual, the centrally sponsored schemes including Applied Nutrition Programme will continue in 1972-73. The requisite particulars are given in Statements VII and VIII.

III). A total financial outlay of Rs. 48.00 lakhs is proposed for C.D. Programmes in the General Areas of the State during 1972-73. The required information is given in Statement III.

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E. Khan

DRAFT ANNUAL PLAN 1972-73

Statement-III(General Areas)

State- Assam

Plan outlays and Expenditure-Schemewise.

(Rs. in lakhs)

Sl. No.	Head/Sub-head/ Scheme.	Fourth Plan Outlay(1969-74)		1969-70	1970-71	1971-72	1972-73				
		Total.	Capital. Foreign exchange.	Actual.	Expendi- ture.	Approv- ed out- lay.	Antici- pated Expdr.	(Proposed outlay) Total. Capi Foreign tal. gn ex- change			
1.	2	3	4	5	6	7	8	9	10	11	12

II.-2.COMMUNITY DEVELOPMENT.

C.D. Schemes.	215.00	37.97	-	54.54	37.74	46.70	46.70	48.00	10.37	-
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Centrally
GENERALLY SPONSORED SCHEMES.

STATEMENT.VII

STATE-ASSAM

Draft Annual Plan 1972-73-Schemewise outlay and Expenditure.

(Rs. in lakhs).

SL. Name of the Scheme. NO.	Fourth Plan outlay (1969- 1974).	Actual Expenditure. 1969- 70.	1970-71	1971-72. Outlay Antici- pated Expdr.	1972-73 Proposed. outlay.	Capital.		
<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>COMMUNITY DEVELOPMENT.</u>								
1. Applied Nutrition Programme	42.00	6.80	6.80	10.54	10.54	9.18	--	
2. Pilot Research Project in Growth Centre.....	-	-	0.43	1.10	1.10	1.10	-	
3. T.D. Blocks Schemes..	-	11.41	9.88	8.00	8.00	8.00	-	
4. Crash Nutrition Feeding Programme.....	-	-	6.63	31.91	31.91	31.91	-	

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DRAFT ANNUAL PLAN-1972-73.

STATEMENT.VIII

STATE-ASSAM.

Centrally Sponsored Schemes.
Schemewise Physical Targets and Achievements.

SL. NO.	Name of the Scheme.	Unit.	Fourth Plan Targets (1969-74)	Achievements		1971-72		1972-73
				1969-70	1970-71	Proposed.	Anticipated Achievement	Proposed.
1	2	3	4	5	6	7	8	9
<u>COMMUNITY DEVELOPMENT.</u>								
1.	Applied Nutrition Programme.	Block	40 Nos.	28 Nos.	23 Nos.	32 Nos.	27 Nos.	34 Nos.
2.	Pilot Research Project Growth Centre.....	Centre	(Continuing Scheme during the 4th Plan period).					
3.	T.D. Block Schemes...	Blocks.	--	7	7	-	-	-
4.	Crash Nutrition Feeding Programme.....	No. of beneficiary.-	-	57000 (Children)	66000 (Children)	66000 (Children)	66000 (Children)	Under review.

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ANNEXURE-I.

Annual Plan-1972-73.

Community Development and Panchayati Raj.

Physical Targets and Achievements.

	1968-69	1969-70	1970-71	1971-72 Antici- pated.	1972-73 Target.	1973-74 Target.
	1	2	3	4	5	6
(a) <u>COMMUNITY DEVELOPMENT.</u>						
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
	120	121	121	121	121	121

(b) APPLIED NUTRITION PROGRAMME.

No. of Blocks covered.	19	22	23	27	34	40 Nos.
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ANNEXURE. II.

ANNUAL PLAN - 1972-73.

Community Development & Panchayati Raj.
Outlays and Expenditure.

Programme/Item.	Fourth Plan outlay.	1969-70 Expendi- ture.	1970-71 Outlay	Expendi- ture.	1971-72 Outlay	Anticipated Expenditure.	1972-73 Total.	Proposed. Capital.	
	1	2	3	4	5	6	7	8	9
(a) <u>Community Development.</u>									
1. Staff.		13.08	12.60	12.60	11.00	11.00	8.16		
2. Programmes.		36.46	23.40	20.14	29.95	29.95	33.09		
(c) <u>Applied Nutrition.</u>									
1. Horticulture.		0.52	0.52	0.52	0.60	0.60	0.70		
2. Poultry.		3.80	3.80	3.80	4.37	4.37	5.13		
3. Pisciculture.		0.68	0.68	0.68	0.78	0.78	0.92		
Total:-		215.00	54.54	41.00	37.74	46.70	46.70	48.00	10.37

DRAFT ANNUAL PLAN - 1972-73

State- Assam. II-3. PANCHAYATS.

(General Areas)

I. The Fourth Plan (1969-74) outlay for 'Panchayats' is Rs. 60.00 lakhs. The plan allocations and expenditure during the first three years of the Fourth Plan are shown below :

	<u>Allocation</u>		<u>Expenditure.</u>
1969-70 -	8.00	-	4.81
1970-71 -	6.50 (revised)	-	5.09
1971-72 -	11.20	-	11.20(Anticipated).

(Rs. in lakhs)

With the enactment of Assam Panchayat Act 1959, 18 Mohkuma Parishads, 121 Anchalik Panchayats and 2,602 Gaon Panchayats have started functioning covering the entire plains districts of Assam.

A brief review of 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 hats etc. The scheme has been continuing since " Third Five Year Plan."

(2) Grants to Gaon Panchayat Office buildings :

This is necessary for giving financial assistance to some G.Ps. for constructions of their office buildings-cum-godowns.

(3) Sonmelons :

Block Level Sonmelons for official and non-official members of the Panchayats are proposed to be organised from 1972-73 for exchange of views and solution of outstanding problems to execute the schemes more effectively.

(4) Composite Programme for Women and Pre-school Children.

The main object of the scheme is to expand Nutrition education in rural areas (outside Applied Nutrition Programme) through a programme of Cooking demonstrations based on locally available food staff etc. and to encourage the economic activities by granting incentive awards to Mahila Mandals etc.

(5) Training of Panchayat Secretaries:

Two Training Centres of G.P. Secretaries have been functioning for imparting instructions on Administrative Organisation, maintenance of accounts, budgeting, etc. since 1969-70, 542 officials have been trained in these Training Centres.

(6) Publication of literature :

The Scheme has been taken up for production of literature such as booklets, Pamphlets etc. concerning to Panchayati Raj in regional language.

(7) Up-grading of Panchayat Secretaries :

The scheme has been taken up for strengthening the cadre of Panchayat Secretaries.

(8) Panchayati Raj Training Institutions :

Three Training Centres have been functioning for imparting training to non-official members of the Panchayats. 6054 non-officials have been trained for the period from 1969-70 to 1971-72.

(9) Study Tours for Non-Officials :

The scheme has been taken up for organising tours of the non-official members of the Panchayats within the State and also outside the State, to have first-hand knowledge about Panchayats activities.

(10) Loans to gramdan areas :

The scheme has been taken up for the development of the Gramdan Areas.

..... 3

(11) Panchayati Adalats:

It has been considered necessary to take up the scheme according to the provision made in the Panchayat Act in order to transfer powers of administrative justice to the Panchayats.

(12) Financial assistance in the shape of matching grants:

With a view to improve and encourage collection of surcharge on local rate by the Panchayats, the State Govt. has taken up the schemes under which matching grants, depending on collection are to be given to the Panchayats.

Overall outlays and scheme-wise details have been shown in Statement III.

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DRAFT ANNUAL PLAN 1972-73.
PLAN OUTLAY AND EXPENDITURE - SCHEMewise.

Statement.iii
 (General Areas).
 (Rs. in lakhs).

STATE- ASSAM

Sl. NO.	Head/Sub-Head/ Schemes.	Fourth Plan outlay (1969-74)			Actual Expenditure. 1971-72			1972-73 Proposed outlay.			
		Total.	Capi- tal.	Forei- gn Ex- change	1969-70	1970-71	Appr- oved outlay	Antici- pated Expdr.	Total	Capi- tal.	Foreign Exch- ange.
1	2	3	4	5	6	7	8	9	10	11	12
<u>II-3-PANCHAYATS</u>											
1.	Loans and grants to pa- nchayats for creating Remunerative assets..	13.36	10.00	1.26	1.26	0.70	2.25	2.25	3.25	2.43	-
2.	Grants to G.P. Office buildings.....	3.75	-	-	-	0.25	0.30	0.30	0.70	-	-
3.	Sonmelons.....	0.63	-	-	0.08	0.05	0.10	0.10	0.61	-	-
4.	Composite Programme for Women and Pre- School Children...	7.83	-	-	-	0.44	1.40	1.40	3.88	-	-
5.	Training Reserve...	-	-	-	-	-	-	-	-	-	-
6.	Training of Panchaya- ts Secys.....	8.51	-	-	1.35	1.06	1.75	1.75	1.76	-	-
7.	Publication of Litera- ture.....	0.47	-	-	0.02	-	0.05	0.05	0.20	-	-
8.	Up-Grading of Pancha- yats Secys.....	5.40	-	-	-	1.25	1.15	1.15	1.50	-	-
9.	Panchayati Raj Train- ing Centre.....	11.25	1.50	-	1.50	0.73	2.50	2.50	3.50	1.00	-

	1	2	3	4	5	6	7	8	9	10	11	12
10. Study tours of non-officials.....			1.00	-	-	-	0.11	0.30	0.30	0.30	-	-
11. Loans to gramdan Areas.....			4.70	4.70	-	0.60	0.50	1.20	1.20	1.20	1.20	-
12. Panchayati Adalat.			0.15	-	-	-	-	-	-	-	-	-
13. Financial Assistance in shape of matching grants.			2.95	-	-	-	-	0.20	0.20	0.59	-	-
			60.00	16.20	-	4.81	5.09	11.20	11.20	17.49	4.63	..

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DRAFT ANNUAL PLAN, 1972-73

State - Assam

(General Areas)

III-1. IRRIGATION.

During 1970-71, the approved Annual Plan allocation was Rs 108.00 lakhs. But an expenditure of Rs. 55.00 lakhs was incurred. During the year, the head work for the Sukla Irrigation scheme was in progress. An amount of Rs 2.00 lakhs was incurred on Jammuna Irrigation Project in clearing up its past liabilities. On carrying out investigation of new irrigation schemes, a sum of Rs 5.00 lakhs was also incurred.

The approved allocation during 1971-72 is Rs 112.00 lakhs. The major portion of the expenditure will be on Sukla Irrigation Scheme. Lift Irrigation scheme from the river Brahmaputra in the Nowgong District and Longa Irrigation Scheme is proposed to be taken up during the year. These two schemes will benefit areas of 9757 and 6276 hactres respectively.

The proposed allocation during 1972-73 is Rs 125.00 lakhs; with which it is proposed to continue implementation of the Sukla Irrigation scheme, Longa Irrigation Scheme, Lift Irrigation Scheme from the Brahmaputra River and also to carry out Investigation of new irrigation schemes.

B/r14/x/1971.

DRAFT ANNUAL PLAN, 1972-73
Plan outlays & Expenditure - Schemewise.

STATEMENT -III
(Rs. in lakhs)

Sl. No.	Head/Sub-head/Scheme.	Estima- ted cost.	Expdr. incurred upto end of 68-69	4th Plan outlay(1969-74)		1969-70 Actual Expdr.	1970-71 Actual Expdr.	1971-72		1972-73(Outlay)		13	14
				Total	Capital			Approved	Antici- pated expdr.	Total	Capital		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
III. Irrigation & Power													
III-1. Irrigation.													
(a) Continuing Schemes.													
1.	Jamuna Irrigation Scheme.	410.00	370.00	40.00	40.00	-	34.50	2.00	2.00	0.20	3.50	-	-
2.	Sukla Irrigation Scheme	298.00	32.00	241.00	241.00	-	15.50	48.00	78.26	80.50	50.00	50.00	-
TOTAL(a):-		708.00	402.00	281.00	281.00	-	50.00	50.00	50.00 78.46	78.46 84.00	50.00	50.00	-
(b) New Schemes.													
3.	Dhansiri Major Irrigation - Project	784.00	-	20.00	20.00	-	-	-	-	-	-	-	-
4.	Longa Irrigation Scheme	50.00	-	40.00	40.00	-	-	-	7.84	3.00	20.00	20.00	-
5.	Lift Irrigation Scheme from the river Brahmaputra in Nowgong District.	153.00	-	124.00	124.00	-	-	-	19.00	20.00	50.00	50.00	-
Total(b):-		987.00	-	184.00	184.00	-	-	-	26.84	23.00	70.00	70.00	-
(c) Investigation & Research													
5.	Investigation & Research for Irrigation Schemes	-	-	25.00	25.00	-	5.00	5.00	6.70	5.00	5.00	5.00	-
Total(c):-		18	-	25.00	25.00	-	5.00	5.00	6.70	5.00	5.00	5.00	-
GRAND TOTAL:-		1695.00	402.00	490.00	490.00	-	55.00	55.00	112.00	112.00	125.00	125.00	-

DRAFT ANNUAL PLAN 1972-73

STATEMENT V

Check list in respect of principal projects costing Rs 5 crores and above.

1. Name of Project with brief description and location.

- a) Dhansiri Irrigation Scheme :- This scheme is located in the Mangaldoi Civil Sub-Division of Darrang district. This will be run-off the river Major irrigation scheme. The Dhansiri will be topped for irrigation with head works immediately downstream of Chairah Junda which will command a gross area of about Rs 1.50 lakhs acres to the West of Dhansiri River. Perennial irrigation water will be supplied by this scheme.
- 2) Date of commencement :- End of Fourth Plan.
- 3) Estimated date of completion :- End of Fifth Plan;
- 4) Cost of estimate and outlay :- a) Dhansiri Rs. 784.00 lakhs.
- a) Approved cost (Estimated) total :- b) Dhansiri - Rs. 784.00 lakhs.
- Foreign exchange 1) Dhansiri Rs. 10.00 lakhs.
- b) Revised cost total foreign exchange

5. Programme of outputs/benefits.

Item	Unit.	Progress upto 1968-69	Target for 4th Plan	Achievement 1969-70	Anticipated progress 1969-70	1967-71	Target for 1972-75
1. Dhansiri	000 Hactares	-	-	-	-	-	-

6. Employment data (Mandays)

(a) Labour requirement during the construction phase.

		<u>Skilled</u> Degree	<u>Personnel</u> Man <u>Technical Diploma</u>	<u>Non-technical</u>	<u>Unskilled.</u>
1969-70	1. Bank Dhansiri	nil	nil	nil	nil
1970-71	.....			
1971-72					
1972-73					
End of 4th Plan .					
	1. Dhansiri	800	1,000	1800	15,000

b) Estimated requirement of labour during operational/maintenance phase.

Nil for 1971-72, 1972-73 and end of Fourth Plan as only part of the project will be taken up during the Fourth Plan Period.

DRAFT ANNUAL PLAN 1972-73

STATEMENT VI

Physical Targets and Achievement.

Sl.	Item	Unit	Achievement 1968-69	4th Plan Target 1969-74	Achievement 1971-72		Anticipated Achievement	1972-73 proposed target.
					1969-70	1970-71 Target		
<u>Major & Medium Irrigation</u>								
<u>Estimated area under Irrigation</u>								
a)	Potential	000 Hacter	20,800	1,76,200	25,800	25,800 -	25,800	46,800
b)	Utilisation	-do-	16,200	1,62,000	25,800	25,800 -	25,800	37,800

III - 2. FLOOD CONTROL.

(General Areas)

(a) BARAK VALLEY SCHEMES:

The allocation during 1970-71 was Rs. 85.00 lakhs and the expenditure incurred was Rs. 70.00 lakhs. During the year, various emergent schemes such as construction of embankments, dykes, sluices in embankments were taken up apart from carrying out Survey and investigation works.

The approved allocation during 1971-72 is Rs. 63.00 lakhs. With this amount raising and strengthening of the existing flood embankment where necessary on priority basis has been taken up besides construction of new embankments sluices etc.

The proposed allocation during 1972-73 is Rs. 110.00 lakhs. With this amount, apart from taking up some new schemes, works on raising and strengthening of the existing dykes and other flood Control measures will be taken up.

(b) BRAHPAMUTRA VALLEY SCHEMES:

The approved outlay during 1970-71 for Brahmaputra Valley flood control schemes was Rs. 486.00 lakhs, but the actual expenditure was Rs. 510.00 lakhs. Over and above, the Govt. of India sanctioned an advance of Rs. 3.00 crores to the State Govt. as "Ways and means Advance" to tide over its difficulties created by heavy flood in the State during the year. Out of the above amount a sum of Rs. 1.70 crores was spent on Plan Schemes thus the total amount spent during 1970-71 was Rs. 680.00 lakhs. viz. Rs. 510.00 lakhs for the State Plan and Rs. 170.00 lakhs from out of the "Ways and Means Advance" sanctioned by the Govt. of India. During the year, the major portion of the allocation was spent on Raising and strengthening of existing Dykes, on new embankments on priority basis and also on protection work.

The allocation for 1971-72 is Rs. 460.00 lakhs. The major portion of the allocation has been spent or is likely to be spent on spillover schemes, Raising and strengthening of the existing Dykes, new embankments, protection works etc.,. In addition the Bharmaputra Commission also proposes to take up some emergent flood control measures. Out of the expected additional central assistance of Rs. 600.00 lakhs.

The proposed allocation during 1972-73 is Rs. 529.34 lakhs. With the above amount it is expected to achieve the following :-

1) Raising and strengthening	-	142 K.M.
2) New Embankment	-	48 K.M.
3) River Training Dredging	-	2 Nos.
4) Investigation Survey and Research	-	5 Nos. of Schemes

CENTRAL SPONSORED SCHEMES

The Brahmaputra Commission has taken up a scheme "study of the Flood Hydrology of the Brahmaputra Basin". The purpose of this scheme is to undertake a study of the Flood Hydrology of the Brahmaputra Basin on the basis of the data already collected and purposed to be collected. The work was taken up during 1970-71 and is in progress. During 1970-71, an expenditure of Rs. 8.75 lakhs was incurred and the likely expenditure during 1971-72 is Rs. 49.03 lakhs. The allocation proposed during 1972-73 is Rs. 30.00 lakhs.

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M. Towfique,

(Rs. in lakhs)

Sl. No.	Head/Sub-head/ Scheme.	Fourth Plan Outlay (1969-74)			1969-70	1970-71	1971-72		Proposed Outlay 1972-73		
		Total	Capital	Foreign Exchange	Actual Expen- diture.	Actual Expen- diture.	Approved Outlay	Antici- pated Expen- diture.	Total	Capital	Foreign Exchange
1	2	3	4	5	6	7	8	9	10	11	12
	III. IRRIGATION & POWER										
	III.2 FLOOD CONTROL										
	(i) Barak Valley Schemes										
A.	Continuing Schemes	164.00	164.00	-	29.15	45.00	20.00	20.00	39.00	39.00	-
B.	<u>New Schemes</u>										
	(i) Raising & Strengthening of Dykes.	75.00	75.00	-	10.00	8.00	8.00	8.00	18.00	18.00	-
	(ii) Embankments	110.00	110.00	-	8.00	9.00	15.00	15.00	25.00	25.00	-
	(iii) Drainage	15.00	15.00	-	-	-	2.00	2.00	4.00	4.00	-
	(iv) Sluices	20.00	20.00	-	2.00	2.00	6.00	6.00	5.00	5.00	-
	(v) Town Protection & River Training Scheme.	26.00	26.00	-	1.00	2.00	3.00	3.00	10.00	10.00	-
	(vi) Raised Platforms	5.00	5.00	-	-	-	-	-	2.00	2.00	-
	(vii) Barak Dam (Advance Action)	5.00	5.00	-	-	-	-	-	-	-	-
	(viii) Investigation of Flood Control Dams.	10.00	10.00	-	-	2.00	4.00	4.00	2.00	2.00	-
C.	Investigation of Survey & Research	20.00	20.00	-	3.00	2.00	5.00	5.00	5.00	5.00	-
	Total for Barak Valley Scheme	450.00	450.00	-	53.15	70.00	63.00	63.00	110.00	110.00	-

DRAFT ANNUAL PLAN 1972-73
Plan Outlays and Expenditure - Schemewise.

STATEMENT-III

(Rs. in lakhs)

Sl. No.	Head/Sub-head/Scheme.	Fourth Plan Outlay (1969-70)			1969-70	1970-71	1971-72	1972-73 Proposed Outlay			
		Total	Capital	Foreign Exchange	Actual Expenditure.	Actual Expenditure.	Approved Outlay	Anticipated Expenditure.	Total	Capital	Foreign Exchange
1	2	3	4	5	6	7	8	9	10	11	12
(i) BRAHMAPUTRA VALLEY SCHEMES											
A. continuing Schemes											
(a)	Scheme of previous Plan spilling into the 4th Plan	500.91	500.91	-	240.68	36.86	118.69	118.69	104.68	104.68	-
B. New Schemes											
(i)	Raising and Strengthening of existing Dykes	450.65	450.65	-	85.93	177.34	67.86	67.86	119.52	119.52	-
(ii)	New Embankments	375.94	375.94	-	13.58	109.71	114.40	114.40	138.25	138.25	-
(iii)	Drainage Schemes	-	-	-	-	-	-	-	-	-	-
(iv)	Sluices	15.38	15.38	-	-	0.90	6.50	6.50	7.98	7.98	-
(v)	River Training & Dykes	71.95	71.95	-	-	1.51	6.80	6.80	63.64	63.64	-
(vi)	Protection Works	520.44	520.44	-	149.47	188.68	137.55	137.55	49.74	49.74	-
(vii)	Raised Plat forms	-	-	-	-	-	-	-	-	-	-
(viii)	Storage Reservoir	-	-	-	-	-	-	-	-	-	-
(ix)	Flood forecasting & warning	-	-	-	-	-	-	-	-	-	-
C.	Investigation, survey & Research.	28.73	28.73	-	-	-	8.20	8.20	20.53	20.53	-
D.	Miscellaneous	25.00	25.00	-	-	-	-	-	25.00	25.00	-
TOTAL:		1989.00	1989.00	-	489.66	510.00	460.00	460.00	529.34	529.34	-

Con...

	1	2	3	4	5	6	7	8	9	10	11
Total for Flood Control in the State Plan			22,439.00	2,439.00	-	542.81	580.00	523.00	523.00	639.34	639.34
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Schemes to be taken up out of the additional Central Assistance outside the State Plan.											
(1) Raising and stren- thening of existing dykes			162.80	162.80	-	-	2.50	160.30	160.30	-	-
(2) New Embankments			152.00	152.00	-	-	100.50	51.50	51.50	-	-
(3) Drainage Schemes			-	-	-	-	-	-	-	-	-
(4) Sluices			15.00	15.00	-	-	-	15.00	15.00	-	-
(5) River Training & Dredger			156.00	156.00	-	-	31.00	125.00	125.00	-	-
(6) Protection Works			95.70	95.70	-	-	21.00	74.70	74.70	-	-
(7) Investigation, Survey and Research			43.50	43.50	-	-	15.00	28.50	28.50	-	-
(8) Miscellaneous			145.00	145.00	-	-	-	145.00	145.00	-	-
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Total:			770.00	770.00	-	-	170.00	600.00	600.00	-	-
			-	-			-	-	-		

STATE: ASSAM

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DRAFT ANNUAL PLAN 1972-73
Plan Outlay and Expenditure - Schemewise.

STATEMENT - III

(Rs. in lakhs)

1.	2.	3.	4.	Fourth Plan Outlay (1969-74)			8.	9.	10.	Proposed Outlay 1972-73		
				5.	6.	7.				11.	12.	13.
Head/Sub-head/ Scheme	Estimated cost.	Expenditure upto end of 1968-69	Total	Capital	Foreign Exchange	Actual Expenditure 1969-70	Actual Expenditure 1970-71	Approved Outlay	Anti-cipal expdr.	Total	Capital	Foreign Exchange

III. IRRIGATION AND POWER:

III-2. Flood Control

III2(a) Flood Control -
Brahmaputra Valley
Schemes,

1. CONTINUING SCHEMES:

Spill-over amount from previous plans.

1301.14	800.23	500.91	500.91	-	240.68	36.86	118.69	118.69	104.68	-
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2. FLOOD CONTROL:(CONTINUING)

R/S of existing Dykes (taken up in 1969-70);

1. R/S of Brahmaputra Dyke from Haldibari to Basamora	51.91	-	51.91	51.91	-	-	-	1.41	1.41	2.59	-
2. R/S of Brahmaputra Dyke from Deorighat to Sissikalghar (2nd R/S).	56.38	-	56.38	56.38	-	-	-	5.20	5.20	1.82	-
3. R/S of Brahmaputra Dyke from Biswanath to Panpur.	14.19	-	14.19	14.19	-	-	-	10.36	10.36	0.70	-
4. R/S of M/E along of Pagladiya from Kehura to Bijlighat (Ph.-II)	65.44	-	65.44	65.44	-	-	-	4.99	4.99	3.27	-

Contd..../2..

Head/Sub-head/ Scheme.	Estimated Cost	Expenditure incurred upto end of 1968-69	Fourth Plan Outlay (1969-74)			Actual Expdr. 1969-70	Actual Expdr. 1970-71	1971-72		Proposed Outlay 1972-73		
			Total	Capital	Foreign Exchange			Appro- ved Outlay	Antici- pated Expdr.	Total	Capi- tal	Foreign excha- nge.
2	3	4	5	6	7	8	9	10	11	12	13	14
R/S of Moridhal Dyke from Sarukacharigaon to Sissikalghar (3rd R/S).	28.00	-	28.00	28.00	-	-	-	-	-	-	-	-
R/S of Brahmaputra Dyke from Jagimukh to Neamati(Ph;-II).	7.57	-	7.57	7.57	-	-	-	0.40	0.40	-	-	-
R/S of Dibrugarh Pro- tection Bund from Naijan to Mohanghat (Brahmaputra Dyke)	22.70	-	22.70	22.70	-	-	-	18.00	18.00	0.51	-	-
TOTAL -	246.19	-	246.19	246.19	-	85.93	93.50	40.36	40.36	8.89	8.89	-

Taken up in 1970-71):

R/S of Puthimari embank- ment L/B from Bara- mboi to its outfall.	38.72	-	38.72	38.72	-	-	-	5.00	1.41	18.38	-	-
R/S of embankment along Buridhing from Jokai R/S to A.T.Road(Extension of Tengakhat Bund)	37.53	-	37.53	37.53	-	-	-	3.00	3.00	2.20	-	-
R/S of Desang bund L/B from Desangmukh to Akhoiphutia.	25.64	-	25.64	25.64	-	-	-	4.50	4.50	10.61	-	-
R/S of Nonai embank- ment from M.P.K.Road to Railway Line (Ph.-II)	37.91	-	37.91	37.91	-	-	-	5.00	5.00	11.95	-	-

Contd..../3...

Head/Sub-head/ Scheme.	Estimated Cost.	Expendi- ture in- curred upto end of 1968-69	Fourth Plan Outlay (1969-74)			Actual Expdr. 1969-70	Actual 1970-71	1971-72		1972-73		
			Total	Capital	Foreign Exchange			Approved Outlay	Antici- pated Expdr.	Proposed Total	Capita- tal	Fore- ing exch- ange
2	3	4	5	6	7	8	9	10	11	12	13	14
R/S of M/E along with B/S of Pag- lakiya from G.K.Ali to R;D Road.	13.24	-	13.24	13.24	-	-	-	2.00	2.00	1.46	-	-
R/S of M/E along R/B of Puthimari from Baramboi to Hajo- Malbari P.W.D.Road (1969-70)	29.28	-	29.29	29.28	-	-	-	5.00	5.00	9.57	-	-
R/S of Pagladiya embank- ment L/B from Adabari to Desangmukh	9.55	-	9.55	9.55	-	-	-	2.00	2.00	7.36	-	-
Total:	191.87	-	191.87	191.87	-	-	-	8.84	26.50	26.50	61.53	61.53
■ up in 1970-71 By B.F.C.C.:												
R/S of Brahmaputra Dykes from Jamuguri to Kharoi Out-fall (Retirement portion at Lohitmukh).	3.84	-	3.84	3.84	-	-	-	-	1.00	1.00	0.34	-
TOTAL:	3.84	-	3.84	3.84	-	-	-	2.50	1.00	1.00	0.34	0.34
■ up in 1971-72 R/S of Kating Dyke; R/S of Brah- maputra Dyke (North Bank):												
R/S of Brahmaputra Dyke from Rangamati	131.06	-	40.00	40.00	-	-	-	30.00	30.00	10.00	-	-

Sl. No.	Head/Sub-head/Scheme.	Estimated Cost.	Expenditure incurred upto end of 1968-69.	Fourth Plan Outlay (1969-74)			Actual Expdr. 1969-70	1971-72	1972-73	Proposed Outlay		
				Total	Capital	Foreign Exchange				Total	Capital	
1	2	3	4	5	6	7	8	9	10	11	12	13

17.	R/S of Brahmaputra Dyke from Tekeliphuta to Haldibari.	12.00	-	8.00	8.00	-	-	-	6.00	6.00	2.00	-
18.	Strengthening Brahmaputra Dyke from Sonarighat to Sissikalghar.	5.00	-	4.00	4.00	-	-	-	2.50	2.50	1.50	-
Total:		148.06	-	52.00	52.00	-	-	-	38.50	38.50	13.50	13.50

R/S of Brahmaputra Dykes (South Bank):

19.	R/S of Brahmaputra Dyke from Palashbari to Gumi.	36.94	-	14.00 14.00	14.00	-	-	-	10.00	10.00	4.00	-
20.	R/S of Brahmaputra Dyke from Rongaghar to Neghereting	32.92	-	15.00	15.00	-	-	-	10.00	10.00	5.00	-
21.	R/S of Brahmaputra Dyke from Dhing to Hilloikhunda Ph.-II.	11.39	-	7.00	7.00	-	-	-	5.00	5.00	2.00	-
Total:		81.25	-	36.00	36.00	-	-	-	25.00	25.00	11.00	11.00

R/S of Brahmaputra Tributary Dykes:

22.	R/S of Depotu Embankment.	21.40	-	9.00	9.00	-	-	-	6.00	6.00	3.00	-
23.	R/S of embankment on L/B of Morachaolkhowa.	1.10	-	1.10	1.10	-	-	-	0.80	0.80	0.30	-
24.	R/S of Subsidiary Dyke from Bimpur to Nosii.	82.99	-	-	-	-	-	-	-	-	-	-

Contd..../5..

1	2	3	4	5	6	7	8	9	10	11	12	13
25. R/S of Jhnji embankment	56.92	-	16.70	16.70	-	-	-	-	12.00	12.00	4.70	-
26. R/S of Desang bund on both bank	219.95	-	30.00	30.00	-	-	-	-	25.00	25.00	5.00	-
27. R/S of Dikhow bund on both bank	154.32	-	30.00	30.00	-	-	-	-	25.00	25.00	5.00	-
28. R/S of Buridehing bund.	274.98	-	30.00	30.00	-	-	-	-	25.00	25.00	5.00	-
29. R/S of Buridehing from Chippi Basti to Mollonggaon.	10.00	-	-	-	-	-	-	-	-	-	-	-
30. R/S of Kollong embankment on L/B from Shakatgaon to Italijan (20 K.M.)	25.00	-	-	-	-	-	-	-	-	-	-	-
31. Improvement of embankment along Nonai from Kuruabahi to Jeteli-sara. (Nowgong).	6.00	-	4.26	4.26	-	-	-	-	3.00	3.00	1.26	-
Total:	852.65	-	121.06	121.06	-	-	-	-	96.80	96.80	24.26	24.26
Grand Total:	1523.86	-	347.68	347.68	-	-	-	-	85.93	179.84	228.16	228.16
											119.52	119.52

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Head/Sub-head/ Scheme.	Estimated cost.	Expendi- ture in- curred upto end of 1968-69	Fourth Plan Outlay (1969-74) Total	Capital Foreign exchange	Actual Expdr. 1969-70	1970-71	1971 - '72 Approved outlay	'72 Antici- pated expdr.	Proposed Outlay 1972-73 Total	Cap- ital	Fore- ign exch- ange	
2	3	4	5	6	7	8	9	10	11	12	13	14

NEW EMBANKMENT:
(SCHEMES TAKEN UP IN 1969-70):

Construction of Brahmaputra Dyke from Tengapani to Desangmukh Ph.-I.	47.00	-	47.00	47.00	-	10.93	18.49	12.88	12.88	4.70	4.70	-
Construction of Dyke along L/B of Subansiri from 10th to 21st Mile of abandoned P.W.D., P.G.J.G.H. Road.	71.77	-	71.77	71.77	-	0.06	31.34	33.19	33.19	7.18	7.18	-
Construction of Dikrong embankment to protect Madhupur village and its surrounding area	5.44	-	5.44	5.44	-	0.11	1.89	3.17	5.17 3.17	0.27	0.27	-
Flood protection of Kahalihamari area from Singamalijan.	4.68	-	4.68	4.68	-	-	1.44	2.78	2.78	0.46	0.46	-
Construction of Brahmaputra Dyke from Khutiaputa check bund to Ronggura-Naghatang Bund.	17.36	-	17.36	17.36	-	2.48	13.13	1.00	1.00	0.75	0.75	-
Total :	146.25	-	146.25	146.25	-	13.58	66.29	53.02	53.02	13.36	13.36	-

(Scheme taken up in 1970-71):

Construction of embankment along L/B of Kollong from Ganeshguri to Digarumukh.	10.00	-	10.00	10.00	-	-	3.79	4.00	4.00	2.21	2.21	-
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
7. Consturction of Brahmaputra Dyke from Kaziranga R.F. to Diffolupathar.		34.27	-	34.27	34.27	-	-	14.97	5.00	5.00	14.30	14.30	-	
8. Construction of embankment along L/B of Saralbhanga from Patgaon to upstream.		13.28	-	13.28	13.28	-	-	7.42	4.50	4.50	1.36	1.36	-	
9. Construction of Dyke on Desang R/B from Patsaku to Nagal-mara.		9.79	-	9.79	9.79	-	-	4.29	3.50	3.50	2.00	2.00		
10. Construction of M/E along R/B of Bhe-lengi from Gajia - Gobindapur to Kadang - Govindapur		11.06	-	11.06	11.06	-	-	3.46	4.60	4.60	3.00	2.00		
11. Extension of embankment along B/ B of Nona from Ch. 'O' of the existing embankment to G.K.Ali.		19.28	-	19.28	19.28	-	-	-	8.00	8.00	11.28	11.28	-	
12. Construction of embankment along Both banks of Durpong.		5.17	-	5.17	5.17	-	-	6.42	-	-	-	-		
13. Construction of embankment along B/B of Pahumara from Ruphaghat to Kathal-marighat.		7.98	-	7.98	7.98	-	-	1.71	3.00	3.00	3.24	3.24		
14. Construction of embankment along L/B of ...														

	1	2	3	4	5	6	7	8	9	10	11	12	13
14. Construction of embankment along L/B of Kukorjar from P.W.D. Road to Nakhanda Bridge.		12.00	-	12.00	12-00	-	-	-	1.32	4.28	3.00	6.40	6.40
15. Extension of M/E along Manas from Santoshpur Hatchara.		11.52	-	11.52	11-52	-	-	-	0.01	4.50	4.50	7.01	7.01
Total:		134.35	-	134.35	134.35	-	-	-	43.42	41.38	4.02 40.10	50.80	50.80
(Scheme taken up in 1970-71): <i>64 B</i>													
16. Construction of retirement dyke from Desangmukh to Dikhomukh including raising and strengthening.		88.10	-	88.10	88-10	-	-	-	60.00	8.00	-	20.10	20-10
17. Construction of retirement of Brahmaputra dyke from Tezpur to Gabharumukh in the reach from Do-Parbatieya to Dinta.		14.83	-	14.83	14-83	-	-	-	8.00	3.00	-	3.83	3-83
18. Construction of embankment along Kalco river at Mankachar (Construction of ring bund at Jhagururhar).		27.52	-	27.52	27-52	-	-	-	5.00	2.00	-	20.52	20-52
19. Retirement of Brahmaputra dyke near Lehi Dorga.		24.40	-	24.40	24-40	-	-	-	15.00	2.00	-	7.40	7-40
20. Retirement of Brahmaputra dyke at Leopara.		4.54	-	4.54	4-54	-	-	-	2.50	1.00	-	1.04	1-04

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

31. Construction of Brahmaputra main tributary dyke along R/B of Kollong river from Hattigarh P.W.D. Road to Gobardhan Hill.	38.79	-	44.00	44.00	-	-	-	35.00	35.00	9.00	9.00
TOTAL:	276.79	-	68.50	68.50	-	-	-	51.50	51.50	17.00	17.00
GRAND TOTAL:	734.97	-	526.68	526.68	-	13.58	210.21	165.90	165.90	138.25	138.25

II. River Training.

(Scheme taken up in 1969-70)

1. Bottom ponelling experiment of Alikash & Dhasogur.	1.50	-	1.50	1.50	-	-	-	-	-	-	-
2. Training of Kukarjan & revival of Sit strong	7.39	-	7.39	7.39	-	-	-	0.20	0.20	0.14	0.14
TOTAL:	8.89	-	8.89	8.89	-	7.01	1.51	0.20	0.20	0.14	0.14

(Scheme taken up in 1970-71)

3. Training of Pagladiya river. (Protection of bank from erosion river Pagladiya) 9 sites.	41.53	-	41.53	41.53	-	-	-	5.00	5.00	13.39	13.39
4. Training of Puthimari river. (Protection of bank from erosion of river Puthimari).	25.00	-	25.00	25.00	-	-	-	2.00	2.00	16.00	16.00
TOTAL:	66.53	-	66.53	66.53	-	-	-	7.00	7.00	29.39	29.39

(Scheme taken up in 1971-72).

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

(Schemes taken up in
1971-72.)

5. Closing the mouth of the directed spill channel of Mora-Pag-ladiya right bank.	0.41 0.41	-	0.91	0.91	-	-	-	0.80	0.80	0.11	0.11
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Total:	0.41 0.41	-	0.91	0.91	-	-	-	0.80	0.80	0.11	0.11
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IV. River training & dredger.

1. Training of Subansiri river.	100.00	-	60.00	60.00	-	-	-	40.00	40.00	20.00	20.00
2. Training of Jaidhal & Kumatiya river system	200.00	-	85.00	85.00	-	-	-	75.00	75.00	10.00	10.00
3. Dredging	90.00	-	14.00	14.00	-	-	-	10.00	10.00	4.00	4.00
Total:	390.00	-	159.00	159.00	-	-	-	125.00	125.00	34.00	34.00

Grand Total:	466.33	-	235.33	235.33	-	-	7.01	8.51	133.00	133.00	63.64	63.64
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III. Protection works.

(Scheme taken up in 1969-70)

1. Protection of Helna state Dispensary and its adjoining areas from erosion of Kaldiya River.	1.03	-	1.03	-	-	-	-	0.35	0.35	-	-
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1	2	3	4	5	6	7	8	9	10	11	12	13
2. Protection of Brahmaputra Dyke L/B at Alikash from erosion of river Brahmaputra.	33.50	-	33.50	-	-	-	-	-	18.00	18.00	1.26	1-26
3. Protection of Koklamukh area from erosion of river Brahmaputra.	223.00	-	223.00	-	-	-	-	-	30.00	30.00	12.73	12-73
4. Protection of Kusibali area in Hatchong Mouza from erosion of river Dikhow.	27.80	-	27.80	-	-	-	-	-	10.00	10.00	1.92	1-92
5. Protection of Simalaguri Town from erosion of River Dikhow	23.80	-	23.80	-	-	-	-	-	18.00	18.00	2.31	2-31
Total:	309.13	-	309.13	-	141.76	-	94.10	76.35	76.35	18.22	18-22	

(Scheme taken up in 1970-71)

6. Extension of Dibrugarh protection works upstream of Morijan stone spur.	23.08	-	23.08	-	-	-	-	-	5.00	5.00	5.17	5-17
7. Protection of Dhubri town from erosion of River Brahmaputra.	152.13	-	152.13	-	-	-	-	-	50.00	50.00	3.50	3-50
8. Extension of Bishnath town protection works from erosion of River Brahmaputra.	2.37	-	2.37	-	-	-	-	-	2.00	2.00	0.37	0-37
Total:	177.58	-	177.58	-	-	111.54	57.00	57.00	57.00	9.04	9-04	

(Scheme taken up in 1970-71 by B.F.C.C.)

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	1	2	3	4	5	6	7	8	9	10	11	12
(Scheme taken up in 1970-71 by B.F.C.C.)												
9. Improvement of exist- ing Dibrugarh town protection works 31.32	-	-	31.32	-	-	-	-	21.00	4.00	4.00	6.32	
(further strengthe- ning of Dibrugarh from Protection works)												
Total: 31.32	-	-	31.32	-	-	-	-	21.00	4.00	4.00	6.32	

Protection Works.

Schemes proposed to be
taken up in 1971-72)

1. Protection work at Bhatipara. 5.00	-	-	-	-	-	-	-	-	-	-	-	-
2. Protection work at Chandrapur. 10.00	-	-	-	-	-	-	-	-	-	-	-	-
3. Protection work at Mouzdoloi. 5.00	-	-	1.50	-	-	-	-	-	0.75	0.75	0.65	
4. Protection of Ranga- nadi embankment, by timber spurs at different sites. 30.00	-	-	14.77	-	-	-	-	-	10.00	10.00	4.51	
5. Protection work at Kampur 15.00	-	-	-	-	-	-	-	-	-	-	-	-
6. Protection work at Jamunamukh. 15.00	-	-	-	-	-	-	-	-	-	-	-	-
7. Flood protection of Bibilata area from Godadhar river. 40.00	-	-	18.00	-	-	-	-	-	15.00	15.00	3.00	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
4. Providing sluices in Kopali embankment (5 Nos.)		20.00	-	3.50	-	-	-	-	-	2.50	2.50	1.00	1.00	-
Providing sluices in Dushi mukh area.		40.00	-	-	-	-	-	-	-	-	-	-	-	-
Total:-		102.00	-	21.00	-	-	-	-	-	15.00	15.00	6.00	6.00	-
Grand Total:-		201.36	-	30.36	-	-	-	-	0.90	31.50	31.50	7.98	7.98	-

Survey & Investigation:
(Scheme taken up in 1970-71)
by B.F.C.C.

Hydrographic survey of river Brahmaputra (Inv.)	13.39	-	13.39	-	-	-	-	-	-	2.00	2.00	1.39	1.39	
Aerial Photography of Brahmaputra va- lley (Investigation)	15.00	-	15.00	-	-	-	-	-	-	5.00	5.00	8.00	8.00	
Total:	28.39	-	28.39	-	-	-	-	-	15.00	7.00	7.00	9.39	9.39	

(Scheme taken in 1971-72)

Cost of C.I. sheet roofing for the relief model- of Brahmaputra at Basistha.	0.35	-	0.35	-	-	-	-	-	-	0.30	0.30	0.05	0.05	
Procurement of equip- ment for soil-Labro- ratory at Barnihat for 1971-72-	0.84	-	0.84	-	-	-	-	-	-	0.75	0.75	0.09	0.09	
Survey for extension of the embankment from Mukehngar to Pehrason (up to rail- way line)	0.03	-	0.03	-	-	-	-	-	-	0.03	0.03	-	-	

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	2	3	4	5	6	7	8	9	10	11	12	13
Survey for proposed embankment along Gadadhar River from Taraghat to Debitotla.		0.03	-	0.03	-	-	-	-	0.03	0.03	-	-
Survey for proposed Mora-Bharali Scheme.		0.09	-	0.09	-	-	-	-	0.09	0.09	-	-
Total 3 to 7 :-		1.34	-	1.34	-	-	-	-	1.20	1.20	0.14	0.14

Investigation, Survey & Research.
 Scheme proposed to be taken up (1971-72).

Research	25.00	-	13.50	-	-	-	-	-	10.50	10.50	3.00	3.00
Investigation for Dams.	20.00	-	11.00	-	-	-	-	-	8.00	8.00	3.00	3.00
Metrological Observation.	11.00	-	6.00	-	-	-	-	-	4.00	4.00	2.00	2.00
Seismological observation.	4.00	-	3.00	-	-	-	-	-	2.00	2.00	1.00	1.00
Investigation and Survey for other schemes.	10.00	-	6.00	-	-	-	-	-	4.00	4.00	2.00	2.00
Total :-	70.00	-	39.50	-	-	-	-	-	28.50	28.50	11.00	11.00
Grand Total:	99.73	-	69.23	-	-	-	-	-	36.70	36.70	22.53	20.5

Miscellaneous.
 Scheme proposed to be taken up in 1971-72).

Construction of Commission building.	10.00	-	7.00	-	-	-	-	-	5.00	5.00	2.00	2.00
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	2	3	4	5	6	7	8	9	10	11	12	13
Setting up of work shop.	25.00	-	-	18.00	-	-	-	-	15.00	15.00	3.00	3.0
Unforeseen emergent works.	200.00	-	-	85.00	-	-	-	-	75.00	75.00	10.00	10.0
Payment of arrears L.A. of old schemes.	100.00	-	-	60.00	-	-	-	-	50.00	50.00	10.00	10.0
Total:-	335.00	-	-	170.00	-	-	-	-	145.00	145.00	25.00	25.0
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CENTRALLY SPONSORED SCHEMES (NON-PLAN)
DRAFT ANNUAL PLAN 1972-73 - SCHEMewise OUTLAY AND EXPENDITURE

STATEMENT-VII.
(Rs. in lakhs)

STATE: ASSAM

1	2	3	4		5			6	
			Fourth Plan outlay in 1969-74.	Actual expenditure 1969-70	1970-71	1971-72	Anticipated expdr.	Proposed outlay	Capital
o	Name of Scheme								
	Study of the flood hydrology of Brahmaputra Basin.	98'00 98 Lakhs	-	8.75	49.05	49.05	30.00	-	

M. Towfique,

Check list in respect of principal projects costing Rs 5 crores and above.

1. Name of Project with brief description and location.

- a) Barak Dam Projects. :- This a multipurpose project with total estimated cost of Rs.28.89 crores approximately. The share of the flood control element of the project is estimated at Rs 11000 crores while that of the element is estimated at Rs. 17.80 crores.
- 2) Date of commencement :- End of Fourth Plan.
- 3) Estimated date of completion :- End of Fifth Plan.
- 4) Cost of estimate and outlay :- a) Barak - Rs. 1100.00 lakhs (F.C. elements only)
b) ~~Barak~~
- a) Approved cost (Estimated) total :- Barak - Rs.11.00 lakhs.
Foreign exchange 1) Barak Rs 25.00 lakhs.
- b) Revised cost total foreign exchange :-

5 Programme of outputs/benefits.

S.No. Item	Unit.	Progress upto 68-69	Target for 4th Plan	Achievement 1969-70	Anticipated progress 1969-70 1967-71		Target for 1972-73
1. Barak	000 Hactares	-	-	-	-	-	-

6. Employment data (Mandays)

(a) Labour requirement during the construction phase

		<u>Skilled Degree</u>	<u>Personnel Technical Diploma</u>	<u>Non-technical</u>	<u>Unskilled.</u>
1969-70	1. Barak	nil	nil	nil	nil
1970-71	.....	-	-	-	-
1971-72	.....	-	-	-	-
1972-73	.....	-	-	-	-
End of 4th Plan					
	1. Barak	600	800	1500	10,000

b) Estimated recruitment of labour during operational/maintenance phase.

'Nil' for 1972-72, 1972-73 and end of Fourth Plan as only part of the project will be taken up during the Fourth Plan Period.

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DRAFT ANNUAL PLAN 1972-73
PHYSICAL TARGETS AND ACHIEVEMENTS

STATEMENT - VII

Sl. No.	Item	Unit	Achievement	Fourth Plan	Achievement		1971 - 72		1972 - 73
			1969-1969.	Target.	1969-70	1970-71	Target	Anticipated	Proposed Target
1	2	3	4	5	6	7	8	9	10
1.	Raising and strengthening.	K.M.		760. K.M.	98 K.M.	230 K.M.	290 K.M.	290.K.M.	142 K.M.
2.	New embankment	K.M.		187 "	6 "	74 "	59 "	59 "	48 "
3.	Sluices	Nos.		7 Nos.	-	2 Nos.	5 Nos	5 Nos.	-
4.	River Training and Dredging	Nos.		7 Nos.	2 Nos	2 Nos.	1 No.	1 No.	2 Nos.
5.	Town Protection Works.	Nos.		13 Nos.	5 Nos.	3 Nos.	5 Nos	5 Nos.	-
6.	Investigation Survey and Research.	Schemes.		12 Nos. Schemes.	-	2 Nos. Schemes.	5 Nos. Schemes.	5 Nos. Schemes.	5 Nos. Schemes.
7.	Miscellaneous (including un-foreseen)	Schemes.		4Nos Scheme.			2 Nos. Schemes.	2 Nos. Schemes.	2 Nos. Scheme.

M. Towfique.

CENTRALLY SPONSORED SCHEMES
DRAFT ANNUAL PLAN 1972-73 SCHEMewise PHYSICAL TARGETS AND EXPENDITURES

STATEMENT-VII

(Rs. in lakhs)

STATE: ASSAM.

Sl. No.	Name of Scheme	Unit	Fourth Plan Targets	Achievements			1971 - 72		1972-73.
			in 1969-74.	1969 - 70.	1970- 71	Proposed	Anticipated achievement.	Proposed	
1	2	3	4	5	6	7	8	9	

L. Study of flood hydrology :
of River Brahmaputra.

This is a study of the Flood Hydrology of Brahmaputra Basin, which is to be made on the basis of the Data already collected and proposed to be collected. The study and collection of Data is in progress.

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E. Towfique.

III -3- POWER.A brief outline of the Progress of works in 1970-71 and expected performance in 1972-73.

1. Uman Hydro Electric Project Stage-I (4x9 MW):
Completed Project.
2. Uman Hydro Electric Project Stage-II (2x9 MW):
The Project was completed in June, 1970.
3. Namrup Thermal Project (3x23 MW):
Completed Project.
4. Garo Hills Thermal Project (2x2.5 MW):

The construction works were in progress and more than 70% of works were completed upto end of 1970-71. The works are continuing in the year 1971-72 and it is expected that the project will be commissioned by the end of the year.

5. Gauhati Termal Station (1x30 MW):

The construction of Power House buildings and residential buildings were completed in 1970-71. Intake works also have been completed and the erection of bolders and other accessories are in progress. About 80% of the works have been completed by the end of 1970-71. The erection of works are in progress in the current year and the Project is scheduled for commissioning by June/July, 1972.

6. Namrup Thermal Extension (1x30 MW):

The piling works and the construction of residential buildings have been completed. A considerable quantity of boiler parts have been received and stored at site. Tender notice have been issued for intake works, intake Pumps and Intake pipe have been ordered. The work is progressing smoothly and upto schedule and about 20% works have been completed by the end of 1970-71. Major construction will be carried-out in 1971-72. The target date of commissioning the project is 1973-74.

7. Gauhati Gas Turbine Station (1x12.5 MW):

To meet the increased load demand in Upper Assam, ^{it} ~~it~~ was proposed that 12.5 MW set at Gauhati will be shifted to Namrup and installed there with some modifications in fuel injection system. The work of dismantling the set was taken up in hand departmentally in 1970-71 and most of the components shifted to Namrup. Other components have also been transport^{ed} to Namrup and the erection ~~was~~ has already ^{been} taken up in

hand departmentally. The set is expected to be commissioned in Memrup by the end of the year 1971-72.

8. Kyrdemkulai Hydro Electric Project (1x30 MW):

The construction of Kyrdemkulai Hydro Electric Project at an estimated cost of Rs 924 lakhs have been approved by the Planning Commission and included for execution during the Fourth Five Year Plan. Orders for Turbine generating set has been placed with M/s. Bharat Heavy Electrical and Tender for construction of road and tunnels were invited in 1970-71. In 1971-72, the construction of roads and buildings have been taken up and tenders for some major items were invited. It will be possible to finalise all major tenders and works orders will be issued. The construction of roads and building will be in progress and distribution lines will be drawn up for construction Power.

9. 220 KV Gauhati - Nowgong Line:-

About 90% to tower erection were completed in the year 1970-71. The construction works of the line will be continued in 1971-72 and it is expected to complete the construction of the line by December, 1971.

10. 120 KV Badarpur Guraibari Line:

The line was completed in the year 1969-70 and was charged at 33 KV. Installation of equipment for commissioning the line at 132 KV ^{was} ~~set~~ taken in hand. Power supply to Tripura will commence at 132 KV when Tripura will be ready to receive Power at 132 KV.

11. Sub-transmission, Normal Development:-

During the year 1970-71, about 223 KM of 33 KV line, 325 KM of 11 KV line, 136 KM of L.T. 3 phase line and 67 KM of LT 1 line have been constructed and number of S/S were erected. The activities will continue in 1971-72 and it ^{is} proposed to construct a set of 33 KV, 11 KV, L.T. line etc. in the year 1971-72 also.

12. Rural Electrification:

During the year, 1970-71 2 Nos of Towns, 134 Nos. of villages including Tea Gardens were electrified and about 10 Nos of pump sets, energised. During 1971-72, 275 Nos of villages and tea gardens are proposed for electrifications for which construction activities were commenced.

A brief outline of the Draft Annual Plan 1972-73.

1. Umiam Hydro Electric Project Stage I (4x9 MW)

This project was commissioned in 1965. No allocation has been proposed for the scheme for 1972-73.

2. Umiam Stage -II (2x9 MW)

This Project was commissioned during the year 1970-71. No allocation has been proposed for this scheme during 1972-73.

3. Namrup Thermal Project (3x23 MW)

This project was commissioned in 1965. An amount of Rs 2.00 lakhs is proposed for deferred payments for fresh credit.

4. Garo Hills Thermal Project (2x.25 M.W)

The project is likely to be commissioned by March 1972. An allocation of Rs 2.00 lakhs is proposed for residual payments to contractors.

5. Gauhati Thermal Station (1x30 MW)

This Project is likely to be commissioned by June/July 1972. This An amount of Rs 9 lakhs is proposed for making various payments to contractors and suppliers which have to be continued in 1972-73 after commissioning of the Project.

6. Namrup Thermal Extension (1x30 MW)

The civil works are almost complete. Almost 90% materials of boiler have already been received at worksite and stored properly. Major construction activities for installation of equipments and auxiliaries will be done in 1972-73. An amount of Rs 100 lakhs is proposed for 1972-73 for making payments for various equipments and construction charges. The Project will be commissioned in 1974.

7. Gauhati Gas Turbine (1x12.5 MW)

To meet the immediate growth of load in the Upper Assam, it was decided to shift the 12.5 MW Gas Turbine set at Gauhati to Namrup with some modifications in the fuel injection system of the existing set. The set has been dismantled and transported to Namrup. The erection

work has been taken into hand departmentally. The schedule date of commissioning the set has been fixed towards the end of the 1972-73. An amount of Rs 31 lakhs is proposed during the year 1972-73 for the work.

8. Kyrdemkulai Hydro Electric Project (2x30 MW)

The Government of India approved the implementation of the Project at an estimated cost of Rs 924 lakhs and included the same for the execution in the Fourth Plan. Orders for the generating sets have been already placed with M/s. Bharat Heavy Electrical Ltd. and an amount of Rs 20.00 lakhs advanced to the firm. Works order for roads and buildings have already been issued, and the works order for the tunnel for connecting Kyrdemkulai - Nongmahir pondage will be finalised soon. Tenders for L.F. tunnel including surgeshaft and penstock and for concrete Dam and appurtenant works have already been invited. Apart ~~for~~ ^{from} construction of Roads and buildings which will be continued to 1972-73, the major works ~~will~~ likely to be in progress during 1972-73; viz., construction of tunnel connecting Kyrdemkulai and Nongmahir pondages, L.F. tunnel including surgeshaft and penstock, concrete ~~res~~ Dam and appurtenant work. An allocation of Rs 180 lakhs is proposed for the scheme during 1972-73.

9. 220 KV Gauhati - Nowgong line:

The line is expected to be ready by December, 1971. An amount of Rs 12.00 lakhs is proposed for 1972-73 for residual payments to the suppliers towards the payment of materials for the line and substation and construction expenditure for the substation at Samaguri.

10. 220 KV Samaguri Mariani Line :-

The survey works for the line was earlier conducted and an alignment for the proposed line has been already finalised. Orders for towers ~~is~~ and proposed to be placed, sometime towards the end of the year after profiling along the alignment is completed. Apart from procurement of line materials, construction works like casting tower foundations are likely to commence in 1972-73. An allocation of Rs 40.00 lakhs is proposed for 1972-73 for procurement of materials and construction charges.

11. 132 KV Badarnur Churaibari line:-

This line has already been completed.

12. Additional 60 KV & 132 lines:-

An allocation of Rs 10.00 lakhs is proposed mainly for the 132 KV Gossaigaon Sub-station to be constructed for meeting the loads of Dhubri, Bilasipara area, and power supply to West Bengal.

13. Sub-transmission, Rural Electrification and Normal Development Schemes.

A net work of distribution line throughout the State has been proposed for wider distribution of electrical energy. During 1972-73 electrification of about 330 villages is proposed. Moreover, strengthening and extension of existing lines, construction of staff quarters for better supervision of works etc. are also proposed during the year.

14. Investigation:

Apart from carrying out the routine observations of rainfall and discharge in prospective areas, Investigation works will be continued in Lower Umiam - Umkhen region and Kyrdenkulai investigation and in other prospective areas in 1972-73.

15. Acquisition of Licensees:

The assets of Tijsukia and Dibrugarh Licensees are presently being assessed. An amount of Rs 30 lakhs is proposed for taking over of these Licensees in 1972-73.

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State :- Assam.

DRAFT ANNUAL PLAN 1972-73 (General)
Plan outlays and Expenditure - Schemewise.

Statement-III
(Rs.in lakhs)

Sl No	Head/Sub-head-Scheme.	Estimated cost.	Actual expdr.in-curred up to the end of 1968-69	4th Plan outlay (69-74)			Actual expdr.		1971-72		1972-73		Foreign exchange.
				Total	Capital	Foreign	1969-70	1970-71	Appro ved outlay	Antici pated expdr	Total	Capital	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<u>III-IRRIGATION & POWER.</u>													
<u>III-2-POWER.</u>													
<u>A GENERATION SCHEME (CONTINUING)</u>													
			**										
1.	Umiam H.E. Project Stage I	1413.00	1813.36	19.00	19.00	-	17.80	0.20	1.00	1.00	-	-	-
2.	-do- Stage II	435.00	263.31	75.68	75.18	0.50	60.68	5.00	10.00	10.00	-	-	-
3.	Namrup Thermal Project(3x23 MW)	886.00	976.54	33.50	12.90	20.60	25.00	2.50	2.00	2.00	2.00	2.00	-
4.	Garo Hills Thermal Project(2x2.5MW)	205.00	186.80	31.65	29.65	2.00	15.65	5.00	7.00	7.00	2.00	2.00	-
5.	Gauhati Thermal Station (1x30 MW)	663.00	424.95	230.52	223.31	7.21	96.52	75.00	50.00	50.00	9.00	8.00	1.
6.	Namrup Thermal Extension (1x30MW)	549.00	18.00	514.10	511.10	3.00	86.10	138.00	100.00	100.00	100.00	97.00	3.
7.	Gauhati Gas Turbine (1x12.5 MW)	140.00	77.83	54.00	36.00	18.00	-	5.00	20.00	20.00	31.00	31.00	-
<u>NEW GENERATION</u>													
1.	Kyrdemkulai H.E.Project (2x30MW)	924.00	-	420.00	415.00	5.00	-	-	45.00	45.00	180.00	175.00	5.
<u>B. TRANSMISSION & DISTRIBUTION.</u>													
1.	220 KV Gauhati - Nowgong Line	222.66	110.78	113.86	113.86	-	31.86	60.00	10.00	10.00	12.00	12.00	-
2.	220 KV Samaguri - Mariani Line	373.00	-	188.00	188.00	-	-	-	10.00	10.00	40.00	40.00	-
3.	132 KV Badarpur - Ghuraibari Line	54.90	39.88	21.00	19.50	1.50	14.08	2.69	4.23	4.23	-	-	-
4.	Additional 132 KV & 66 KV Line	-	14.76	38.23	38.23	-	18.46	-	9.77	9.77	10.00	10.00	-
5.	33/11 KV Sub-Transmission	-	381.34	481.10	481.10	-	141.04	135.31	150.00	150.00	35.00	35.00	-
<u>C.RURAL ELECTRIFICATION.</u>													
		-	-	600.00	600.00	-	60.00	90.00	150.00	150.00	150.00	150.00	-
<u>D.INVESTIGATION AND MISCELLANEOUS.</u>													
1.	Investigation and Research	-	125.17	48.52	48.52	-	21.52	12.00	5.00	5.00	5.00	5.00	-
2.	Normal Dev.including Namrup Grid Augmentation.	-	-	390.84	390.84	-	128.84	90.00	100.00	100.00	100.00	100.00	-
3.	Acquisition of Licenses.	-	-	79.00	79.00	-	-	9.00	35.00	35.00	50.00	30.00	-
TOTAL:-		5865.56	4432.72	3339.00	3281.19	57.81	717.55	**627.70	709.00	709.00	706.00	697.00	9.

**Provisional figure.

State - Assam.

DRAFT ANNUAL PLAN FOR 1972-73 (General Areas)
Important projects costing Rs 5 crores and above.

Statement -IV.

Sl No	Head of Development	Total Estimated cost.	4th Plan Outlay (69-74)			Total Expendr. upto 1968-69.	Actual Expenditure.			1971-72		1972-73 outlay.		
			Total	Capital	Foreign exchange.		1968-69	1969-70	1970-71	Approved outlay	Anticipated Expendr	Total	Capital- Foreign exchange.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	Namrup Thermal Project (3x23 MW)	886.00	33.50	12.90	20.60	852.50	3.07	25.00	2.50	2.00	2.00	2.00	2.00	-
2.	Gauhati Thermal Project (1x30 MW)	663.00	230.52	223.31	7.21	424.95	147.41	96.52	75.00	50.00	50.00	50.00	8.00	1.00
3.	Namrup Thermal Project (1x30 MW)	549.00	514.10	511.10	3.00	18.00	18.00	86.10	138.00	100.00	100.00	100.00	97.00	3.00
4.	Umiam H.E. Project Stage - I.	1413.00	19.00	19.00	-	1813.56*	17.41	17.80	0.20	1.00	1.00	-	-	-
5.	Kyrdemkilai H.E. Project (2x23 MW)	924.00	420.00	415.00	5.00	-	-	-	-	45.00	45.00	130.00	175.00	5.00

* Subject to adjustment. ⁵ Portion of this figure is transferable to other schemes.

Check list in respect of principal project costing Rs 5 crores and above.

1. Name of project with brief description and location - Namrup Thermal Project Extension (1x20 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.
 - (b) Revised cost ... Foreign Exchange
 - (c) Outlay and expenditure:- ... Total Foreign Exchange.

EXPENDITURE upto 1968-69		Outlay approved 1969-74		Expenditure				1971-72				Proposed outlay 1972-73	
Total	F.E.	Total	F.E.	Total	FE	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
18.00	-	514.10	3.00	86.10	-	138.00	-	100.00	-	100.00	-	100.00	3.00

Programme of output/benefits.

Item	Unit	Progress upto 1968-69	Target for Fourth Plan	Achievement		Anticipated progress 1971-72	Target for 1972-73
				1969-70	1970-71		
Steam Turbine Stn.	1x30 mw.	Orders for power plant equipment have been placed with M/s. H.E. India, Bhopal and B.E.E.L. Tinichi	Erection and Commissioning	Overall 80% completed.	Overall 27% completed.	30%	The project is schedule for completion towards the end of the year 1972-73.
	permanent	Tenders for construction of buildings have been finalised.					

6. Employment Data (Mandays)

(a) Labour requirements during the construction phase

	<u>Skilled personnel</u>		<u>Unskilled</u>
	<u>Technical</u>	<u>Non-Technical</u>	
	<u>Degree</u>	<u>Diploma *</u>	<u>Others (including technical trade certificate holders)</u>
1969-70			
1970-71			
1971-72	13	14	187
1972-73	13	14	187
End of the Fourth Plan			

(b) Estimated requirements of labour during the operation/maintenance phase:-

	<u>Skilled personnel</u>		<u>Unskilled</u>
	<u>Technical</u>	<u>Non-Technical</u>	
	<u>Degree</u>	<u>Diploma *</u>	
1971-72			
1972-73	11	18	222
End of the fourth plan			

Completion of all phases of projects.

Chief list of principal project costing Rs 5 crores and above.

1. Name of Project with brief description and location - Gauhati Thermal Project (1x30MW) at Chandrapur, 16 miles from Gauhati.
2. Commencement
3. Estimated Date of completion
4. Cost estimate and outlays

- (a) Approved cost ... Total Rs 663.00 lakhs.
- (b) Revised cost ... Foreign exchange Rs. 200.00 lakhs
Total Foreign Exchange.
- (c) Outlay and expenditure:-

Expenditure upto 1968-69		Outlay approved 1969-74		Expenditure				1971-72				Proposed Outlay 1972-73	
Total	F.E.	Total	F.E.	1969-70		1970-71		Outlay approved		Anticipated expdr.		Total	Foreign Exchange.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
424.95	200.00	230.52	7.21	96.52	-	75.00	-	50.00	-	50.00	-	9.00	1.00

Programme of output/benefits.

Item	Unit.	Progress upto 1968-69	Target for Fourth Plan.	Achievement		Anticipated progress 1971-72	Target for 1972-73
				1969-70	1970-71		
1	2	3	4	5	6	7	8
Steam Turbine Stn.	1x30 MW.	Machinery received at site and construction of power house etc. is in progress. Store buildings superstructure completed. About 10% of approach road to Power House completed.	Erection and commissioning	Overall 53.50% completed.	Overall 81.75% completed.	The project is schedule for completion in June/July/1972	

Statement V Continue.

6. Employment Data (Mandays)

(a) Labour requirements during the construction phase

	<u>Skilled personnel</u>			<u>Unskilled</u>
	<u>Technical</u>	<u>Non-Technical</u>		
	Degree	Diploma	* Others (including technical trade certificate holders)	
1969-70				
1970-71				
1971-72	20	17	87	
1972-73	20	17	87	
End of the Fourth Plan				

(b) Estimated requirements of labour during the operation/maintenance phase:-

	<u>Skilled personnel</u>			<u>Unskilled</u>
	<u>Technical</u>	<u>Non-Technical</u>		
	Degree	Diploma	*	
1971-72				
1972-73	11	18	222	
End of the fourth plan				
Completion of all phases of projects.				

State - Assam

DRAFT ANNUAL PDAN 1972-73.

Statement -V.

Check list in respect of principal project costing Rs 5 crores and above.

1. Name of project with brief description and location Kyrדם Kulai Hydro Electric Project (2x30 mw)
2. Commencement 1971
3. Estimated Date of completion
4. Cost estimate and outlays

- (a) Approved cost Total Rs 924.00 lakhs
Foreign exchange
- (b) Revised cost Total
Foreign exchange.
- (c) Outlay and expenditure:-

Expenditure upto 1968-69		Outlay approved 1969-74		Expenditure 1971-72				Proposed Outlay 1972-73					
Total	FE	Total	FE	1969-70		1970-71		Outlay approved		Anticipated exch.			
				Total	FE	Total	FE	Total	FE	Total	Foreign Exchange.		
-	-	420.00	5.00	-	-	-	-	45.00	-	45.00	-	180.00	5.00

Programme of output/benefits

Item	Unit	Progress upto 1968-69	Target for Fourth Plan	Achievement		Anticipated progress 1971-72	Target for 1972-73
				1969-70	1970-71		
1	2	3	4	5	6	7	8
Water Turbine	2x30 Mw	-	-	**	**	Works for tunnels concrete Dam etc. invited some tenders under process and finalisation.	Works on tunnels dams excavated of P.H. build will be done.
				**Generating sets ordered Tenders for construction of roads, buildings etc. invited other preliminary works.	Works for tunnels		

Statement -V Contd.

6. Employment Data (Mandays)

(a) Labour requirements during the construction phase

	<u>Skilled personnel</u>		<u>Unskilled</u>
	<u>Technical</u>		
	Degree	Diploma	
1969-70			
1970-71			
1971-72	10	10	
1972-73	22	44	
End of the Fourth Plan			

(b) Estimated requirements of labour during the operation/maintenance phase:-

	<u>Skilled personnel</u>		<u>Unskilled</u>
	<u>Technical</u>		
	Degree	Diploma	
1971-72			
1972-73			
End of the Fourth Plan			
Completion of all phases of projects.			

Check list in respect of principal project costing Rs 5 crores and above

1. Name of project with brief description and location Namrup Thermal Project (3x23 mw) at ^{Parbatpur,} ~~Parbatpur,~~ Namrup.
2. Commencement 1960
3. Estimated Date of completion Completed
4. Cost estimated and outlays Total - Rs 886.00 lakhs.

(a) Approved cost

(b) Revised cost

(c) Outlay and Expenditure :-

Expenditure upto 1968-69		Outlay approved 1969-74		Expenditure 1969-70 1970-71			Approved outlay 1971-72			Anticipated expdr. 1972-73			Proposed outlay 1972-73		
Total	FE	Total	FE	Total	FE	Total	FE	Total	FE	Total	FE	Total	Foreign	Exchange.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
976.54	-	33.50	20.60	25.00	20.60	2.50	2.00 2.00	-	2.00	-	-	2.00	-	-	

Programme of output/benefits

Item	Unit	Progress upto 1968-69	Target for Four Plan	Achievement 1969-70	1970-71	Anticipated progress 1971-72	Target for 1972-73
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1. Steam turbine Stn. 3x23 Mw.

Completed project

State - Assam.

DRAFT ANNUAL PLAN 1972-73

Statement - V.

Check list in respect of principal project costing Rs 5 crores and above.

1. Name of project with brief description and location Umiam H. E. Project Stage -I.
2. Commencement 1960
3. Estimated Date of completion
4. Cost estimate and outlays

- (a) Approved cost Total Rs 1413.00 lakhs.
Foreign Exchange
- (b) Revised cost. Total
Foreign Exchange
- (c) Outlay and expenditure:-

Expenditure upto 1968-69	Outlay approved 1968-69		Expenditure				1971-72				Proposed outlay 1972-73	
	Total	FE	1969-70		1970-71		Outlay approved		Anticipated expdr.		Total	Foreign exchange
			Total	FE	Total	FE	Total	FE	Total	FE		
1813.36	-	19.00	-	-	17.80	0.20	-	1.00	-	1.00	-	-

Programme of output/benefits

Item	Unit	Progress upto 1968-69	Target for Fourth Plan	Achievement 1969-70	1970-71	Anticipated progress 1971-72	Target for 1972-73

Completed Project.

DRAFT ANNUAL PLAN 1972-73
PHYSICAL TARGET AND ACHIEVEMENT

Statement-VI.

Sl No	Item	Unit	Achievement	Fourth Plan	Achievement		1971-72		1972-73
			1968-69	Target 1969-74	1969-70	1970-71	Target	Anticipated achievement	Proposed Target.
<u>POWER</u>									
1.	Installed capacity	MV	153	236	153	171	206	171	206
2.	Electricity generated	KWH	236	659	309.50	359.50	470	430	508
3.	Electricity sold	KWH	175.71	543	251.50	288.50	390	350	402
4.	<u>Rural Electrification</u>								
(a)	Villages electrified village T.E.	Nos	177	905	230	340	275	207	330
(b)	Pump set energised by electricity	Nos	40	1479	2	342	430	430	377
(c)	Tube wells energised by electricity	Nos	-	-	-	-	-	-	-

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