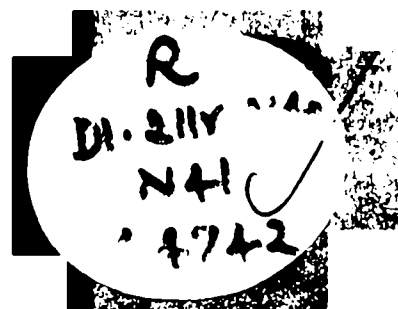


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Administration Report of
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Immigration Branch for
the year 1940-41



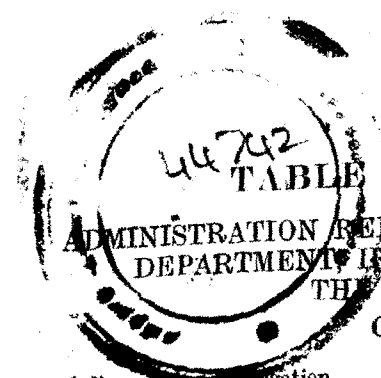


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PUBLIC WORKS DEPARTMENT, MADRAS PRESIDENCY

ADMINISTRATION REPORT FOR THE YEAR 1940-41

PART II—IRRIGATION

Chapter I.

A BIRD'S-EYE VIEW OF IRRIGATION IN MADRAS PRESIDENCY.

Anyone that knows the large deltas in the Presidency will realize what a difference to their wealth and prosperity irrigation has made. Agriculture which is dependent on irrigation is the main industry of India at any rate of the East Coast of the Madras Province and it must continue to hold the premier place; all other industries are dependent, in a final analysis, on agriculture. If the ryot is prosperous and his purchasing capacity is improved other industries and the country generally are prosperous. If the ryot is poor, the country is poor and the money that is required to ensure the prosperity of other industries will not circulate.

A brief summary of the irrigation systems in the Presidency is given below.

In the Circars, we first have in the extreme north of the Presidency, the Bahuda river and Padmapuram gedda irrigating an extent of about 6,000 acres; next the Chicacole Minor Rivers system comprising a number of channels taking off from the rivers Vamsadhara and the Langulya and also the hill stream Garibulagedda and irrigating about 63,000 acres. The Nagavalli system irrigates the largest area in Vizagapatam district. By means of a regulator across the river at Thotapalli sufficient water is diverted through a main canal and its branch channels to irrigate roughly 28,000 acres. The project was completed in 1909 and has been of great benefit to the ryots. In the southern portion of the Vizagapatam district, there are again a number of channels taking off from the Varaha and the Sarada rivers. The former system irrigates about 18,000 acres and the latter 9,000 acres.

The next is Godavari delta. To those who have not the local knowledge the fact that the value of the crops now grown annually in this delta is several crores will convey a very meagre idea of the benefits of irrigation. The Godavari ryots have recently erected

at Dowlaishwaram, Bobberlanka and Chettipetta statues to commemorate the memory of Sir Arthur Cotton, the originator of the scheme, and by doing so have shown their appreciation of what he has done for the district by conveying the life-giving fluid to their lands. Roughly one million acres are irrigated by the net work of canals and channels thousands of miles long, the value of the crops grown annually exceeds five crores. The canals have been designed not only for irrigation but also for navigation. Sixty locks have been built and more are being considered. About 400 miles of canals are navigable for boats up to 90 tons capacity and the major part of the exports and imports from and to the delta is conveyed by boat. That this connected system of navigation has helped a great deal to the prosperity of the Godavari and Kistna ryots will be appreciated when it is stated that the cost of transport to Madras by water is only one-eighth to one-tenth of cost of transport by cart or other means. For instance, for the same price export (Cocanada and Negapatam) of rice, the prices at Rajahmundry and Tanjore respectively are only 6 pies and 4 ainas respectively per bag, less than the price ex-port, even though both are at the same distance from the port: while water transport is available in the one case, it is not in the other. By means of the Godavari and Kistna canals and the Buckingham canal one can go by boat from Madras to Cocanada, a distance of 400 miles, and from Rajahmundry one can continue the journey by boat beyond Bhadrachalam right up to the Central Provinces, a further distance of 188 miles.

The next is the Kistna delta. A few extracts from Walch's History of the Kistna delta will not be out of place:—

"In 1832-33 a terrible famine devastated a great part of the Madras Presidency. Through the very heart of the area where the distress was greatest and human beings were dying by hundreds of thousands, because their crops had failed from drought, the Kistna and Godavari rivers were rolling down enormous quantities of water to the sea.

In Guntur district, lying on the right side of the river, part of which is known as the 'Western delta' not less than 200,000 persons perished 'by starvation' and by the fever which followed famine whilst condition on the other side of the river in what is known as the 'Eastern delta' can be realized from the following quotation: 'The Europeans throughout the country have subscribed liberally to feed as many of the poor starving wretches as possible, and by this means tens of thousands are daily fed in Masulipatam alone. But ten times that number are still famishing and hundreds die daily, literally of starvation. The swamp around the fort is found each morning strewn with the bodies of those who have died during the night; although a strong body of police are constantly employed in collecting the dead and throwing them into a

huge pit prepared for the purpose, they cannot succeed in keeping the ground clear, and numbers of bodies are left to be devoured by dogs and vultures.

The description in the 'Siege of Corinth' of the dogs gnawing human skulls is mild compared to the scenes of horror we are daily forced to witness in our morning and evening rides."

He adds some further and even more gruesome details.

The recurrent famines and the devastating losses they caused set the Government of the day thinking and they resolved to push forward the Godavari and Kistna projects. At Bezvada in Kistna district an anicut across the Kistna was built in 1855 (shortly after the Dowlaishwaram anicut). The anicut diverts water through a network of canals and channels to irrigate 857,000 acres in Kistna and Guntur districts. The Kistna canals are also navigable and the greater part of the trade of the deltaic portions of the two districts is carried on by boats. Our Godavari and Kistna projects are probably the most beneficial and most successful irrigation schemes ever executed by any Government in the world. They have improved the condition of the people of the districts beyond the highest expectations of their originator, while the return on the capital invested in building them has sufficed not only to maintain and keep the systems up to date but has provided a continuous source of revenue which has enabled Government to initiate other projects, far less attractive financially in less favoured districts.

Leaving the rich districts of Guntur and Kistna and coming down to Nellore, we meet a dry and barren district but advantage has been taken of any facilities that exists for extending irrigation. Near the sea coast, the rainfall is generally favourable, and with the addition of some extra water, supplied by means of irrigation, excellent crops are grown. Nellore rice is famous for its quality. Two anicuts across the Pennar, divert water to the Kanigiri and Survepalli reservoirs and about 166,000 acres of paddy are cultivated under them annually. Further, inland, the Mopad reservoir built in 1921 as a famine-protective work, has fulfilled the purpose for which it was intended.

It should be stated here that we have till now utilized only 6 per cent of the annual flow of the Godavari and 7 per cent of the annual flow of the Kistna and we are still a great way from utilizing the large quantity of power and irrigation that flows to the sea.

Leaving Nellore we shall divert from our course for a few moments and strike west and north-west to have a glimpse at Cudapah, Kurnool, Bellary and Anantapur districts. These districts known as "Rayalaseema" are in the famine zone and are periodically liable to failure of rain and consequent shortage. Irrigation in Rayalaseema is by the very nature of the case difficult. Rainfall with its consequential river and stream flow is the first requirement for a successful irrigation scheme and when rain fails in the locality

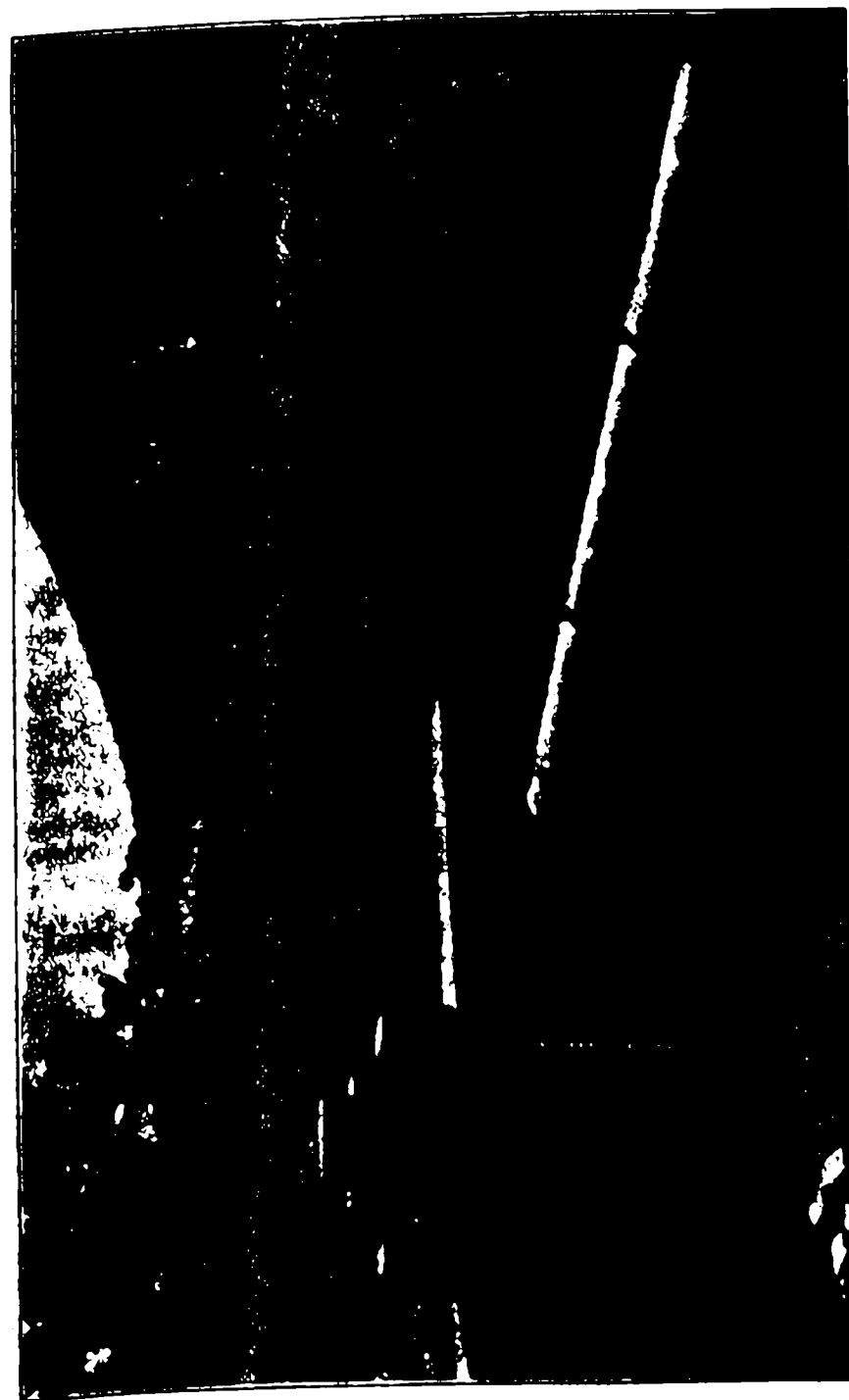
we propose to benefit, we must look to some external source, for example, a river whose main catchment area is outside the districts liable to failure, for supply. Local schemes in Rayalaseema must, generally speaking, be of doubtful utility. In addition to a deficient rainfall there is the difficulty of not knowing exactly how the heavy black cotton soils very prevalent in Rayalaseema will respond to systematic irrigation. The Kurnool-Cuddapah canal which flows through a black cotton belt has not been successful though in years of deficient rainfall its water is eagerly sought for by the ryots for their crops. Problems connected with the Tungabhadra are now being closely studied and it is the earnest desire of Government to initiate this most important project at the earliest possible moment.

South from Nellore we come to Chingleput where there are no major irrigation schemes, but 225,622 acres are irrigated by tanks of which there are 653. The district is peculiarly suited to tank irrigation: rainfall is generally favourable and the topography of the district favours this method of irrigation.

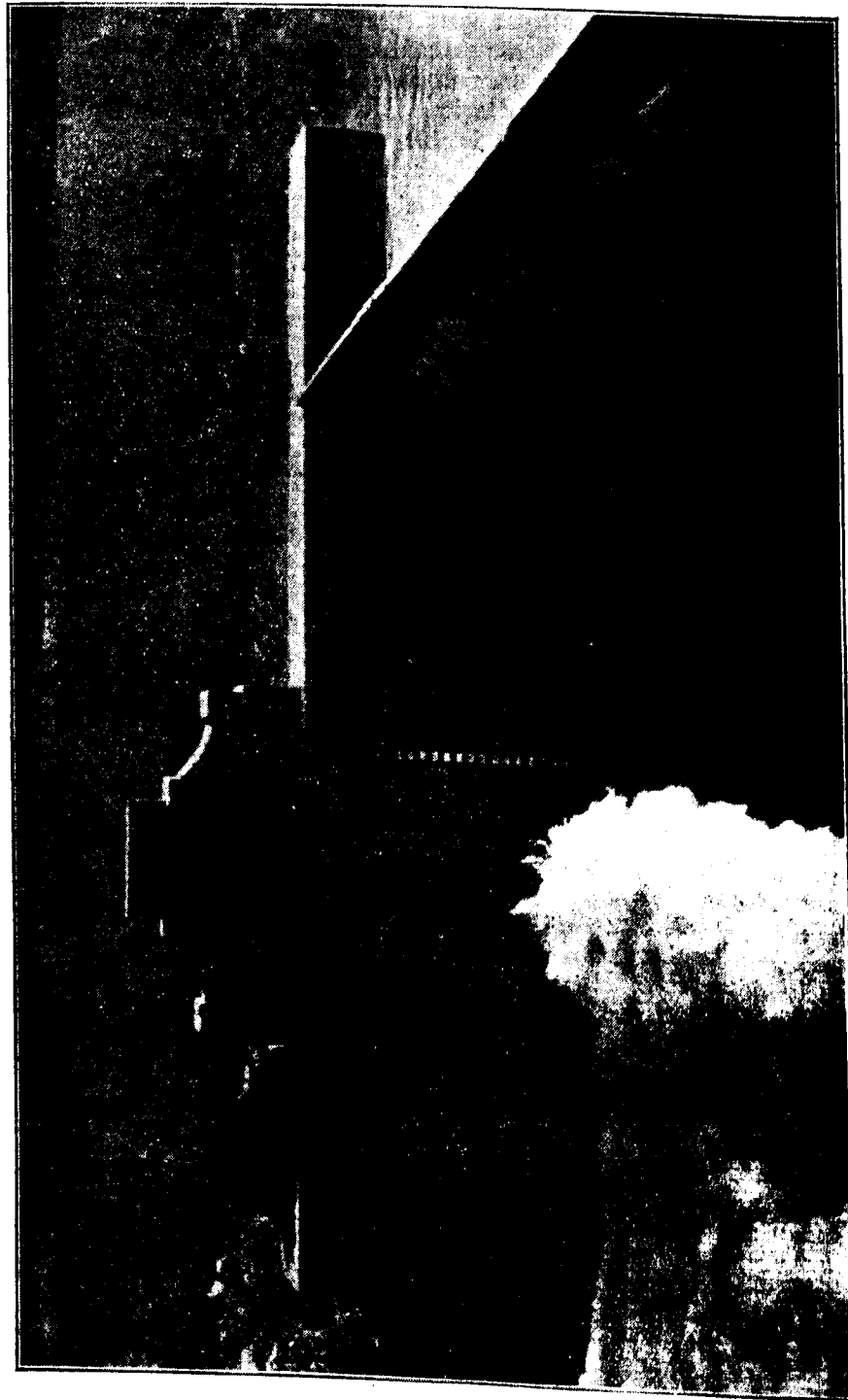
In South Arcot district also there is a large number of tanks which irrigate 101,242 acres. In addition, advantage has been taken of the fact that the district is traversed by two fairly large rivers, the Ponnai and the Vellar. An anicut across the Ponnai at Tirukkoyilur diverts sufficient water for 28,000 acres. Regulators combined with road bridges have been built across the Vellar at Toludur and Shatiatope, the former diverts water to Willingdon reservoir which irrigates 17,000 acres and the ayacut is still expanding, the latter diverts water through the Vellar Rajan channels and its branches to irrigate about 33,000 acres between Cuddalore and Porto Novo. Coleroon water is diverted at the lower anicut to irrigate 110,000 acres in Chidambaram. Besides there are two anicuts, Vriddhachalam and Mehamattur across Manimuthanadi, a branch of the Vellar, which irrigate 9,300 and 4,800 acres respectively.

Deviating from the southerly course for a few moments we meet North Arcot, Salem and Coimbatore districts. The Palar river which rises in Mysore is the main feeder for North Arcot. Water is diverted through a series of canals and channels by the Palar anicut, fifteen miles from Vellore, to irrigate 80,000 acres. The district had many old tanks which have been retained and which now form an essential part of the system. Flow in the Palar is intermittent and in the old tanks the flood flow of the river is stored, which without tanks would be wasted over the anicut. The Poiney anicut in the same district irrigates 22,000 acres. The Cheyyar anicut also in the same district irrigates about 22,000 acres.

Salem district is not particularly favoured by nature. The largest irrigation scheme in it is Barur. An anicut across the Ponnai diverts water to the Barur reservoir which irrigates about 4,500 acres. The district depends mainly on tanks, many of which get a supply over and above that contributed by their own



EXPERIMENTAL MODEL OF THE PROPOSED DAM ACROSS THE TUNGABHADRA RIVER



EXPERIMENTAL MODEL OF THE PROPOSED DAM ACROSS THE TUNGABHADRA RIVER (WITH WATER OVERFLOWING)

catchments through channels taking off from anicuts built across adjacent streams. Though Mettur reservoir is in the district it has not been possible owing to very unfavourable conditions to devise any scheme to benefit Salem from this source. The Cauvery channels in Namakkal taluk irrigate 7,000 acres of very rich and fertile lands.

Coimbatore district depends mainly on the Bhavani which irrigates at present a large area of paddy. There are in addition several tanks and the waters of the Chitrachavadi, Noyel and Amaravathi are also utilized to the greatest extent possible by means of anicuts.

Continuing the southerly route from South Arcot, Tanjore is reached. Irrigation of about 7.8 lakhs of acres has been practised in Tanjore for centuries and with the modern works recently built, the ayacut now is about 9 lakhs of acres. The Cauvery-Mettur Project completed in 1934 is intended to ensure supply to the old delta as well as to extend irrigation by 300,000 acres in Pattukottai. Tanjore is by nature a specially favoured district and everything has and is being done to increase its prosperity. The benefits of Mettur reservoir to landholders in Tanjore delta are manifold. The reservoir protects the Tanjore ryots from flood damage due to Cauvery floods in the south-west monsoon and prevents drainage congestion. It secures to the ryots the benefits of early supplies in June and ensures steady and regular flow throughout the irrigation season.

Trichinopoly district, like Tanjore, depends mainly on the Cauvery for its irrigation and prosperity. Many channels take off directly from the river to irrigate 135,000 acres of fertile valuable lands.

Madura benefits mainly from the Periyar Project. A dam built across the Periyar river in Travancore holds up water in the Periyar lake and a tunnel, 5,700 feet long, conveys this water to the Vaigai valley and thence to Madura. One hundred and thirty-three thousand acres roughly are irrigated by the Periyar Project. The difference that this scheme has made to the prosperity of Madura district is enormous. The chief merit lies in its social effects on the population of the district. The Kallars and Maravars whose habits of life were none too helpful to the society have now settled down in peace and prosperity to tilling land and adding to the wealth of the nation.

Tinnevely district, which adjoins Madura, depends mainly on the Tambraparni river across which several anicuts have been built to irrigate about 75,000 acres. The irrigated portion of Tinnevely is noted for its fertility and the Tinnevely ryots for their industry.

In Tinnevely the Papanasam hydro-electric scheme including a dam 170 feet high on the Tambraparni is in progress. Though the reservoir is formed mainly for power, it will benefit irrigation.

Tank irrigation is of the greatest importance especially in our Presidency where 2,500,000 acres are irrigated under tanks. Similarly well irrigation is another most important source of fertility which is responsible for irrigation of about 1,500,000 acres. Attempts are being made to extend well irrigation by means of electric pumps in suitable areas.

The diagram on page 7 shows the total area irrigated (i) by productive and unproductive major systems, (ii) by minor works in charge of Public Works Department and Revenue, and (iii) by wells, figures for which are available only from 1930.

Chapter II.

BRIEF DESCRIPTION OF IMPORTANT IRRIGATION AND NAVIGATION WORKS.

The Cauvery Delta System.—The Cauvery rises in Coorg and flows for a considerable distance over the Mysore plateau. It then drops into the plains of Madras at the Hoginkal or Megadatu falls. The chief tributaries of the river are the Hemavathi, Lakshmana-thirtha and Kabbini in Mysore and the Bhavani (rising on the Nilgiris) in Madras. The river benefits by the south-west and north-east monsoons and irrigates a large area in Mysore before it enters Madras. There are two big reservoirs on the river the Krishnarajasagara near Mysore and the Stanley reservoir near Salem. Hydro-electric power is developed at Sivasamudram and at Stanley Dam at Mettur by utilizing the natural fall of the river. The Cauvery is 500 miles long and drains 31,000 square miles.

The Cauvery delta system is of great antiquity dating back to the ancient Hindu kings of Tanjore said to be about the second century B.C. The delta begins at the head of the Srirangam Island where the river divides into two, the right arm called the Cauvery carrying irrigation supplies and the left arm, the Coleroon being the flood carrier. There is a barrage with lift shutters—the Upper Anicut—across the Coleroon at its head to divert requisite supplies to the Cauvery over the Cauvery Dam.

About 20 miles below the Cauvery Dam is the Grand Anicut, an ancient masonry anicut built across a by-pass from the Cauvery into the Coleroon, below the Srirangam Island. This anicut, intended to hold up and divert the normal flow of the Cauvery to the rivers supplying Tanjore delta, was converted into a regulator with lift shutters to permit effective disposal of surplus from the Cauvery and for passing supplies to the Lower Coleroon Anicut system.

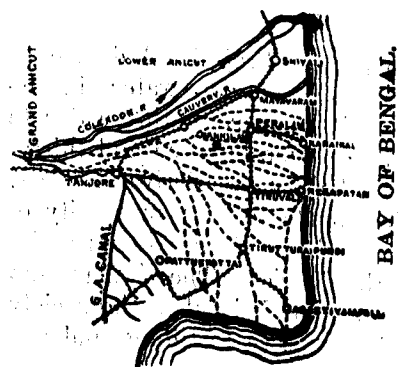
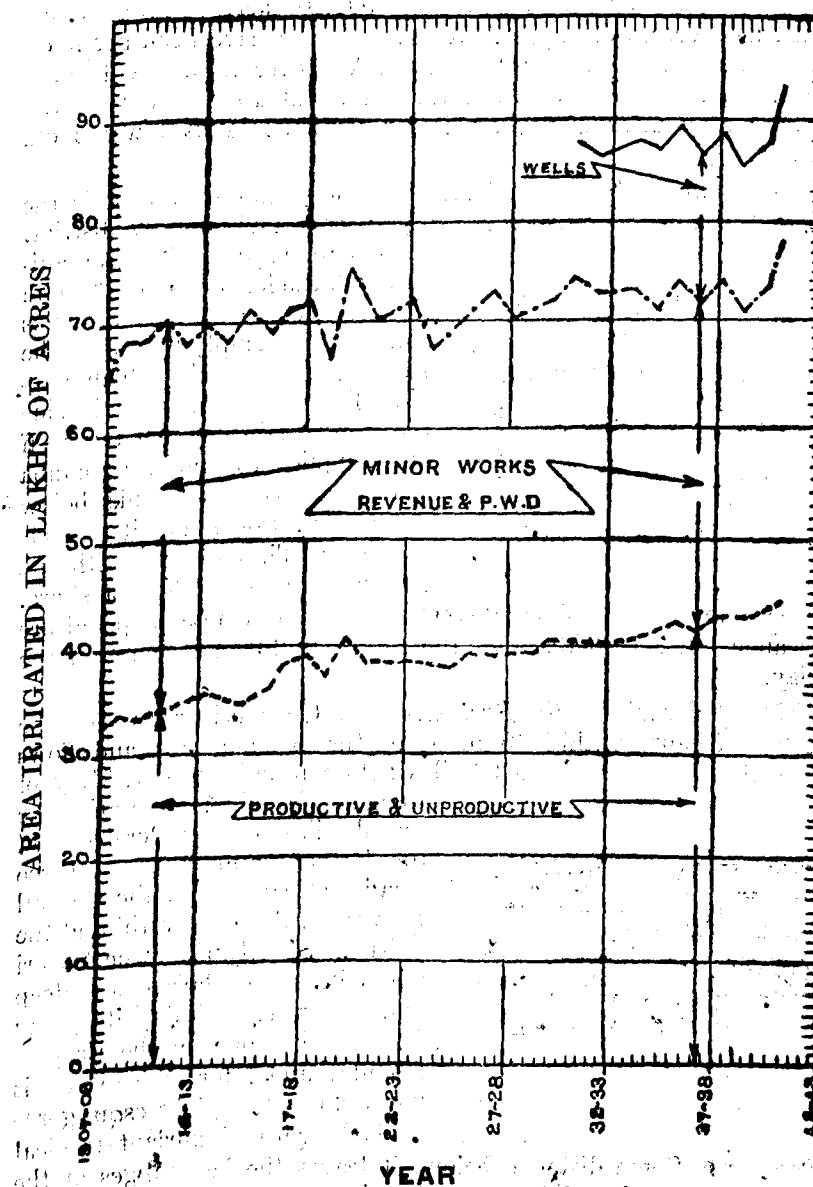


DIAGRAM SHOWING THE AREA IRRIGATED IN MADRAS



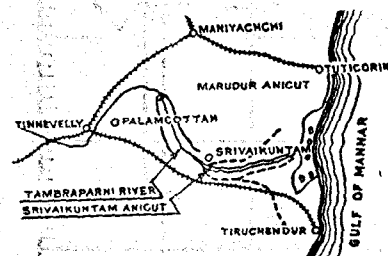
At the Grand Anicut, the Cauvery branches into the Cauvery and the Vennar, which in turn throw off a number of branches and irrigate the fertile lands of the Tanjore delta, the well-known "Granary of South India." The New Grand Anicut canal of the Cauvery-Mettur Project also takes off at this point.

The delta is long, fertile and level, some 2,000 square miles in area with a seaboard over a hundred miles long extending from Point Calimere towards the south to as far north as Porto Novo and some distance beyond to Cuddalore. It is served with a network of rivers and channels controlled by several regulators.

Many of the smaller rivers of the delta function both as irrigation as well as drainage channels.

The irrigated area in the delta is 900,000 acres yielding crops valued at 6 crores of rupees. About 83 lakhs have been spent on improvements since the system was taken over from the Tanjore Kings. The system yields a return of about 10 per cent on the capital outlay after giving credit for some 55 lakhs towards old revenue.

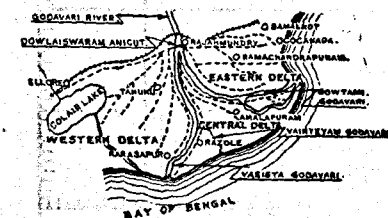
Srivaikuntam Anicut System.—The Srivaikuntam anicut is the last of the anicuts across the Tambraparni in Tinnevely district.



Two channels take off at the anicut. On the left is the north main channel feeding a series of tanks and finally emptying into the Korumpallam tank, which supplies Tuticorin. On the right side the south main channel takes off and supplies the large Kadamba tank and a series of tanks below it and irrigation under it extends as far as Tiruchendur with its famous temple on the sea shore.

The system irrigates about 26,000 acres. The capital expenditure was about Rs. 18 lakhs and the return is 2.95 per cent on the outlay.

The Godavari Delta System.—The Godavari rises in the Western Ghats within 50 miles of the Arabian Sea and flows across the Peninsula for 900 miles before it falls into the Bay of Bengal.



Its chief tributaries are the Manjira from Hyderabad and the Pranahita made up of three smaller streams from the Central Provinces, the Indravathi and the Sabari. Shortly after the Sabari joins it, the Godavari now deep and narrow, winds its way through the spurs of the Eastern Ghats and for 2 miles it flows through a picturesque gorge clothed with luxuriant tropical

vegetation. Some distance below, it leaves the last ranges of the Ghats, enters the plains at Polavaram and flows onward as a broad and shallow river until some distance below Rajahmundry where it divides into two main branches, the Gautami and the Vasista Godavari rivers. Between the two arms lies the central delta, while the eastern and western deltas lie to the east and west of the two arms respectively. The two arms split up into branches, as they approach the sea, dividing the central delta into a number of islands. The river drains about 115,000 square miles and carries $1\frac{1}{2}$ million cubic feet per second in very high floods.

Prior to 1840, the Godavari district was frequently the scene of bad famines. In 1832-33 a terrible famine ravaged the district and the calamitous famine of 1840-41 followed after some more bad years. The recurring famines, the decreasing population and the dwindling revenue spurred the Government into action and Major Cotton (later Sir Arthur Cotton) who had just then completed great improvements in Tanjore, proposed the construction of an anicut across the Godavari at Dowlaishwaram with three canals, one for each of the three deltas. The works were sanctioned almost immediately and carried out expeditiously under his guidance. It is to the genius, keenness and intrepidity of Sir Arthur Cotton, that Madras owes these monumental works unprecedented both as to type and magnitude and which have proved to be a veritable gold mine.

The Godavari anicut system consists of an anicut and three main canals irrigating three deltas. The anicut is in four sections, linking the islands in the broad river, the Dowlaishwaram section 4,839 feet long, the Ralli section 2,859 feet long, the Maddur section 1,550 feet long, and the Vizeswaram section 2,601 feet long. It was subsequently found necessary to raise the anicut slightly and fit up falling shutters, 2 feet high on the crest. In 1935, the two-foot shutters were replaced by three-foot shutters. These shutters which fall automatically during floods are lifted as the flood subsides by means of a power-operated plough, so as to maintain the requisite water level in the river.

The headworks of the canals consist of a head sluice, an under-sluice and a head lock for each of the three deltas. The eastern delta is about 450 square miles, the central delta 500 square miles, while the western delta about 1,000 square miles in extent stretches down to the Collair lake.

In the eastern and western deltas, the Samalkota and Ellore canals define the limits of irrigation to the areas enclosed between them and the river Godavari. They also form the link between Cocanada port and Ellore town where the (Kistna) Ellore canal of the Kistna system joins the (Godavari) Ellore canal. The central delta particularly the "Nagaram" island, is the "Garden of the Godavari district" and is noted for the Gannavaram aqueduct which was completed in about eight months in the fifties of the last century, a remarkable feat due to Captain Orr. The Polavaram aqueduct at Annampalli is a similar recent construction to irrigate Polavaram Island.

The river and its branches are banked throughout to protect the deltas from the floods.

The canal system in all the deltas is navigable throughout its length for 11 months in the year and carries annually cargo valued at nearly Rs. 13.74 crores and about Rs. 1.23 crores worth of timber in addition to the passenger traffic of over a million passengers.

The canals irrigate about 816,000 acres but the total area irrigated in a year including the second-crop area is over a million acres. The value of crops grown is over Rs. 7.74 crores. The capital expenditure on the system was about Rs. 1.90 crores and the return is 18.32 per cent.

Pennar River Canals System.—The system consists of two anicuts, one at Sangam and the other at Nellore. Two canals take off at the Sangam anicut on the left, one to feed the Duvvur tank and the other the large Kanigiri tank, one of the largest tanks in the Circars. Another channel taking off at right side of the anicut feeds the Nellore tank. At the Nellore anicut, about 20 miles downstream of Sangam, a canal takes off on the right and feeds a number of tanks the largest of

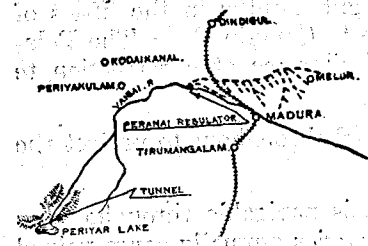
which is the Sarvapalli tank. The Sangam anicut has recently been raised by 1 foot and with Nellore anicut fitted with two-foot falling shutters 2 feet high. The system irrigates about 166,000 acres, the capital expenditure was Rs. 70 lakhs and the return is 8 per cent.

The Shatiatope Anicut System.—The system is a combined tank and canal system served by the Vellar Rajan Channel taking off from the Shatiatope anicut across the Vellar. The old anicut was converted into a bridge and regulator fitted with lift shutters about 1906. The system irrigates about 33,000 acres in South Arcot district and irrigation extends almost as far east as Cuddalore. The Perumal tank is one of the largest tanks and is the terminal tank of the system. The capital expenditure on the system was about Rs. 11 lakhs and the return is about 8 per cent.

The Periyar System.—The main feature of the Periyar system is the diversion across the Peninsula into the Bay of Bengal of a large river which nature had ordained should flow into the Arabian

Sea. A huge dam across an inaccessible gorge in Travancore about 3,000 feet above sea level, in malaria-ridden jungle forms a picturesque lake in the hills with a useful capacity of about 9,800 million cubic feet. The project is due to the genius of Colonel Pennycuik. The dam is of concrete with a masonry facing on

the lake side about 170 feet high above the river-bed at the deepest point. A tunnel 5,700 feet long has been bored through the ridge on the east to carry



the waters of the lake to the plains of Madura. The water flows into the Surulaiyar, a tributary of the Vaigai and after irrigating about 12,700 acres in the Surulaiyar valley, is again picked up at the Perai-nai regulator across the Vaigai about 80 miles downstream of the tunnel and diverted into the Periyar main canal about 35 miles long. The system irrigates 133,000 acres in Madura district. The capital expenditure on the system was about Rs. 108 lakhs and the return is about 4.8 per cent.

The Kistna Delta System.—The Kistna rises in the Western

Ghats near Mahabaleswar some 4,000 feet above sea level and runs southwards through Bombay Presidency for some distance before it turns east into Hyderabad and receives the Bhima. Further down the Tungabhadra joins it and from here the river is for a considerable distance the boundary between Madras and Hyderabad. The last important tributary to join is the Musi. The river

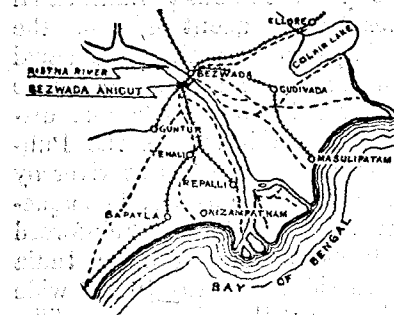
after flowing through a narrow gorge in the Nallamalais enters the plains of the Coromandel coast studded with hills. The last of these hills is at Bezwada where the river flows between two of them hardly 6 furlongs apart. Stretching away on both sides of the river beyond Bezwada lie the two sections of the delta, the eastern delta lying on the left side and the western delta lying on the right. For 40 miles below the river runs in a single stream. It then throws out the Puligedda branch. Between this and the main river lies the Divi island. The main river then flows for 15 miles and splits into three branches before it empties into the sea. The river drains 97,000 square miles and its flood discharge is about a million cubic feet per second.

The history of the Kistna anicut follows almost the same course as that of the Godavari. Sir Arthur Cotton, who built the Godavari anicut, was again responsible for the anicut at Bezwada with its two canals, supplying the two sections of the delta on either bank of the river.

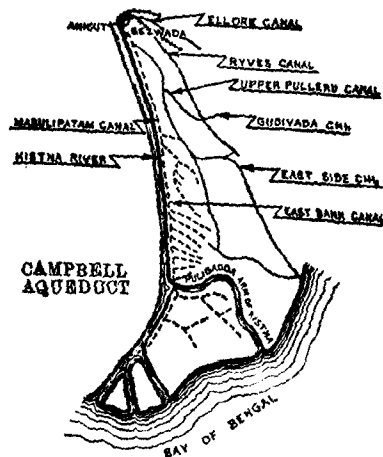
The anicut is about 6 furlongs in length and its crest was raised subsequently by one foot and fitted with three-foot falling shutters to improve the supplies to the delta. In 1925, even this was found insufficient and six-foot falling shutters were substituted. The shutters are tripped by hydraulic pressure to pass floods and a steam plough is used to lift them up as the flood subsides, so as to maintain full supply in the canals.

The headworks of each canal consist of head and undersluices and a head lock.

The eastern delta has an area of about 1,160 square miles and stretches as far north as the Collair. The western delta is about 950 square miles and extends to the south as far as Pedda Ganjam. The Kistna-Ellore canal in the eastern delta connects the Godavari-Ellore canal in the north and the Commamur canal of the



western delta joins the Buckingham canal in the south. These contour canals and the interior canals form a net work of irrigation and navigation canals affording means of irrigation and transport for the two deltas. The Divi island was irrigated with water pumped from the river by Diesel engine driven pumps pumping from the river till 1935 when the Campbell aqueduct was built at Puligedda to carry the Kistna East Bank Canal across the river to Divi. This canal now irrigates by direct flow the entire ayacut in the Divi island.



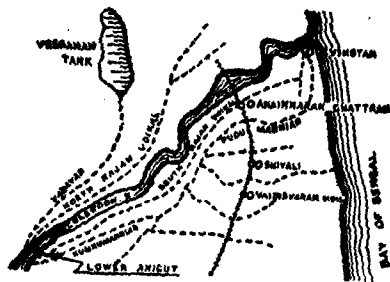
The Kistna East Bank canal takes off at about 4/0 of the Masulipatam canal. The canal is navigable and runs alongside the river for a considerable distance before it crosses the Puligedda arm of the Kistna river by the Campbell aqueduct. The aqueduct is the longest reinforced concrete aqueduct bridge in India and carries a roadway 16 feet wide and a footpath 4 feet wide. The aqueduct is submersible during high floods. The capital expenditure on the canal was Rs. 58 lakhs and the return is 8 per cent.

The river and its arms forming the Divi island are banked to protect the delta from floods.

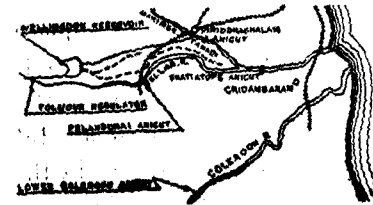
The canals are navigable for about 10 months in the year and carry annually cargo valued at about Rs. 4.37 crores, timber worth nearly Rs. 17.5 lakhs and about 229,000 passengers. The system irrigates 860,000 acres excluding Kistna East Bank canal. The capital expenditure was Rs. 2.2 crores and the return is 15 per cent.

Lower Coleroon Anicut System.—The lower anicut across the Coleroon was built about 1840 by Sir Arthur Cotton to ensure supply to the areas originally irrigated by river channels. The old works were substantially improved in 1906. The weir was converted into a regulator of 70 vents fitted with lift shutters 33 feet 4 inches span and 8 feet high. The Vadavar and North Rajan channels taking off on the left side irrigate lands in the Chidambaram taluk of the South Arcot district.

The Kunhikimanniyar and South Rajan channels take off on the right and irrigate lands in the Shiyali taluk of the Tanjore district. The Vadavar is a contour canal supplying the large Veeranam tank, which also supplements supplies in the river Vellar, through a sluice at its northern end. The system Rs. 26 lakhs and the return is 2.75 per cent.

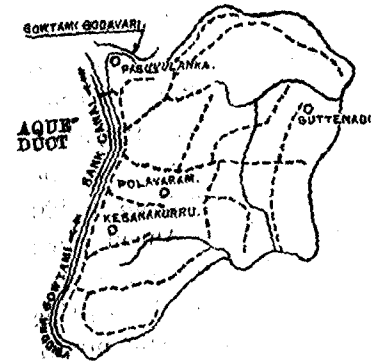


Willington Reservoir.—Originally known as the Toludur project, it is a comparatively new work in South Arcot district opened in 1923. There is a bridge regulator fitted with lift shutters across the Vellar at Toludur from which a canal three and a half miles long takes off and feels the reservoir which has a capacity of about 2,400 million cubic feet. The bridge carries the Great Southern Trunk Road from Madras to

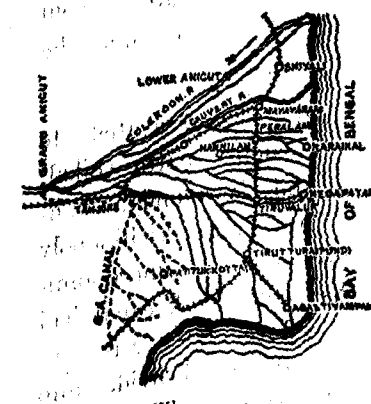


Trichinopoly. From the reservoir a channel takes off and branches into the high and low level channels a short distance below the head. These are designed to irrigate about 25,000 acres. Irrigation is not yet fully developed and the system now irrigates about 17,400 acres. Development is being hastened by providing new field channels. The capital expenditure on the system was about Rs. 26 lakhs and the return is 2.75 per cent.

Polavaram Island System.—The system consists of a canal taking off the Bank Canal of the Godavari Central delta about half-a-mile above Annampalli lock. The canal crosses the Vriddha Gowtami by a masonry aqueduct and irrigates the Polavaram Island enclosed by the two branches of the Gowtami Godavari. The system irrigates about 13,800 acres in East Godavari district. The capital expenditure was about Rs. 17 lakhs and the return 3.78 per cent.



Cauvery-Mettur System.—While the south-west monsoon on the hills is fairly copious and dependable, north-east monsoon supplies are irregular. Caprices of the north-east monsoon have frequently affected cultivation in Tanjore. Moreover, there is usually a break of about six weeks between the two monsoons. The chief aim of the Cauvery-Mettur system is to remedy this state of affairs by storing the excess water during floods and passing it down later when the natural flow in the river falls below requirements. It is also intended to irrigate



301,000 acres of new land chiefly in the Mannargudi, Pattukkottai and Arantangi taluks of the Tanjore district.

14. ADMINISTRATION REPORT OF THE

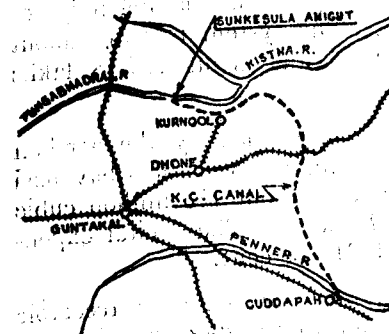
The system consists of a large reservoir at Mettur known as Stanley Reservoir and a canal known as the Grand Anicut Canal in Tanjore taking off above the Grand Anicut.

The Stanley Reservoir is a lake with a waterspread 60 square miles in area, holding 93,500 million cubic feet of water when full. The lake is formed by a masonry dam, across the valley of the Cauvery. It is 5,300 feet (a little over a mile) long and about 214 feet high at the deepest point. It is almost the biggest dam in the world and cost Rs. 4.8 crores. There are two sets of sluices in the dam, the high and low level sluices with sills at + 720 and + 670 while the F.R.L. is + 790. River floods are surplussed over an escape at the left flank fitted with lift shutters 60 feet long and 20 feet high and an emergency escape at the right flank. The M.W.L. is 796.00. The design bund provides for raising these by 10 feet if it becomes necessary. The sluices and the surplus shutters are worked by electric power but it is possible to work any of them by hand, if required. The dam also incorporates 4 sets of cast iron lined sluices 8 feet 6 inches diameter. These enable supplies to be drawn for the development of hydro-electric power below the dam and a hydro-electric power station has been built below the dam and is in operation since 1937. Irrigation supplies for the new area under the reservoir are passed into the river below the dam and picked up at the Grand Anicut about 120 miles downstream. The new canal called the Grand Anicut canal is a contour canal about 70 miles long and the capital cost was about Rs. 200 lakhs. It runs through Tanjore town, after passing which it throws out the large Kalianodai and Rajamadam branch canals. Down below there is a net work of branch channels and the system irrigates lands as far south as the Narasinga Cauvery.

The system is under development. It now irrigates about 160,000 of acres. The capital outlay is Rs. 6.6 crores and the present rate of return on capital is 1.03 per cent.

Kattalai System.—The south bank canal was excavated to replace the four old Korambai channels—Marudur nattu voikal, Mahadanapuram channel, Nangam channel and Uyyakondam channel—taking off from the right bank of the Cauvery in Trichinopoly district, as irrigation under them was troublesome and uneconomical. Because the river-bed at head of the south bank canal had been badly scoured by the 1924 floods a bed regulator was constructed there. Five furlongs below its head, the canal divides into the high level channel and the south bank channel. The system irrigates about 49,000 acres. The capital expenditure was about Rs. 41 lakhs and return is 1.86 per cent.

Kurnool-Cuddapah Canal.—The Kurnool-Cuddapah canal takes off from the Tungabhadra from an anicut at Sunkesula about 15 miles upstream of Kurnool. The anicut and canal were constructed by "The Madras Irrigation and Canal Company, Limited," incorporated in England in 1858, with a guarantee of 5 per cent interest on outlay. The work was completed about 1870 and was handed over to Government on payment of Rs. 3.02 crores. The canal provides for the irrigation of about 100,000 acres in Kurnool and Cuddapah districts but irrigated area varies within wide limits from year to year. The canal runs parallel to the river for about 50 miles, when it takes a turn southwards towards Cuddapah district and pierces the ridge between Pennar and Kistna valleys through a cutting called the Mittakondala cutting. Below this point the Kali and Kundu rivers are used to carry the irrigation supplies, the canal serving mainly as a navigation canal. There are anicuts across the Kundu river at Santhajuttur and at Rajoli at which the canal supplies are again picked up and used for irrigation in the Kurnool-Cuddapah canal and its branches. At about mile 180, the canal crosses the Pennar at Adinimayapalli anicut and is continued on the right as far as Cuddapah town. The Kurnool-Cuddapah canal flows through black cotton soil and irrigates mostly dry crops. These crops do not require canal supply in years of good and well distributed rainfall but in other years they require occasional irrigation. The canal is maintained at a heavy and recurring loss particularly because of its use in famine years. The canal was navigable throughout till 1934 when the reach below Lockinsula at mile 74/0 was closed to navigation, as there was little boat traffic, and costly replacement of a number of lock-gates below Lockinsula was found necessary.



The capital expenditure on the canal was about Rs. 234 lakhs and the return is about 0.74 per cent. It is the most expensive project (excluding Cauvery-Mettur Project) in Madras.

Barur Tank System.—The system consists of an anicut across the Pennar at Nedungal, with a supply channel feeding the Barur tank in Salem district. The supply channel also feeds a number of small tanks on the left bank while two old channels, the Nedungal and Agaram channels, feed small tanks on the right bank.

The work on the tank and the supply channel was commenced as famine relief work in 1877 and subsequently revised to include the anicut, etc. The work was completed in 1899. The system irrigates an area of about 5,000 acres.

The capital expenditure was Rs. 4.5 lakhs and a return of 2.49 per cent is now obtained.

Nagavalli River System.—At Thottapalli in Vizagapatam district, a regulator has been built across the Nagavalli river and a channel about 22 miles long has been dug. The channel irrigates a tract subject to precarious rainfall. The system irrigates about 28,000 acres. The capital expenditure was about Rs. 18 lakhs returning about 3 per cent.

Bhavanasi Tank.—This is a reservoir formed by the earthen bund about 2,500 feet long and 30 feet high across the Bhavanasi river in Guntur district with a capacity of about 175 million cubic feet. The reservoir irrigates about 570 acres. The capital expenditure was Rs. 2.65 lakhs returning 1.21 per cent.

Mopad System.—The Mopad system consists of a reservoir with an earthen bund about 70 feet high at the deepest point and more than a mile long, built across the Manneru river in Nellore district. The reservoir has a capacity of about 2,100 million cubic feet and irrigates lands in a tract where famines are frequent. The ayacut of the tank has been fixed at about 7,000 acres but actual irrigation is only about 5,200 acres. The capital expenditure on the system was about Rs. 23 lakhs and the return is 1.56 per cent.

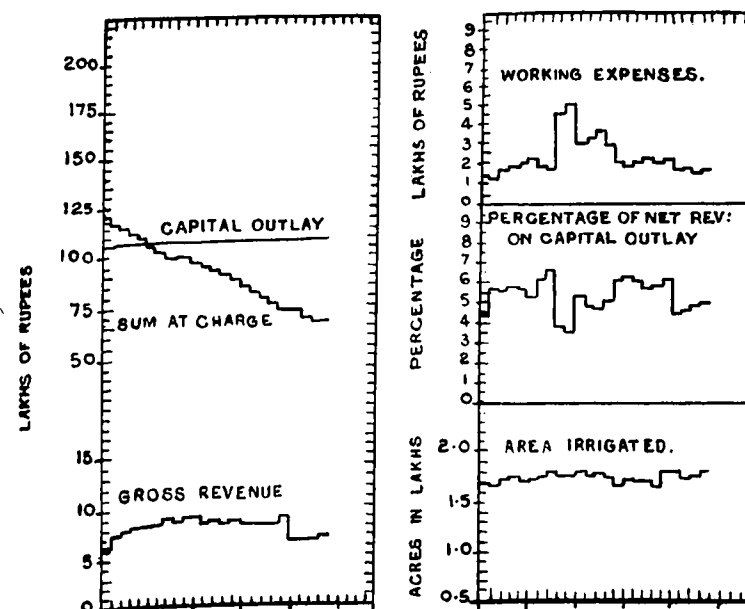
The Buckingham Canal.—This canal is used entirely for navigation. It runs through Madras parallel and close to the Coromandel coast, joining up a series of natural backwaters and connects all the coastal districts with Guntur and South Arcot at the ends. The canal runs for 196 miles north of Madras and 62 miles south of Madras. At its northern end it is connected with the Commamur canal of the Kistna delta which in turn is connected to the Godavari canals running as far north as Cocanada. Due to its alignment close to the coast the canal is difficult and costly to maintain. The navigability of the north canal depends on the open sea bars at Ennore and Pulicat. In a bad year water levels may drop and lead to considerable difficulty in navigation. The canal carries a large traffic in salt, shells, firewood, building materials and food grains and is one of the main feeders to the Madras market.

of an estimated value of about Rs. 1.07 crores and about 99,000 passengers every year. The capital expenditure on the canal was about Rs. 90.85 lakhs and the return is minus 1.77 per cent.

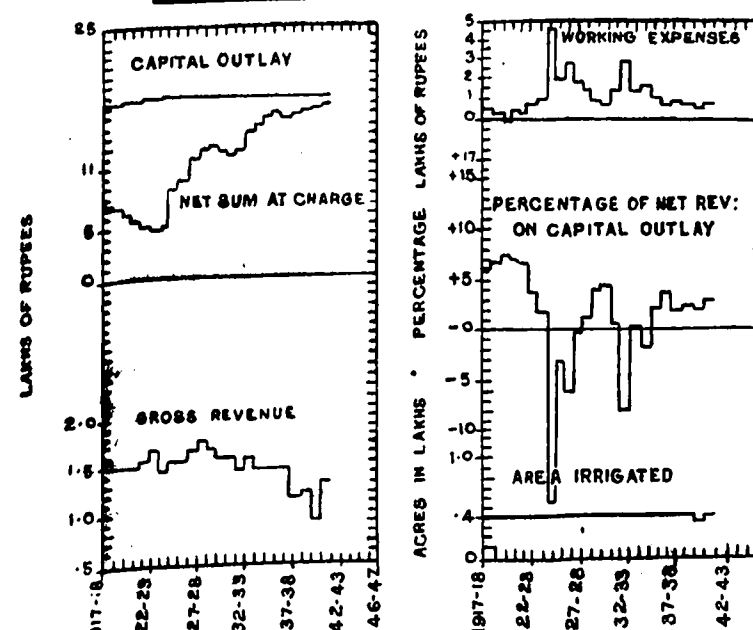
Financial Results.—The diagrams on pages 17-23 show the financial results of important irrigation systems.

FINANCIAL RECORD

PERIYAR SYSTEM

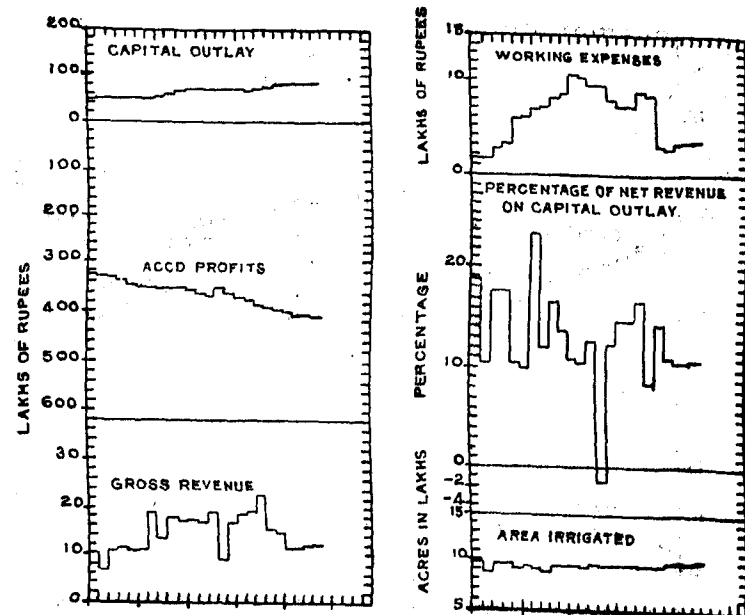


SRIVAİKUNTAM ANICUT SYSTEM

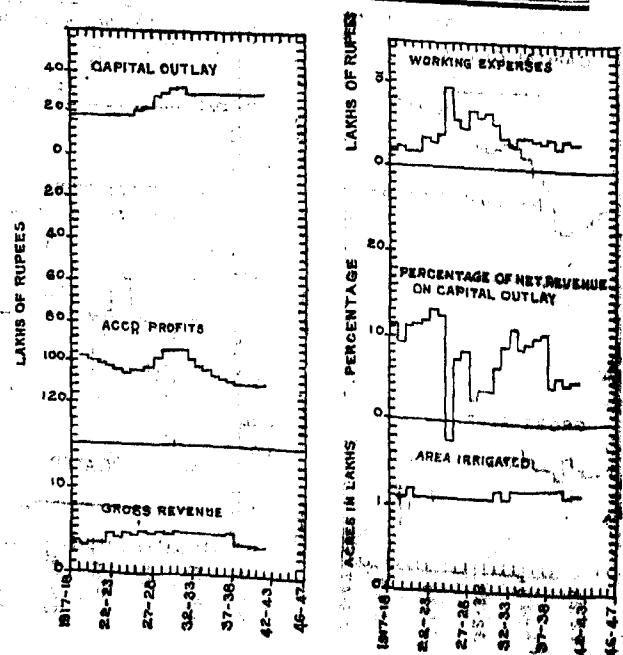


FINANCIAL RECORD

CAUVERY DELTA SYSTEM

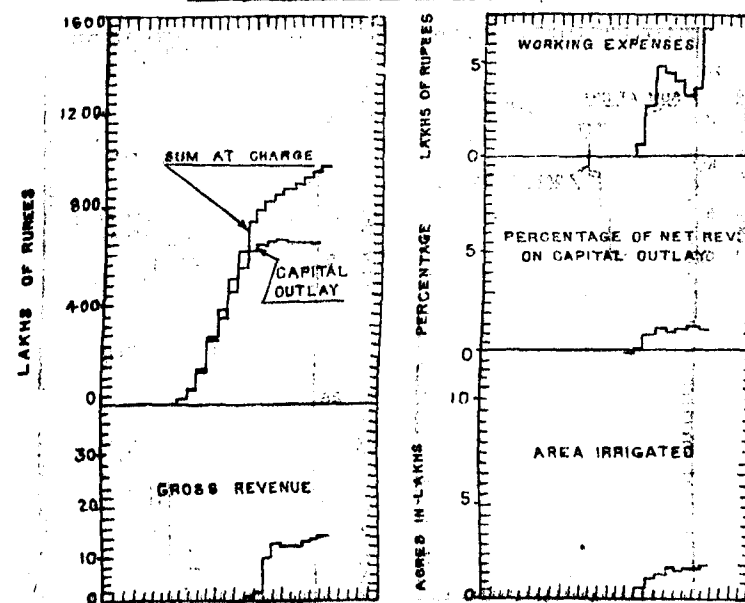


LOWER COLEROON ANICUT SYSTEM

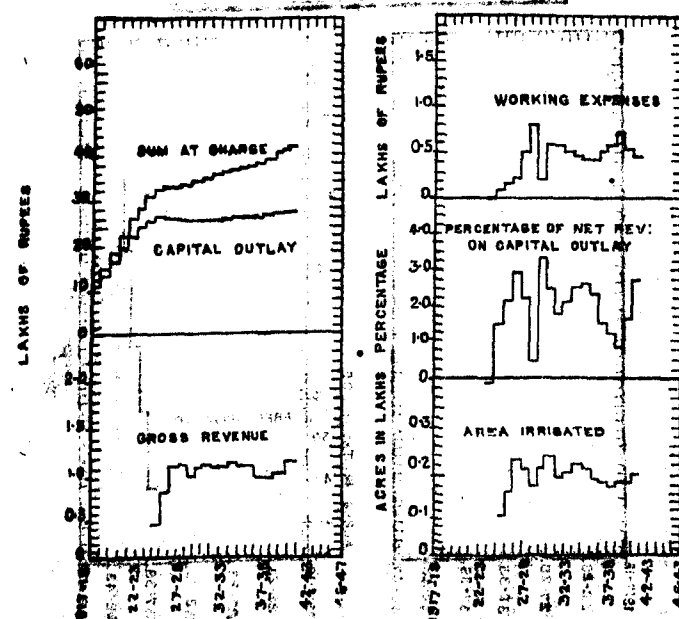


FINANCIAL RECORD

CAUVERY-METTUR SYSTEM



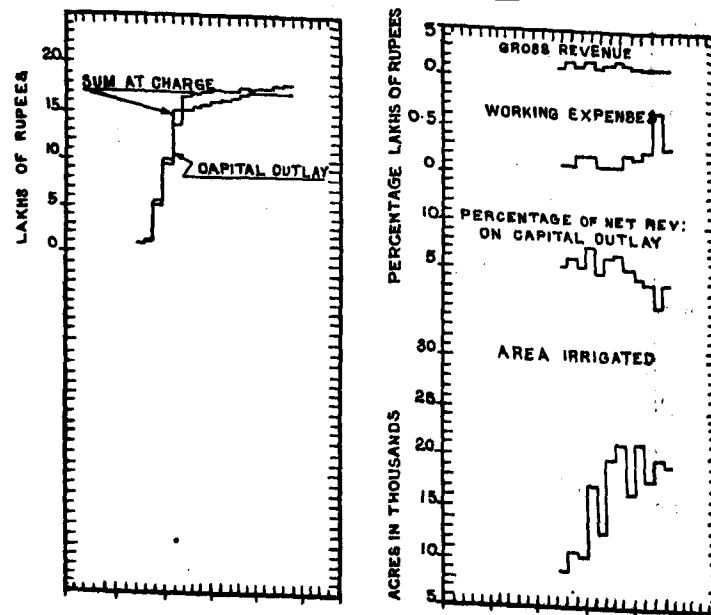
WILLINGDON RESERVOIR SYSTEM



ADMINISTRATION REPORT OF THE

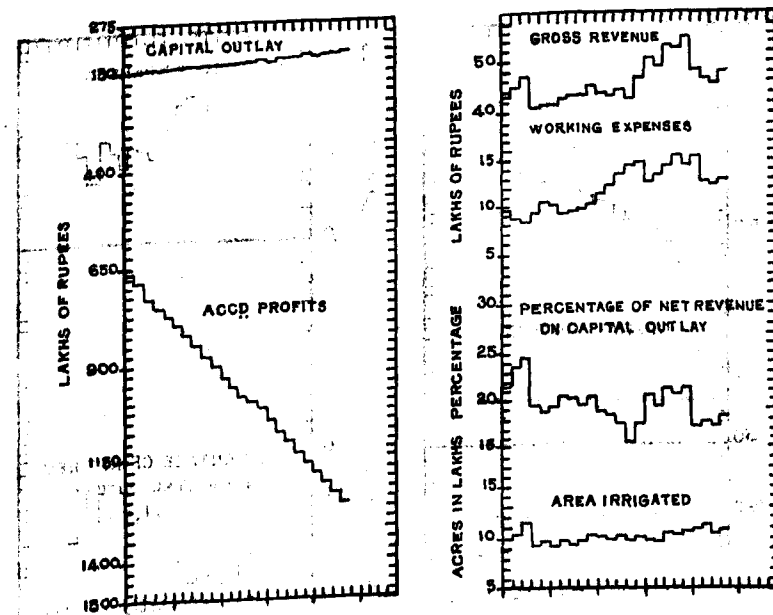
FINANCIAL RECORD

POLAVARAM ISLAND

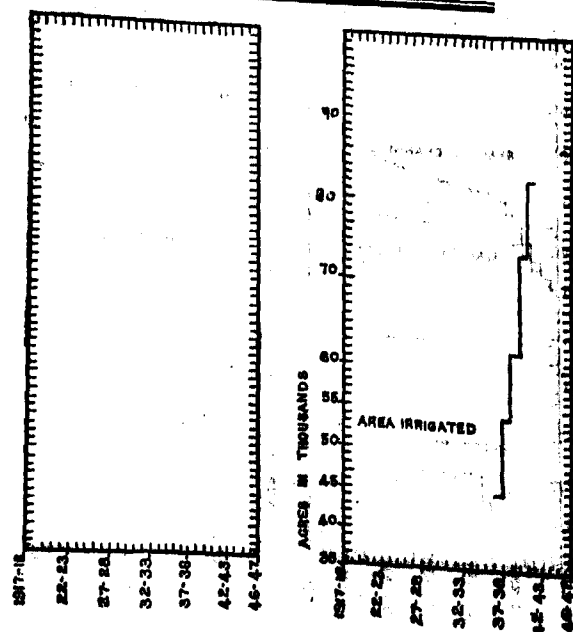


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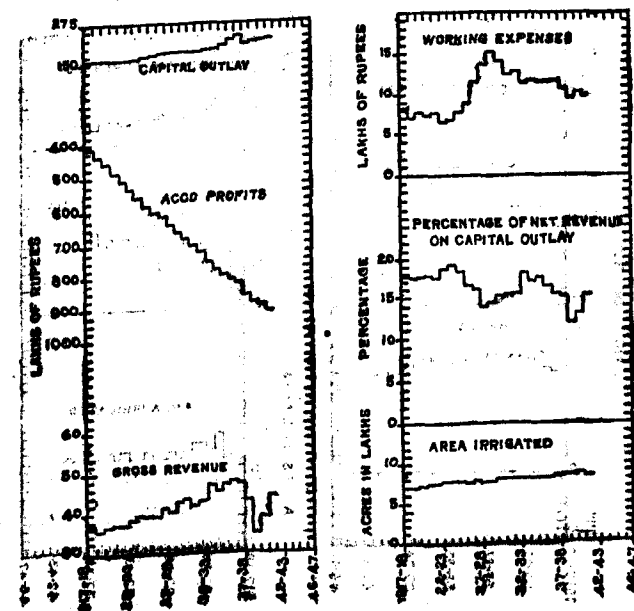
GODAVARI DELTA SYSTEM



KISTNA EAST BANK CANAL

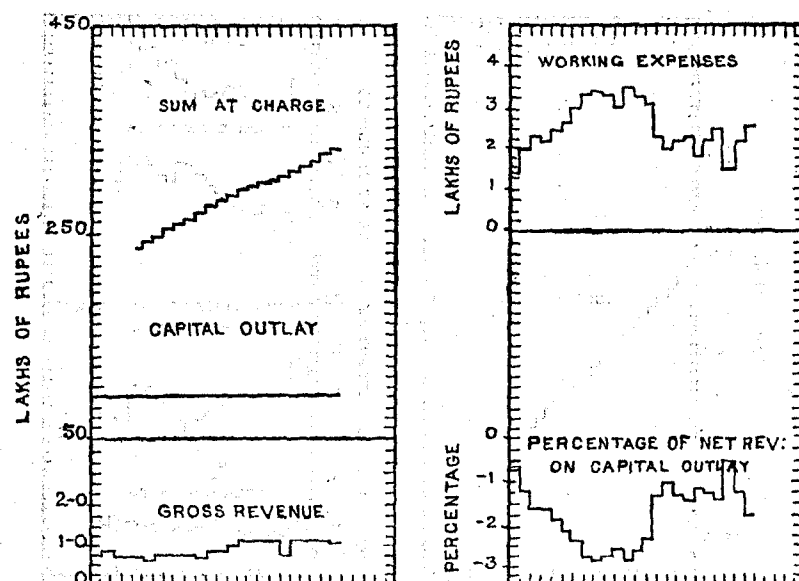


KISTNA DELTA SYSTEM

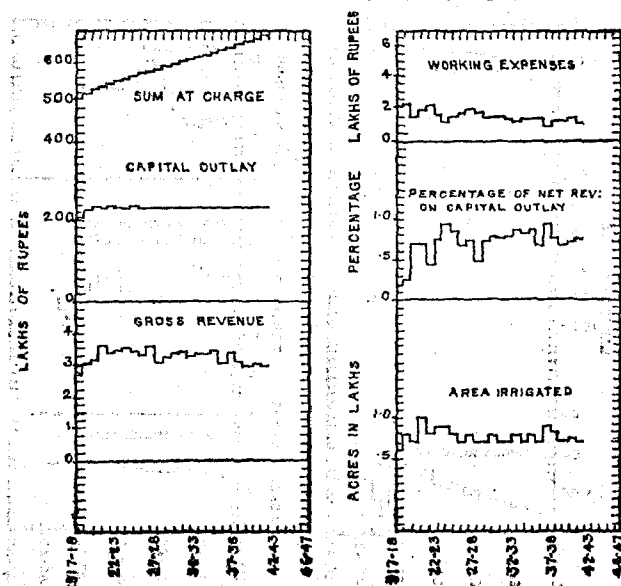


FINANCIAL RECORD

BUCKINGHAM CANAL

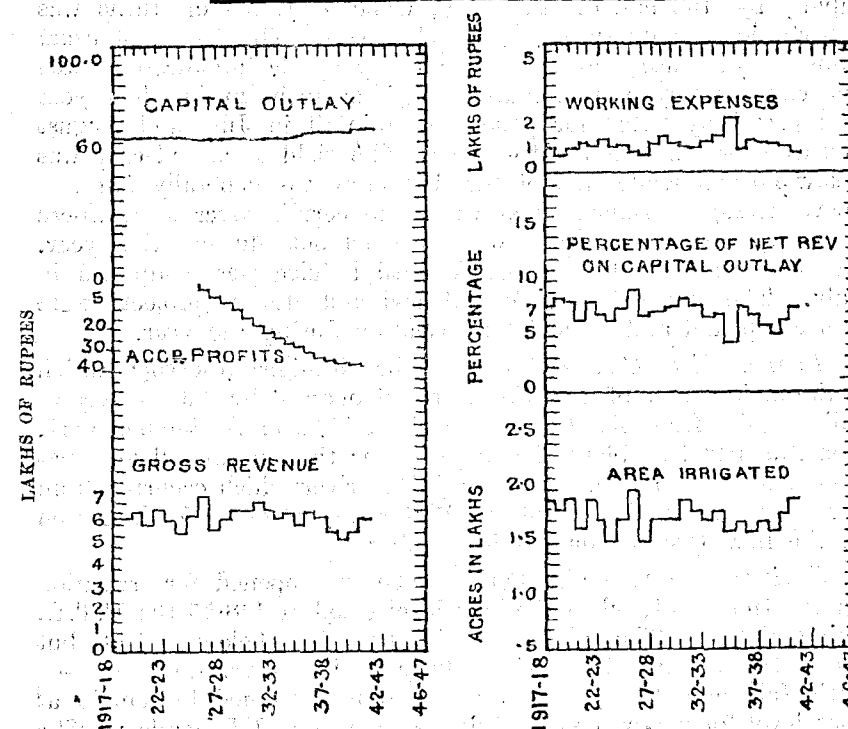


KURNOOL-CUDDAPAH CANAL



FINANCIAL RECORD

PENNAR RIVER CANAL SYSTEM



Chapter III.

SALIENT FEATURES OF THE ADMINISTRATION OF THE PUBLIC WORKS DEPARTMENT (IRRIGATION) FOR THE YEAR 1941.

The summary in this chapter is as usual intended to bring the general information up to the end of the calendar year (1941).

Cauvery Delta System.—The south-west monsoon was opportune this year; the north-east monsoon also set in fairly in time. Scarcity of rain in the delta about the middle of September led to extra heavy supply of water having to be issued from Mettur to irrigate 1,500 acres of high level lands of Nadupadugai and secure the requisite command levels. Owing to the copious supply in the river and periodic floods caused by the north-east monsoon the reservoir level was extremely satisfactory and there was no need to enforce the usual system of turns between Cauvery and Vennar. The unexpected floods in June developed a new set on the Coleroon right bank at Agara-Elathur and a breach was threatened. Protective works were therefore immediately taken to strengthen the bank and permanent protection is being continued.

Godavari Delta System.—The supply in the river during the second crop period was favourable in the beginning but later on the water level went down below the crest of the anicut very rapidly by the end of February, when a system of turns was introduced to maintain commandable levels. The failure of usual rains in the season caused great anxiety by the middle of March and consequently proportionate supply had to be made. The year was peculiarly noted for paucity of rainfall in July and August and also for low floods in the river. The yield of second crop was below normal while that of the first crop was generally fair and above average. Damage was caused to certain river sets, where necessary protective works were carried out during the year. Reconstruction of the Torrigedda outfall sluice was completed in July. The Kalipatnam, Vemuladevi and Losari projects were also completed and opened for irrigation during the year.

Pennar River Canals System.—The Kanigiri reservoir which is the main source of irrigation to the Sangam delta did not receive full supplies from the Pennar till the middle of September 1941. Consequently transplantation began later than usual. The situation was however saved by floods in the river which occurred from the second week of September. Water was let down for irrigation in the new Pyderu channel in October.

Periyar System.—The Periyar lake was opened for irrigation on 1st June 1941, when the lake level stood at 148.55 the F.T.L. being 152.00. The lake level did not fall below 146.40 but reached the F.T.L. twice during the year, i.e., on the 14th July and 23rd November and even continued to remain at that level for a few days in July, November and December. The remarkable feature during the year was the full or nearly full condition of the lake for some time. The water-supply was exceptionally good and the condition of crops was satisfactory.

Kistna Delta System.—The irrigation season began well with early freshes in the river and without continuous floods. But due to unfavourable circumstances, transplantation began late in June and was completed by the end of September. Rainfall for September was normal. The standing crops are good and a bumper harvest is expected this year. The area under sugarcane cultivation is progressing well due to the sugar factory at Vuyyur and shows promise of improvement.

Kistna East Bank Canal Extension Scheme.—The canal was opened for irrigation on the 15th May 1941, as usual. In spite of the failure of the south-west monsoon transplantation was completed in time due to the steady supply in the river. The standing crops are good and the yield is expected to be satisfactory. The full extent of the scheme has almost been developed during the year and the old extent in the Divi Island has also been fully developed.

Vizagapatam district.—The rains started very late with the result that there was retarded transplantation. Later in the season, scarcity of water-supply was felt and Korambu works had

to be done for the leading river channels in Chicacole subdivision. The heavy rains of October caused breaches and minor flood damage in the irrigation canals and channels.

Cauvery-Mettur System.—The Stanley reservoir was closed for irrigation on 29th January 1941 and re-opened on 9th June. It received good supplies during the year. The F.R.L. of the reservoir was almost reached twice in June due to floods brought by the Cauvery and from August to October, the level was nearly at the F.R.L. The maximum discharge that passed through the Ellis Saddle Surplus was 180,154 cusecs on 13th July, which is the maximum recorded ever since the construction of the dam. This is higher than the highest in the 60 years prior to 1924 by some 4,000 cusecs. It was found that spills over F. Saddle in ordinary floods were liable to cause deep scours, damaging the canals as the F. Saddle escape is only an emergency surplus when the Ellis Saddle surplus is discharging full and the reservoir shows signs of exceeding the M.W.L. of 126.00 on gauge. An earthen bund intended to prevent spill over the weir at the F. Saddle was constructed during the year and brought partly into use during the season. Some improvements to the high and low level sluices were in progress.

The two industrial concerns, viz., the Mettur Industries Limited, and the Mettur Chemical and Industrial Corporation Limited, are progressing.

Tungabhadra Project.—The investigation by a Special Executive Engineer with necessary staff is in good progress. It is expected to be completed by March 1942.

Cauvery Gauging.—In accordance with the rules of regulation of the Krishnarajasagara, joint cross sections of the rivers at standard stations were taken in June and October. The Cauvery at Chunchinkatte was jointly gauged and the results are being worked out jointly. The Krishnarajasagara channels are also being gauged.

Buckingham Canal.—The navigation in the canal was fairly satisfactory as a result of the silt clearance carried out during the year. Improvements to the north canal by deepening its bed level under an estimate of Rs. 2.8 lakhs were started towards the end of the year and are in progress. They will be completed shortly and this portion of the canal will then be fully navigable for any craft without any difficulty. The work of reconstructing the collapsed girder bridge at Kothapatnam at 178th mile is in progress and is expected to be completed soon.

General.—The breach closing work in Gundamadakala tank affected by the heavy rains of May 1940 could not be started in January 1941 according to an earlier programme of execution but commenced only in December 1941 owing to certain technical difficulties. The work is now in progress and is expected to be completed before the next monsoon.

A cyclone of great intensity swept over the South Arcot district on the 2nd and 3rd December 1941. There were severe damages everywhere to irrigation works and vast extents of lands were submerged. The damages owing to this cyclone are more excessive than what took place in 1937 cyclone. Apart from cases of actual breaching several tank bunds have suffered erosions. Necessary steps to restore the damaged irrigation works are being taken. Temporary ring bunds have been put in, in all cases, and water stored for carrying on cultivation, which is reported as not appreciably affected. The estimated cost of repairing damages is about 2 lakhs of rupees.

Chapter IV.

PERSONNEL, CLASSIFICATION OF WORKS—FINANCIAL RESULTS.

Mr. F. M. Dowley continued as Chief Engineer for Irrigation till 4th July 1940 afternoon, when he proceeded on leave preparatory to retirement. Mr. J. S. Westerdale succeeded him and held the post till 12th August 1940, when he also went on leave preparatory to retirement. His place was taken up by Sri Rao Bahadur L. Venkatakrishna Ayyar, who continues as Chief Engineer for Irrigation till 6th November 1940 afternoon and as Chief Engineer (General and Irrigation) for the remaining period. Mr. N. J. Joseph continued as Deputy Chief Engineer for Irrigation throughout the year.

2. Irrigation works in the Presidency are classified as shown below :—

- (a) Works for which capital and revenue accounts are kept—
 - A. Irrigation works—
 - (i) Productive.
 - (ii) Unproductive.
 - B. Navigation, Embankment and Drainage Works—
 - (i) Productive.
 - (ii) Unproductive.
- (b) Works for which capital and revenue accounts are not kept—
 - (i) Irrigation works.
 - (ii) Navigation, Embankment and Drainage Works.

A work is classed productive or unproductive on the financial results of three consecutive years. There are no works in the Presidency under "B. Navigation, Embankment and Drainage Works—Productive."

3. The total outlay on irrigation works during the year was Rs. 88,66,816 against Rs. 90,93,486 in 1939-40. The total revenue realized was Rs. 3,01,95,571 against Rs. 2,75,00,244 in the previous year. The area charged as irrigated was 7,972,867 acres against 7,492,110 acres in the previous year. The net revenue

after deducting working expenses was Rs. 1,65,77,605 against Rs. 1,39,32,770 in the previous year. The expenditure figures include indirect charges. If direct charges alone are considered, the expenditure during the year was Rs. 80.86 lakhs against the budget allotment of Rs. 78.83 lakhs. The total area in the Presidency during 1940-41 under the chief food and industrial crops both irrigated and dry was 37,343,724 acres or 1,066,512 acres more than in the previous year. The area irrigated by Government irrigation works was 7,972,867 acres or 21.36 per cent of the total cropped area. This area was 480,757 acres more than in 1939-40. The increase was due to favourable season and development of irrigation under new systems.

4. *Financial results*—(i) *Productive works*.—The capital outlay during the year was Rs. 2,87,235 and to the end of the year Rs. 15,63,50,120. The area charged as irrigated was 4,248,841 acres and the estimated value of crops raised was Rs. 28,29,46,399. The net revenue derived was Rs. 1,07,13,054 representing a return of 6.85 per cent on the capital outlay. The accumulated profits to the end of the year amounted to Rs. 34.12 crores.

(ii) *Unproductive works*.—The capital outlay during the year was Rs. 56,897 and to the end of the year Rs. 3,88,13,349. The area charged as irrigated was 299,559 acres and the estimated value of crops raised was Rs. 1,47,10,106. The net revenue derived was Rs. 4,85,964 representing a return of 1.25 per cent on the capital outlay.

(iii) *Minor works for which capital and revenue accounts are not kept*—(a) *Irrigation works*.—There are 35,448 works in this class against 34,477 in 1939-40. The outlay on them during the year was Rs. 31,58,057. The area charged as irrigated was 3,424,467 acres.

(b) *Navigation, etc., works*.—The outlay incurred was Rs. 5,28,840 and the revenue derived was Rs. 81,606.

5. *Irrigation works—Productive*.—(1) As in the previous year, there were 26 works in this class. The canals in the Godavari and Kistna delta systems are used both for irrigation and navigation. The remaining works are for irrigation only.

(2) The total length of the main and branch canals at the end of the year was 3,549 $\frac{3}{4}$ miles. Of this length, 911 $\frac{3}{8}$ miles were for irrigation and navigation combined and the remainder for irrigation only. The length of distributaries was 9,611 miles.

(3) The capital outlay (direct and indirect) during the year was Rs. 2,87,235 against Rs. 4,90,891 in the previous year. The bulk of the expenditure during 1940-41 was incurred on the Kistna and Godavari Delta systems and the Kistna East Bank Canal. Details of works carried out are given in Chapter V.

(4) The total area charged as irrigated was 3,580,262 acres first crop and 668,579 acres second crop, against 3,553,906 and

592,138 acres respectively in 1939-40. The increase in first crop was mainly under the Godavari Delta System, Kistna East Bank Canal and Cauvery-Mettur Project. The increase in second crop was mainly under the Cauvery, Godavari and Kistna Delta systems and the Periyar Project.

(5) The gross working expenses of the year Rs. 53,10,922 against Rs. 51,47,371 in the previous year.

(6) The gross revenue of the year was Rs. 1,98,02,033 against Rs. 1,86,24,538 in 1939-40. The increase in revenue was chiefly due to less remissions and deductions under many systems and development of irrigation.

(7) The net revenue derived and the net profits after deducting interest charges amounted to Rs. 1,07,13,054 and Rs. 89,99,622 against Rs. 97,46,369 and Rs. 30,49,691 respectively in the previous year. The net profit works out to 2.56 per cent on the total capital outlay of Rs. 15,63,50,120 against 6.55 per cent 25 years ago, i.e., in 1915-16.

(8) The estimated value of irrigated crops raised during the year amounted to Rs. 28,29,46,399 against Rs. 21,69,83,166 in the previous year.

(9) The average revenue per acre amounted to Rs. 4.66 on the gross area and Rs. 5.55 on the new irrigation. The working expenses per acre were Rs. 1.24 on the gross area and 1.57 on new irrigation.

(10) The remissions granted during the year amounted to Rs. 36,07,884 against Rs. 42,92,075 in the previous year. The areas affected were mainly in the Kistna, Godavari and Cauvery Delta systems. Unfavourable seasonal conditions coupled with land revenue concessions were responsible for the remissions during the year.

6. *Irrigation works—Unproductive works.*—(1) There were 28 works of this class as in the previous year. The Kurnool-Cuddapah Canal is used for irrigation and navigation, navigation being confined to the first 75 miles. The other works are used only for irrigation.

(2) The capital outlay (direct and indirect) during the year was Rs. 56,897 against Rs. 70,456 in 1939-40. The bulk of the expenditure was incurred on the Duvvaleru Project.

(3) The total lengths of main and branch canals at the end of the year was 823 1/8 miles of which 75 miles were for irrigation and navigation combined and the remainder only for irrigation. The length of distributaries was 760 1/8 miles.

(4) The area irrigated during the year was 299,559 acres against 281,686 acres in 1939-40. The increase in area was mainly under the Mopad Reservoir.

(5) The gross working expenses amounted to Rs. 3,52,994 against Rs. 3,71,143 in the previous year.

(6) The gross revenue amounted to Rs. 10,67,682 against Rs. 9,93,468 in 1939-40. The increase in revenue was chiefly due to less remissions and deductions under many systems.

(7) The net revenue due to improvements was Rs. 4,85,964 against Rs. 3,95,211 in the previous year. This represents a return of 1.25 per cent on the capital outlay of Rs. 3,88,13,349 to end of the year. The net revenue fell short of interest charges by Rs. 12,18,131 of which Rs. 8,75,880 pertained to Kurnool-Cuddapah Canal. This deficit represents 3.14 per cent on the outlay.

(8) The estimated value of crops amounted to Rs. 1,47,10,106 against Rs. 1,25,17,634 in the previous year.

(9) The average revenue per acre amounted to Rs. 3.56 on the gross area and Rs. 4.44 on the new irrigation. The working expenses per acre were Rs. 1.18 on the gross area and Rs. 1.80 on new irrigation.

(10) The remission granted during the year amounted to Rs. 1,51,996 against Rs. 1,63,525 in the previous year. The area affected was mainly under the Palar Anicut system.

7. *B. Navigation, Embankment and Drainage works—Unproductive.*—There were two works of this class, viz., the Buckingham Canal and the Vedaranyam Canal, the total length being 309 1/2 miles. The gross receipts amounted to Rs. 1,08,689 and the charges to Rs. 2,74,341 against Rs. 1,08,046 and Rs. 2,33,550 respectively in the previous year. There was thus a loss of Rs. 1,65,652 on the working of these canals against a loss of Rs. 1,25,504 in 1939-40. The value of goods carried during the year was Rs. 1,14,88,559.

8. *Navigation canals.*—Navigation was carried on as usual on the Dummagudem, Godavari, Kistna (Kistna East Bank Canal being shown separately for account purposes), Kurnool-Cuddapah, Buckingham, West Coast and Vedaranyam canals. As in the previous year navigation in the Kurnool-Cuddapah canals was limited to the first 75 miles. The total direct receipts amounted to Rs. 4.97 lakhs showing an increase of Rs. 0.26 lakh over the figures of the previous year. This was due mainly to increase in the annual and six weeks licence fees in the Godavari canals and annual licence fees in the Buckingham canal and receipts in respect of Government boats and steamers in the Godavari canals.

9. *Works for which capital and revenue accounts are not kept—Irrigation works.*—The outlay incurred, the area irrigated and the revenue derived from the works of this class are compared below with the figures of 1939-40 and the average of the previous triennium.

	Outlay incurred.	Area irrigated.	Gross revenue.
	RS.	ACS.	RS.
During 1940-41	31,58,057	3,424,467	91,95,561
During 1939-40	33,33,316	3,064,380	76,86,727
Average of the triennium ending 1939-40.	33,79,525	3,042,772	72,72,544

10. *Tank restoration scheme works.*—The total area coming within the scope of tank restoration scheme investigation is 102,500 square miles. Investigations were taken up in basins of a total area of 94,660 square miles and 87,630 square miles in these basins had been investigated by 1931 when the tank restoration divisions and subdivisions were abolished, as a measure of retrenchment. Since April 1931 up-to-date, the area investigated, by the regular staff is 1,257 square miles. No investigation was done during the current year. The areas investigated up to 31st March 1931, 1940 and 1941 are 85.49 per cent, 86.72 per cent and 86.72 per cent, respectively of the total area of 102,500 square miles.

In the area investigated, necessary works were completed in 85,906 square miles and works are in progress or yet to be started in the remaining area of 2,981 square miles.

The number and amount of estimates sanctioned up to date are shown in the statement in paragraph 6, section E-1 of Chapter V. The total amount of estimates sanctioned from the commencement of Tank Restoration Scheme operations up to the end of the year was Rs. 203 lakhs nearly, against which the total expenditure incurred was Rs. 1,71,21,396 (exclusive of charges for establishment and tools and plant). The expenditure during the year amounted to Rs. 3,730.

11. *Works for which capital and revenue accounts are not kept—Navigation, Embankment and Drainage Works.*—The outlay incurred on and the revenue derived from the works of this class are compared below with the figures of the previous year and the average of the previous triennium :—

	Outlay incurred.	Revenue derived.
	RS.	RS.
During 1940-41	5,28,840	81,606
During 1939-40	5,63,319	87,465
Average of the triennium ending 1939-40 ..	6,74,348	86,631

12. *Projects under consideration.*—Government ordered the detailed investigation of a scheme to extend irrigation to about 4,800 acres under the Nagarikatakam channel in the Chicacole taluk, Vizagapatam district. The investigation had almost been completed and the report is awaited.

To relieve submersion caused by floods in the Coringa river, alternative proposals for (a) a vented cross bund and lock at Tallarevu or (b) a lock and regulator at Yanam were considered. The Government to whom the former scheme was submitted for consideration as a Part II Scheme for 1939-40 raised the question of contribution recoverable from the ryots. This was examined and a report sent to the Board of Revenue. Further particulars called for by Government regarding the extent that will be benefited by the scheme and the amount of remission that will be saved were collected by the Board of Revenue.

The detailed investigation of the smaller scheme to irrigate 7,500 acres in Coringa island which was under consideration of Government had been ordered to be postponed.

The preliminary report on the scheme to irrigate 3,750 acres of high level lands at the head of the Godavari Central delta was under consideration of Government and orders for the detailed investigations of the scheme were passed in January 1941. The investigation is in progress.

Proposals to irrigate 4,000 acres and improve drainage facilities in Kanur, West Godavari district and in the area lying between Nidadavole-Narsapur Road by a channel from Vizeswaram were postponed owing to restrictions imposed on expenditure on new schemes.

The preliminary report on the scheme for reservoir on the Sabari, a tributary of the Godavari, to stabilize supplies to the second crop in the Godavari delta and to extend it by about a lakh of acres was under consideration. The proposed site of the reservoir was inspected by the Chief Engineer for Irrigation in December 1940. The scheme was revised providing for some irrigation in the Agency during the first crop season and for development of hydro-electric power in addition to increase the double crop area in the delta, and a report was sent to the Board of Revenue for examination of the financial aspect of the scheme.

A scheme to construct a reservoir on the Yerracalva in the West Godavari district to serve as a flood moderator and to irrigate roughly 25,000 acres was considered. Field work and preparation of plans and estimates were completed by a special staff. The opinion of the Collector is awaited. The possibilities of reducing the land acquisition charges are being examined by him.

Preliminary proposals for a scheme to irrigate about 1,340 acres by pumping water from Godavari Western Ellore Canal at miles 40-3-450 feet to Seethanagana tank of Dendulur were examined and the scheme was recommended to Government for detailed investigation.

A scheme to utilize the flood waters of the Yeleru river in the East Godavari district by diverting some of the flood flow into the Timmaraju tank of Lingamparti village with an ayacut of 5,000 acres was investigated and preliminary proposals were examined. The scheme was dropped on administrative grounds.

The report on the localization of the second crop zones in the Godavari Eastern and Central deltas is still under the consideration of Government.

The preliminary report on the scheme for relieving submersion of lands bordering the Collair lake, Kistna district, was examined and the scheme has been recommended for detailed investigation and the question is pending with the Board of Revenue.

The detailed investigation of the Gundlakamma project started in January 1940 was completed in August 1940. The plans and estimates for the project are under examination by the Superintending Engineer.

The report on the results of gauging the Pillaperu to augment the supply to the Mopad system was examined and the investigation of the scheme for improving the supply to the Mopad ayacut by constructing an anicut across the Pillaperu was recommended to Government through the Board of Revenue.

The report sent to Government through the Board of Revenue on the Rallapad and the combined Rallapad-Machavaram schemes (Nellore district) was examined by the Board, and the feasibility of reducing the cost of the schemes is under examination.

A special Division for the detailed investigation of the Tungabhadra project was formed in June 1940 and the investigation work is progressing. It is expected to be completed by March 1942.

Gaugings of the Papagni river at Velligallu and Tummalur for the Papagni (anicut) scheme were continued.

The scheme to excavate a supply channel to Gotur Mallidevaroya cheruvu and an alternative proposal are still under examination by the local officers.

The preliminary proposals for the scheme to construct an anicut across the Pambaleru river for augmenting supplies to Thippaguntapalem tank and extending irrigation, were examined. The Collector's opinion on the financial aspect of the scheme is awaited.

The plans and estimates for excavating a spring channel from the Pennar right bank to irrigate lands in Gangavaram and other villages of the Cuddapah district are still under revision.

Jothivagu and two neighbouring streams are being gauged in connection with a scheme to improve supply to Ganganapalli tank in Narsapuram village, Badvel taluk, Cuddapah district, by leading into it a channel from Jothivagu.

A scheme for a reservoir across the Pennar river in the limits of Gandikota village, Cuddapah district, to irrigate about 100,000 acres of dry and 150,000 acres of wet crop was examined. The question of availability of supply was under examination.

The results of gaugings taken at Hindupur and Perur sites during 1939-40 for the Pennar-Kumudavathi Project were examined.

A proposal to utilize the surplus waters of the Siruvani river for irrigation in Noyyel valley was deferred, pending a decision on the Lower Bhavani Project. Gauge readings were continued. The Government have decided that the further consideration of the Upper Bhavani Project should be finally given up, and that the detailed investigation of the modified Lower Bhavani Project should wait until more progress is made with the Tungabhadra Project investigation and final decision is reached.

Gauge readings of the Uduthorahalla river in Kollegal taluk were continued during the year; preliminary proposals for an anicut to irrigate 750 acres and a reservoir to irrigate 2,500 acres, were under consideration; and it has since been decided that the anicut scheme should be investigated.

Kiripatti reservoir scheme which was abandoned by Government in 1936 owing to inadequate return was re-examined. It was dropped because a high water rate besides inclusion fees will have to be levied to make the scheme productive.

The report of the special officers appointed to investigate and formulate proposals for making the navigation in the West Coast Canals pay its way, was under consideration and orders were passed in G.O. No. 1097 I., dated 30th May 1940. Part of the repairs suggested in the above Government Order for Elathur-Kallai canal were carried out during the year, and the rest costing Rs. 93,600 were ordered to be taken up in 1941-42.

13. *Character of the season.*—The south-west monsoon commenced in June and was fairly active in the beginning with the result that the rainfall was above normal in all districts except in East Godavari, West Godavari, Kistna, Guntur, Bellary and Anantapur. The rainfall in July was, however, below normal except in East Godavari, Kistna and Ramnad. In August also it was below normal except in Vizagapatam, West Godavari, Kistna, Guntur, Kurnool and Bellary districts. There were floods in West Godavari district which caused considerable damage to standing crops. In September also the rainfall was below normal in almost all districts. On the whole the rainfall in the south-west monsoon was deficient in all districts except Kistna, Cuddapah, Chittoor, Madura, Ramnad and Tinnevely.

The rainfall in October was above normal only in Guntur, Kurnool, Bellary, Anantapur, Cuddapah, Nellore, Chittoor, North Arcot and Ramnad districts. The north-east monsoon was active in November and the rainfall was above normal except in Vizagapatam and Bellary. It was far above normal in the districts of Nellore, Chingleput, South Arcot, Coimbatore, Trichinopoly, Tanjore, Ramnad and Tinnevely. On account of the heavy rains the standing paddy crops in parts of Tanjore district were submerged. In December also the rainfall was above normal in most districts. On the whole the north-east monsoon was fairly satisfactory.

The average rainfall in the Presidency exclusive of the West Coast and the Nilgiris for the year 1940-41 was 40.78 inches against 37.81 inches in the previous year and against the average of 35.12 inches for the five years ending 1939-40.

14. *Floods.*—The highest flood in the Godavari river was 15.8 feet over the crest of the Dowlashwaram anicut which occurred on 21st August 1940, against 11.2 feet of the previous year. The highest recorded flood of 1891 was 17 feet over the then crest of the anicut which was subsequently raised by 0.75 foot, i.e., it was 16.25 over the present crest. This year's

flood was remarkable for its intensity and duration and was the second highest flood on record. The maximum flood in the Kistna at Bezwada was 11.70 feet over the anicut on 26th August 1940 against the record flood of 23.50 feet in October 1903. The maximum flood level in Tungabhadra at Sunkesula was 5 feet on the crest of the anicut on 22nd May 1940 against the record of 10.40 feet on 31st October 1916. The Pennar at Adinimayapalle anicut had a maximum flood of 4.1 feet on 11th October 1940 against the record of 13.90 feet on 26th October 1874. The highest reading on the Cauvery dam was 9.40 feet on the 27th November 1940 against the record of 14.65 feet on 20th July 1924.

15. *Breaches and accidents.*—There were very high floods in the Godavari river in August 1940. The flood banks withstood the floods very well. Slips were, however, noticed at a few places. The revetment work at Patha Injaram set slipped; a portion of the work done last year at Ballipadu set failed; there were also two slips in Kapileswarapuram set. Remedial measures were taken to repair them. The Godavari road in the Upper Godavari Agency was under floods in some places without serious damage to the road. Heavy floods of August 1940 in the Yerracalva in the West Godavari district damaged to some extent several irrigation works. Steps are being taken to repair these damages. Due to floods in the Kistna river in August 1940 damages were caused to masonry aprons of the Bezwada anicut; they were scoured opposite to shutter sets Nos. 6, 7 and 8; the scour was made up under a special repair estimate amounting to Rs. 91,500. The heavy rains of November 1940 caused slight damage to bunds of channels and drains; they were all repaired. The cyclone of May 1940 caused certain damages to Pedasettipalli spring channel and Markapur tank in Kurnool division; the Gundlakamma river received high floods and the gauge well at Tangirala with the automatic water stage recorder and fittings was washed away; there were also slight breaches in low and high level channels of the Tippiyapalem Project; they were all promptly closed. An axle of one of the mechanical ploughs used for raising the shutters of the Kistna anicut, broke and the plough was stuck up on the middle of the anicut for about 15 days in July 1940. The plough was promptly removed. The river was well above 6 feet over the crest of the anicut during the period and the delta irrigation did not suffer for want of water. Due to the cyclone of May 1940 there were breaches in certain tanks and channels in the Nellore district. Arrangements were made to carry out necessary repairs. The restoration works necessitated by the floods in August 1939 in Salem district were under execution during the year. Due to heavy monsoon rains in November 1940, there were a number of minor breaches in the rivers and channels in the Tanjore and South Arcot districts. The breaches were all promptly closed and water was allowed for irrigation without serious interruption. There were some damages to the Coleroon right bank and to the margin in Alakudi at 97/1. Some protective works were done to Alakudi set and further damages averted; extensive works costing Rs. 75,700 have been sanctioned to arrest erosion at the set and to form a diversion

bank. High floods in November 1939 and heavy rains in 1940 caused damages to the banks of the Vadavar. The restoration works were completed during the year. In the Willingdon Reservoir a slip occurred in October 1940 and it was rectified under an estimate sanctioned for Rs. 7,660. The heavy rains of November 1940 also caused some breaches in the bank of Uyyakondan channel and in the Upper Peravalai channel. They were promptly repaired. The restoration works necessitated by the unprecedented rains of November 1939 to the Agniar aqueduct were completed during the year; the work particularly in the river bed, costing about Rs. 1,17,000, was done in a record time of five months. Due to heavy cloud bursts and rains in April 1940, there were breaches in some major tanks and supply channels in the Srivilliputtur taluk. They were closed before the advent of the north-east monsoon. Floods occurred again in November 1940 and there were many minor breaches in Ramnad and Tinnevely divisions. The breaches were closed promptly and repair works were carried out later in the year. Irrigation did not suffer in either case.

16. *Irrigation Advisory Boards.*—There are no Advisory Boards in the districts of Vizagapatam, Kurnool, Bellary, Anantapur, Cuddapah, Chittoor, Chingleput, North Arcot, South Arcot, Madura and Ramnad, these being non-deltaic. Two Boards were newly constituted during the year, in each of the Salem and Coimbatore districts. The two Boards for Cauvery channels in the Salem district and those already working in East Godavari, Kistna and Tinnevely were reconstituted during the year. The Boards in East Godavari, Kistna, Guntur and Nellore and the Cauvery delta Board in Tanjore district functioned satisfactorily. In West Godavari and Trichinopoly districts the Boards did good work while the one for the Tambraparni system in Tinnevely did not evince keen interest. The Boards in Salem district did little or no work during the year.

17. *Irrigation Panchayats.*—During the year under review four new Panchayats were formed. Ten Panchayats were dissolved and two did not function, leaving on the whole one hundred and one Panchayats working at the end of the year. All the Panchayats except twenty-seven worked satisfactorily during the year.

Chapter V.

A. IMPORTANT WORKS CARRIED OUT DURING THE YEAR.

I. Works for which Capital and Revenue Accounts are kept.

Cauvery Delta System—(1) *Remodelling the Odambogiar from 74/50 to the Kivalur dam (Estimate Rs. 1.1 lakhs).*—The work was completed. The outlay to the end of the year was Rs. 76,074.

(2) *Extension of Uyyakondan channel (Estimate Rupees 45,000).*—The work is in progress. The expenditure during the year was Rs. 7,045 and to the end of the year Rs. 28,924.

General—Development of irrigation.—The Special Revenue Officer appointed to look into the development of irrigation completed his investigation; his detailed report on the possibilities of further development is awaited.

Piping of channels as a preliminary to remodelling is in progress.

Godavari Delta System—(1) *Excavating a channel to Losarigutlapadu village* (Estimate Rs. 1,01,000—work slip Rs. 98,400).—The expenditure during the year was Rs. 7,933 and to the end of the year Rs. 87,746.

(2) *Excavating a channel to Vemuladevi village* (Estimate Rs. 1,10,000).—Outlay during the year was Rs. 12,230 and to the end of the year Rs. 98,165.

(3) *Remodelling Pallamkurru Nos. I and II channels of Bank Canal* (Estimate Rs. 31,700).—Outlay during the year was Rupees 3,980 and to the end of the year Rs. 31,231. A revised estimate for the work is under consideration.

Pennar River Canal System—(1) *Fitting up falling shutters to the Sangam anicut and extending irrigation under the Kanigiri Reservoir* (Estimate Rs. 1,36,500).—The expenditure during the year was Rs. 11,434 and to the end of the year Rs. 1,09,515. The work is nearing completion.

(2) *Fitting falling shutters to the Nellore Anicut to improve supply to the Surrepalli Canal and reservoir* (Estimate Rupees 31,000).—The outlay during the year was Rs. 2,902 and to the end of the year Rs. 19,434. The work has been almost completed.

Kistna Delta System—(1) *Kistna East Bank Canal* (Estimate Rs. 28,49,320).—The expenditure during the year was Rs. 54,077 and to the end of the year Rs. 27,47,282.

(2) *Campbell Canal* (Estimate Rs. 4,28,690).—The expenditure during the year was Rs. 9,206 and to the end of the year Rs. 3,80,721. The whole work except a few minor items had been completed.

(3) *Excavating the Appapuram Channel* (Estimate Rupees 10,75,700).—The expenditure during the year was Rs. 1,86,567 and to the end of the year Rs. 8,51,726.

(4) *Excavating the Kistna West High Level Channel* (Estimate Rs. 7,11,431).—The outlay during the year was Rs. 5,798 and to the end of the year Rs. 5,42,874. The work is nearing completion.

Cauvery-Mettur Project—*Reconstructing the vents (washed away) of Agniar aqueduct in Grand Anicut Canal and providing additional vents* (Estimate Rs. 1,98,000).—Outlay was Rupees 1,90,176 during the year and Rs. 1,92,242 to the end of the year. The work was completed.

Maintenance works.—As the existing rollers and roller grooves of the high and low level sluices were found defective, it became necessary to modify them. Necessary materials for the modifications have been received and the work is being put on hand. Due to heavy surplussing through the surplus sluices of the Stanley Reservoir, slight damages were caused to the top surface of the stepped aprons and scours were formed under the baffle and dividing walls. Necessary repair work was started in the last quarter of the year. The work is in progress and will be completed in 1941-42 before the irrigation season begins.

The work of special repairs to the outer slopes of Vettikad embankment (Estimate Rs. 9,900) was completed during the year.

Disposal of surplus materials.—The value of special tools and plant sold during the year was Rs. 1,15,519 including the excavator parts which fetched Rs. 19,019 in auction. Sales of heavy plant and machinery and other project surplus articles were better than last year, the total amounting to Rs. 1,15,519 as against Rs. 78,130 in the previous year.

Mettur Township Committee.—The Mettur Township was constituted into a municipality from 1st September 1940. The maintenance of water-supply, drainage and roads in the township area, however, continue to be in charge of the Public Works Department on behalf of the Mettur Township Committee.

Industrial development.—The Cotton Mills of the Mettur Industries, Limited, and the Sandal Wood Factory continued to function during the year. The Mettur Chemical and Industrial Corporation commenced erection of buildings and machinery and they are expected to commence work shortly.

Kattalai Scheme—*Excavating the Kattalai High Level Channel* (Estimate Rs. 15,91,000) and *Deviation Slip* (Rs. 22,75,000).—Outlay was Rs. 4,604 during the year and Rs. 14,75,824 to end of the year.

Duvvaleru Project—*Constructing an anicut across the Duvvaleru and excavating a supply channel to feed the Tripurantakam and other tanks—Kurnool division* (Estimate Rs. 1,14,000).—The expenditure during the year was Rs. 39,656 and to the end of the year Rs. 83,409. The work is in progress.

Navigation Works—Buckingham Canal.—An estimate for Rs. 18,000 for reconstructing the collapsed bridge across the Buckingham Canal at Kothapatnam in mile 178/3-4 was approved in June 1940 and the work is expected to be completed before the end of 1941-42.

II. Works for which Capital and Revenue accounts are not kept.

Godavari Northern Division—*Constructing a reservoir in Annavaram village, Peddapur taluk* (Estimate Rs. 22,300).—The expenditure during the year was Rs. 727 and to the end of the year Rs. 20,647. The work was completed during the year.

Godavari Central Division—Constructing a surplus weir at the head of Chalivagu (Estimate Rs. 24,600).—The outlay during the year was Rs. 1,009. The work is in progress.

Godavari Headworks Division—Reconstructing the Torrigedda Outfall sluice at 11/4 of Aganda Godavari Left Bank (Estimate Rs. 79,000).—The outlay during the year was Rs. 28,759. The work is in progress.

Kurnool Division—Restoration of Peddasettipalli spring channel (Estimate Rs. 44,900).—The outlay during the year was Rs. 3,518 and to the end of the year Rs. 42,623.

Nellore Division—Formation of a new tank in Gundamadakala village, Udayagiri taluk, Nellore district (Estimate Rs. 43,850).—The expenditure during the year was Rs. 117, and to the end of the year Rs. 30,472. Major portion of the work was completed in August 1939 but the abnormal floods of October 1939 breached the bund for a length of about 100 feet. While the breach closing work was in progress floods again came in the Vagu as a result of the cyclone of May 1940, and 70 feet of the bund and the low level sluice were washed away. There was no further progress during the year. A revised estimate amounting to Rs. 77,000 for the work was approved in January 1941 and the work is expected to be completed before the rainy season of 1942.

B. SEASON, RAINFALL AND SUPPLY.

Godavari Delta.—The first-crop season opened favourably. Transplantation was completed without difficulty. Freshes arrived on the second week of June 1940 and the supply was sufficient for the first and second crop seasons, but from the middle of February scarcity of water-supply was felt, as there was a sudden fall of water in the river. Turns were observed and proportionate supplies were maintained at the head of the three deltas. The yield of second crop was generally fair. To compensate for the loss of first crop caused by the heavy floods during July to September, water was supplied as in the previous year for an additional extent of 39,825 acres of second crop.

Nagavalli River System.—As in the previous year, there was sufficient supply in the Nagavalli Main Canal throughout the year under report.

Kistna Delta System.—The first freshes of the season arrived on the 16th May, i.e., earlier than usual. There were no high floods during the year. The season was satisfactory with regard to rainfall and the river supplies and the year was characterised by adequate rainfall during both the monsoons. The transplantation started much earlier than in the previous year, i.e., about the 15th June and was completed by about the end of July. This was due to very good supply from the river supplemented by timely rains during the period. The standing crops thrived well and harvest commenced from the second week of December. The yield was quite satisfactory and slightly above normal.

The heavy rains in August 1940 caused high floods in Budameru, East and West Tammileru; crops on an extent of about 7,500 acres in the Collair zone were submerged. Special arrangements were made to keep open the Kistna Eastern Delta Canals, feeding the tanks bordering on the Collair to enable them to raise a second crop. Some 2,000 acres were so cultivated and brought to maturity in addition to some 9,000 acres of sugarcane.

Kistna East Bank Canal System.—The conditions of supply were similar to those under Kistna Delta System. The irrigation under the canal was steadily increasing even though there was a slight fall in the area in the Divi Island which is mainly due to the sea wave which swept over the coastal lands of the island. To wash away the salinity of the lands, copious supply of water was made.

Pennar River Canal System.—Due to sufficient rains in the Nellore delta, supply of water during the irrigation season was satisfactory. First crop during the year was a great success and yield was also exceptionally good. It was also possible to raise a second crop over a large area of 18,000 acres in the whole delta.

Cauvery delta system.—The season was good throughout the year. There was no difficulty for irrigation supplies except the floods of November 1940 which affected the Shiyali and Tiruturai-pundi taluks, resulting in a certain extent of submersion. Conditions at Mettur being favourable, abundant supply was allowed in all the rivers during the year.

Grand Anicut Canal.—Due to heavy rains in the last week of November 1940, cultivation was hampered a little and transplantation began a bit late, necessitating extension of supply till 31st January.

Shatitope Anicut System.—Due to rains in November 1940, certain lands in the tail end irrigation of the system, viz., under Perumal tank were submerged. The submersion could not be avoided as the Paravanar was also in heavy floods at that time. There was no dearth of supply in the year.

Periyar System.—The rainfall was well above the average and irrigation of the whole delta went on very well. The general condition of the crops was good. Good supply was given this year to non-Periyar area and also to the tanks in Sivaganga zamin limits.

The highest flood during the year in the Vaigai was recorded at Peranai on the 27th November 1940, the front and rear gauge readings being 12.40 feet and 11.50 feet, respectively, when all the 10 gates were opened fully. The Periyar head sluice was opened on the 1st June 1940 with a lake level at 124.00 and was closed on 1st March 1941. The highest level to which the Periyar lake rose during the year was 152.08 on the 21st August 1940.

Tambraparni Anicut.—The average rainfall in the basin during the year was 52.83 inches against 22.42 inches in the previous year and the triennial average of 28.58 inches. The season was fair and supply adequate. Due however to excessive rains, the yield of the Pishanam is said to have suffered badly, yield being only 50 to 75 per cent of the normal.

C. CLOSURE OF CANALS.

The following statement shows the dates of closure and re-opening of canals in the Godavari and Kistna deltas :—

Godavari Delta.		
Canals.	Date of closure.	Date of reopening.
Eastern delta canals	4th May 1940 ..	1st June 1940.
Central delta canals	20th April 1940 ..	15th May 1940.
Western delta canals	1st May 1940 ..	1st June 1940.
Dummagudem canal	3rd April 1940 ..	10th June 1940.

Canals.	Kistna Delta.		Date of reopening.	Date of closure.
Kistna Eastern delta—				
Main canal	..	..	15th May 1940	.. 1st April 1941.
Bandar canal	..	..	Do.	.. Do.
Ryves canal	..	..	1st June 1940 ..	.. 1st March 1941.
Ellore canal	..	..	Do.	.. 15th March 1941.
East bank canal	..	..	15th May 1940	.. 1st March 1941.
Kistna Western delta—				
All canals	..	..	23rd May 1940	.. 15th March 1941.

D. INDUSTRIAL CROPS.

The area under sugarcane in the various systems for which capital and revenue accounts were kept during the year was 28,780 acres (chiefly in the Godavari and Kistna Delta systems and South Arcot, Chittoor and Anantapur districts) against 25,801 acres in the previous year. The sugarcane cultivation in the Kistna delta system is progressing well and shows promise of improvement. The area under indigo cultivation was 1,970 acres under the Pennar River Canal System against 814 acres in the previous year.

E. GENERAL REPORT ON WORKS FOR WHICH CAPITAL AND REVENUE
ACCOUNTS ARE NOT KEPT.

I. Irrigation works.

The number of works in this class during the year was as shown below:—

	Channels.	Tanks.	Other works.	Total.
In charge of Public Works Department	1,179	2,581	..	3,760
In charge of Revenue Department	5,479	24,488	1,721	31,688
Total ..	<u>6,658</u>	<u>27,069</u>	<u>1,721</u>	<u>35,448</u>

2. The area irrigated, the outlay and the revenue from works of this class are dealt with in paragraph 9 of Chapter IV.

**ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.**

17	Periyar system	1,04,64,627	3,71,027	1,08,35,654	31st March 1897.	2,78,000	6,373	2,84,373
18	Kistna delta system	2,13,89,210	12,75,868	2,26,65,078	31st March 1898.	..	..	..
19	Nandiyar channel system	63,231	2,484	65,715	1899	..	..	..
20	Chicacole minor rivers system.	2,78,196	11,030	2,89,226	31st March 1900.	..	..	..
21	Lower Coleroon anicut system.	29,13,423	88,246	30,01,669	30th June 1903 ..	60,583	568	61,151
22	Kistna East Bank Canal extension scheme.	56,95,964	1,07,793	58,03,757	31st October 1913.	..	1	1
23	Toludur reservoir project	23,71,023	2,51,758	26,22,781	31st October 1925.	..	..	..
24	Polavarum island project	16,69,109	27,466	16,96,575	28th Feb. 1934 ..	..	..	..
25	Cauvery-Mettur project	6,67,70,000	11,30,000	6,79,00,000	15th June 1929 ..	1,25,637	-701	-1,26,338
26	Kattalai scheme	44,22,274	91,438	45,13,712	1st December 1926.	15,847	343	16,190
Total, A. Irrigation—		15,26,00,924	70,67,077	15,96,68,001	2,79,335	7,900	..	2,87,235
(1) Productive.								
(2) Unproductive Works.								
1	Kurnool-Cuddapah canal	2,33,13,676	73,438	2,33,87,114	Not known	..	..	..
2	Barur tank	4,28,228	23,809	4,52,037	31st March 1891.	..	..	..
3	Vellur anicut	74,366	1,916	76,282	31st March 1893.	..	..	..
4	Madras water-supply and irrigation system.	16,28,864	2,40,054	18,68,918	1893	..	..	..
5	Pelandorai anicut system	6,43,302	48,772	6,92,074	1893	..	4	473
6	Palar anicut system	23,71,791	1,17,484	24,89,275	31st March 1896.	469	..	..
7	Muniyerus system	6,79,336	30,265	6,09,601	1901-02	..	..	..
8	Dandapad tank	1,24,786	16,218	1,40,004	31st March 1903.	..	..	..
9	Yerur tank	61,741	1,612	63,353	31st March 1907.	..	..	..
10	Sagileru system	4,47,108	17,619	4,64,727	Do.	..	..	..
11	Atnakur tank	1,11,959	13,444	1,25,403	31st August 1907.	..	..	..
12	Janganabeswarapuram tank.	61,253	10,411	71,664	31st March 1908.	..	..	..
13	Anamasamudram-Bersperu tank.	71,687	1,886	73,573	31st March 1910.	..	..	..
14	Hajipuram tank	2,78,774	33,109	3,11,883	31st March 1911.	..	..	..
15	Ponnalur tank	1,92,975	25,674	2,18,649	Do.	..	..	..
16	Markapur tank	1,94,481	4,859	1,29,340	Do.	..	..	..
17	Nagavalli river system	17,22,414	44,616	17,67,030	31st December 1913.	364	3	367
18	Venkatapuram tank	3,72,250	12,671	3,84,921	31st March 1918.	..	..	..
19	Bheavanasi tank	2,54,395	11,096	2,65,491	31st March 1919.	..	..	..

APPENDIX I.

STATISTICAL STATEMENTS (PRESCRIBED BY THE SECRETARY OF STATE).

A. J. — Statement of Canals in the Madras Presidency for the year 1940-41.

[illegible]

The receipts realized by the sale of plantation and produce of trees along river embankments amounted to Rs. 81,606 against Rs. 87,465 in the previous year.

2. The expenditure on maintenance was Rs. 5,28,840 against Rs. 5,63,319 in the previous year as detailed below:—

	1940-41.	1939-40.
	RS.	RS.
Works	5	249
Extensions and improvements	34,972	18,226
Maintenance and repairs	3,56,978	3,93,840
Establishment	1,29,883	1,42,664
Tools and plant	2,661	2,165
Other charges	4,841	3,675
Total ..	5,28,840	5,63,319

MADRAS,
24th December 1941. L. VENKATAKRISHNA AYYAR,
Chief Engineer, General and Irrigation.

A-I.—Statement of Canals in the Madras Presidency for the year 1940-41—*cont.*

Source of supply of water	Pennar river canal system.	Arunkota channel.	Tirukkoyilur ancient system.	Shattatope ancient system.	Cheyvar ancient system.	Poincy ancient system.	Kistna delta system.	Vandiyar channel system.
..	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Minimum discharge of river	..	..	134	136	..	..	..	..
Maximum discharge of main canals as designed.	8,392	552	1,271	850	1,542	3,217	14,286	237
Maximum discharge during the year	2,542	300	836	966	675	1,265	14,347	240
Average rainfall for the year	48.46	36.12	51.91	64.20	40.65	32.98	41.84	35.23
Gross area commanded	258,600	6,000	54,895	108,069	29,461	42,560	1,360,400	9,480
Culturable area commanded	190,000	5,000	45,977	43,965	29,461	23,824	1,000,000	9,480
Area irrigable by complete project	170,000	5,000	28,000	33,000	23,629	23,824	968,000	7,285
Area irrigable at present	167,600	4,321	28,000	33,000	22,687	22,462	876,000	7,280
Sanctioned estimate—								
Direct charges	47,80,239	1,47,006	3,99,190	10,89,561	5,39,999	3,08,918	1,42,13,010	68,231
Indirect charges	10,06,096	3,676	..	..	..	..	9,81,550	2,484
Interest during construction	22,88,418	..	..	..	..	..	1,28,24,716	..
Total, Estimate	80,74,803	1,50,682	3,99,190	10,89,561	5,39,999	3,08,918	2,80,18,886	65,715
Expenditure to end of 1940-41—								
Direct charges	58,58,903	1,40,769	5,94,167	11,97,142	5,39,999	2,95,106	2,08,00,553	63,231
Indirect charges	10,15,451	3,676	..	..	..	8,812	11,78,851	2,484
Interest during construction	25,94,125	..	..	..	..	..	96,16,269	..
Total, Expenditure	94,67,779	1,44,445	5,94,167	11,97,142	5,39,999	3,03,918	3,15,94,673	65,715

Works completed at end of 1940-41—

Main canal, irrigation	26½	Miles.
Branch canal, irrigation	455-1/3	"
Distributaries	..	"

Of above—

Navigable

384½

6½
17-1/8A-I.—Statement of Canals in the Madras Presidency for the year 1940-41—*cont.*

Source of supply of water	Chittoor minor rivers system.	Lower Coleroon ancient system.	Kistna East Bank canal extension scheme (Div. pumping system).	Polavaram island project.	Kattalai scheme—Total of (a), (b) and (c).	Kurmoor-Guddepatu canal.	Valluru ancient system.	Pelandaresi ancient system.
..	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Minimum discharge of river	..	..	..	..	..	227	..	208
Maximum discharge of main canals as designed.	..	3,456	1,257	292	1,671	2,000	113	740
Maximum discharge during the year	43.07	3,621	1,271	255	1,436	1,680	35.66	705
Average rainfall for the year	88.00	59.38	43.96	50.08	26.57	31.93	61.28	53.75
Gross area commanded	70,000	158,526	170,000	23,135	78,597	333,115	6,974	60,670
Culturable area commanded	67,000	117,233	138,000	18,648	74,978	337,589	6,974	18,677
Area irrigable by complete project	66,800	110,308	88,000	17,500	72,207	130,292	5,316	18,000
Area irrigable at present	66,800	107,929	88,000	17,500	68,632	123,419	5,216	12,837
Sanctioned estimate—								
Direct charges	2,78,196	30,01,669	58,03,757	17,97,194	45,13,712	2,33,87,114	76,282	6,92,074
Indirect charges	11,080	..	..	..	..	..	..	..
Interest during construction	..	30,01,669	58,03,757	18,21,657	45,13,712	2,33,87,114	76,282	6,92,074
Total, Estimate	2,89,276	30,01,669	58,03,757	18,21,657	45,13,712	2,33,87,114	76,282	6,92,074
Expenditure to end of 1940-41—								
Direct charges	2,78,196	34,31,337	58,29,448	16,96,575	38,72,546	2,33,13,676	74,366	6,92,074
Indirect charges	11,080	..	..	..	12,91,508	73,438	1,916	..
Interest during construction	..	..	..	..	52,62,927	73,438	..	..
Total, Expenditure	2,89,276	34,31,337	58,29,448	16,96,575	52,62,927	2,33,87,114	76,282	6,92,074
Works completed at end of 1940-41—								
Main canal, irrigation	87½	94	37	..	74½	417-5/8	5-5/8	15
Branch canal, irrigation	191-7/8	289	294	44-5/8	106-1/8	294-7/8	8	24
Distributaries	78-3/8	620½	..	..	..	..	..	25
Of above—	..	..	35½	..	..	75	..	..
Navigable	..	..	..	..	..	..	..	..

* Kattalai.

South bank canal.	High level channel.	Srirama-samudram canal.
(a)	(b)	(c)
42,000	25,597	11,000
41,000	28,378	10,600
40,000	21,807	10,400
36,164	21,318	10,150

A.I.—Statement of Canals in the Madras Presidency for the year 1940-41—cont.

Source of supply of water	Palar ancient system.	Munivaru system.	Sagileru system.	Nagavalli river system.	Nagavaram anicut and supply channel.	Kaniyam-palayam anicut.	Ved-raniyam canal.	Buckingham canal.
Minimum discharge of river	(25) River Palar.	(26) River Munivaru.	(27) River Sagileru.	(28) River Nagavalli.	(29) River Gunjaneru.	(30) River Bhavani.	(31) ..	(32) ..
Maximum discharge of main canals as designed	5,631	300	477	414	78	27-56	..	..
Maximum discharge during the year	3,604	292	188	448	23-81	44-11	..	..
Area commanded for the year	39-95	36-48	40-42	47-63	34-83	1,600	..	..
Area actually commanded	140,131	14,471	33,576	49,920	894	1,400	..	..
Area actually commanded by complete project	106,032	13,024	26,576	31,200	894	400	..	..
Area irrigable at present	82,718	10,580	4,500	27,500	894	392	..	..
Sanctioned estimate—								
Direct charges	24,89,275	6,09,601	4,47,108	17,47,770	1,07,295	1,36,343	1,32,699	91,09,671
Indirect charges	..	..	17,619	85,530	2,585	3,757	3,733	..
Interest during construction	..	..	..	2,93,217	..	..	..	..
Total, Estimate	24,89,275	6,09,601	4,64,727	21,09,517	1,09,890	1,40,100	1,36,432	91,09,671
Expenditure to end of 1940-41—								
Direct charges	24,89,275	6,09,601	4,47,108	17,02,185	1,07,295	1,32,699	1,32,699	90,84,803
Indirect charges	..	..	17,619	82,506	2,585	3,853	3,733	..
Interest during construction	..	..	..	2,93,217	..	..	..	..
Total, Expenditure	24,89,275	6,09,601	4,64,727	20,37,888	1,09,890	1,11,074	1,36,432	90,84,803
Works completed at end of 1940-41—								
Main canal irrigation	157	264	12	644	2	104	314	2-2
Branch canal irrigation	..	..	..	474	..	..	..	..
Distributaries	..	..	..	..	..	..	..	..
Of above—								
Navigable	..	..	..	..	..	..	31	262

A.II.—Statement of Reservoir Projects in the Madras Presidency for the year 1940-41.

Source of supply of water	Chemburam tank.	Cumbum tank.	Periyar system.	Talundur (Willundon) reservoir.	Cauvery-Mettur Project.	Barur tank.	Madras water-supply and irrigation system.
Area of catchment	100	430	239	50	16,300	2,082	34
Area of catchment during the year	41-93	29-07	106-46	45-88	127-81	28-86	54-78
Contents of tank between levels of surface of full supply and sill of canal head slope	3,146	2,942-17	9,315	2,591-58	36-52	..	..
Area of surface at full supply	5,729	5,697	10-20 sq. miles.	3,946	93,500	248-6	2,729-864
Area commanded	32,554	7,860	768,000	38,400	497,200	6,887	16,129
Area actually commanded	24,478	6,000	Not known.	28,800	497,200	6,887	10,166
Area irrigable by complete project	15,390	6,000	143,000	27,870	332,000	6,887	9,852
Area irrigable at present	13,000	5,980	143,000	26,000	332,000	4,500	7,500
Sanctioned estimate—							
Direct charges	7,64,143	88,985	1,08,35,654	29,60,000	7,23,11,000	4,00,000	18,68,918
Indirect charges	..	2,388	..	2,50,000	13,97,000	25,300	..
Interest during construction	..	..	..	2,10,270	1,42,81,366	41,439	..
Total, Estimate	7,64,143	89,373	1,08,35,654	34,20,270	8,79,89,366	4,66,739	18,68,918
Expenditure to end of 1940-41—							
Direct charges	7,64,143	88,985	1,04,64,627	26,22,781	6,47,71,888	4,19,375	16,71,682
Indirect charges	..	2,388	3,71,027	..	10,46,337	23,788	2,50,037
Interest during construction	..	..	16,96,402	..	2,41,45,532	90,175	..
Total, Expenditure	7,64,143	89,373	1,24,42,056	26,22,781	8,99,63,757	5,23,288	19,21,719
Works completed to end of 1940-41—							
Pam (height completed)	25	56	173	50	214	28	30
Canals	104	..	152	314	1134	11	114
Distributaries	14	234	118	40	5844	26	..

A-II.—Statement of Reservoir Projects in the Madras Presidency for the year 1940-41—cont.

Source of supply of water	Dondapad tank.	Yerur tank.	Atmakur tank.	Janga-maheswara-puram tank.	Anama-saundaram-Beraperu tank.	Hajipuram tank.	Ponnalur tank.
.. .. .	(8)	(9)	(10)	(11)	(12)	(13)	(14)
.. .. .	Rainfall ..	Rainfall and surplus tanks and spill from Chak-lakalva branch of Swarna-mukl.	Catchment of Chandra vanka and Kolagunda vagu.	Catchment of Dondi vagu.	Beraperu river.	Damaleru diverted into the tank.	Gudiseleru diverted into the tank.
If supplied by } Area of catchment .. Sq. miles. Average rainfall during the year .. Inches.	56	60.50	105	60	23.62	100.20	32.14
Contents of tank between levels of surface of full supply and all of canal head slope .. Mill. c.ft.	288.38	317.09	764	79	90.57	309	180.512
Area of surface at full supply .. Acres.	705	3,256	575	619	474	1,600	719
Gross area commanded ..	3,240	3,176	1,700	960	1,000	2,900	1,973
Culturable area commanded ..	2,860	3,176	1,160	960	1,000	2,900	1,973
Area irrigable by complete project ..	260	3,176	480	290	1,000	700	1,000
Area irrigable at present ..	250	1,470	480	290	1,000	700	1,000
Sanctioned estimate ..	1,24,786	61,741	1,25,403	61,253	71,687	2,78,774	2,18,649
Direct charges ..	15,218	1,612	1,25,403	10,411	1,886	33,109	2,18,649
Interest during construction ..	1,40,004	63,353	1,25,403	71,664	73,573	3,11,883	2,18,649
Total, Estimate ..	1,24,786	61,741	1,25,403	61,253	71,687	2,78,774	2,18,649
Expenditure to end of 1940-41 ..	15,218	1,612	1,25,403	10,411	1,886	33,109	2,18,649
Direct charges ..	1,40,004	63,353	1,25,403	71,664	73,573	3,11,883	2,18,649
Interest during construction ..	1,40,004	63,353	1,25,403	71,664	73,573	3,11,883	2,18,649
Total, Expenditure ..	1,40,004	63,353	1,25,403	71,664	73,573	3,11,883	2,18,649
Works completed to end of 1940-41 ..	23	..	33	24	..	6	21½
Dam (height completed) .. Feet.	(partly in masonry and partly in earth).	..	..	..	..	(masonry).	..
Canals ..	..	..	..	..	..	..	..
Distributaries ..	..	..	..	..	..	..	..

A-II.—Statement of Reservoir Projects in the Madras Presidency for the year 1940-41—cont.

Source of supply of water	Marapur tank.	Venkata-puram tank.	Bhavanasi tank.	Yollaru tank.	Paniapatti reservoir.	Siddapur tank.	Mopad reservoir.
.. .. .	(15)	(16)	(17)	(18)	(19)	(20)	(21)
.. .. .	Gundla-kamma river.	Free basin and supply from Dhona vagu.	Rainfall.	Catchment basin and supply from Chitravati river.	Drainage basin.	Bhavanasi and other vagus.	Mannaru.
If supplied by } Area of catchment .. Sq. miles. Average rainfall during the year .. Inches.	270.25	51	43	20.50	108	45	250
Contents of tank between levels of surface of full supply and all of canal head slope .. Mill. c.ft.	41.25	21.50	29.56	22.42	32.08	45.44	34.39
Area of surface at full supply .. Acres.	124.52	237	174.64	342.5	235	626	2,007
Gross area commanded ..	811	448	650	2,617	809	1,125	2,100
Culturable area commanded ..	1,931	1,700	2,700	1,707	2,500	4,900	13,280
Area irrigable by complete project ..	1,701	1,700	2,448	1,641	4,250	4,250	12,500
Area irrigable at present ..	1,588	340	841	925	1,000	1,000	12,500
Sanctioned estimate ..	1,29,340	3,84,921	2,65,491	2,39,192	3,34,090	9,21,980	21,97,000
Direct charges ..	1,29,340	3,84,921	2,65,491	30,515	68,510	25,620	1,00,000
Interest during construction ..	1,29,340	3,84,921	2,65,491	2,69,707	4,04,600	..	22,97,000
Total, Estimate ..	1,29,340	3,84,921	2,65,491	2,69,707	4,04,600	..	22,97,000
Expenditure to end of 1940-41 ..	1,29,340	3,84,921	2,65,491	2,69,707	4,04,600	..	22,97,000
Direct charges ..	1,29,340	3,84,921	2,65,491	2,69,707	4,04,600	..	22,97,000
Interest during construction ..	1,29,340	3,84,921	2,65,491	2,69,707	4,04,600	..	22,97,000
Total, Expenditure ..	1,29,340	3,84,921	2,65,491	2,69,707	4,04,600	..	22,97,000
Works completed to end of 1940-41 ..	22	31	20	15	40 (core wall).	27.5	71½
Dam (height completed) .. Feet.	(earth).	..	..	..	..	..	..
Canals ..	..	..	..	..	..	..	..
Distributaries ..	..	..	..	..	..	..	..

* The reservoir breached in 1980 and it never had a wet ayacut.

APPENDIX 1

[illegible]

APPENDIX I

Schematic system.	action { To end of previous year. During the year ..	9,04,113	1,36,118	660	..	..	10,20,886	59,675	10,89,561	12,34,038
Cherttal system.	anicut { To end of previous year. During the year ..	4,20,163	1,06,941	744	..	50	5,24,798	15,201	5,39,999	49,345
Cumbam tank	.. { To end of previous year. During the year ..	68,701	15,284	..	..	..	83,985	2,388	84,373	23,616
Ponnai anicut system.	.. { To end of previous year. During the year ..	2,34,263	60,576	287	..	..	2,96,106	8,812	3,03,918	1,55,151
Periyar system	.. { To end of previous year. During the year ..	80,28,808	10,90,788	7,66,897	..	21,311	1,04,64,627	3,71,027	1,08,95,654	3,779
Kilaud delta system.	.. { To end of previous year. During the year ..	1,80,23,735	39,55,576	7,23,326	..	43,475	2,06,59,162	12,23,564	2,18,82,726	6,69,351
Nandiyar channel	.. { To end of previous year. During the year ..	2,05,792	71,857	398	..	47	2,78,000	6,373	2,84,373	13,280
Chikazooke minor river system.	.. { To end of previous year. During the year ..	51,476	11,755	..	..	..	63,231	2,484	65,715	1,88,51,433
Lower Coleroon anicut system.	.. { To end of previous year. During the year ..	2,27,662	50,107	427	..	..	2,78,196	11,080	2,89,226	4,70,908
Kistna canal extension scheme.	.. { To end of previous year. During the year ..	24,57,252	4,42,566	16,780	..	3,175	29,13,423	88,246	30,01,669	3,42,17,168
Tatavur reservoir project.	.. { To end of previous year. During the year ..	42,12,891	7,99,294	6,88,673	..	38,765	56,62,093	1,06,304	57,68,297	9,33,577
Polarvaram project.	.. { To end of previous year. During the year ..	54,145	20,996	105	..	14,663	60,583	568	61,151	96,009
Coarvey-Mettur project.	.. { To end of previous year. During the year ..	15,99,590	4,75,288	3,05,980	..	9,815	23,71,023	2,51,757	26,22,780	2,845
Kattalal scheme	.. { To end of previous year. During the year ..	12,89,984	3,68,930	14,344	..	4,099	16,69,109	27,466	16,96,575	3,02,701
Total.	.. { To end of previous year. During the year ..	6,03,51,944	62,42,776	2,97,512	..	99,362	6,47,65,877	10,46,918	6,58,12,795	12,519
Works - i. Productive Works.	.. { To end of previous year. During the year ..	70,129	6,282	271	..	4,514	1,25,637	701	1,26,338	12,519
	.. { To end of previous year. During the year ..	34,31,453	4,73,135	52,603	..	10,540	39,46,955	96,994	40,43,949	40,25,958
	.. { To end of previous year. During the year ..	11,709	4,122	16	..	..	15,847	343	16,190	1,31,104
	.. { To end of previous year. During the year ..	12,80,41,271	2,12,54,860	41,26,336	..	23,83,655	14,91,38,174	69,24,711	15,60,62,885	1,81,104
	.. { To end of previous year. During the year ..	2,40,948	1,15,446	585	..	73,180	2,79,385	7,900	2,87,295	38,42,334
	.. { To end of previous year. During the year ..				..					2,55,537
	.. { To end of previous year. During the year ..				..					22,70,438
	.. { To end of previous year. During the year ..				..					1,06,852
	.. { To end of previous year. During the year ..				..					9,96,824
	.. { To end of previous year. During the year ..				..					75,102
	.. { To end of previous year. During the year ..				..					3,28,08,137
	.. { To end of previous year. During the year ..				..					29,11,620
	.. { To end of previous year. During the year ..				..					16,39,507
	.. { To end of previous year. During the year ..				..					1,77,758
	.. { To end of previous year. During the year ..				..					16,39,72,811
	.. { To end of previous year. During the year ..				..					67,13,432

B.I.—Capital Accounts of Irrigation, Navigation, Embankment and Drainage Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year 1940-41—cont.

Direct charges (net expenditure).									
Works.	Establishment.	Tools and plant.	Suspense.	Deduct receipts on capital account.	Total.	Indirect charges.	Total excluding interest.	Simple interest.	
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
A. IRRIGATION WORKS—cont.									
2. UNPRODUCTIVE WORKS—cont.									
Basavannah channel { To end of previous year.	4,63,839	1,12,166	2,197	..	5,83,202	6,578	5,89,780	3,14,658	
During the year ..	..	..	..	..	..	..	..	..	
Duvvaleru project. { To end of previous year.	43,753	21,366	11	..	69,130	484	69,614	26,230	
During the year ..	39,656	13,845	76	..	53,577	398	53,973	2,073	
Total, A. Irrigation Works—2. Unproductive Works. { To end of previous year.	3,05,40,739	28,62,228	47,51,271	..	3,02,899	9,05,113	3,87,56,452	4,214	
During the year ..	41,815	14,581	83	..	56,479	418	56,897	6,93,67,441	
Total, A. Irrigation Works. { To end of previous year.	15,65,82,010	2,41,17,098	89,77,607	99,362	26,86,554	78,29,824	19,48,19,337	17,04,095	
During the year ..	2,82,763	1,30,027	668	4,514	73,130	8,318	3,44,132	23,33,40,252	
B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS.									
2. UNPRODUCTIVE WORKS.									
Vedaranyam canal. { To end of previous year.	1,07,885	24,814	..	..	1,32,699	3,733	1,36,432	3,62,055	
During the year ..	..	..	..	..	..	..	..	..	
Buckingham canal. { To end of previous year.	68,23,104	16,14,766	1,81,040	..	85,94,545	4,89,482	90,84,027	5,971	
During the year ..	638	131	1	..	770	6	776	1,87,94,183	
Total, B. Navigation, etc., Works—2. Unproductive Works. { To end of previous year.	69,30,989	16,39,580	1,81,040	..	87,27,244	4,89,215	92,20,459	3,86,768	
During the year ..	638	131	1	..	770	6	776	1,91,56,283	
Total, B. Navigation, etc., Works. { To end of previous year.	69,30,989	16,39,580	1,81,040	..	87,27,244	4,89,215	92,20,459	3,92,739	
During the year ..	638	131	1	..	770	6	776	1,91,56,288	
Total, Construction of Irrigation, etc., Works. { To end of previous year.	16,55,12,999	2,57,56,688	90,58,647	99,362	27,10,919	83,23,039	20,40,39,796	3,92,739	
During the year ..	2,83,401	1,30,158	669	4,514	73,130	8,324	3,44,908	25,24,96,490	
								88,10,23	

APPENDIX I

C.I.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year ending 1940-41.

Works or systems.	Revenue (actual receipts).									
	Irrigation revenue.	Share of land revenue.	Total.	Navigation.	Plantation.	Miscellaneous.	Total.	Less refunds of revenue.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.		RS.
A. IRRIGATION WORKS.										
1. PRODUCTIVE WORKS.										
1 Cauvery delta system ..	40,26,911	1,24,013	41,50,924	572	5,383	3,735	9,750	372		
2 Sittankottam ancient system ..	2,00,968	1,490	2,02,458	..	7,295	7,370	7,665	17		
3 Gopavari delta system ..	44,50,004	2,30,379	46,80,383	1,94,143	7,093	40,320	2,41,768	5,650		
4 Melamattur ancient system ..	22,823	196	23,019	..	33	513	566	..		
5 Thadapalli channel system ..	1,30,788	2,929	1,33,717	..	1,174	422	1,336	..		
6 Kallugurayam channel system ..	1,17,301	433	1,17,734	..	1,177	210	1,387	..		
7 Vridhachalam ancient system ..	32,576	339	32,915	..	227	12	239	..		
8 Chemburakkam tank system ..	51,343	979	52,322	..	21	125	125	..		
9 Nandivar ancient system ..	1,76,925	279	1,77,204	..	..	1,920	1,941	139		
10 Pennar river canal system ..	8,02,888	73,047	8,75,935	616	..	2,815	3,461	..		
11 Arankota channel system ..	33,334	428	33,762	..	185	63	248	..		
12 Tirukkoyilur ancient system ..	1,12,702	3,369	1,16,071	..	510	173	623	..		
13 Shadiatope ancient system ..	1,37,852	17,031	1,54,883	..	204	248	452	..		
14 Chervar ancient system ..	85,397	4,735	90,132	..	44	1,913	1,057	..		
15 Chembur tank system ..	37,637	401	38,038	..	..	..	..	..		
16 Polney ancient system ..	95,063	5,488	1,00,556	..	112	170	282	..		
17 Periyar system ..	7,72,221	94,863	8,67,084	..	4,801	9,078	14,485	..		
18 Kistna delta system ..	40,77,330	1,91,123	42,68,453	316	3,036	16,577	2,08,788	1,347		
19 Nandivar minor rivers system ..	29,847	250	30,097	..	203	63	268	..		
20 Calacote minor rivers system ..	1,23,101	7,874	1,30,975	..	1,675	56	5,268	..		
21 Lower Coleroon ancient system ..	4,09,499	51,515	4,61,014	..	437	3,565	3,909	..		
22 Kistna East Bank canal extension scheme ..	4,73,438	87,205	5,60,643	..	7	3,563	2,771	..		
23 Tolatur reservoir system ..	1,26,498	87,205	1,26,443	..	259	563	590	..		
24 Polavaram island project ..	95,836	448	96,284	..	1,775	17,809	822	..		
25 Cauvery-Mettur project ..	11,13,001	..	14,13,001	..	2,435	1,392	19,583	..		
26 Kattalai scheme ..	3,14,096	121	3,14,217	..	..	..	3,827	..		
Total, A. Irrigation Works—1. Productive Works ..	1,83,84,524	8,99,253	1,92,83,777	3,24,694	31,153	1,71,864	5,29,686	11,430		
2. UNPRODUCTIVE WORKS.										
1 Kurnool-Cuddapah canal ..	3,11,004	3,019	3,14,023	114	3,560	5,779	9,453	9		
2 Barur tank ..	22,192	787	22,979	..	..	1,822	1,822	..		
3 Valur ancient ..	22,547	1,074	23,621	..	..	539	1,822	..		
4 Madras Water-supply and Irrigation system ..	45,434	462	45,896	..	468	39,707	39,707	..		
5 Pelandur ancient system ..	2,97,710	86	2,97,796	..	482	544	1,012	..		
6 Palar ancient system ..	42,078	18,852	60,930	..	13	955	1,437	..		
7 Munieru sicut system ..	..	62	42,140	..	..	726	1,437	..		

C-I.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classed as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year ending 1940-41—cont.

Works or systems.	Revenue (actual receipts).															Less refunds of revenue.
	Irrigation.			Navigation.			Plantation.			Miscellaneous.			Total.			
	Irrigation revenue.	Share of land revenue.	Total.	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
(1)																
A. IRRIGATION WORKS—cont.																
2. UNPRODUCTIVE WORKS—cont.																
8 Dondapad tank	1,378	10	1,388													
9 Yerru tank	1,863	86	1,949													
10 Sagluru system	25,173	26	25,199													
11 Atmakur tank	1,957		1,957													
12 Jannabeswarapuram tank	4,315		4,315													
13 Annamamundram-Bersapur tank	4,315		4,315													
14 Kallapuram tank	4,309		4,309													
15 Ponnalur tank	10,928		10,928													
16 Marapur tank	89,471		89,471													
17 Nagavalli river system	1,972		1,972													
18 Vembapuram tank	5,129		5,129													
19 Kallapuram tank	1,851		1,851													
20 Yerru tank	6,111		6,111													
21 Ponnalur tank	4,198		4,198													
22 Ponnalur tank	39,732		39,732													
23 Ponnalur tank	10,189		10,189													
24 Ponnalur tank																
25 Ponnalur tank																
26 Ponnalur tank																
27 Ponnalur tank																
28 Ponnalur tank																
Total A. Irrigation Works—2. Unproductive Works	9,56,589	51,437	10,08,026		114	4,549		55,002		59,865					9	
Total A. Irrigation Works	1,93,41,113	9,50,990	2,02,91,803		3,26,778	35,707		2,26,866		5,80,351					11,439	
B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS.																
2. UNPRODUCTIVE WORKS.																
1 Vedaranyam canal					713	656		5,940		713					149	
2 Buckingham canal					1,01,529					1,08,125						
Total B. Navigation, etc., Works—2. Unproductive Works					1,02,242	656		5,940		1,08,838					149	
Total B. Navigation, etc., Works					1,02,242	656		5,940		1,08,838					149	
Total Collection of Irrigation, etc., Works	1,93,41,113	9,50,990	2,02,91,803		4,29,020	36,363		2,32,806		6,98,189					11,588	

C-I.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classed as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year ending 1940-41—cont.

Works or systems.	Revenue (actual receipts)—cont.				Working expenses—Revenue management.										
	Gross revenue less refunds.		Deduct share of old irrigation revenue.		Total revenue due to improvements.		Establishment.								
	(10)	RS.	(11)	RS.	(12)	RS.	(13)	Direction.	(14)	Execution.	(15)	Civil officers.	(16)	RS.	Total revenue management.
A. IRRIGATION WORKS—cont.															
1. PRODUCTIVE WORKS—cont.															
1 Cauvery delta system	41,60,482		29,82,028		11,98,376							2,07,529			2,07,529
2 Sathurani tank system	2,19,106		78,000		1,81,106							6,173			6,173
3 Godevaru delta system	49,16,691		1,24,000		47,92,691							2,25,917			2,25,917
4 Kallapuram tank system	1,35,255		78,000		59,255							997			997
5 Kallapuram tank system	1,19,127		85,000		34,127							2,886			2,886
6 Kallapuram tank system	34,154		8,500		25,654							1,639			1,639
7 Kallapuram tank system	52,432		15,000		37,432							1,270			1,270
8 Kallapuram tank system	1,79,006		15,000		64,006							1,815			1,815
9 Kallapuram tank system	8,79,398		2,56,000		6,23,398							3,110			3,110
10 Kallapuram tank system	34,610		19,000		15,610							29,843			29,843
11 Kallapuram tank system	1,16,691		60,000		56,691							768			768
12 Kallapuram tank system	1,65,321		20,000		1,45,321							2,804			2,804
13 Kallapuram tank system	91,158		39,000		52,158							6,744			6,744
14 Kallapuram tank system	1,00,888		30,000		70,888							2,485			2,485
15 Kallapuram tank system	8,31,432		2,04,000		6,27,432							4,005			4,005
16 Kallapuram tank system	44,27,394		77,000		43,50,394							3,125			3,125
17 Kallapuram tank system	1,30,831		95,000		35,831							29,428			29,428
18 Kallapuram tank system	4,66,185		1,55,000		3,11,185							2,06,234			2,06,234
19 Kallapuram tank system	5,31,781		20,500		5,11,281							646			646
20 Kallapuram tank system	1,27,583		10,500		1,17,083							1,895			1,895
21 Kallapuram tank system	1,06,658		99,971		6,687							15,301			15,301
22 Kallapuram tank system	14,32,255		2,54,000		11,78,255							23,524			23,524
23 Kallapuram tank system	3,47,416		2,54,000		92,416							5,818			5,818
24 Kallapuram tank system												4,792			4,792
25 Kallapuram tank system												65,651			65,651
26 Kallapuram tank system												4,506			4,506
Total, A. Irrigation Works—1. Productive Works	1,98,02,033		48,58,447		1,49,43,586							8,55,305			8,55,305
2. UNPRODUCTIVE WORKS—cont.															
1 Kurnool-Cuddapah canal	3,23,467		35,872		2,87,595							13,886			13,886
2 Barur tank	24,796		4,500		20,296							594			594
3 Barur tank	5,171		5,000		171							18			18
4 Madras Water supply and Irrigation system	62,716		11,000		51,716							600			600
5 Polalur tank system	46,532		3,000		43,532							2,120			2,120
6 Palur tank system	3,16,011		1,25,000		1,91,011							9,428			9,428
7 Munyuru tank system	42,879		2,500		40,379							1,982			1,982
8 Dondapad tank	1,336				1,336							69			69

C-I.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year ending 1940-41—*cont.*

Works or systems.	Revenue (actual receipts)— <i>cont.</i>			Working expenses—Revenue management.		
	Gross revenue less refunds.		Deduct share of old irrigation revenue.	Total revenue due to improvement.		Total revenue management.
	(10) RS.	(11) RS.		(12) RS.	(13) Direction.	(14) Establishment.
					(15) Civil officer.	(16) RS.
A. IRRIGATION WORKS—<i>cont.</i>						
2. UNPRODUCTIVE WORKS—<i>cont.</i>						
9 Yeru tank ..	377	425	1,302	—	—	65
10 Bagluru system ..	25,252	17,800	7,452	370	—	370
11 Attakur tank ..	1,981	—	1,981	98	—	98
12 Jangamabeswarapuram tank ..	1,978	500	1,478	24	—	24
13 Anasamudram-Beraipeta tank ..	4,316	3,600	716	36	—	36
14 Halpuram tank ..	5,466	—	5,466	272	—	272
15 Ponchar tank ..	4,809	—	4,809	215	—	215
16 Mettapur tank ..	10,930	2,130	8,800	440	—	440
17 Kaveri river system ..	1,11,661	37,400	74,261	2,887	—	2,887
18 Venkatapuram tank ..	2,010	164	1,846	92	—	92
19 Bhavani tank ..	5,152	—	5,152	256	—	256
20 Yellandu tank ..	2,955	—	2,955	128	—	128
21 Padmapati reservoir project ..	—	—	—	—	—	—
22 Suddapur tank ..	6,111	—	6,111	306	—	306
23 Nagavani silt and supply channel ..	5,210	2,256	2,954	104	—	104
24 Mogal reservoir system ..	45,030	483	44,547	1,998	—	1,998
25 Kavalumpalayam silt ..	4,000	—	4,000	—	—	—
26 Tirupattur project ..	10,189	—	10,189	507	—	507
27 Rameswaram channel ..	97	—	97	—	—	—
28 Davudra project ..	—	—	—	—	—	—
Total, A. Irrigation Works—2. Unproductive Works ..	10,67,682	2,51,580	8,16,102	36,630	3,91,935	36,630
Total, A. Irrigation Works ..	2,08,69,715	51,10,027	1,57,59,688	—	—	3,91,935
B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—<i>cont.</i>						
2. UNPRODUCTIVE WORKS—<i>cont.</i>						
1 Vedarasayam canal ..	713	—	713	—	—	—
2 Eutlingham canal ..	1,07,976	—	1,07,976	—	—	—
Total, B. Navigation, etc., Works—2. Unproductive Works ..	1,08,689	—	1,08,689	—	—	—
Total, B. Navigation, etc., Works ..	1,08,689	—	1,08,689	—	—	—
Total, Construction of Irrigation, etc., Works ..	2,09,78,404	51,10,027	1,58,68,377	—	3,91,935	3,91,935

C-I.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year ending 1940-41—*cont.*

Works or systems.	Working expenses.			Maintenance and repairs.			Total cost of maintenance.		
	Establishment.		Total.	Extensions and improvements.		Total.	Tools and plant.		Deduct recoveries on revenue account.
	(17) Direction.	(18) Execution.		(19) RS.	(20) RS.		(21) RS.	(22) RS.	
A. IRRIGATION WORKS—<i>cont.</i>									
1. PRODUCTIVE WORKS—<i>cont.</i>									
1 Gaveri delta system ..	64,566	2,58,293	3,22,859	31,101	6,01,112	879	—	—	9,55,921
2 Srirangapatnam silt system ..	5,661	22,643	28,304	1,912	6,01,005	213	—	—	80,098
3 Ghatani delta system ..	75,374	3,02,234	3,77,608	62,407	6,22,094	8,311	—	—	10,70,685
4 Mahadul silt system ..	456	1,819	2,274	1,395	3,580	7	—	—	7,175
5 Thadavali channel system ..	731	2,925	3,656	1,395	8,989	36	—	—	12,492
6 Kalluray channel system ..	1,328	3,313	4,641	2,269	12,927	23	—	—	15,584
7 Vedarasayam silt system ..	1,235	5,179	6,414	1,543	10,698	11	—	—	22,593
8 Othmanabhai tank system ..	1,390	1,562	2,952	1,338	54,313	84	—	—	9,178
9 Marudur silt system ..	1,577	6,309	7,886	1,338	10,698	11	—	—	20,376
10 Peralur silt system ..	4,359	17,358	21,697	1,338	54,313	84	—	—	77,680
11 Aradur channel system ..	459	1,831	2,290	3,888	29,802	28	—	—	9,103
12 Kalluray silt system ..	2,232	8,228	11,160	3,888	29,802	37	—	—	37,899
13 Kalluray silt system ..	2,044	14,374	16,418	1,472	26,316	36	—	—	42,047
14 Chettyar silt system ..	2,070	8,280	10,350	4,494	26,316	116	—	—	39,250
15 Channur silt system ..	240	3,662	3,902	270	20,500	81	—	—	3,977
16 Kalluray silt system ..	1,400	5,632	7,032	4,634	1,01,005	81	—	—	1,71,102
17 Kalluray silt system ..	13,164	52,656	65,820	24,933	4,76,082	438	—	—	7,63,823
18 Kalluray silt system ..	56,183	2,24,734	2,80,917	24,933	4,76,082	971	—	—	6,539
19 Kalluray silt system ..	3,006	1,825	4,831	2,710	31,301	6	—	—	54,176
20 Chinnai channel silt system ..	3,221	12,556	15,777	3,402	97,894	457	—	—	1,47,112
21 Lower Chinnai silt system ..	3,043	36,761	43,804	2,894	54,895	147	—	—	82,518
22 Kirtur East Bank Canal extension scheme ..	5,357	21,426	26,783	2,894	25,315	197	—	—	35,677
23 Tondur reservoir system ..	2,246	3,991	6,237	1,059	14,943	28	—	—	27,488
24 Polavaram island project ..	1,354	5,415	6,769	1,059	2,50,510	763	—	—	6,03,186
25 Gaveri-Mettur project ..	31,895	1,27,378	1,59,273	2,11,831	52,067	77	—	—	78,186
26 Kalluray silt system ..	4,514	18,039	22,553	3,481	52,067	77	—	—	44,24,023
Total, A. Irrigation Works—1. Productive Works ..	2,92,651	11,70,805	14,63,256	3,71,462	25,77,523	11,782	—	—	1,03,852
2. UNPRODUCTIVE WORKS—<i>cont.</i>									
1 Kalluray-Cuddapah canal ..	6,950	27,790	34,740	104	68,868	133	—	—	7,101
2 Vairu tank ..	451	1,806	2,257	1,119	4,701	24	—	—	18,076
3 Vairu silt ..	292	1,168	1,460	—	13,005	20	—	—	23,886
4 Madras Water-supply and Irrigation system ..	1,432	5,730	7,162	105	57,529	198	—	—	78,829
5 Peralur silt system ..	4,102	16,410	20,512	592	5,981	12	—	—	9,268
6 Peralur silt system ..	655	2,620	3,275	—	—	—	—	—	—

C.I.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classified as “Productive” and “Unproductive”) for which Capital and Revenue Accounts are kept in the Madras Presidency for the year ending 1940-41—cont.

Works or systems.	Working expenses—cont.					Net revenue	
	Deduct old maintenance charges.					Total.	Due to improvements.
	Indirect charges.	Grand total of working expenses.	Direct charges.	Indirect charges.	Total.	(31) RS.	(32) RS.
	(25) RS.	(26) RS.	(27) RS.	(28) RS.	(29) RS.		
A. IRRIGATION WORKS—cont.							
2. UNPRODUCTIVE WORKS—cont.							
6 Palur ancient system ..	581	88,888	3,987	31	4,018	2,27,173	1,06,191
7 Munjyaru ancient system ..	60	11,210	301	2	303	31,569	29,372
8 Vondavur tank ..	1	352	..	..	..	1,152	1,152
9 Venu tank ..	7	352	..	..	..	1,729	2,154
10 Sogileru system ..	30	4,562	2,952	22	2,974	20,690	5,864
11 Atankur tank ..	..	165	..	..	..	1,816	1,816
12 Jangannaswarapuram tank ..	8	441	..	..	..	537	37
13 Jangannaswarapuram-Benapur tank ..	6	721	771	7	778	3,595	773
14 Rajapuram tank ..	5	961	..	..	..	4,505	4,505
15 Ponnalur tank ..	6	1,077	..	..	..	3,232	3,232
16 Kottur tank ..	39	5,998	327	2	329	4,332	3,131
17 Nagavalli river system ..	108	81,789	3,992	29	4,021	79,892	46,513
18 Vekkalapuram tank ..	10	1,520	..	..	..	490	326
19 Vekkalapuram tank ..	12	1,950	..	..	..	3,202	3,202
20 Vekkalapuram tank ..	35	4,988	..	..	..	2,043	2,043
21 Pailupalli reservoir project ..	..	..	..	..	..	..	..
22 Sodepur tank ..	6	1,222	..	..	..	4,889	4,889
23 Ponnalur tank ..	4	589	..	..	..	4,021	2,365
24 Moped reservoir system ..	50	8,796	..	..	..	86,284	85,401
25 Kottur tank ..	6	804	..	..	..	3,196	3,196
26 Kottur tank ..	..	561	..	..	..	9,578	9,578
27 Kottur tank ..	53	7,183	..	..	..	7,086	7,086
28 Duvvuru project ..	..	..	..	..	..	..	..
Total, A. Irrigation Works—2. Unproductive Works	2,224	3,52,994	22,681	175	22,856	7,14,688	4,85,964
B. NAVIGATION EMBANKMENT AND DRAINAGE WORKS—cont.							
2. UNPRODUCTIVE WORKS—cont.							
1 Vedaranyam canal ..	41	5,546	..	..	..	4,833	4,833
2 Buckingham canal ..	2,210	2,65,795	..	..	..	1,60,819	1,60,819
Total, B. Navigation, etc., Works—2. Unproductive Works	2,251	2,71,341	..	..	..	1,65,652	1,65,652
Total, B. Navigation, etc., Works	2,251	2,71,341	..	..	..	1,65,652	1,65,652
Total, Construction of Irrigation, etc., Works	34,069	59,83,267	10,96,294	6,952	11,03,246	1,50,40,147	1,10,33,366

C.II.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works for, and up to the end of 1940-41.

Name of works.	Mileage in operation.		Estimated cost of construction (direct and indirect).		Date of completion of work.		Date when system first came into operation.		Total capital outlay (direct and indirect).		Accumulated arrears of interest.		Accumulated surplus revenue.		Total sum-at-charge column (7) plus column (8).	
	(1)	(2)	(3)	(4)	(5)	(6-a)	(6-b)	(6-c)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
4. IRRIGATION WORKS.																
1. PRODUCTIVE WORKS.																
1. Quarry delta system ..	92½	2,768½	83,26,762	..	31-3-1889	..	..	..	82,83,952	..	..	..	4,96,31,734	82,83,952	..	..
2. Sivalikunda ancient system ..	28	46	17,75,083	..	31-3-1889	..	..	..	17,75,083	..	..	..	90,348	17,75,083	..	..
3. Godavari delta system ..	609-5/8	1,887	1,91,32,980	..	31-3-1890	..	1877-78	..	1,90,16,887	..	..	..	14,62,99,404	1,90,16,887	..	..
4. Mahanadi ancient system ..	15	9½	87,184	..	March 1891	..	..	..	87,184	..	..	..	3,62,207	87,184	..	..
5. Thandavali channel ..	86	..	1,77,446	..	1893	..	..	..	1,77,446	..	..	..	19,48,176	1,77,446	..	..
6. Kalingarayana channel ..	62½	..	1,80,486	..	1893	..	..	..	1,80,486	..	..	..	7,23,779	1,80,486	..	..
7. Vridhachalam ancient system ..	38	16	1,08,204	..	31-3-1893	..	..	..	1,08,204	..	..	..	6,84,653	1,08,204	..	..
8. Ombemambakkam tank ..	10-7/8	7½	7,64,143	..	31-3-1893	..	..	..	7,64,143	..	..	..	4,88,519	7,64,143	..	..
9. Marudorankol system ..	29	7½	60,122	..	1893	..	..	..	60,122	..	..	..	40,90,313	60,122	..	..
10. Ponnalur river canal system ..	26½	455-1/3	70,97,958	..	31-3-1894	..	1360-61	..	70,48,734	..	..	..	1,09,64,085	70,48,734	..	..
11. Arakkola channel ..	187	28½	1,44,445	..	31-3-1894	..	..	..	1,44,445	..	..	..	83,712	1,44,445	..	..
12. Tirukottaiyur ancient system ..	41	149	3,99,100	..	31-3-1895	..	..	..	3,99,100	..	..	..	8,53,419	3,99,100	..	..
13. Sankalope ancient system ..	61	120	10,89,561	..	31-3-1895	..	..	..	10,89,561	..	..	..	47,34,565	10,89,561	..	..
14. Chettyar ancient system ..	120	234	5,36,999	..	31-3-1896	..	..	..	5,36,999	..	..	..	23,795	5,36,999	..	..
15. Ombem tank ..	104	78	86,373	..	31-3-1896	..	..	..	86,373	..	..	..	33,316	86,373	..	..
16. Pottay ancient system ..	104	78	3,03,918	..	1897	..	..	..	3,03,918	..	..	..	13,97,994	3,03,918	..	..
17. Pottay ancient system ..	152	118	1,08,35,654	..	31-3-1897	..	1896-97	..	1,08,35,654	..	..	..	35,00,835	1,08,35,654	..	..
18. Kinnu delta system ..	388	2,116½	2,26,05,078	..	31-3-1898	..	..	..	2,21,67,099	..	..	..	11,40,31,670	2,21,67,099	..	..
19. Nandiyar channel ..	10½	12½	65,715	..	1899	..	1898-96	..	65,715	..	..	..	11,821	65,715	..	..
20. Chikacole Mhor river system ..	279-3/8	78-3/8	2,89,226	..	31-3-1900	..	..	..	2,89,226	..	..	..	7,47,519	2,89,226	..	..
21. Lower Coleroon ancient system ..	383	620½	30,01,669	..	30-6-1903	..	..	..	30,01,669	..	..	..	1,39,23,183	30,01,669	..	..
22. Kinnu East Bank canal extension ..	37	204	58,03,757	..	31-10-1913	..	1917-18	..	58,29,448	..	..	..	3,61,689	58,29,448	..	..
23. Toludur Reservoir ..	31½	40	24,22,781	..	31-10-1925	..	1924-25	..	26,22,781	..	..	..	..	41,27,330	..	..
24. Polavaram ..	..	..	16,98,575	..	28-2-1934	..	1929-30	..	16,98,575	..	..	..	..	17,97,999	..	..
25. Cauvery-Mettur system ..	118-6/8	594½	6,79,00,000	..	30-9-1934	..	1932-33	..	6,56,86,457	..	..	..	..	9,61,47,418	..	..
26. Kattalai system ..	74½	1,08½	45,13,712	..	..	..	1929-30	..	40,56,839	..	..	..	..	57,48,784	..	..
Total, A. Irrigation—1. Productive Works..	3,549½	9,611	15,96,65,001	..	..	..	..	..	15,63,50,120	3,37,50,879	35,48,51,720	19,01,00,999	..	..	..	..

C.II.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works for, and up to the end of 1940-41—cont.

Financial results of the year 1940-41.											
Name of works.	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on capital outlay [column (7)].	Percentage on sum-at-charge [column (10)].	Interest.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts [column (12) to column (11)].	PER CENT.
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
RS.	RS.	RS.	RS.	PER CENT.	PER CENT.	RS.	RS.	RS.	ACRES.	RS.	PER CENT.
A. IRRIGATION WORKS.											
—cont.											
1. PRODUCTIVE WORKS—cont.											
1. Cauvery delta system..	11,95,376	3,85,222	8,63,154	10.42	3.60,326	5,02,828	..	..	238,596	27.97	60.05
2. Srivattankulam..	1,31,106	78,724	52,382	2.95	75,036	27,26,252	22,654	22,654	20,609	60.05	27.20
3. Godavari delta system..	47,92,691	13,08,508	34,89,183	18.32	7,82,931	..	..	..	659,369	39.19	35.58
4. Madhavpur..	20,585	8,068	12,517	14.36	3,828	8,639	..	..	4,705	18.26	35.58
5. Thekayalli channel..	50,255	10,820	48,435	27.30	7,437	40,948	..	..	3,098	18.26	35.58
6. Kallapuram channel..	34,127	12,141	21,986	12.47	7,919	14,067	..	..	5,030	18.26	35.58
7. Vaidhachan..	25,654	24,024	1,630	1.51	4,686	..	..	3,056	7,463	93.65	12.41
8. Chennambattam..	36,422	4,521	31,901	4.17	29,311	2,593	..	..	5,411	12.41	25.85
9. Marudurai..	64,006	16,546	47,460	7.94	2,642	44,818	..	..	14,550	25.85	11.54
10. Ponnai river..	6,23,306	71,962	5,51,344	7.82	2,70,775	2,80,659	..	..	97,752	11.54	58.23
11. Arambur..	16,610	8,777	6,833	4.73	6,335	4,875	..	..	2,187	58.23	60.51
12. Tiruvallur..	56,694	34,305	22,389	5.61	17,514	4,375	..	..	17,562	60.51	34.02
13. Shalabur..	1,95,891	46,848	1,49,043	8.12	46,845	43,128	9,308	9,308	34,066	34.02	72.58
14. Chervay..	97,890	14,308	83,582	2.65	23,616	..	..	..	21,250	72.58	41.15
15. Chinnab..	59,198	3,332	55,866	5.52	3,779	..	..	..	3,948	41.15	41.98
16. Ponnai..	8,098	4,768	3,330	12.00	18,280	23,182	..	..	11,513	41.98	24.04
17. Ponnai..	62,989	26,877	36,112	4.75	4,70,908	43,654	..	..	101,829	24.04	22.58
18. Ponnai..	6,77,432	1,62,840	5,14,592	15.39	9,38,577	24,77,741	..	..	798,728	22.58	21.68
19. Ponnai..	44,06,384	9,26,076	34,80,308	15.93	2,845	7,623	..	..	3,284	21.68	131.41
20. Ponnai..	13,365	2,897	10,468	15.93	12,519	..	..	24,465	15,426	49.43	16.62
21. Ponnai..	38,031	49,977	11,946	4.13	1,31,104	26,264	..	..	73,856	16.62	38.31
22. Ponnai..	3,11,185	1,53,817	1,57,368	5.24	2,55,537	1,95,924	..	..	17,963	38.31	33.58
23. Ponnai..	5,41,481	90,020	4,51,461	7.74	1,04,652	..	..	10,904	19,193	33.58	49.38
24. Ponnai..	1,16,943	44,706	72,237	2.75	75,102	..	..	22,37,300	109,757	49.38	18.95
25. Ponnai..	94,653	32,469	62,184	9.78	20,11,020	..	..	1,02,043	29,727	18.95	28.31
26. Ponnai..	13,32,314	6,57,804	6,74,510	1.03	1,77,758	..	..	..	..	..	..
27. Ponnai..	93,415	17,700	75,715	1.36	..	..	..	..	..	..	..
Total, A. Irrigation—	43,50,532	1,47,13,054	1,47,13,054	5.94	67,13,432	38,99,632	..	..	2,601,323	..	..
(1) Productive Works.	1,47,13,054	1,47,13,054	1,47,13,054	5.94	67,13,432	38,99,632	..	..	2,601,323	..	..

C.II.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works for, and up to the end of 1940-41—cont.

General financial results to end of 1940-41.											
Sl. No.	Name of works.	Mileage in operation.		Estimated cost of construction (direct and indirect).	Date of completion of work.	Date when system first came into operation.	Total capital outlay (direct and indirect).	Accumulated arrears of interest.	Accumulated surplus revenues.	Total sum-at-charge [column (7) plus column (8)].	RS.
		Main canals and branches.	Distributaries.								
(1)	(2)	(3)	(4)	(5)	(6-a)	(6-b)	(7)	(8)	(9)	(10)	RS.
A. IRRIGATION WORKS											
—cont.											
2. UNPRODUCTIVE WORKS.											
1	Kannak-Chadapah canal.	417-5/8	294-7/8	2,33,87,114	Not known.	1882-83	2,33,87,114	4,36,50,021	..	6,70,37,135	RS.
2	Berru tank	11	23	4,52,037	31-3-1891	1887-88	4,52,037	4,54,957	..	9,06,994	..
3	Vallur siltent	5-5/8	8	76,282	31-3-1893	..	76,282	54,144	..	1,30,426	..
4	Madras water-supply and irrigation system.	11 1/2	..	18,68,918	1893	..	18,68,918	29,16,467	..	47,85,385	..
5	Ponnai siltent	39	25	6,92,074	1893	..	6,92,074	4,66,799	..	11,58,873	..
6	Ponnai siltent	157	227	24,89,276	31-3-1896	..	24,89,276	5,31,369	..	30,21,141	..
7	Minjerysalem system	51 1/2	8	6,09,601	1901-02	1898-99	6,09,601	2,73,449	..	8,83,050	..
8	Pondaspet tank	..	6-7/8	1,40,004	31-3-1903	1898-99	1,40,004	1,98,314	..	3,38,318	..
9	Yerus tank	..	..	63,353	31-3-1907	1912-13	63,353	57,284	..	1,20,617	..
10	Sachari system	12	..	4,64,727	31-3-1907	1898-99	4,64,727	7,58,770	..	12,23,497	..
11	Attamur tank	..	4 1/2	1,25,403	31-3-1907	1912-13	1,25,403	1,08,471	..	2,33,874	..
12	Jengmalahewasapuram tank	..	5-1/8	71,664	31-3-1908	1912-13	71,664	69,650	..	1,41,314	..
13	Arasamangalam-Bera-peru tank	..	2-7/8	73,573	31-3-1910	1911-12	73,573	87,064	..	1,60,687	..
14	Maljapuram tank	..	4 1/2	3,11,863	31-3-1911	1910-11	3,11,863	2,75,236	..	5,87,199	..
15	Ponnai tank	..	7 1/2	3,18,649	31-3-1911	1910-11	3,18,649	2,53,647	..	5,72,296	..
16	Markapur tank	..	..	1,29,340	31-3-1911	1909-10	1,29,340	1,09,173	..	2,38,513	..
17	Nagavalli river system.	64 1/2	47 1/2	17,67,080	31-12-1913	1909-10	17,66,540	4,77,840	..	22,44,380	..
18	Venkatapuram tank	..	..	3,84,921	31-3-1913	1921-22	3,84,921	3,82,670	..	7,67,591	..
19	Thavanesi tank	..	6-3/8	2,65,491	31-3-1919	1921-22	2,65,491	2,65,442	..	5,30,933	..
20	Yellur tank	..	3-7/8	2,69,707	31-3-1919	1920-21	2,69,707	2,09,410	..	4,79,117	..
21	Pandapatti reservoir	..	1 1/2	3,39,276	30-6-1919	1924-25	3,39,276	3,16,403	..	6,55,679	..
22	Siddipatti tank	..	9	8,04,486	31-10-1919	1921-22	8,04,486	7,41,834	..	15,46,320	..
23	Nagavaram siltent and supply channel	2	..	1,03,890	31-12-1919	1920-21	1,03,890	76,003	..	1,80,893	..
24	Mopid reservoir	16-7/8	84	22,90,575	30-4-1921	1921-22	22,90,575	19,24,008	..	42,14,583	..
25	Kannirampalayam system	..	..	1,11,074	31-3-1922	1924-25	1,11,074	1,17,539	..	2,28,613	..
26	Tippayyalem project	..	10 1/2	5,91,910	In progress.	In progress.	5,91,910	1,60,825	..	7,52,735	..
27	Basavanna channel	..	..	5,92,100	Do.	Do.	5,92,100	4,29,349	..	10,21,449	..
28	Duvvala project	..	..	1,62,075	Do.	Do.	1,62,075	6,287	..	1,68,362	..
Total, A. Irrigation—2. Unproductive Works		828-1/8	760-1/8	3,88,54,422	..	..	3,88,13,349	5,63,96,155	..	9,42,08,504	..
Total, A. Irrigation Works		4,372-1/8	10,871-1/8	10,85,22,423	..	..	19,51,63,489	8,91,46,034	..	28,43,09,503	..

C-II.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works for, and up to the end of 1940-41—cont.

Number of works.		Financial results of the year 1940-41.									
Name of works.		Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on capital outlay [column (7)].	Percentage on sum-at-charge [column (10)].	Interest.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts [column (12) to (11)].
		(11) RS.	(12) RS.	(13) RS.	(14) PER CENT.	(15) PER CENT.	(16) RS.	(17) RS.	(18) RS.	(19) ACS.	(20) PER CENT.
B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—cont.											
2. UNPRODUCTIVE WORKS											
—cont.											
1 Vedaranyam canal ..	712	5,549	—	4,833	—	0.53	5,971	..	10,804	..	777.84
2 Buckingham canal ..	1,07,976	2,63,795	—	1,60,819	—	0.49	3,86,768	..	5,47,587	..	245.94
Total, 2. Unproductive Works ..	1,03,689	2,74,341	—	1,65,652	—	0.49	3,92,739	..	5,53,391	..	252.41
Total, R. Navigation, etc., Works ..	1,03,689	2,74,341	—	1,65,652	—	0.49	3,92,739	..	5,53,391	..	252.41
Total, Construction of Irrigation, etc., Works.	1,53,03,377	43,35,011	1,10,33,336	5.49	3.47	88,10,286	22,23,101	..	..	2,574,922	30.47

C-III.—Demands and Realizations during the year 1940-41 in the Madras Presidency—Irrigation, Navigation, Embankment and Drainage Works (classed as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept.

Works or systems.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Balance demands realized up to the commencement of the year.	Demand for the year.	Total.	Deduct remissions including cash refunds.	Net total.	Deduct amount realized at the close of the year.	Actual total receipts of the year.	Deduct share due to old irrigation.	Net amount due to improvements.	
		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
A. IRRIGATION WORKS.										
1. PRODUCTIVE WORKS.										
1 Cauvery delta system ..	..	52,69,895	52,69,895	11,09,433	41,60,462	..	41,60,462	29,62,086	11,98,376	..
2 Srivaikuntam ancient system ..	..	2,41,782	2,41,782	31,676	2,10,106	..	2,10,106	79,000	1,31,106	..
3 Godavari delta system ..	..	58,22,794	58,22,794	9,06,103	49,16,691	..	49,16,691	1,24,000	47,92,691	..
4 Melamattur ancient system ..	..	29,473	29,473	4,888	24,585	..	24,585	4,000	20,585	..
5 Tindivanai channel system ..	..	1,53,443	1,53,443	18,188	1,35,255	..	1,35,255	76,000	59,255	..
6 Kalnagarayan channel system ..	..	1,33,897	1,33,897	14,770	1,19,127	..	1,19,127	85,000	34,127	..
7 Vridhachalam ancient system ..	..	43,863	43,863	9,709	34,154	..	34,154	8,500	25,654	..
8 Chembambakkam tank system ..	..	61,435	61,435	9,013	52,422	..	52,422	16,000	36,422	..
9 Marudur ancient system ..	..	2,09,219	2,09,219	30,213	1,79,006	..	1,79,006	2,56,000	64,006	..
10 Pennar river canals system ..	..	9,80,883	9,86,883	1,07,487	8,79,396	..	8,79,396	1,15,000	7,64,396	..
11 Arkenkova channel system ..	..	39,441	39,441	5,031	34,410	..	34,410	19,000	15,410	..
12 Tirukkoyilur ancient system ..	..	1,41,189	1,41,189	24,495	1,16,694	..	1,16,694	60,000	56,694	..
13 Shadirope ancient system ..	..	1,86,890	1,86,890	31,569	1,55,321	..	1,55,321	20,000	1,35,321	..
14 Cheyyar ancient system ..	..	1,17,764	1,17,764	26,576	91,188	..	91,188	39,000	52,188	..
15 Cumbum tank system ..	..	42,343	42,343	4,245	38,098	..	38,098	30,000	8,098	..
16 Poineyar ancient system ..	..	1,17,922	1,17,922	17,083	1,00,839	..	1,00,839	38,000	62,839	..
17 Periyar project system ..	..	10,94,791	10,94,791	2,13,359	8,81,432	..	8,81,432	2,04,000	6,77,432	..
18 Kistna delta system ..	..	51,72,690	51,72,690	6,96,396	44,77,394	..	44,77,394	71,000	44,06,394	..
19 Nandiyar channel system ..	..	35,038	35,038	4,673	30,365	..	30,365	17,000	13,365	..
20 Chicacole minor rivers system ..	..	1,60,986	1,60,986	27,955	1,33,031	..	1,33,031	95,000	38,031	..
21 Lower Coleroon ancient system ..	..	6,41,544	6,41,544	1,75,359	4,66,185	..	4,66,185	1,55,000	3,11,185	..
22 Kistna East Bank canal extension scheme ..	..	6,10,380	6,10,380	48,599	5,61,781	..	5,61,781	20,300	5,41,481	..
23 Toludur reservoir system ..	..	1,29,168	1,29,168	1,635	1,27,533	..	1,27,533	10,590	1,16,943	..
24 Polavarani island project ..	..	96,672	96,672	14	96,658	..	96,658	..	96,658	..
25 Cauvery-Mettur project ..	..	14,76,733	14,76,733	44,438	14,32,295	..	14,32,295	99,971	13,32,324	..
26 Kattalai scheme ..	..	4,04,922	4,04,922	57,507	3,47,415	..	3,47,415	2,54,000	93,415	..
Total, A. Irrigation Works—1. Productive Works ..	..	2,34,21,347	2,34,21,347	36,49,314	1,93,02,033	..	1,93,02,033	48,58,447	1,49,43,586	..

C-III.—Demands and Realizations during the year 1940-41 in the Madras Presidency—Irrigation, Navigation, Embankment and Drainage Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept—cont.

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Works or systems.	Balance of demands un- realized at the close of the year (1)	Demand for the year. (2)	Total. (3)	Deduct remissions including cash refunds. (4)	Net total. (5)	Deduct amount realized at the close of the year. (6)	Actual total receipts of the year. (7)	Deduct share due to old irrigation. (8)	Net amount due to old improvements. (9)	(10)
A. IRRIGATION WORKS—cont.										
2. UNPRODUCTIVE WORKS.										
1 Kurnool-Chodispath canal ..	..	Rs. 3,51,629	Rs. 3,51,629	28,162	3,23,467	..	3,23,467	35,872	2,87,595	
2 Barur tank ..	..	28,434	28,434	3,686	24,748	..	24,748	4,500	20,248	
3 Vallur ancient system ..	..	8,768	8,768	3,597	5,171	..	5,171	5,000	171	
4 Madras Water-supply and irrigation system ..	..	66,497	66,497	3,781	62,716	..	62,716	11,000	51,716	
5 Pelandur ancient system ..	..	57,430	57,430	10,907	46,523	..	46,523	3,000	43,523	
6 Palur ancient system ..	..	3,74,456	3,74,456	58,445	3,16,011	..	3,16,011	1,25,000	1,91,011	
7 Muthiyar ancient system ..	..	51,826	51,826	8,947	42,879	..	42,879	2,500	40,379	
8 Dondapudi tank ..	..	1,526	1,526	1,138	418	..	418	..	418	
9 Yern tank ..	..	8,268	8,268	4,165	4,103	..	4,103	425	3,678	
10 Baglora system ..	..	27,431	27,431	2,179	25,252	..	25,252	17,800	7,452	
11 Attanakur tank ..	..	2,266	2,266	285	1,981	..	1,981	..	1,981	
12 Jangamshewarapuram tank ..	..	1,152	1,152	174	978	..	978	500	478	
13 Annamandram-Bera- pur tank ..	..	4,846	4,846	530	4,316	..	4,316	3,600	716	
14 Hajipuram tank ..	..	5,823	5,823	357	5,466	..	5,466	..	5,466	
15 Ponnalur tank ..	..	1,822	1,822	543	1,279	..	1,279	..	1,279	
16 Marthapur tank ..	..	11,824	11,824	694	11,130	..	11,130	2,130	9,000	
17 Nagavalli river system ..	..	1,35,666	1,35,666	24,002	1,11,664	..	1,11,664	37,400	74,264	
18 Ventalapuram tank ..	..	2,052	2,052	42	2,010	..	2,010	164	1,846	
19 Bhavanad tank ..	..	5,228	5,228	76	5,152	..	5,152	..	5,152	
20 Yellanur tank ..	..	3,707	3,707	762	2,945	..	2,945	..	2,945	
21 Periyar reservoir tank ..	..	6,111	6,111	..	6,111	..	6,111	..	6,111	
22 Suddapur tank and supply channel ..	..	5,568	5,568	358	5,210	..	5,210	2,256	2,954	
23 Nagavaram ancient and reservoir system ..	..	45,212	45,212	182	45,030	..	45,030	433	44,597	
24 Mopid reservoir system ..	..	4,000	4,000	..	4,000	..	4,000	..	4,000	
25 Kamlayampalayam ancient project ..	..	10,139	10,139	..	10,139	..	10,139	..	10,139	
26 Tippayampalayam project ..	..	97	97	..	97	..	97	..	97	
27 Resavanna channel ..	..	..	..	..	..	..	..	..	..	
28 Devvaluru project ..	..	..	..	..	..	..	..	..	..	
Total, A. Irrigation Works— 2. Unproductive Works ..	..	12,19,687	12,19,687	1,52,005	10,67,682	..	10,67,682	2,51,580	8,16,102	
Total, A. Irrigation Works ..	..	2,46,41,034	2,46,41,034	37,71,319	2,08,69,715	..	2,08,69,715	51,10,027	1,57,59,688	

B. NAVIGATION, EMBANK-
MENT AND DRAINAGE
WORKS.

2. UNPRODUCTIVE WORKS.										
1 Vedaranyam canal ..	..	713	713	..	713	..	713	..	713	
2 Buckingham canal ..	..	1,08,125	1,08,125	149	1,07,976	..	1,07,976	..	1,07,976	
Total, B. Navigation, etc., Works—2. Unproductive Works ..	..	1,08,838	1,08,838	149	1,08,689	..	1,08,689	..	1,08,689	
Total, B. Navigation, etc., Works ..	..	1,08,838	1,08,838	149	1,08,689	..	1,08,689	..	1,08,689	
Total, Construction of Irriga- tion, etc., Works ..	..	2,47,49,872	2,47,49,872	37,71,463	2,09,78,404	..	2,09,78,404	51,10,027	1,58,68,377	

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C-IV.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year 1940-41 based on the assessment for the year.

Works or systems.	Revenue assessed during the year.									
	Capital outlay (direct and indirect) to end of the year.			Direct revenue.			Indirect revenue and land revenue due to operations of canal.			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A. IRRIGATION WORKS.										
1. PRODUCTIVE WORKS.										
1 Cauvery delta system	82,83,952	5,333	572	3,795	9,750	41,50,984	272	41,50,984	272	41,50,984
2 Srivaikuntam ancient system	17,75,065	253	..	7,370	7,665	2,02,458	17	2,02,458	17	2,10,106
3 Godavari delta system	1,90,46,837	7,095	1,91,143	4,020	2,41,758	46,80,533	5,650	46,80,533	5,650	49,16,691
4 Mahanadi ancient system	57,164	53	..	513	566	24,019	..	24,019	..	24,585
5 Chudampalli channel system	1,77,446	1,114	..	422	1,536	1,33,727	8	1,33,727	8	1,35,255
6 Singarayam channel system	1,80,466	1,174	..	210	1,387	1,17,784	44	1,17,784	44	1,19,127
7 Riddhachalam ancient system	1,08,204	227	..	12	239	38,915	..	38,915	..	39,142
8 Chembambakkam ancient system	7,64,163	..	..	125	1,25	52,300	3	52,300	3	52,422
9 Marudur ancient system	60,123	..	..	1,920	1,941	1,77,204	139	1,77,204	139	1,79,006
10 Pennar river canals system	70,45,734	..	..	616	3,461	8,75,985	..	8,75,985	..	8,79,395
11 Arakonid channel system	1,44,145	195	..	63	248	34,362	..	34,362	..	34,610
12 Tirukkoilur ancient system	3,99,130	510	..	113	623	1,16,071	..	1,16,071	..	1,16,694
13 Shastripe ancient system	10,89,661	204	..	243	432	1,54,883	14	1,54,883	14	1,55,321
14 Cheyyar ancient system	5,39,949	44	..	1,013	1,057	90,132	1	90,132	1	91,188
15 Chembam tank system	68,573	..	..	..	..	38,098	..	38,098	..	38,098
16 Pottay ancient system	3,03,913	112	..	1,70	282	7,00,556	..	7,00,556	..	7,00,556
17 Periyar project system	1,08,35,664	4,391	..	9,073	14,455	8,67,054	137	8,67,054	137	8,81,432
18 Kistna delta system	2,21,87,099	3,056	..	76,577	2,09,788	42,64,953	1,347	42,64,953	1,347	44,77,394
19 Nandiyar channel system	65,715	203	..	65	268	30,097	..	30,097	..	30,365
20 Onicadole minor rivers system	2,89,226	..	..	..	..	1,32,375	..	1,32,375	..	1,33,031
21 Lower Coeroon ancient system	30,01,669	1,075	..	355	5,268	4,61,014	97	4,61,014	97	4,66,185
22 Kistna West Bank canal extension scheme.	53,29,443	..	..	3,265	3,909	5,60,443	2,771	5,60,443	2,771	5,61,781
23 Tondur reservoir project	26,32,751	437	..	153	590	1,26,946	3	1,26,946	3	1,27,533
24 Pottayam island project	16,94,575	239	..	583	822	95,836	..	95,836	..	96,658
25 Cauvery-Mettur project	6,66,86,457	1,775	..	17,808	19,583	14,13,001	239	14,13,001	239	14,32,285
26 Pattala scheme	40,59,359	2,435	..	1,392	3,827	3,44,217	629	3,44,217	629	3,47,415
Total, A. Irrigation Works—1. Productive Works	15,63,50,120	31,158	..	1,71,864	5,29,686	1,92,83,777	11,430	1,92,83,777	11,430	1,98,02,033

2. UNPRODUCTIVE WORKS.										
1 Kurnool-Cuddapah canal	2,33,37,114	3,560	114	5,779	9,458	3,14,023	9	3,14,023	9	3,23,467
2 Rapp tank	4,53,037	..	..	1,822	1,822	22,979	3	22,979	3	24,798
3 Valler ancient system	76,282	..	..	539	539	4,832	..	4,832	..	5,171
4 Madras water-supply and irrigation system	18,69,318	468	..	39,707	39,707	22,019	..	22,019	..	62,716
5 Peddural ancient system	6,92,074	482	..	541	1,012	45,620	..	45,620	..	46,532
6 Palar ancient system	24,80,275	482	..	955	1,437	3,14,562	13	3,14,562	13	3,16,011
7 Muniyern system	6,09,601	13	..	726	739	43,140	..	43,140	..	42,879
8 Dondapad tank	1,40,004	..	..	..	..	1,388	..	1,388	..	1,888
9 Yerur tank	63,353	..	..	..	..	877	..	877	..	877
10 Sulluri system	4,64,727	..	..	53	53	25,199	..	25,199	..	25,252
11 Annakur tank	1,25,403	..	..	30	30	1,957	..	1,957	..	1,981
12 Jangamaheswarapuram tank	71,664	..	..	2	2	4,316	..	4,316	..	4,316
13 Annasandram-Berapur tank	73,873	..	..	..	..	5,466	..	5,466	..	5,466
14 Rallipuzha tank	3,11,883	..	..	..	..	4,308	..	4,308	..	4,308
15 Ponnalur do.	2,18,649	..	..	..	..	10,929	..	10,929	..	10,930
16 Maravalli river system	1,29,340	1	..	618	618	1,11,043	..	1,11,043	..	1,11,661
17 Nagavalli river system	17,66,340	..	..	..	..	2,010	..	2,010	..	2,010
18 Vembapuram tank	8,64,931	..	..	23	23	5,129	..	5,129	..	5,152
19 Bhavanai tank	2,65,491	..	..	..	..	2,955	..	2,955	..	2,955
20 Yellapur tank	3,39,797	..	..	..	..	6,111	..	6,111	..	6,111
21 Pailjapatti reservoir project	1,09,860	..	..	..	..	5,209	..	5,209	..	5,210
22 Suddapar tank	8,04,486	..	..	1	1	41,602	..	41,602	..	41,602
23 Nagavaram ancient and supply channel	22,90,575	..	..	131	131	4,000	3	4,000	3	4,000
24 Monad reservoir system	1,11,074	..	..	4,000	4,000	10,139	..	10,139	..	10,139
25 Kaniyapalayam ancient	5,84,125	..	..	..	..	..	..	..	..	..
26 Tippayapalem project	6,89,780	..	..	72	72	..	..	..	..	..
27 Basavanah channel	1,23,657	25	..	..	..	..	..	..	..	..
28 Thuvallur project	..	..	..	..	..	..	..	..	..	..
Total, A. Irrigation Works—2. Unproductive Works	3,88,13,349	4,549	114	55,002	59,665	10,08,026	9	10,08,026	9	10,07,682
Total, A. Irrigation Works	19,51,63,469	35,707	3,26,778	2,21,866	5,89,351	2,02,91,803	11,439	2,02,91,803	11,439	2,08,09,715
B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS.										
2. UNPRODUCTIVE WORKS.										
1 Vedavanai canal	1,36,432	..	713	5,940	713	..	149	..	149	713
2 Buckingham canal	90,84,863	656	1,01,529	..	1,08,125	..	..	..	..	1,07,976
Total, B. Navigation, etc., Works—2. Unproductive works	92,21,235	656	1,02,242	5,940	1,08,838	..	149	..	149	1,08,689
Total, B. Navigation, etc., Works	92,21,235	656	1,02,242	5,940	1,08,838	..	149	..	149	1,08,689
Total, Construction of Irrigation, etc., Works	20,49,84,704	36,363	4,29,020	2,32,806	6,98,189	2,02,91,803	11,588	2,02,91,803	11,588	2,09,78,404

C-IV.—Statement showing the financial results of Irrigation, Navigation, Embankment and Drainage Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency for the year 1940-41 based on the assessment for the year—cont.

Revenue assessed during the year—cont.				Working expenses.			Net revenue of the year.			Percentage on capital outlay to end of the year (improvements only).
Works or systems.		Total revenue due to old improvement.	Total charges (direct and indirect).	Deduct old maintenance charges.	Total working expenses on improvements.	Total.	Due to improvements.			
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	RS.		
A. IRRIGATION WORKS—cont.										
1. PRODUCTIVE WORKS—cont.										
1 Cauvery delta system	29,62,058	11,08,316	11,70,408	8,35,186	3,35,222	8,33,154	29,00,054	10.42		
2 Srivakuntam ancient system	79,000	1,11,106	87,082	8,358	78,724	52,382	1,23,024	2.95		
3 Godavari delta	1,24,000	47,92,491	13,03,508	..	13,03,508	34,59,183	36,13,183	18.32		
4 Mahanadi ancient do.	4,000	20,052	18,927	859	18,068	12,517	15,658	14.36		
5 Thadapalli channel do.	76,000	26,052	15,466	4,046	10,420	48,435	1,19,789	27.30		
6 Kalingarayan channel do.	85,000	34,157	27,337	5,196	22,141	21,986	1,01,790	12.47		
7 Vridhachalam ancient do.	16,000	33,024	24,024	..	10,130	1,630	1,630	1.51		
8 Chemburabakkam ancient do.	1,15,000	33,422	31,065	6,544	24,521	31,901	41,357	4.17		
9 Pennar ancient do.	2,66,000	6,73,398	23,611	7,065	16,546	1,53,395	47,460	78.94		
10 Pannur river canals do.	19,000	8,23,098	1,08,032	36,070	71,962	7,71,364	7,71,364	7.32		
11 Arakkotai channel do.	39,000	5,63,010	9,839	1,162	8,677	22,889	6,833	4.73		
12 Tirukkoyilur ancient do.	20,000	1,85,931	40,970	6,655	46,848	88,473	49,135	8.12		
13 Shattipothi do.	39,000	5,63,010	42,053	4,173	37,880	14,303	49,135	2.65		
14 Cheyyar do.	39,000	5,63,010	4,410	1,078	3,332	4,766	33,688	5.52		
15 Cumbum tank do.	38,000	6,73,398	20,176	3,926	16,250	36,462	70,397	12.00		
16 Ponnaiy project do.	2,04,000	6,73,398	9,95,076	4,333	9,90,743	5,14,592	34,71,318	4.75		
17 Kistna delta do.	17,000	44,06,385	7,23,076	6,470	2,897	23,135	15,399	15.39		
18 Chacole minor rivers do.	95,000	13,265	56,447	4,333	2,897	76,584	23,135	15.39		
19 Lower Coeroon canal do.	1,55,000	3,11,185	1,63,655	9,838	49,977	66,584	3,02,630	5.24		
20 Kistna East Bank canal extension scheme.	20,300	5,41,181	1,06,588	16,578	89,010	4,51,461	4,55,183	7.74		
21 Toludur reservoir system	10,890	1,16,833	44,796	..	72,037	72,147	82,737	2.75		
22 Polavaram Island project	99,971	18,52,314	6,73,302	15,408	32,400	64,198	64,198	3.78		
23 Cauvery-Mettur do.	2,54,000	93,415	83,249	65,549	17,700	7,58,983	6,74,420	1.03		
24 Kattal scheme	..	..	..	..	..	75,715	2,64,166	1.86		
Total, A. Irrigation Works—1. Productive Works	48,58,447	1,49,43,596	53,10,922	10,80,390	42,30,532	1,07,13,054	1,44,91,111	6.65		

APPENDIX I

APPENDIX I

Works or systems.	Deduct share due to old irrigation.	Total revenue due to improve-ments.	Working expenses.		Total.	Due to improve-ments.	Percentage on capital outlay to end of the year (improvements only).
			Total charges (direct and indirect). (13) RS.	Deduct old maintenance charges. (14) RS.			
	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(16) RS.	(17) RS.	(18) RS.
2. UNPRODUCTIVE WORKS—cont.							
1 Kurnool-Cuddapah canal	35,872	2,87,595	1,18,423	4,068	1,14,355	1,73,935	0.74
2 Barir tank	4,500	20,298	9,053	1,584	7,469	11,245	2.40
3 Vallur ancient system	5,000	171	7,970	..	2,799	6,215	8.15
4 Madras water-supply and irrigation system	11,000	51,716	16,807	4,623	12,184	39,532	2.12
5 Pelandora ancient system	3,000	43,532	26,183	158	25,025	17,507	3.53
6 Palat ancient system	1,25,000	1,91,011	88,838	4,018	84,820	1,06,101	4.97
7 Muniyeru system	2,500	40,379	11,310	308	11,007	29,372	4.82
8 Dondapad tank	425	1,302	352	..	1,152	1,152	0.89
9 Yeru tank	17,800	7,452	4,562	2,974	1,588	2,154	1.26
10 Sactiru system	500	1,981	165	..	1,816	1,816	1.15
11 Atmakur tank	3,000	716	441	..	337	37	0.04
12 Jangamaheswarapuram tank	..	5,466	961	778	883	773	1.05
13 Anamasamudram-Berapur tank	..	4,309	1,077	..	4,505	4,505	1.44
14 Hallpuram tank	..	8,800	5,998	329	3,232	3,232	1.48
15 Ponnalur do.	2,130	74,261	31,769	4,011	27,748	48,113	2.49
16 Markapur do.	37,400	1,846	1,520	..	1,520	48,113	2.83
17 Nagavalli river system	164	5,152	1,950	..	3,202	3,202	0.08
18 Veekataparam tank	..	2,955	4,998	..	4,998	..	1.20
19 Bhavatal tank	..	6,111	1,222	..	1,222	..	..
20 Yellanur tank	..	2,654	569	..	569	..	..
21 Parlapati reservoir project	..	44,597	8,796	..	8,796	..	..
22 Nagavaram ancient and supply channel	2,256	4,000	8,796	..	8,796	..	..
23 Moabad reservoir system	433	10,139	561	..	561	..	..
24 Kanayampalayam ancient	..	97	7,183	..	7,183	..	..
25 Tippanpalam project	..	..	..	..	..	..	..
26 Basavannah channel	..	..	..	..	..	..	..
27 Basavannah channel	..	..	..	..	..	..	..
28 Duvvaleru project	..	..	..	..	..	..	..
Total, A. Irrigation Works—2. Unproductive Works	2,51,580	8,16,102	3,52,994	22,856	3,30,138	4,85,964	125
Total, A. Irrigation Works	51,10,027	1,57,59,698	56,63,916	11,03,246	45,60,670	1,11,99,018	574
B. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—cont.							
2. UNPRODUCTIVE WORKS—cont.							
1 Vedaranyam canal	..	713	5,546	..	5,546	4,833	3.54
2 Buckingham canal	..	1,07,976	2,63,795	..	2,63,795	1,60,819	1.77
Total, B. Navigation, etc., Works—2. Unproductive Works	..	1,08,689	2,74,341	..	2,74,341	1,65,652	1.80
Total, B. Navigation, etc., Works	..	1,08,689	2,74,341	..	2,74,341	1,65,652	1.80
Total, Construction of Irrigation, etc., Works	51,10,027	1,58,68,377	59,38,257	11,03,246	46,35,011	1,10,33,366	5.40

D-II.—Description and quantities of goods, etc., carried on the principal canals in the Madras Presidency during the year 1940-41—*cont.*

Description.	Kistna canals—cont.				Kistna East Bank canal.				Kurnool-Cuddapah canal.					
	Private.		Total, Government and private.		Private.		Total, Government and private.		Private.		Total, Government and private.			
	Quantity.		Value.		Quantity.		Value.		Quantity.		Value.			
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
	TONS.	RS.	TONS.	TONS.	TONS.	RS.	TONS.	RS.						
Boat traffic.														
Cotton, raw and manufactured.	49	41,073	..	..	..	..	..	..	..	..	..	..	..	..
Woolen goods ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dyes and tans ..	99	1,23,464	..	..	..	..	..	..	..	..	..	..	..	..
Rice and paddy ..	111,554	1,16,16,018	4,155	12	4,167	3,76,721	4,167	3,76,721	..	..	..	..	..	..
Other food-grains ..	10,244	20,07,824	110	269	379	74,284	379	74,284	..	..	..	..	..	..
Hides and skins ..	94	1,17,312	..	..	..	..	..	..	..	..	..	..	..	..
Liquors ..	402	8,04,804	..	..	..	..	..	..	..	..	..	..	..	..
Metals ..	1,280	13,72,026	..	..	..	..	..	..	..	..	..	..	..	..
Oils ..	2,253	12,36,597	..	..	..	..	..	..	..	..	..	..	..	..
Oil-seeds ..	13,943	31,80,144	40	..	40	9,120	..	9,120	..	..	..	..	..	..
Provisions ..	36,758	1,23,65,300	346	..	346	1,21,100	346	1,21,100	..	..	..	..	..	..
Salt ..	1,501	1,14,076	2	..	2	156	2	152	..	..	..	..	..	..
Spices ..	350	6,08,300	..	..	..	3,476	2	3,476	..	..	..	..	..	..
Sugar and jaggery ..	3,152	4,03,090	..	..	..	..	..	..	..	..	..	..	..	..
Tobacco ..	2,035	18,25,660	193	..	193	1,97,483	193	1,97,483	..	..	..	..	..	..
Building materials ..	343,367	13,14,879	607	11,410	12,017	20,760	11,682	20,509	..	..	..	..	..	..
Miscellaneous goods ..	31,597	28,80,859	82	101	183	13,865	183	13,865	..	..	..	..	..	..
Timber ..	8,393	16,36,635	50	4	54	10,530	54	10,530	..	..	..	..	..	..
Firewood ..	37,122	5,66,830	216	27	243	3,645	243	3,645	..	..	..	..	..	..
Bamboos ..	14,253	8,26,674	2	..	2	116	2	116	..	..	..	..	..	..
Coal and coke ..	2,720	1,30,560	..	..	..	..	..	..	..	..	..	..	..	..
Jute ..	65	16,965	10	..	10	2,610	..	2,610	..	..	..	..	..	..
Treasure ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kerosene oil ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cotton seeds ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Poles ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scantlings ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Boat traffic ..	621,538	4,36,78,148	5,815	11,823	17,638	8,33,862	17,303	8,33,611	..	..	..	..	..	..
Raft traffic.														
Timber in logs ..	497	89,957	..	1,484	1,484	2,68,604	1,484	2,68,604	..	..	..	..	..	..
Squared timber ..	121	25,047	..	..	..	..	..	..	..	..	..	..	..	..
Speers, broad gauge ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do., metre gauge ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scantlings ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Poles ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Firewood ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bamboos and reeds ..	283	16,131	..	36	36	2,052	36	2,052	..	..	..	..	..	..
Total, Raft traffic ..	901	1,31,135	..	1,520	1,520	2,70,656	1,520	2,70,656	..	..	..	..	..	..
Grand total ..	622,439	4,38,09,283	5,815	13,343	19,158	11,04,518	18,823	11,04,267	..	..	..	..	..	..

D-II.—Description and quantities of goods, etc., carried on the principal canals in the Madras Presidency during the year 1940-41—*cont.*

During the year 1940-41—cont.

Description.	Buckingham canal.				West Coast canals.			
	Total, Government and private.		Private.		Total, Government and private.		Private.	
	Quantity.		Value.		Quantity.		Value.	
	Up. (26) TONS.	Down. (27) TONS.	Total. (28) TONS.	(29) RS.	Up. (32) TONS.	Down. (33) TONS.	Total. (34) TONS.	(35) RS.
Boat traffic.								
Cotton, raw and manu-								
factured ..	..	..	..	..	..	..	..	..
Woolen goods ..	..	..	..	..	..	..	..	..
Dyes and tans ..	..	..	..	..	..	..	..	..
Rice and paddy ..	11,301	1,029	12,330	17,47,666	20,438	9,541	29,979	41,87,325
Other food-grains ..	20	493	513	1,00,548	551	1,389	2,240	4,39,040
Hides and skins ..	..	..	..	..	..	..	..	..
Liquors ..	..	..	..	..	..	..	..	..
Metals ..	134	1,773	1,907	2,05,610	596	20	616	18,33,832
Oil-seeds ..	..	..	..	..	..	..	..	..
Provisions ..	..	..	..	..	..	..	..	..
Salt ..	1,504	870	2,374	8,30,988	983	8,196	18,179	61,62,060
Spices ..	27,115	9	27,124	20,61,424	834	6,798	6,632	18,04,632
Sugar and jaggery ..	..	..	..	..	..	..	..	..
Tobacco ..	12	..	12	1,440	486	1,055	1,541	18,33,590
Building materials ..	..	..	..	..	..	..	..	..
Miscellaneous goods ..	30,953	9,641	40,594	16,24,714	262	138	400	3,66,665
Firewood ..	13,258	1,215	14,473	3,00,301	1,903	1,742	3,650	4,61,741
Bamboos ..	..	..	..	..	..	..	..	..
Coal and coke ..	100,414	..	100,414	15,06,210	241	280	521	1,03,545
Jute ..	1,752	5	1,757	84,336	598	1,463	2,061	30,915
Treasure ..	9	..	9	2,349	75	472	547	31,728
Kerosene oil ..	..	..	..	..	..	..	..	..
Cotton seeds ..	..	..	..	..	..	..	..	..
Poles ..	..	..	..	..	..	..	..	..
Scantlings ..	..	..	..	..	..	..	..	..
Total, Boat traffic ..	195,790	15,918	211,708	1,07,15,603	57,560	69,402	126,962	2,35,98,828
Raft traffic.								
Timber in logs ..	3	..	3	543	..	..	..	..
Squared timber ..	..	..	..	..	..	..	..	..
Sleepers, broad gauge ..	..	..	..	..	..	..	..	..
Do., metre gauge ..	..	..	..	..	..	..	..	..
Scantlings ..	..	..	..	..	..	..	..	..
Poles ..	..	..	..	..	..	..	..	..
Firewood ..	..	..	..	..	..	..	..	..
Bamboos and reeds ..	..	..	..	..	..	..	..	..
Total, Raft traffic ..	3	..	3	543	..	..	..	..
Grand total ..	195,793	15,918	211,712	1,07,16,146	57,560	69,402	126,962	2,35,98,828

D-II.—Description and quantities of goods, etc., carried on the principal canals in the Madras Presidency during the year 1940-41—*cont.*

Description.	Dumaguigan canal.				Vedranulagam canal.							
	Total, Government and private.			Private.	Total, Government and private.			Private.				
	Up. (38) TONS.	Down. (39) TONS.	Total. (40) TONS.	Value. (41) RS.	Quantity. (42) TONS.	Value. (43) RS.	Up. (44) TONS.	Down. (45) TONS.	Total. (46) TONS.	Value. (47) RS.	Quantity. (48) TONS.	Value (49) RS.
Boat traffic.												
Cotton, raw and manu- factured.	4	..	4	4,839	4	4,839	..	..	..	..	..	..
Woolen goods	..	..	..	35,636	..	35,636	..	..	..	..	..	..
Dyes and tans	..	291	291	12,404	901	12,404	..	..	..	..	..	48,562
Rice and paddy	75	151	901	40,561	309	40,561	24	169	193	14,634	530	29,792
Other food-grains	21	306	309	1,417	..	1,417	162	..	162	24,786	152	..
Hides and skins	..	1	1	52,052	..	52,052	..	..	..	..	..	..
Liquors	26	..	26	1,602	26	1,602	..	..	..	..	..	..
Metals	11	..	11	8,599	..	8,599	..	2	2	1,534	2	2,136
Oils	151	..	151	52,898	151	52,898	88	21	109	19,511	203	46,284
Oil-seeds	232	..	232	15,575	232	15,575	159	..	159	77,034	459	1,60,660
Provisions	181	..	181	36,230	471	36,230	..	..	..	..	..	..
Salt	471	..	471	8,655	..	8,655	..	..	..	..	..	..
Spices	271	..	271	3,824	..	3,824	..	..	..	..	..	..
Sugar and jaguary	4801	..	4801	8,821	4801	8,821	..	..	..	..	..	..
Tobacco	171	..	171	27,573	207	27,573	1,053	1,539	2,592	43,624	2,096	35,682
Rolling materials	180	..	180	..	..	..	..	35	42	7,560	61	11,895
Miscellaneous goods	..	..	..	..	..	..	..	2,852	4,416	94,484	7,401	1,11,016
Timber	..	..	..	..	..	..	..	..	..	..	..	..
Firewood	..	..	..	..	..	..	..	..	..	..	..	..
Bamboo	..	..	..	..	..	..	..	..	..	..	..	..
Opal and coke	..	..	..	..	..	..	..	..	..	..	..	..
Iron	..	..	..	..	..	..	..	..	..	..	..	..
Treasure	..	..	..	..	..	..	..	..	..	..	..	..
Kerosene oil	..	..	..	..	..	..	..	..	..	..	..	..
Cotton seeds	..	..	..	..	..	..	..	..	..	..	..	..
Poles	..	..	..	..	..	..	..	..	..	..	..	..
Scantlings	..	..	..	..	..	..	..	..	..	..	..	..
Total, Boat traffic	8451	1,118	1,963	6,95,819	1,963	6,95,819	4,894	6,654	11,548	6,40,304	11,408	7,72,418
Raft traffic.												
Timber in logs	..	25,897	25,897	45,96,857	25,897	45,96,857	..	..	..	..	..	..
Squared timber	..	5,056	5,056	10,46,592	5,056	10,46,592	..	..	..	..	..	..
Steepers, broad gauge	..	..	..	..	..	..	..	..	..	..	..	..
Do, metre gauge	..	..	..	..	..	..	..	..	..	..	..	..
Scantlings	..	..	..	..	..	..	..	..	..	..	..	..
Poles	..	1,357	1,357	1,54,698	1,357	1,54,698	..	..	..	..	..	..
Firewood	..	181	181	10,317	181	10,317	..	..	..	..	..	..
Bamboos and reeds	..	..	..	..	..	..	..	..	..	..	..	..
Total, Raft traffic	..	31,991	31,991	68,08,464	31,991	68,08,464	..	..	..	6,40,304	11,408	7,72,418
Grand total	8451	33,109	33,954	65,04,283	33,954	65,04,283	4,894	6,654	11,548	6,40,304	11,408	7,72,418

E-I.—Statement of areas irrigated under Irrigation Works (classed as “Productive” and “Unproductive”) for which Capital and Revenue Accounts are kept in the Madras Presidency during the year 1940–41.

Name of canal.	Area charged as irrigated in acres.				Both seasons.	Total.	Percentage of double cropped area [columns (4) and (5)] on the first crop area [columns (2) and (3)].
	First crop.		Second crop.				
	Flow.	Lift.	Flow.	Lift.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	AOS.	AOS.	AOS.	AOS.	AOS.	AOS.	
Productive.							
1 Cauvery delta system ..	806,175	27,264	118,337	4,386	1,010,162	17,143	13.74
2 Srivalkuntam ancient system ..	24,299	1,390	14,849	501	41,039	1,373	59.75
3 Godavari delta system ..	803,132	12,723	290,219	6,445	1,112,519	13,772	36.36
4 Mohanapur ancient system ..	3,971	314	673	197	6,155	151	20.30
5 Thadapalle channel ..	15,965	311	2,345	132	18,456	1,036	15.50
6 Kalingarayan channel ..	9,483	3,113	7,400	1,684	21,030	4,301	72.12
7 Viddhachalam ancient system ..	9,171	1,110	590	22	9,893	151	6.59
8 Chembarambakkam tank ..	12,173	1,068	4,666	34	17,941	665	35.50
9 Marudur ancient system ..	17,058	265	14,549	288	32,160	476	85.65
10 Pennar river canals system ..	192,863	2,965	31,829	195	197,882	1,962	19.31
11 Arankotta channel ..	4,657	141	516	13	5,327	13	11.03
12 Tirukoyilur ancient system ..	26,336	1,280	5,746	310	38,672	1,324	21.93
13 Shatkapote ancient system ..	31,344	1,333	8,412	137	41,226	1,565	26.16
14 Cheyyar ancient system ..	20,746	653	16,028	413	37,340	339	76.83
15 Cumbum tank ..	5,487	83	4,895	3	10,468	605	87.94
16 Pottay ancient system ..	21,380	793	7,293	117	29,663	135	33.45
17 Pottay system ..	131,523	1,026	50,201	774	183,529	2,461	38.46
18 Kistna delta system ..	847,734	9,652	9,391	659	867,436	1,17	1.17
19 Nandiyar channel system ..	6,385	806	2,126	217	9,534	762	32.58
20 Chittole minor river system ..	61,237	1,871	2,912	986	66,786	146	5.67
21 Lower Coleroon ancient system ..	107,470	2,892	9,813	411	120,566	862	9.26
22 Kistna East Bank Canal extension scheme ..	81,739	1,292	2,23	229	83,055	632	0.03
23 Toltur reservoir project ..	17,334	47	3,108	1	20,718	13	19.20
24 Polavarani Island project ..	13,804	35	5,352	2	19,193	58	38.69
25 Cauvery-Mettur project ..	155,737	2,349	22,013	645	180,744	143	14.33
26 Kattalal scheme ..	47,221	1,804	16,059	753	65,837	5,112	34.29
Unproductive.							
1 Kurnool-Cuddapah canal ..	70,957	419	11,646	292	83,314	5,487	16.73
2 Barur tank ..	4,517	44	2,369	19	6,949	706	52.36
3 Vallur ancient system ..	4,648	330	54	25	5,057	27	1.59
4 Madras water-supply and irrigation system ..	7,049	321	3,095	173	10,638	157	44.34
5 Pelanur ancient system ..	11,359	588	560	29	12,536	183	4.93
6 Palar ancient system ..	75,529	4,239	36,016	1,604	117,388	1,381	47.16
7 Muniyeri ancient system ..	9,353	34	68	3	9,394	..	0.07
8 Dondapad tank ..	305	..	3	..	375	..	22.30
9 Yerru tank ..	164	19	63	..	186	..	1.64

E-I.—Statement of areas irrigated under Irrigation Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency during the year 1940-41—cont.

Name of canal.	First crop.				Second crop.				Total.	Both seasons.	Percentage of double cropped area (columns (4) and (5)) on the first crop area (columns (2) and (3)).
	Flow.	Lift.	(3)	(4)	Flow.	Lift.	(6)				
								ACS.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)				
<i>Unproductive—cont.</i>											
10 Sagileru system	4,269	115	2,264	170	6,513	138	55.52				
11 Atmakur tank	466	48	..	..	514	..	0.84				
12 Jaangamahevarapuram tank	234	5	2	..	241	..	28.12				
13 Annasamundram-Beraperu tank	1,003	7	284	..	1,284	..	82.47				
14 Rajipuram tank	827	..	682	..	1,509	..	5.80				
15 Ponnalur tank	840	..	47	..	887	..	78.62				
16 Markapur tank	1,526	..	1,154	..	2,680	..	3.48				
17 Nagavalli river system	27,656	224	935	36	28,851	118	60.23				
18 Venkatasapuram tank	331	16	209	..	540	..	0.17				
19 Bhavaneswari tank	577	1	..	..	578	..	2.36				
20 Yellanur tank	..	..	..	..	..	..	71.13				
21 Panjapat reservoir	..	..	..	..	..	..	14.22				
22 Suddapur tank	887	1	21	..	908	2	16.67				
23 Nagavaram anicut and supply channel	606	10	436	4	1,056	..	..				
24 Mopad reservoir	5,216	8	741	1	5,961	76	..				
25 Kanniyampalayam anicut	392	..	..	..	392	..	..				
26 Tripayyapalem project	777	3	37	93	892	..	..				
27 Basavannah channel	..	..	..	..	910	..	..				
28 Duvvalera project	..	..	..	..	..	..	..				
<i>Productive.</i>											
<i>Godavari delta.</i>											
<i>Kistna delta and Kistna East Bank canal systems.</i>											
<i>Pennar river canals.</i>											
<i>Karnool-Cuddapah canal.</i>											
<i>Cauvery delta.</i>											
<i>Sirvaikuntam anicut.</i>											
<i>Periyar system.</i>											
<i>The above information regarding the periods is only roughly approximate for there is not any well marked division between the first and second crops which in many places actually overlap some of the so-called first crop being planted while some of the so-called first crop is still on the ground and taking water.</i>											
<i>In the case of the Godavari and Kistna deltas the period of irrigation of first crop has been taken to be 187 days and 204 days, respectively, though it varies in each delta as shown below during the year:—</i>											
<i>Godavari delta, Eastern section 18th June to 30th November.</i>											
<i>Do, Central section Do.</i>											
<i>Do, Western section Do.</i>											
<i>Kistna delta, Eastern section 15th June to 20th November.</i>											
<i>Do, Western section 25th June to 20th December.</i>											
<i>Area entered in column (7) both seasons are for lands bearing such crops as betel, sugarcane which require irrigation for the greater part of the year. This is included.</i>											
<i>In the areas of first and second crops.</i>											

E-II.—Statement showing the incidence of working expenses and assessed water revenue on Irrigation Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency during 1940-41.

Name of canal.	Average discharge of the year at canal head in cubic feet per second.			Water assessed, 1940-41.					Total water-rate, direct and indirect.		
	(2)			Total, direct.		Indirect.		Total of direct and indirect.	Working expenses, direct and indirect.	Area charged as irrigated during the year 1940-41 first and second crops.	Per acre on gross revenue.
	(1)	(2)	(3)	(4)	(5)	(6)	(7)				
			RS.	RS.	RS.	RS.	RS.				
<i>Productive.</i>											
1 Cauvery delta system	7,663	..	40,26,941	1,24,043	41,50,984	41,60,462	11,70,408	1,016,162	28-13	1-15	4-08
2 Sirvaikuntam anicut system	..	..	2,00,948	4,490	2,05,438	2,10,106	87,082	41,039	41-45	2-12	4-93
3 Godavari delta system	9,133	..	44,50,004	2,30,570	46,80,574	49,16,691	13,03,508	1,112,519	28-51	1-17	4-21
4 Melamattur anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	8,927	5,155	36-31	1-73	4-66
5 Thadapalle channel	367	..	1,37,768	2,090	1,39,858	1,41,948	15,456	18,456	11-43	8-4	7-25
6 Kallidargan channel	708	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
7 Viduthachalam anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
8 Chennabarambakkam tank	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
9 Marudur anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
10 Pennar river canals system	155	..	8,03,838	73,047	8,76,885	8,79,396	1,08,032	197,882	13-02	1-73	29-15
11 Arankota channel	..	..	8,03,838	73,047	8,76,885	8,79,396	1,08,032	197,882	13-02	1-73	29-15
12 Tirukkovilur anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
13 Shatalope anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
14 Cheyyar anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
15 Cumbum tank	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
16 Polney anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
17 Periyar system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
18 Kistna delta system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
19 Nandiyar channels system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
20 Chittoor minor river system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
21 Lower Coleroon anicut system	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
22 Kistna East Bank Canal extension scheme	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
23 Toludur (Willingdon) reservoir	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
24 Polavaram island project	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
25 Cauvery-Mettur Project	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
26 Kattalai scheme	..	..	1,37,893	2,090	1,39,983	1,42,073	17,337	21,480	14-55	8-0	5-43
<i>Unproductive.</i>											
1 Karnool-Cuddapah canal	..	..	3,11,004	3,019	3,14,023	3,23,467	1,13,428	83,314	38-61	1-42	3-77
2 Barur tank	..	..	22,192	737	22,929	24,793	9,053	6,949	36-51	1-32	3-31
3 Vallur anicut system	..	..	3,568	1,074	4,642	5,171	7,970	5,057	164-13	1-56	1-92

E-II.—Statement showing the incidence of working expenses and assessed water revenue on Irrigation Works (classified as "Productive" and "Unproductive") for which Capital and Revenue Accounts are kept in the Madras Presidency during 1940-41—cont.

Name of canal.	(2)	Water assessed, 1940-41.			Gross and assessed revenue from all sources.	Working expenses, direct and indirect.	Area charged as irrigated during the year 1940-41 first and second crops.	Working expenses.		Total water-rate, direct and indirect.
		Total direct.	Indirect.	Total of direct and indirect.				Percentage on gross revenue.	Per acre irrigated.	
(1)	(2)	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.			
<i>Unproductive—cont.</i>										
4 Madras water-supply and irrigation system ..	..	22,547	402	23,009	62,716	16,307	10,638	26.89	1.58	2.16
5 Ponnandur subcut system ..	..	45,434	86	45,520	46,532	24,183	12,536	56.27	2.09	3.68
6 Palar subcut system ..	..	2,97,710	10,852	3,14,562	3,16,011	88,838	117,388	28.11	.76	2.69
7 Kunthiyur ancient system ..	..	42,078	62	42,140	42,879	11,310	9,394	26.38	1.20	4.49
8 Dondra tank ..	..	1,878	10	1,888	1,888	216	373	17.00	.63	3.72
9 Yerur tank ..	..	963	86	1,049	877	852	186	18.07	4.58	3.70
10 Sagilev system ..	..	25,173	26	25,199	25,252	4,662	6,318	18.07	.67	3.70
11 Arakur tank ..	..	1,957	..	1,957	1,981	165	514	8.43	.32	3.81
12 Jangamalaiwarapuram tank ..	..	978	..	978	978	441	241	45.09	1.83	4.05
13 Anasandram-Berapur tank ..	..	4,315	1	4,316	4,316	721	1,294	16.71	.56	3.84
14 Halipuram tank ..	..	5,396	70	5,466	5,466	961	1,509	17.58	.64	3.62
15 Ponnatur tank ..	..	4,309	..	4,309	4,309	1,077	887	24.99	1.21	4.86
16 Marthapur tank ..	..	10,928	1	10,929	10,930	5,998	2,680	54.88	2.24	4.08
17 Nagavalli river system ..	..	89,471	21,572	1,11,043	1,11,661	31,769	28,851	28.45	1.10	3.85
18 Vengalpuram tank ..	..	1,972	38	2,010	2,010	1,520	556	75.62	2.73	3.62
19 Bhavani tank ..	..	5,129	..	5,129	5,152	1,950	568	37.85	3.43	9.03
20 Yellamur tank ..	..	1,851	1,104	2,955	2,955	4,998	578	169.14	8.65	5.11
21 Panchayathi reservoir ..	..	6,111	..	6,111	6,111	1,222	..	20.00	1.34	6.72
22 Siddiputur tank ..	..	4,192	1,017	5,209	5,210	589	1,056	11.11	.56	4.93
23 Nagavaram subcut and supply channel ..	..	39,732	5,170	44,902	45,030	8,796	5,961	19.53	1.48	7.53
24 Mopad reservoir ..	..	10,139	..	10,139	4,000	804	392	20.10	2.05	11.14
25 Kanyasulkayam subcut ..	..	..	..	..	10,139	561	910	5.53	.62	..
26 Tippayalpet project ..	..	..	..	..	97	7,183	..	7,405.15	..	..
27 Basavannah channel ..	..	..	..	..	..	..	..	..	..	..
28 Duvvaluru project ..	..	..	..	..	..	..	..	..	..	..

E-III.—Statement showing the area actually irrigated by flow and lift under Productive and Unproductive works and the value of crops raised thereon for fasli 1350 (1940-41).

E-III.—Statement showing the area actually irrigated by flow and lift raised thereon for

Districts.	Names of systems.	Area actually irrigated.				
		First crop.		Second crop.		Total.
		Flow.	Lift.	Flow.	Lift.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	1. Productive works.	ACS.	ACS.	ACS.	ACS.	ACS.
Vizagapatam ..	Chicacole minor rivers system.	59,258	1,871	2,585	986	64,700
East Godavari ..	Polavaram island system.	13,804	35	5,852	2	19,193
West Godavari ..	Godavari delta system ..	357,821	4,198	122,945	1,516	486,480
Kistna ..	Do. ..	407,939	8,525	168,180	4,929	587,573
	Do. ..	851	..	208	..	1,059
	Total ..	768,611	12,723	289,333	6,445	1,075,112
West Godavari ..	Kistna delta system ..	37,171	160	146	13	37,490
Kistna ..	Do. ..	431,193	4,346	2,642	446	438,627
Guntur ..	Do. ..	357,491	5,146	6,290	200	369,127
	Total ..	825,855	9,652	9,078	659	845,244
Kistna ..	Divakum Kistna East Bank canal.	81,350	1,292	13	1	82,656
Nellore ..	Pennar river canals system.	155,005	2,995	81,431	195	189,626
Coimbatore ..	Arakkankottai channel ..	4,646	141	516	13	5,316
	Tadepalli channel ..	15,558	311	2,345	132	18,346
	Kallingarayan channel ..	9,321	3,113	7,400	1,684	21,518
Chingleput ..	Chembarambakkam tank ..	11,441	1,068	4,828	34	17,171
North Arcot ..	Poincy anicut system ..	18,414	782	6,621	112	25,929
Chittoor ..	Do. ..	1,458	11	672	5	2,146
	Total ..	19,872	793	7,293	117	28,075
North Arcot ..	Cheyyar anicut system ..	18,763	653	15,719	413	35,548
Chingleput ..	Do. ..	417	..	309	..	726
	Total ..	19,130	653	16,028	413	36,274
South Arcot ..	Tirukkoyilur anicut system.	24,977	1,280	5,680	310	32,247
	Shatlatope anicut system.	29,991	1,333	8,412	137	39,873
	Mehamattur anicut system.	4,405	314	673	197	5,589
	Vridhachalam anicut system.	8,417	110	590	22	9,139
	Willingdon reservoir ..	17,269	47	3,108	229	20,653
	Lower Coleroon anicut system.	83,122	2,136	7,327	215	92,800
Tanjore ..	Do. ..	22,266	756	2,486	196	25,704
	Total ..	105,388	2,892	9,813	411	118,504
Tanjore ..	Cauvery delta system ..	795,244	24,587	95,562	3,084	918,477
Trichinopoly ..	Do. ..	43,131	2,077	21,184	1,302	68,344
	Total ..	838,425	27,284	116,746	4,386	986,821
Tanjore ..	Cauvery-Mettur Project ..	151,084	2,849	20,055	645	174,133
Trichinopoly ..	Nandiyar channel system.	6,213	806	2,126	217	9,362
	Kattalal scheme ..	45,580	1,804	15,911	758	64,048
Madura ..	Periyar system ..	128,327	1,026	50,135	774	180,262
Ramnad ..	Do. ..	434	..	30	..	464
	Total ..	128,761	1,026	50,165	774	180,726
Tinnevely ..	Sriyalkuntam anicut system.	21,303	1,390	14,795	501	38,489
Karnool ..	Marudur anicut system ..	16,635	265	14,549	288	31,737
	Cumbum tank ..	5,384	83	4,895	3	10,365
	Total of Productive Works.	3,355,933	75,810	643,520	19,554	4,120,117

under productive and unproductive works and the value of crops fasli 1350 (1940-41).

Both seasons.	Value of crops.							
	Paddy.		Bagl.		Other crops.		Total.	
	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	RS.	ACS.	RS.	ACS.	RS.	ACS.	RS.
146	60,192	33,36,865	3,514	1,19,546	994	7,300	64,700	34,63,711
13	13,825	11,89,332	..	..	368	3,635	19,193	11,42,967
7,800	454,959	3,61,68,374	244	12,480	31,277	26,33,553	486,480	3,88,14,407
5,972	528,495	3,77,19,754	840	32,648	51,210	8,35,102	580,545	3,85,87,504
..	1,059	37,184	..	..	..	..	1,059	37,184
13,772	984,513	7,39,25,312	1,084	45,128	82,437	34,68,655	1,068,084	7,74,39,095
9	37,272	30,58,856	..	..	218	777	37,490	30,59,633
5,677	426,368	3,07,54,272	1,089	23,335	11,220	9,60,070	438,627	3,17,37,877
6,063	363,071	2,78,95,258	84	5,193	5,928	5,52,452	369,093	2,84,42,903
10,749	826,711	6,16,96,386	1,123	23,523	17,366	15,13,299	845,200	6,32,40,213
632	81,163	55,60,365	2	104	1,486	62,123	82,656	56,22,592
1,962	179,281	1,35,27,644	2,169	81,020	8,169	65,363	189,619	1,36,74,027
13	5,212	4,07,531	3	153	101	5,316	5,316	4,15,362
1,036	16,730	13,31,004	16	871	1,600	1,32,806	18,346	14,65,641
4,301	14,093	10,62,511	1,089	59,623	6,336	61,652	21,518	11,83,786
665	14,896	8,76,663	804	24,641	1,388	1,34,027	17,088	10,35,231
108	19,614	11,54,784	3,693	1,47,405	2,616	10,639	25,923	13,12,328
27	1,610	1,18,284	283	10,408	253	3,866	2,146	1,32,558
135	21,224	12,73,068	3,976	1,57,813	2,866	14,505	28,069	14,45,386
339	30,939	17,31,218	2,562	1,12,909	2,044	15,348	35,545	18,59,475
..	672	35,235	52	2,051	2	300	726	40,586
339	31,611	17,69,453	2,614	1,14,930	2,046	15,648	36,271	19,00,061
1,324	23,151	12,99,679	3,604	1,39,402	5,492	76,556	32,247	15,15,637
1,565	37,143	22,57,536	1,124	42,858	1,303	17,481	39,570	23,17,975
151	5,179	3,25,978	99	4,632	811	5,145	5,599	3,35,765
151	8,062	4,10,449	344	10,220	738	6,848	9,189	4,27,517
1,122	16,610	10,17,752	368	17,863	3,672	81,676	20,650	11,17,291
704	89,639	61,36,927	483	13,314	2,677	29,136	92,799	61,79,277
158	24,748	16,45,122	151	8,975	805	1,20,174	25,704	17,74,271
862	114,388	77,81,949	634	22,239	3,482	1,49,310	118,504	79,53,548
14,216	879,533	5,52,65,843	5,634	2,33,732	33,310	27,87,925	918,477	5,82,87,500
2,927	64,012	48,06,554	510	18,360	3,820	3,20,218	68,342	51,45,432
17,143	963,545	6,00,72,697	6,144	2,52,092	37,180	31,08,143	986,919	6,34,32,932
58	160,544	77,97,921	1,472	50,089	12,012	6,57,629	174,028	85,05,639
762	7,160	4,65,276	325	15,969	1,877	25,091	9,362	5,06,336
5,112	57,123	38,25,615	195	8,672	6,692	4,39,881	64,010	42,64,168
2,461	167,927	1,40,47,287	5,079	1,92,412	7,255	10,41,758	180,261	1,52,81,457
..	388	32,996	76	2,354	..	..	464	35,350
2,461	168,315	1,40,80,283	5,155	1,94,766	7,255	10,41,758	180,725	1,53,16,907
1,373	33,809	19,39,144	296	11,156	4,384	2,14,265	38,489	21,64,566
476	29,765	23,17,367	363	13,759	1,609	1,25,245	31,737	24,56,371
605	9,355	5,61,767	135	7,119	875	35,000	10,365	6,08,886
66,923	3,868,604	27,00,82,507	36,652	14,23,173	212,037	1,14,60,719	4,117,393	28,26,46,399

E-III.—Statement showing the area actually irrigated by flow and lift raised thereon for

Districts.	Names of systems.	Area actually irrigated.				
		First crop.		Second crop.		Total.
		Flow.	Lift.	Flow.	Lift.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		ACS.	ACS.	ACS.	ACS.	ACS.
2. Unproductive works.						
Vizagapatam ..	Nagavalli riversystem ..	26,645	224	935	36	27,840
Kistna ..	Muniyeru anicut system ..	9,090	34	4	3	9,181
Guntur ..	Jangamaheswarapuram tank.	189	5	2	..	196
	Atmakur tank ..	413	48	..	..	461
	Dondapad tank ..	273	..	68	..	341
	Bhavanasi tank ..	564	1	..	..	565
Nellore ..	Mopad reservoir ..	5,202	3	741	1	5,947
	Hajepuram tank ..	757	..	682	..	1,439
	Ponnalur tank ..	776	..	47	..	823
	Anamasamudram-Biraperu tank.	953	7	284	..	1,244
	Yerur tank ..	97	19	3	..	119
Cuddapah ..	Sagileru system ..	4,164	115	2,263	170	6,712
	Chepad channel ..	9,800	12	1,717	210	11,739
	Nagavaram anicut and supply channel.	592	10	436	4	1,042
Kurnool ..	Markapur tank ..	1,487	..	1,154	..	2,641
	Siddapur tank ..	897	1	21	..	909
	Venkatapuram tank ..	316	16	209	..	541
	Thippayapalem project ..	774	3	37	93	907
Cuddapah ..	Kurnool-Cuddapah canal.	29,428	147	4,418	3	33,994
	Do. ..	30,345	260	5,495	79	36,179
	Total ..	59,771	407	9,913	82	70,173
Anantapur ..	Yellanur tank ..	518	..	1	..	519
Salem ..	Barur tank ..	4,270	44	2,369	19	6,702
Coimbatore ..	Kanniyampalayam anicut.	392	..	..	..	392
Chingleput ..	Madras water-supply irrigation system.	6,349	321	3,079	173	9,922
	Vallur anicut system ..	4,174	330	52	25	4,581
North Arcot ..	Palar anicut system ..	51,184	1,437	25,359	596	78,576
Chingleput ..	Do. ..	17,604	2,802	9,754	1,008	31,168
	Total ..	68,788	4,239	35,113	1,804	109,744
South Arcot ..	Pelandurai anicut system ..	10,781	588	580	29	11,958
	Total of Unproductive works.	218,021	6,427	59,690	2,449	236,588
	Total of Productive works.	3,385,933	75,610	643,510	19,554	4,124,617
	Grand total of Productive and Unproductive works.	3,603,955	82,037	703,210	22,003	4,411,205

NOTE.—(1) The area under "both seasons" is included under first and second crops.
 (2) The areas in columns (2) to (6) include extent under "withered crops" but exclude "waste charged."
 (3) The area of "withered crops" is $(7,824 + 327) = 7,651$ acres.

under productive and unproductive works and the value of crops
fashi 1350 (1940-41)—cont.

Both seasons.	Value of crops.							
	Paddy.		Ragi.		Other crops.		Total.	
	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.	Area irrigated.	Estimated value.
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	RS.	ACS.	RS.	ACS.	RS.	ACS.	RS.
118	27,050	16,22,945	278	10,893	512	35,763	27,840	16,69,601
..	8,970	7,41,452	4	220	157	1,300	9,131	7,42,972
..	172	14,034	..	..	24	102	196	14,186
..	451	18,110	..	..	10	38	461	18,148
..	301	23,435	40	3,133	..	..	341	26,568
..	562	70,370	1	107	2	13	565	70,490
..	5,476	3,93,932	58	3,258	413	3,223	5,947	4,00,413
..	1,165	72,361	75	4,339	199	2,170	1,439	78,870
..	693	38,400	..	..	130	15,000	823	53,400
..	1,090	68,627	51	2,316	103	200	1,244	71,643
..	43	2,563	4	158	..	..	47	2,721
198	4,863	3,84,307	1,038	51,819	811	10,457	6,712	4,46,588
242	9,185	6,59,950	570	21,567	1,984	46,139	11,739	7,27,656
70	803	58,618	40	2,379	199	1,200	1,042	62,197
..	2,281	1,18,427	310	15,130	50	504	2,641	1,29,081
..	908	55,148	1	48	..	..	909	55,196
..	538	34,105	1	48	2	82	541	34,235
..	211	11,982	579	28,808	117	1,170	907	41,460
2	17,778	12,59,759	71	3,425	16,145	3,29,342	33,994	13,92,526
1,246	17,778	12,59,759	71	3,425	16,145	3,29,342	33,994	13,92,526
3,999	21,079	14,76,780	3,385	1,55,979	11,708	1,62,185	36,172	17,94,944
5,245	38,857	27,36,539	3,456	1,59,404	27,853	4,91,527	70,166	33,87,470
2	22	1,174	493	26,075	4	735	519	27,984
706	5,135	3,71,330	509	28,541	1,058	69,083	6,702	4,68,954
..	235	36,688	1	61	156	7,800	392	44,549
157	8,812	4,50,528	464	11,545	646	10,937	9,922	4,78,010
27	4,292	2,36,331	106	3,294	183	1,490	4,581	2,41,115
675	67,207	27,24,248	6,378	2,63,809	4,946	1,05,219	78,531	30,93,276
706	28,398	17,31,920	2,333	62,787	248	12,680	30,974	18,07,387
1,381	95,600	44,56,168	8,711	3,26,596	5,194	1,17,899	109,505	49,00,663
83	10,352	5,02,962	296	8,855	1,801	9,194	11,949	5,21,011
3,171	228,087	1,31,75,436	17,086	7,08,594	41,108	8,26,026	236,261	1,47,10,106
66,923	3,868,604	27,00,62,50	36,653	14,23,173	212,037	1,14,60,719	4,117,293	25,29,46,399
75,099	4,098,671	28,32,37,993	53,788	21,31,787	253,145	1,32,88,745	4,403,554	29,76,56,505

E-IV.—Comparative statement of irrigation and rainfall in the Madras

Civil districts.	Of the civil districts.			Works supplying irrigation— Number and name.	Cultivable area com- manded by the irrigation works in column (5).
	Total area.	Cultivable area.	Cultivated area.		
	(1) ACS.	(2) ACS.	(3) ACS.	(4) ACS.	(5)
Viragapatam ..	5,198,106	2,795,232	2,266,794	1 Chicacole minor river system 2 Nagavalli river system 3 Minor works	70,000 81,200 121,767
East Godavari ..	3,980,698	2,001,818	1,408,163	1 Godavari delta system 2 Polavaram island system 3 Minor works	222,987 396,253 16,848
West Godavari ..	1,581,869	1,304,890	1,013,429	1 Godavari delta system 2 Kistna delta system 3 Minor works	509,768 565,090 43,129
Kistna	2,222,217	1,652,789	1,265,568	1 Kistna delta system 2 Godavari delta system 3 Divi system 4 Munjyeru anicut system 5 Minor works	608,129 543,000 80,000 18,024 20,908
Guntur	3,689,845	2,724,153	2,408,546	1 Kistna delta system 2 Bhavanasi tank 3 Donapad tank 4 Atmakur tank 5 Jangamaheswarapuram tank 6 Minor works	656,927 857,000 2,448 2,880 1,160 960
Kurnool	4,855,545	2,918,581	2,128,554	1 Kurnool-Uddapah canal 2 Venkatapuram tank 3 Gumbum tank 4 Markapur tank 5 Siddapur tank 6 Thippayapalem project 7 Minor works	890,982 319,869 1,700 6,008 1,701 4,250 New
Bellary	3,643,891	3,070,164	2,592,842	Minor works	390,666
Arantapur ..	4,307,053	3,537,702	2,080,868	1 Yellanur tank 2 Minor works	55,408 1,641
Uddapah	3,790,762	2,180,249	1,152,055	1 Kurnool-Uddapah canal including Chepad channel. 2 Sagilru tank 3 Nagavaram anicut and supply channel. 4 Minor works	154,374 37,700 28,578 884
Nellore.	5,057,200	3,018,094	1,497,932	1 Pennar river canal system 2 Mopad reservoir 3 Ponnalur tank 4 Anamasamudram Biraperu tank 5 Yerur tank 6 Halipuram tank 7 Minor works	167,799 190,000 13,890 1,973 1,000 8,176 2,900
				Total ..	349,265

Presidency for the revenue year ending 30th June 1941.

Area at present estimated as actually irri- gated by the works specified in column (5).	Area irrigated			Rainfall.		
	Revenue year ending 30th June 1940.			Revenue year ending 30th June 1941.		
	Kharif I crop.	Rabi II crop.	Total.	Kharif I crop.	Rabi II crop.	Total.
(7) ACS.	(8) ACS.	(9) ACS.	(10) ACS.	(11) ACS.	(12) ACS.	(13) ACS.
66,800	63,121	2,982	66,083	61,129	3,571	64,700
27,500	26,745	804	27,549	26,869	971	27,840
121,767	100,845	13,219	114,064	121,767	14,954	136,721
218,067	190,711	16,985	207,696	209,765	19,496	229,261
877,000	363,891	102,991	466,882	362,019	124,401	486,420
17,500	12,939	5,560	19,499	13,839	5,354	19,193
94,862	61,201	7,231	58,432	94,767	3,603	98,420
489,362	459,031	116,782	575,813	470,615	133,478	604,093
414,500	416,649	159,395	576,044	416,464	171,109	587,573
43,129	38,424	155	38,579	37,331	159	37,490
457,629	456,582	1,333	457,915	42,825	1,270	44,095
445,300	444,019	2,545	446,564	435,539	3,088	438,627
42,000	72,900	183	918	851	208	1,059
10,000	8,668	316	78,216	82,642	14	82,656
20,903	17,316	4	8,870	9,124	7	9,131
518,203	548,836	196	17,512	19,323	66	19,389
380,000	4,516	3,244	547,080	547,479	3,383	550,862
841	4,516	4,516	364,455	362,637	6,490	369,127
250	554	554	554	565	..	565
460	324	188	462	273	68	341
290	822	4	328	461	..	461
26,534	246	85	831	194	2	196
358,375	23,258	2,365	25,593	23,454	2,149	25,603
103,748	884,623	7,098	391,721	387,584	8,709	396,293
340	31,764	5,166	36,920	29,573	4,421	33,994
5,980	289	182	451	382	209	591
1,583	5,008	3,727	8,735	5,467	4,898	10,365
878	1,562	1,108	2,670	1,487	1,154	2,641
47,146	875	..	875	883	21	909
162,522	721	2	723	777	130	907
55,406	43,293	7,068	50,361	44,953	9,266	54,219
925	83,482	17,253	100,735	83,477	20,099	103,576
158,233	47,644	7,273	54,917	48,662	9,882	58,544
154,158	512	512	512	518	1	519
19,876	124,324	36,776	161,100	137,625	52,415	190,040
4,500	124,896	36,776	161,182	138,143	52,416	190,559
894	40,504	5,348	45,852	40,417	7,501	47,918
102,629	4,015	1,732	5,747	4,279	2,433	6,712
127,699	807	235	842	802	440	1,042
162,500	98,148	22,481	120,629	101,909	41,629	143,498
12,500	143,274	29,796	173,070	147,207	51,903	199,110
1,000	176,808	18,399	176,808	158,000	31,626	189,626
1,000	4,102	234	4,336	5,205	742	5,947
1,470	873	107	980	776	47	823
700	681	74	755	681	8	689
186,956	492	172	664	757	682	1,439
316,126	129,588	10,217	139,805	182,571	35,545	218,116
	29,208		323,068	298,335	68,929	367,264

E-IV.—Comparative statement of irrigation and rainfall in the Madras

Civil districts.	Of the civil districts.			Works supplying irrigation— Number and names.	Cultivable area com- manded by the irri- gation works in column (5).
	Total area.	Cultivable area.	Cultivated area.		
(1)	(2) ACS.	(3) ACS.	(4) ACS.	(5)	(6) ACS.
Chingleput ..	1,965,897	1,122,830	1,025,307	1 Palar anicut system 2 Chembarambakkam tank 3 Vallur anicut system 4 Cheyyar anicut system 5 Madras water-supply and irrigation. 6 Minor works	24,102 24,478 6,794 540 10,165 858,578
				Total ..	424,657
South Arcot ..	2,893,021	1,898,717	1,650,240	1 Lower Coleroon anicut system 2 Shattatope anicut system 3 Vriddhachalam anicut system 4 Mehamattur anicut system 5 Tirukkoyilur anicut system 6 Pelandural anicut system 7 Willingdon reservoir 8 Minor works	86,000 43,985 16,359 10,651 45,977 16,877 28,800 300,198
				Total ..	548,627
North Arcot ..	2,982,383	1,744,970	1,547,415	1 Palar anicut system 2 Cheyyar anicut system 3 Polney anicut system 4 Minor works	80,930 23,921 23,824 231,647
				Total ..	365,322
Chittoor ..	3,778,865	1,809,748	940,376	1 Polney anicut system 2 Minor works	113,908
				Total ..	113,908
Salem ..	4,604,830	2,889,632	2,003,205	1 Barur tank 2 Minor works	6,887 105,998
				Total ..	112,885
Coimbatore ..	4,550,876	2,757,217	2,347,727	1 Tadepalle channel 2 Arakkankottal channel 3 Kalingarayan channel 4 Kaniyampalayam channel 5 Minor works	16,000 6,000 15,000 1,600 72,862
				Total ..	108,462
Trichinopoly ..	2,831,777	2,232,654	1,530,026	1 Cauvery delta system 2 Nandiyar channel system 3 Kattalai scheme 4 Minor works	44,067 9,480 40,000 120,308
				Total ..	214,455
Mysore ..	2,399,323	1,734,762	1,531,484	1 Cauvery delta system 2 Lower Coleroon anicut system 3 Cauvery-Mettur Project 4 Minor works	864,867 31,238 523,437 65,961
				Total ..	1,490,048
Madura ..	3,061,286	2,143,135	1,470,075	1 Periyar anicut system 2 Minor works	181,046
				Total ..	181,046
Ramnad ..	3,078,246	2,277,937	1,306,472	1 Periyar system 2 Minor works	38,362
				Total ..	38,362
Tinnevely ..	2,775,192	2,094,299	1,477,437	1 Srivaikuntam anicut system 2 Marudur anicut system 3 Minor works	33,600 17,920 187,167
				Total ..	238,587
				Total of productive and unproductive works.	4,758,167
				Total of minor works ..	2,528,595
Grand total ..	73,078,830	47,907,623	34,644,515		7,286,762

Presidency for the revenue year ending 30th June 1941—cont.

Area at present estimated as annually irri- gated by the works specified in column (5).	Area irrigated.						Rainfall.		
	Revenue year ending 30th June 1940.			Revenue year ending 30th June 1941.			1939-40.	1940-41.	
	Kharif I crop.	Rabi II crop.	Total.	Kharif I crop.	Rabi II crop.	Total.			
	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		INCHES.	INCHES.
24,102	20,463	9,338	29,801	20,406	10,782	31,188			
18,000	12,125	1,447	19,573	12,509	4,682	17,171			
5,216	4,384	68	4,452	4,504	77	4,581			
9,494	6,414	38	4,452	4,17	309	726			
358,578	318,869	59,234	378,103	329,324	124,130	9,922			
						453,454			
416,242	362,667	70,163	432,830	373,830	143,192	517,022		33.71	50.32
84,244	85,176	8,897	94,073	85,258	7,542	92,800			
32,000	30,609	9,444	40,053	31,024	8,549	39,573			
8,829	8,298	588	8,836	8,527	612	9,139			
5,000	4,831	708	5,539	4,719	870	5,589			
28,000	26,150	5,937	32,107	26,267	5,990	32,247			
12,837	12,091	1,020	13,111	11,369	589	11,958			
26,000	16,947	2,309	18,256	17,816	8,837	20,653			
300,196	268,682	89,152	357,714	275,557	103,953	379,510			
406,109	451,684	118,025	569,689	480,027	131,442	591,469		45.54	56.28
54,586	51,471	19,125	70,596	52,621	25,955	78,576			
22,193	19,163	7,611	26,774	19,416	16,132	35,548			
22,462	18,948	5,024	23,972	19,196	6,733	25,929			
231,647	205,251	78,454	283,705	206,758	108,965	315,723			
330,868	294,833	110,214	405,047	297,991	157,785	455,776		37.08	41.27
	1,408	327	1,733	1,469	677	2,146			
113,903	98,766	37,775	136,541	97,283	44,904	142,247			
113,908	100,172	38,102	138,274	98,752	45,641	144,493		39.06	40.31
3,750	4,295	2,248	6,543	4,314	2,388	6,702			
105,998	99,493	44,631	144,124	99,530	53,708	153,238			
109,746	103,788	40,879	150,667	103,844	56,096	159,940		41.45	38.38
15,400	15,602	3,119	18,721	15,869	2,477	18,346			
4,945	4,650	461	5,111	4,787	529	5,316			
12,239	12,517	9,136	21,653	12,434	9,084	21,518			
218	376	1	377	302		392			
72,862	68,251	23,436	91,687	72,862	27,080	99,942			
105,559	101,396	36,153	137,549	106,344	39,170	145,514		30.9	41.08
44,008	45,806	23,190	68,996	45,858	22,486	68,344			
7,084	6,902	2,527	9,429	7,019	2,543	9,562			
36,623	47,651	15,360	63,011	47,384	16,664	64,048			
120,308	116,549	59,189	175,738	116,462	59,481	175,943			
208,023	216,908	100,266	317,174	216,723	100,974	317,697		47.61	36.32
856,918	811,339	94,587	905,926	819,831	98,646	918,477			
23,635	22,981	2,664	25,645	23,022	2,682	25,704			
177,000	148,978	16,819	166,797	153,493	20,700	174,193			
65,961	35,296	6,900	42,196	36,673	8,634	40,307			
1,123,564	1,018,594	120,970	1,139,564	1,032,959	125,662	1,158,621		55.72	40.92
143,000	128,107	48,083	174,190	129,353	50,909	180,262			
181,046	176,349	30,734	147,083	126,614	53,686	180,500			
274,046	244,456	76,817	321,273	255,967	104,795	360,762		33.86	45.58
	1,004	125	1,129	434	30	464			
38,362	27,342	4,448	31,790	35,442	25,887	60,329			
38,362	28,346	4,573	32,919	35,876	25,417	61,293		31.02	48.98
25,565	23,624	12,946	36,570	23,193	15,296	38,489			
17,930	17,066	14,615	31,681	16,900	11,837	31,737			
187,167	163,817	84,286	248,103	176,345	110,238	286,583			
230,772	204,507	111,847	316,354	218,438	140,371	358,809		20.02	45.06
3,774,147	3,669,464	632,914	4,302,378	3,685,992	725,213	4,411,205			
2,528,595	2,215,651	626,888	2,842,039	2,340,506	886,165	3,226,661			
6,302,743	5,885,115	1,259,303	7,144,417	6,026,588	1,611,378	7,638,066		37.41	40.76

F-1.—Statement showing the water-rates per acre which were in force under certain Productive and Unproductive Works in the Madras Presidency during the year ending 30th June 1941.

Description of crop.	Godavari and Krishna		Munivern project.		Periyar system.*		Bhavani.		Venkatapuram tank.		Mopad.		Willingdon reservoir.		Kanniyampalayam anti-cut. †		Panjapatli reservoir. ‡		Siddapur tank.		Other systems (in tracts where the differential water-rate system does not prevail). §
	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	RS.	A. P.	
1 Single wet crop	6	4	0	6	4	0	5	0	0	9	6	0	4	3	0	7	13	0	6	4	0
2 Second wet crop	3	2	0	3	2	0	3	0	0	4	11	0	2	1	0	3	15	0	3	2	0
3 Second wet crop (if compounded for two crops for a term of not less than five years)	10	3	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 Second dry crop on irrigated land except where the landholder has compounded under clause 3	3	2	0	3	2	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 For sugarcane, betel and other garden produce remaining on the ground for the time of two crops	9	6	0	9	6	0	8	0	0	14	1	0	6	4	0	11	12	0	9	6	0
6 For sugarcane, betel and other garden produce remaining on the ground for the time of two crops, if compounded for a term of not less than five years	10	3	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 For a dry crop, whether first or second, grown on land for which irrigation has never been supplied or having been once supplied has been since discontinued	3	2	0	..	..	..	..	4	11	0	2	1	0	3	15	0	..	..	..	..	..
8 For a third irrigated crop (wet)	2	8	0	3	2	0	2	0	0	..	..	..	..	..	..	..	..	..	..	..	..
9 Do.	1	4	0	3	2	0	1	0	0	..	..	..	..	..	..	..	..	..	..	..	..
10 Dry crop systematically irrigated	6	4	0	4	11	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11 Second wet crop in the case of samindari and inam lands	6	4	0	3	2	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12 Second wet crop in the case of samindari and inam lands where the cultivator has compounded for two crops for a term of not less than five years	10	3	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13 For sugarcane, betel and other garden produce in samindari and inam lands remaining on the ground for the time of two crops	12	8	0	9	6	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14 For sugarcane, betel and other garden produce in samindari and inam lands remaining on the ground for the time of two crops, if the cultivator has compounded for a term of not less than five years	10	3	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

- 15 For a first dry crop systematically irrigated
- 16 For a second dry crop systematically irrigated
- 17 For a first or second dry crop occasionally irrigated
- 18 Special crops like onions, sweet potatoes, chillies tobacco (the same as for a dry crop systematically irrigated)
- 19 Mango, toria, coconut trees and other trees plantations—
(a) If they take water for term of two wet crops
(b) In other cases

Note.—When the water used for irrigation cannot be obtained without raising it by baling or by some mechanical contrivance, a deduction of one-fourth of the water-rate will be made.

* Double the rates are levied when Periyar water is supplied to Government and minor inam dry lands to the Cumbum valley, Periyar-kulam, tank to which extension of irrigation has been sanctioned.

† No charge for water for twenty years under G.O. No. 123 L, dated 17th March 1916—G.O. No. 30 L, dated 2nd February 1924.

‡ Standard scale of water-cess has been ordered to be adopted until further orders—vide G.O. Ms. No. 1277, Revenue, dated 29th June 1934.

	First crop on dry land.		Second crop on dry land.		Charge for				Total charge.		
					First crop.	Second crop.	RS.	A. P.	RS.	A. P.	
1 Wet	..	..	Wet	..	4	2	0	0	6	0	0
2 Do.	..	..	Dry, systematically irrigated	..	4	1	8	0	5	8	0
3 Do.	..	..	Do occasionally irrigated	..	4	1	0	0	5	0	0
4 Dry, systematically irrigated	..	..	Wet	..	3	2	8	0	5	8	0
5 Do.	..	..	Do, systematically irrigated	..	3	2	0	0	5	0	0
6 Do.	..	..	Do, occasionally irrigated	..	3	1	8	0	4	8	0
7 Dry, occasionally irrigated	..	..	Wet	..	2	3	0	0	5	0	0
8 Do.	..	..	Do, systematically irrigated	..	2	2	8	0	4	8	0
9 Do.	..	..	Do, occasionally irrigated	..	2	2	0	0	4	0	0

N.B.—The rates fixed in the Tanjore District Cauvery Water-cess Rules are not incorporated in this statement.
[Printed by the Board of Revenue, B.P. No. 111, dated 1st October 1941.]

APPENDIX II.

I.—Statement showing the financial results of irrigation under Productive and Unproductive systems for fasli 1350 (1940-41).

Systems.	Area charged as irrigated and area irrigated free of charge.						Direct receipts.			
	First crop.			Second crop.			Total land and irrigation revenue.			
	Old irrigation.	New irrigation.	Total.	Old irrigation.	New irrigation.	Total.	Total irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	RS.
(I) Productive works.										
1 Chitavole minor rivers system	51,260	11,848	63,108	..	3,578	3,578	2,27,383	1,53,054	27,955	
2 Godavari delta system	156,150	659,705	815,855	..	296,664	296,664	67,28,912	53,59,457	9,00,453	
3 Krishna delta system	70,710	786,676	857,386	..	10,060	10,060	58,32,499	47,71,779	6,93,949	
4 Divi canal Krishna East Bank canal	9,900	73,131	83,031	..	24	24	5,19,277	5,19,266	45,828	
5 Pennar river canals system	92,080	66,778	158,858	1,050	30,974	32,024	10,61,006	9,13,375	1,07,487	
6 Arakankotal channel	2,730	2,068	4,798	10	519	529	45,849	38,965	5,031	
7 Tadepalle channel	9,990	5,989	15,979	170	2,307	2,477	1,71,340	1,48,978	18,180	
8 Kalingarayan channel	8,300	4,296	12,596	8,350	734	9,084	1,49,604	1,32,027	14,726	
9 Chembrambakkam tank	11,370	1,871	13,241	1,160	3,540	4,700	32,839	60,353	9,010	
10 Cheyyar aicut system	15,550	6,803	22,353	2,500	7,410	9,910	1,46,830	1,12,152	17,084	
11 Tirukkoyilur aicut system	16,080	9,439	25,519	1,630	14,811	16,441	1,55,488	1,11,972	20,575	
12 Shattiyakoppa aicut system	16,080	11,536	27,616	30	8,026	8,056	1,83,512	1,37,197	24,495	
13 Melanathur aicut system	7,160	25,517	32,677	..	8,549	8,549	2,25,698	1,69,407	31,555	
14 Lower Coleroon aicut system	2,480	8,335	10,815	..	612	612	62,332	43,285	9,709	
15 Nandiyar delta system	44,780	65,802	110,582	170	10,054	10,224	8,57,338	5,84,761	1,75,262	
16 Nandiyar channel system	743,647	149,792	893,439	33,919	88,804	122,723	66,62,578	51,36,102	11,09,161	
17 Parivar system	65,600	66,954	132,554	1,570	773	2,343	45,198	34,520	4,673	
18 Srivasthikuntam aicut system	14,580	11,109	25,689	16,100	34,875	50,975	10,88,561	9,85,443	2,13,222	
19 Marudam aicut system	17,020	720	17,740	5,900	14,247	14,837	2,40,186	2,32,627	31,659	
20 Marudam tank	4,850	21,165	26,015	2,670	2,228	4,898	46,503	41,882	4,245	
21 Kattal scheme	27,860	13,839	41,699	8,250	5,562	13,812	4,81,047	4,00,974	56,878	
22 Polavarum Island system	69,257	88,829	158,086	1,730	20,928	22,658	15,00,306	14,57,140	44,139	
23 G. V. M. Project	2,590	14,791	17,381	260	9,077	9,337	1,30,998	1,28,130	1,632	
24 Willington reservoir	..	..	..	..	..	..	..	..	..	
Productive works—Total	1,471,504	2,108,753	3,580,257	86,009	582,570	668,579	2,70,59,460	2,19,92,408	36,07,894	

(II) Unproductive Works.

1 Nagavalli river system	10,600	17,280	27,880	5,200	-4,259	971	1,41,451	1,13,476	24,005	
2 Kandam river system	600	8,787	9,387	..	7	7	63,384	51,025	8,047	
3 Jangmaheswaram tank	150	514	664	..	5	5	1,638	1,150	174	
4 Annakur tank	..	805	805	..	..	..	2,685	2,236	279	
5 Dondapet tank	..	588	588	..	..	..	1,781	1,516	138	
6 Bhavanasi tank	..	5,219	5,219	..	..	..	5,205	5,205	..	
7 Koppal reservoir	..	827	827	..	..	..	742	742	..	
8 Halipuram tank	..	840	840	..	..	..	682	682	..	
9 Ponnasur tank	..	110	1,010	..	..	..	40,084	39,911	176	
10 Annasamundram-Birapur tank	..	103	183	..	..	..	6,355	5,753	357	
11 Xerri tank	..	484	4,384	..	..	..	6,026	4,842	543	
12 Sagiam system	3,900	1,076	4,976	700	1,734	2,434	5,354	4,845	530	
13 Markapur tank	450	577	1,027	..	1,104	1,154	29,931	27,352	4,176	
14 Xelapur tank	..	577	577	..	..	..	19,560	17,692	2,179	
15 Seldapur tank	..	888	888	..	..	..	3,049	2,603	694	
16 Nagavaram aicut and supply channel	..	164	616	..	..	..	6,111	6,111	752	
17 Venkateswaram tank	..	294	347	..	..	..	5,261	4,550	358	
18 Kurmool-Chiddapah canal	..	54,591	61,234	..	..	..	2,081	2,014	359	
19 Chidapah canal	..	8,736	10,142	..	..	..	3,25,938	2,97,355	23,910	
20 Barur tank	..	3,231	4,561	..	..	..	1,927	1,802	4,113	
21 Kamatyampalayam aicut	..	392	862	..	..	..	31,122	25,875	3,683	
22 Madras water-supply and irrigation system	..	1,740	7,370	..	..	..	..	..	..	
23 Vallur aicut system	..	948	4,978	..	..	..	..	..	..	
24 Palur aicut system	..	25,878	79,768	..	..	..	..	..	..	
25 Pelandoral aicut system	..	9,827	11,947	..	..	..	..	..	..	
26 Pankajpatti reservoir	..	..	..	..	..	..	..	..	..	
27 Thippayapalem Project	..	..	..	..	..	..	..	..	..	
Unproductive Works—Total	92,234	144,248	236,482	23,721	39,356	63,077	13,48,327	11,08,585	1,51,996	
Grand total (of Productive and Unproductive Works).	1,563,738	2,253,006	3,816,744	109,730	621,926	731,656	2,84,07,787	2,31,00,993	37,59,880	

I.—Statement showing the financial results of irrigation under Productive and Unproductive systems for fasli 1350 (1940-41)—*cont.*

Systems.	Direct receipts— <i>cont.</i>			Indirect receipts.			Total.	Total of columns (13) and (17).
	Net revenue due to irrigation.	Deduct portion due to old irrigation.	Increase of revenue due to the outlay incurred.	Land assessment of waste lands brought under irrigation.	Land revenue of miscellaneous items.	Interest on sale-proceeds of tanks, beds and other waste lands.		
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	RS.
) Productive Works— <i>cont.</i>								
1 Chicacole minor rivers system ..	125,101	95,000	30,101	7,065	738	71	7,874	37,975
2 Godavari Delta system ..	44,50,004	1,24,000	43,26,004	1,84,180	8,161	38,238	2,30,579	45,56,583
3 Krishna Delta system ..	40,77,830	71,000	40,06,830	1,01,141	16,703	73,279	1,91,123	41,97,953
4 Divi <i>cana</i> Krishna East Bank canal ..	4,73,438	20,300	4,53,138	13,253	4,036	69,866	87,205	5,40,343
5 Pennar river canals system ..	8,02,888	2,56,000	5,46,888	46,255	3,711	23,081	73,047	6,19,935
6 Arakkankotai channel ..	33,934	19,000	14,934	372	56	428	15,362	15,362
7 Tadepalle channel ..	1,30,798	76,000	54,798	2,890	39	2,929	57,727	57,727
8 Kalngarayan channel ..	1,17,301	85,000	32,301	419	64	483	32,784	32,784
9 Chembazhakki tank ..	51,343	16,000	35,343	898	59	957	36,300	36,300
10 Pomey ancient system ..	95,068	38,000	57,068	5,299	131	5,430	62,566	62,566
11 Cheyyar ancient system ..	86,327	39,000	46,327	3,196	104	1,435	4,735	51,132
12 Tirukkovilur ancient system ..	1,12,702	60,000	52,702	3,293	76	3,369	56,071	56,071
13 Shaktiaper ancient system ..	1,31,852	20,000	1,11,852	16,713	318	17,031	1,34,883	1,34,883
14 Mahanadur ancient system ..	23,823	4,000	19,823	94	23	20,019	20,019	20,019
15 Viddhaichalan ancient system ..	33,576	8,500	25,076	302	17	20	25,415	25,415
16 Lower Coleroon ancient system ..	4,09,499	1,55,000	2,54,499	51,197	318	51,515	3,06,014	3,06,014
17 Cauvery Delta system ..	40,26,941	33,80,209	6,46,732	1,13,060	18	1,13,078	7,60,775	7,60,775
18 Nandiyar channel system ..	29,847	17,000	12,847	60	18	12,865	13,097	13,097
19 Periyar system ..	7,72,221	2,04,000	5,68,221	15,400	4,940	74,523	94,863	6,63,084
20 Srirangam ancient system ..	2,00,968	79,000	1,21,968	1,423	67	1,490	1,23,458	1,23,458
21 Mandur ancient system ..	1,76,925	1,15,000	61,925	237	42	279	62,204	62,204
22 Curumb tank ..	37,637	30,000	7,637	443	18	461	8,098	8,098
23 Kattalai scheme ..	3,44,096	2,54,000	90,096	95,836	21	100	90,217	90,217
24 Ponnaiyandi Island system ..	95,836	99,971	13,13,030	..	..	..	95,836	95,836
25 Cauvery-Mettur Project ..	14,13,001	10,590	1,15,908	448	..	..	13,13,030	13,13,030
26 Willingdon reservoir ..	1,26,498	..	..	..	..	..	1,16,356	1,16,356
Total ..	1,83,34,524	52,86,570	1,30,97,954	5,67,659	50,280	2,81,334	8,99,253	1,39,97,207

Note.—The revenue due to old irrigation and new irrigation under the Cauvery Delta system fixed by the Accountant-General with reference to G.O. No. 703 I., dated 25th March 1936, is shown below:—

	Direct receipts.	Indirect receipts.	Total revenue.
Old irrigation ..	RS.	RS.	RS.
..	28,73,571	88,515	29,62,086
New irrigation ..	11,53,370	35,528	11,88,898

(ii) Unproductive Works—*cont.*

	Direct receipts.	Indirect receipts.	Total revenue.
Old irrigation ..	RS.	RS.	RS.
..	28,73,571	88,515	29,62,086
New irrigation ..	11,53,370	35,528	11,88,898
1 Nagavalli river system ..	89,471	37,400	52,071
2 Muniyeri ancient system ..	42,078	2,500	39,578
3 Jangamareshwarapuram tank ..	1,976	500	1,476
4 Atmakur tank ..	1,957	..	1,957
5 Dondapad tank ..	1,378	..	1,378
6 Bhavanasi tank ..	5,129	..	5,129
7 Mopad reservoir ..	39,732	433	39,299
8 Halpuram tank ..	5,396	..	5,396
9 Ponnalur tank ..	4,309	..	4,309
10 Anamasamudram-Biraperu tank ..	1,315	..	1,315
11 Yerur tank ..	963	..	963
12 Saglenu system ..	25,173	425	25,598
13 Markapur tank ..	10,993	17,800	28,793
14 Yellanur tank ..	1,851	2,130	3,981
15 Siddhapur tank ..	6,111	..	6,111
16 Nagavaram ancient and supply channel ..	4,192	2,256	6,448
17 Venkatapuram tank ..	1,072	2,194	3,266
18 Kurnool-Cuddapah canal ..	2,68,146	28,237	2,96,383
19 Chhapad channel ..	42,550	7,537	50,087
20 Barur tank ..	22,192	4,500	26,692
21 Kanniyampalayam ancient ..	23,547	11,000	34,547
22 Madras water-supply and irrigation system ..	33,558	5,000	38,558
23 Vallur ancient system ..	2,97,710	1,23,000	4,20,710
24 Pelandora ancient system ..	43,434	3,000	46,434
25 Panjappatti reservoir ..	10,139	..	10,139
26 Thippayapalem Project ..	..	..	..
Unproductive Works—Total ..	9,50,559	2,51,580	12,02,139
Grand total of Productive and Unproductive Works.	1,93,41,113	55,38,150	2,48,79,263

STATEMENT II.

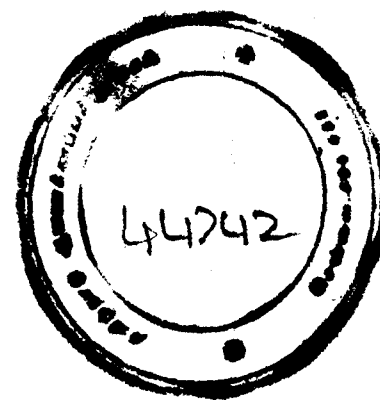
Systems.	Net receipts, direct and indirect.				Gross indirect receipts.			
	Average for five years ending 1938-39.		1940-41.		1940-41.		1940-41.	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
(1)	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
(i) Productive Works.								
1 Chicacole minor rivers system ..	50,040	36,757	69,234	38,080	7,874	7,874	7,874	7,874
2 Godavari delta system ..	46,25,102	41,80,382	44,82,761	43,30,666	2,30,509	2,30,579	2,30,579	2,30,579
3 Krishna delta system ..	39,92,903	35,05,544	42,75,962	39,91,719	1,91,023	1,91,123	1,91,123	1,91,123
4 Divi case Krishna East Bank Canal ..	3,09,147	4,78,032	3,83,279	5,16,819	87,206	87,206	87,206	87,206
5 Pennar river canals system ..	5,53,070	5,37,600	5,67,816	5,90,092	72,875	73,047	73,047	73,047
6 Arakkankottai channel ..	17,151	14,251	18,648	14,594	428	428	428	428
7 Tadepalle channel ..	56,427	50,375	63,976	54,841	2,929	2,929	2,929	2,929
8 Kalngarayan channel ..	89,613	31,521	32,759	31,145	483	483	483	483
9 Chembrambakkam tank ..	33,971	20,137	19,809	34,435	957	957	957	957
10 Polasey anicut system ..	53,681	49,459	41,633	59,431	5,438	5,438	5,438	5,438
11 Chettyar anicut system ..	57,112	28,758	37,352	48,647	4,735	4,735	4,735	4,735
12 Thirukoyilur anicut system ..	58,306	48,129	1,35,441	53,267	3,869	3,869	3,869	3,869
13 Shadukope anicut system ..	1,44,059	68,726	1,97,734	1,28,139	17,031	17,031	17,031	17,031
14 Mahamathur anicut system ..	18,894	17,349	15,604	19,022	196	196	196	196
15 Vridhabachalam anicut system ..	28,502	19,887	20,669	24,345	339	339	339	339
16 Willington reservoir ..	89,413	92,705	88,608	1,10,538	448	448	448	448
17 Lower Coleroon anicut system ..	3,92,704	2,94,918	3,12,244	2,90,714	51,515	51,515	51,515	51,515
18 Cauvery delta system ..	12,704	6,75,569	6,76,165	7,22,757	1,24,043	1,24,043	1,24,043	1,24,043
19 Nandiyar anicut system ..	7,45,331	6,14,023	6,24,669	6,33,656	250	250	250	250
20 Pertyar system ..	1,27,349	79,022	1,00,188	1,17,288	1,490	1,490	1,490	1,490
21 Srivakuntam anicut system ..	76,482	58,990	59,304	59,094	279	279	279	279
22 Marudur anicut system ..	7,418	4,474	9,938	7,693	461	461	461	461
23 Gumbam tank ..	82,564	74,990	81,820	85,711	121	121	121	121
24 Kattalai scheme ..	1,00,506	86,624	86,858	91,044	..	..	..	..
25 Polavarani Island system ..	10,46,202	11,06,352	11,13,029	11,91,030	..	..	..	..
26 Cauvery-Mettur Project ..	..	..	..	..	..	..	..	..

(ii) Unproductive Works.

1 Nagavalli river system ..	84,540	77,045	84,291	70,759	21,566	21,572	21,572	21,572
2 Mudiyeri anicut system ..	42,545	37,348	38,431	37,658	..	..	..	..
3 Jangamachavapuram tank ..	1,878	1,908	1,948	1,859	..	..	..	..
4 Annakur tank ..	1,263	1,720	1,815	1,819	..	..	..	..
5 Bhavanashi tank ..	3,501	22,888	37,848	42,471	5,170	5,170	5,170	5,170
6 Ropad reservoir ..	2,004	3,928	3,902	2,103	..	..	..	..
7 Halpuram tank ..	4,146	4,922	4,114	4,094	..	..	..	..
8 Ponnalur tank ..	4,899	841	96	1,680	..	..	..	..
9 Anamesamudram-Birapur tank ..	759	845	2,490	1,237	..	..	..	..
10 Serur tank ..	8,850	3,418	2,409	7,099	..	..	..	..
11 Sagluru system ..	2,326	6,372	2,957	8,339	..	..	..	..
12 Varkapur tank ..	2,654	2,326	2,951	2,838	..	..	..	..
13 Vellatur tank ..	1,733	5,936	1,750	5,804	1,104	1,104	1,104	1,104
14 Suddhapur tank ..	1,784	1,451	1,352	1,849	..	..	..	..
15 Negavaram anicut and supply channel ..	2,87,407	2,87,407	2,39,563	1,754	1,017	1,017	1,017	1,017
16 Venkatapuram tank ..	36,510	30,101	37,488	2,30,293	2,465	2,465	2,465	2,465
17 Karnool-Chuddapur canal ..	16,985	17,338	20,188	17,038	554	554	554	554
18 Chepad channel ..	..	..	..	..	787	787	787	787
19 Rarur tank ..	8,573	1,784	6,325	11,109	..	..	..	..
20 Kanayampalayam anicut ..	712	1,782	1,203	1,074	..	..	..	..
21 Madras water-supply and irrigation system ..	1,68,264	1,44,007	1,30,797	1,80,135	1,074	1,074	1,074	1,074
22 Valur anicut system ..	43,243	43,537	43,076	40,394	16,852	16,852	16,852	16,852
23 Palur anicut system ..	..	..	..	..	..	..	..	..
24 Palandurai anicut system ..	..	..	..	..	..	..	..	..
25 Thippayapalem Project ..	..	..	..	..	..	..	..	..
26 Panispatla reservoir ..	..	..	..	..	..	..	..	..

* New project.

[Prepared by the Board of Revenue, B.P. No. 111, dated 1st October 1941.]



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APPENDIX III.

Statement showing the extent irrigated and the revenue derived under "Minor Works" for fasli 1350 (1940-41).

Districts.	Area irrigated and charged and area irrigated free of charge.		Total land and irrigation revenue.	Share due to irrigation.	Deduct remissions and deductions.	Net revenue due to irrigation.
	First crop.	Second crop.				
	(2)	(3)				
(1)	ACS.	ACS.	RS.	RS.	RS.	RS.
WORKS IN CHARGE OF THE REVENUE DEPARTMENT.						
Vizagapatam	67,319	7,524	2,30,361	1,59,813	32,506	1,27,307
East Godavari	72,097	1,871	2,68,193	2,05,697	42,252	1,63,445
West Godavari	24,780	356	82,281	70,760	14,153	56,607
Kistna	12,982	15	75,037	63,754	12,661	51,093
Guntur	22,334	1,780	1,27,881	96,794	21,437	75,357
Nellore	55,050	13,822	2,92,616	2,45,943	39,065	2,06,878
Cuddapah	71,337	24,714	3,34,339	2,86,176	44,313	2,41,863
Anantapur	104,744	34,132	4,66,167	4,08,712	98,472	3,10,240
Bellary	21,623	4,896	92,848	82,214	15,692	66,522
Kurnool	31,103	5,959	1,26,574	1,07,977	19,851	88,126
Chittoor	96,878	41,236	5,37,038	4,37,614	1,11,100	3,26,514
Chingleput	155,307	47,428	5,98,528	4,31,728	73,280	3,58,448
North Arcot	166,133	80,565	10,44,167	7,58,652	1,70,044	5,88,608
South Arcot	173,839	62,127	10,40,741	7,63,104	1,49,689	6,13,415
Tanjore	32,350	2,693	91,797	68,857	13,921	54,936
Trichinopoly	75,804	31,358	4,17,338	3,24,199	51,358	2,72,841
Madura	86,232	26,498	4,31,396	3,59,051	54,074	3,04,977
Ramnad	20,965	14,692	1,22,975	1,05,006	10,163	94,843
Tinnevely	90,890	49,365	5,10,226	4,37,856	61,786	3,76,070
Coimbatore	26,588	9,255	1,55,889	1,34,689	13,122	1,21,567
Salem	79,597	35,848	4,83,781	3,34,039	70,446	2,63,593
Total of Minor works— Revenue Department	1,487,952	496,134	75,30,173	58,82,635	11,19,385	47,63,250

APPENDIX III

APPENDIX III

WORKS IN CHARGE OF THE PUBLIC WORKS DEPARTMENT.

Vizagapatam ..	60,860	7,430	2,96,844	2,01,211	47,686	1,53,525
East Godavari ..	30,767	1,792	1,36,869	1,04,456	25,137	79,319
West Godavari ..	20,982	914	95,345	81,710	13,143	68,567
Kistna ..	7,126	51	44,045	38,986	5,707	33,279
Guntur ..	4,600	369	25,675	19,960	3,192	16,768
Nellore ..	84,713	21,725	5,11,989	4,32,121	57,271	3,74,850
Cuddapah ..	36,533	16,985	2,08,541	1,81,322	20,793	1,60,529
Anantapur ..	51,023	18,290	2,84,712	2,48,692	56,101	1,92,591
Bellary ..	35,075	5,879	2,64,626	2,36,833	36,592	2,01,241
Kurnool ..	16,417	3,307	83,961	72,038	10,072	61,966
Chittoor ..	11,913	3,728	73,507	59,042	21,537	37,505
Chingleput ..	202,178	76,712	9,09,483	6,58,528	1,07,777	5,50,751
North Arcot ..	57,004	28,400	3,91,262	2,85,864	68,950	2,16,914
South Arcot ..	119,516	41,848	8,20,190	5,97,145	1,14,267	4,82,878
Tanjore ..	13,889	1,080	43,085	32,131	7,279	24,832
Trichinopoly ..	49,336	28,410	3,78,582	2,87,189	49,961	2,37,228
Madura ..	51,688	27,409	3,65,250	3,00,540	45,083	2,55,457
Ramnad ..	15,419	10,695	1,25,797	1,07,577	12,115	95,462
Tinnevely ..	94,328	66,995	9,73,618	8,18,628	1,16,612	7,02,016
Coimbatore ..	48,596	17,825	3,43,331	2,82,692	38,512	2,44,180
Salem ..	30,757	17,976	2,24,261	1,52,943	31,702	1,21,241
Total of Minor works— Public Works Depart- ment ..	1,042,720	397,820	65,99,973	51,99,608	8,88,489	43,11,119
Grand total of Minor works ..	2,530,672	893,954	1,41,30,146	1,10,82,243	20,07,874	90,74,369

[Prepared by the Board of Revenue—B.P. No. 117, dated 21st October 1941.]

APPENDIX IV.

Statement showing the number of wells used for irrigation in fasli 1350—Parts I and II.

Serial number and name of district.	Part I.				Part II.			
	Wells which lie in the wet ayacuts of recognised sources of irrigation.				Wells which have independent ayacuts of their own.			
	Wells in actual use.				Wells in actual use.			
	Number.	Area irrigated.	Number of wells in working order but not used.	Number of abandoned wells.	Total number of wells (columns (2) + (4) + (5)).	Number.	Area irrigated.	Number of wells in working order but not used.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1 Visapattam ..	4,297	6,119	813	1,175	6,285	508	408.	46
2 East Godavari ..	41	177	..	..	41	14	125	1
3 West Godavari ..	1	38	..	..	1	810	1,426	..
4 Krishna ..	1,134	3,429	286	104	1,524	797	3,056	75
5 Guntur ..	1,330	8,361	545	526	2,901	5,148	11,686	1,090
6 Nellore ..	3,911	14,321	5,391	1,877	11,179	7,704	33,912	1,043
7 Cuddapah ..	6,695	12,991	2,544	1,364	10,608	21,298	79,842	2,845
8 Anantapur ..	810	1,394	408	184	1,411	19,037	57,269	3,260
9 Bellary ..	825	11	518	197	1,040	8,538	9,570	1,347
10 Kurnool ..	20,035	28,244	1,955	2,262	24,252	6,135	18,665	2,551
11 Chingleput ..	17,639	27,049	4,883	3,107	25,629	10,398	19,527	1,198
12 Chittoor ..	56,082	66,808	4,714	4,622	65,368	12,934	22,880	962
13 North Arcot ..	22,347	57,361	6,291	2,341	30,979	70,868	93,861	2,079
14 South Arcot ..	11,921	27,548	890	441	13,252	..	..	5,930
15 Tanjore ..	11,297	19,512	2,676	1,536	13,252	62,949	99,364	576
16 Trichinopoly ..	4,383	10,621	149	134	4,668	36,121	103,509	2,909
17 Madras ..	9,427	14,040	4,843	633	14,908	19,701	27,657	1,383
18 Ramanad ..	3,093	15,656	449	306	3,848	18,391	36,935	3,841
19 Tirunelveli ..	24,892	36,976	1,874	3,037	29,843	91,484	376,881	1,046
20 Coimbatore ..	..	..	..	..	..	70,477	129,711	9,610
21 Salem ..	..	..	..	..	..	..	..	..
Total ..	200,159	362,651	39,229	23,851	263,239	459,642	1,126,797	35,044
								542,736

APPENDIX IV

REVIEW OF THE ADMINISTRATIVE ACCOUNTS OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS OF THE MADRAS PRESIDENCY, FOR THE YEAR 1940-41.

Irrigation, Navigation, Embankment and Drainage Works for which capital and revenue accounts are kept are classified into:—

(1) A. Irrigation works, and

(2) B. Navigation, Embankment and Drainage Works.

Each of these is subdivided into productive and unproductive works.

Every Irrigation, Navigation, Embankment or Drainage work for which a capital account is kept is classed as productive, if the net revenue anticipated therefrom at the end of ten years from the date of closing of the construction estimate appears likely to pay the annual interest charges on the capital invested (including direct and indirect charges and all arrears of simple interest). If a work is not expected to yield such a return, it is classed as unproductive.

2. For the abovementioned purpose, interest is calculated, at 4 per cent for works sanctioned before 1st April 1937, at 4 per cent for those sanctioned between 1st April 1937 and 31st March 1941 and at 5 per cent for those sanctioned on or after 1st April 1941.

3. The following table summarizes the results of irrigation, etc., works during the year 1940-41 in comparison with those of the previous year, 1939-40:—

	Total capital invested (direct and indirect and all arrears of simple interest) to end of		Gross receipts (direct and indirect) during
	1939-40.	1940-41.	
	(2)	(3)	(4)
(1)	RS.	RS.	RS.
A. Irrigation works—			
1 Productive	18,74,29,112	19,01,00,999	1,88,01,646
2 Unproductive	9,29,93,476	9,42,08,504	7,41,888
B. Navigation, etc., works—			
2 Unproductive	3,33,28,617	3,38,87,784	1,08,046
	Working expenses (direct and indirect) during		
	1939-40.	1940-41.	
	(5)	(6)	(7)
(1)	RS.	RS.	RS.
A. Irrigation works—			
1 Productive	1,49,43,586	40,55,277	42,30,532
2 Unproductive	8,16,102	3,46,677	3,80,138
B. Navigation, etc., works—			
2 Unproductive	1,08,689	2,33,550	2,74,341

	Net revenue during		Percentage on capital invested during	
	1939-40.	1940-41.	1939-40.	1940-41.
	(8)	(9)	(10)	(11)
	RS.	RS.		
A. Irrigation works—				
1 Productive	97,46,369	1,07,13,054	5.20	5.64
2 Unproductive	3,95,211	4,85,964	0.43	0.56
B. Navigation, etc., works—				
2 Unproductive	1,25,504	1,65,652	0.38	0.4

A. IRRIGATION WORKS.

I. Productive.

4. The number of productive works remained the same as in the previous year, i.e., 26, of which items 1 to 25 of Account No. 1 (General abstract) continued to be in operation. The construction estimate for item 25 (Cauvery-Mettur Project) was closed on the 30th September 1934, but the completion report is yet under sanction. The Kattalai Scheme (item 26) is still in progress.

5. As compared with the previous year there was an increase in revenue to the extent of Rs. 11.42 lakhs. Increases were noticeable under Srivaikuntam (Rs. 0.41 lakh), Godavari (Rs. 2.28 lakhs), Pennar river canals (Rs. 0.56 lakh), Periyar (Rs. 0.26 lakh), Kistna delta (Rs. 5.42 lakhs), Kistna East bank canal (Rs. 0.39 lakh) and Cauvery-Mettur Project (Rs. 1.02 lakhs).

6. The working expenses of the year under review showed a net increase of Rs. 1.75 lakhs as compared with the previous year. The reasons for the appreciable increase or decrease noticed in the case of some of the systems are mentioned below:—

Godavari Delta (+ Rs. 0.57 lakh).—The increase during the year was mainly due to repairs to flood damage works.

Srivaikuntam Anicut (+ Rs. 0.26 lakh).—The outlay during 1939-40 was small, as only works absolutely necessary were executed during that year.

Cauvery-Mettur Project (+ Rs. 2.86 lakhs).—The large expenditure during the year was due to the execution of a special work "Improvements and repairs to Agniar aqueduct."

Pennar River canals (- Rs. 0.49 lakh).—The reduction in expenditure during 1940-41 was mainly due to—

- Inability to spend the provision reserved for land charges owing to delay in the acquisition proceedings; and
- Unusual rains in the early part of the year which retarded progress on works.

Kistna Delta (- Rs. 0.27 lakh).—The low expenditure during the year was due to retarded progress in execution and the restriction of expenditure to essential and urgent works.

Polavaram Island Project (- Rs. 0.35 lakh).—The large expenditure during 1939-40 was due to outlay on certain conservancy works of the system debited in previous years to the Godavari Delta System having been written back to the system in that year.

Kattalai Scheme (- Rs. 0.35 lakh).—Increased expenditure during 1939-40 was due to execution of flood damage works.

The variation in the case of other systems is small and calls for no remarks.

7. The systems bearing Nos. 1 to 23 in Account No. 1 (General abstract) have been in operation for over thirteen years since the dates of closure of the construction estimates. Of these, items 1, 3, 5, 6, 9 to 11, 13, 17 to 19, 21 and 22 satisfy the test of productivity mentioned in paragraphs 1 and 2 above; items 4, 12, 15 and 16 have failed to do so during a portion of the triennium ending 1940-41, but their retention in the productive class is admissible with reference to rule 9 (b) of Appendix 1 to the Madras Account Code, Volume III. Items 2, 7, 8, 14, 20 and 23 have failed to yield the prescribed return during the triennium ending 1940-41. Government have ordered the retention of items 2 and 8 in the productive class up to the end of 1942-43 and the transfer of items 20 and 23 to the unproductive class with effect from 1941-42. The question whether the remaining two items, i.e., 7 and 14 should continue to be retained in the productive class is being referred to Government.

II. Unproductive.

8. There were 28 works of this class in the presidency as in the preceding year.

9. There was a net increase in revenue of Rs. 0.74 lakh, as compared with the previous year.

Marked increases were noticed in the cases of Madras water-works (Rs. 0.20 lakh), Palar (Rs. 0.38 lakh), and Mopad (Rs. 0.21 lakh) systems. The variation in the case of other systems was very small.

10. There was a slight fall (i.e., Rs. 0.17 lakh) in the total working expenses as compared with the previous year. This includes a decrease of Rs. 0.23 lakh relating to the Kurnool-Cuddapah canal and small increases or decreases in the case of other systems. The decrease in the case of the Kurnool-Cuddapah Canal is explained to be due to the execution of certain special repair works during 1939-40.

11. There are no systems of this class to be transferred to the productive class.

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B. NAVIGATION, ETC., WORKS.

12. There were two works of this class in the Province as in the preceding year and both of them are classed as unproductive. The revenue receipts remained almost the same as in the previous year, while there was an increase of about Rs. 0.41 lakh in the total amount of working expenses. The increase of about Rs. 0.48 lakh in the case of the Buckingham Canal is attributed to the adjustment of the cost of a dredger obtained from the Kistna Delta System and to the execution during the year of a special item of work "Reconstructing Greenways Road bridge."

J. SANTOS,
Accountant-General.

No. 1.—General Abstract of Financial Results showing the estimated cost of construction of Productive and Unproductive Works, the Capital outlay thereon, the Revenue derived therefrom, the Working Expenses and the interest on the debt incurred in respect of those works for and to end of 1940-1941.

IRRIGATION BRANCH.

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PUBLIC WORKS DEPARTMENT.

No. 1.—General Abstract of Financial Results showing the estimated cost of construction of Productive and Unproductive Works, the Capital outlay thereon, the Revenue derived therefrom, the Working Expenses and the interest on the debt incurred in respect of those works for and to end of 1940-1941.

Name of project.	ESTIMATED COST OF CONSTRUCTION.			Date of closure of construction estimate or in the case of works under construction date of sanction.	CAPITAL OUTLAY INCLUSIVE OF INDIRECT CHARGES DURING 1940-41.		
	Direct charges.	Indirect charges.	Total.		Direct charges.	Indirect charges.	Total.
	(2)	(3)	(4)		(6)	(7)	(8)
(1)	RS.	RS.	RS.	(5)	RS.	RS.	
WORKS FOR WHICH BOTH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.							
A. Irrigation Works.							
(1) Productive Works.							
1 Cauvery delta system ..	80,56,445	2,70,317	83,26,762	31st March 1889.	— 1,100	11	— 1,089
2 Srivaikuntam anicut system.	16,67,459	1,07,604	17,75,063	Do.	..	..	..
3 Godavari delta system ..	1,70,64,775	20,78,205	1,91,32,980	31st March 1890.	34,346	1,162	35,508
4 Mahamatur anicut system.	85,091	2,093	87,184	March 1891 ..	..	..	..
5 Thadapalli channel ..	1,66,383	11,063	1,77,446	1893 ..	..	..	..
6 Kalingarayan channel ..	1,75,980	4,506	1,80,486	1893 ..	..	..	..
7 Vriddhachalam anicut system.	1,04,144	4,060	1,08,204	31st March 1893.	..	..	..
8 Chembrambakkam tank ..	6,51,348	1,12,795	7,64,143	Do.	..	..	..
9 Marudur anicut system ..	58,721	1,401	60,122	1893 ..	..	..	..
10 Pennar river canals system ..	60,79,788	10,18,170	70,97,958	31st March 1894.	17,296	143	17,439
11 Arankota channel ..	1,40,769	3,676	1,44,445	Do.	..	..	..
12 Tirukkoyilur anicut system.	3,89,189	10,001	3,99,190	31st March 1895.	..	..	..
13 Shattakope anicut system ..	10,29,886	59,675	10,89,561	Do.	..	..	..
14 Cheyyar anicut system ..	5,24,798	15,201	5,39,999	31st March 1896.	..	..	..
15 Cumbum tank ..	83,985	2,388	86,373	Do.	..	..	..
16 Poiney anicut system ..	2,95,106	8,812	3,03,918	1897 ..	..	..	..

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ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

17 Periyar system	1,04,64,627	3,71,027	1,08,35,654	31st March 1897.	2,78,000	6,373	2,84,373
18 Kistna delta system	2,13,89,210	12,75,868	2,26,65,078	31st March 1898.	..	..	..
19 Nandiyar channel system	63,231	2,484	65,715	1899	..	..	..
20 Chicacole minor rivers system	2,78,196	11,030	2,89,226	31st March 1900.	..	..	..
21 Lower Coleroon anicut system	29,13,423	88,246	30,01,669	30th June 1903	..	..	..
22 Kistna East Bank Canal extension scheme	56,95,964	1,07,793	58,03,757	31st October 1913.	60,583	568	61,151
23 Toludur reservoir project	23,71,023	2,51,758	26,22,781	31st October 1925.	..	1	1
24 Polavaram Island project	16,69,109	27,466	16,96,575	28th Feb. 1934	..	..	..
25 Cauvery-Mettur project	6,67,70,000	11,30,000	6,79,00,000	15th June 1929	1,25,637	701	1,26,338
26 Kattalai scheme	44,22,274	91,438	45,13,712	1st December 1926.	15,847	343	16,190
Total, A. Irrigation— (1) Productive.	15,26,00,924	70,67,077	15,96,68,001		2,79,335	7,900	2,87,235
(2) Unproductive Works.							
1 Kurnool-Cuddapah canal	2,33,13,676	73,438	2,33,87,114	Not known	..	..	..
2 Barur tank	4,28,228	23,809	4,52,037	31st March 1891.	..	..	..
3 Vairut anicut	74,366	1,916	76,282	31st March 1893.	..	..	..
4 Madras water-supply and irrigation system	16,28,864	2,40,054	18,68,918	1893	..	..	..
5 Pelandora anicut system	6,43,302	48,772	6,92,074	1893	..	..	..
6 Palur anicut system	23,71,791	1,17,484	24,89,275	31st March 1896.	469	4	473
7 Munyaru system	5,79,336	30,265	6,09,601	1901-02	..	..	..
8 Dondapad tank	1,24,786	15,218	1,40,004	31st March 1903.	..	..	..
9 Yerur tank	61,741	1,612	63,353	31st March 1907.	..	..	..
10 Segileru system	4,47,108	17,619	4,64,727	Do.	..	..	..
11 Atmakur tank	1,11,959	13,444	1,25,403	31st August 1907.	..	..	..
12 Janganaheerapuram tank	61,253	10,411	71,664	31st March 1908.	..	..	..
13 Anamasamudram-Beraperu tank	71,687	1,886	73,573	31st March 1910.	..	..	..
14 Hajipuram tank	2,78,774	33,109	3,11,883	31st March 1911.	..	..	..
15 Ponnalur tank	1,92,975	25,674	2,18,649	Do.	..	..	..
16 Markapur tank	1,24,481	4,859	1,29,340	Do.	..	..	..
17 Nagavalli river system	17,22,414	44,616	17,67,030	31st December 1913.	364	3	367
18 Venkatapuram tank	3,72,250	12,671	3,84,921	31st March 1918.	..	..	..
19 Bhavanasi tank	2,54,395	11,096	2,65,491	31st March 1919.	..	..	..

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PUBLIC WORKS DEPARTMENT.

No. 1.—General Abstract of Financial Results showing the estimated cost of construction of Productive and Unproductive Works, the Capital outlay thereon, the Revenue derived therefrom, the Working Expenses and the interest on the debt incurred in respect of those works for and to end of 1940-1941—*cont.*

Name of project.	ESTIMATED COST OF CONSTRUCTION.			CAPITAL OUTLAY INCLUSIVE OF INDIRECT CHARGES DURING 1940-41.		
	Direct charges.	Indirect charges.	Total.	Direct charges.	Indirect charges.	Total.
(1)	(2)	(3)	(4)	(6)	(7)	(8)
WORKS FOR WHICH BOTH CAPITAL AND REVENUE ACCOUNTS ARE KEPT— <i>cont.</i>	RS.	RS.	RS.	RS.	RS.	RS.
<i>A. Irrigation Works—cont.</i>						
(2) Unproductive Works— <i>cont.</i>						
20 Yellanur tank ..	2,39,192	30,515	2,69,707	..	..	..
21 Panjapati reservoir ..	3,27,781	11,495	3,39,276	..	..	..
22 Siddapur tank ..	7,91,038	13,448	8,04,486	..	..	..
23 Nagavaram anicut and supply channel.	1,07,295	2,595	1,09,890	..	..	..
24 Moped reservoir system ..	21,94,146	96,429	22,90,575	..	..	..
25 Kannayampalayam anicut ..	1,07,221	3,853	1,11,074	..	..	..
26 Thippayapalem project ..	5,71,674	22,226	5,93,900	2,069	15	2,084
27 Beavannah channel ..	5,85,523	6,577	5,92,100	..	..	..
28 Duvvaleru project ..	1,50,620	1,455	1,52,075	53,577	396	53,973
Total, A. Irrigation—						
(2) Unproductive ..	3,79,37,876	9,16,546	3,88,54,422	56,479	418	56,897
Total, A. Irrigation Works ..	19,06,38,800	79,83,623	19,85,22,423	3,35,814	8,318	3,44,132

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

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MADRAS PRESIDENCY.

<i>B. Navigation, Embankment and Drainage Works.</i>						
(2) Unproductive Works.						
1 Vedaranniyam canal ..	1,32,699	3,733	1,36,432	..	..	..
2 Buckingham canal ..	86,19,962	4,89,679	91,09,671	770	6	776
Total, (2) Unproductive Works.	87,52,691	4,93,412	92,46,103	770	6	776
Total, B. Navigation, etc., Works.	87,52,691	4,93,412	92,46,103	770	6	776
Total, Construction of Irrigation, etc., Works.	19,92,91,491	84,77,035	20,77,68,526	3,36,584	8,324	3,44,908

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PUBLIC WORKS DEPARTMENT.

No. 1.—General Abstract of Financial Results showing the estimated cost of construction of Productive and Unproductive Works, the Capital outlay thereon, the Revenue derived therefrom, the Working Expenses and the interest on the debt incurred in respect of these works for and to end of 1940-1941—cont.

Name of project.	CAPITAL OUTLAY INCLUSIVE OF INDIRECT CHARGES TO END OF 1940-41.				GROSS RECEIPTS DURING THE YEAR 1940-41.				WORKING EXPENSES AND MAINTENANCE DURING 1940-41 INCLUSIVE OF INDIRECT CHARGES.												
	Direct charges.	Indirect charges.	Total.	Accumulated arrears of simple interest to end of the year.	Total capital invested to end of the year [columns (11) + (12)].	Direct receipts.	Portion of land revenue due to works, etc.	Total.	Direct charges.	Indirect charges.	Total.										
(9)	RS.	(10)	RS.	(11)	RS.	(12)	RS.	(13)	RS.	(14)	RS.	(15)	RS.	(16)	RS.	(17)	RS.	(18)	RS.	(19)	RS.
WORKS FOR WHICH BOTH CAPITAL AND REVENUE ACCOUNTS ARE KEPT—cont.																					
A. Irrigation Works —cont.																					
(1) Productive Works —cont.																					
1 Cauvery delta sys- tem.	80,15,290	2,68,662	82,83,952	..	82,83,952	..	11,62,848	35,528	11,98,376	3,33,229	1,993	3,35,222	1,993	3,35,222	1,993	3,35,222	1,993	3,35,222	1,993	3,35,222	
2 Srivaikuntam anicut system.	16,67,459	1,07,604	17,75,063	..	17,75,063	..	1,29,616	1,480	1,31,106	77,969	755	78,724	755	78,724	755	78,724	755	78,724	755	78,724	
3 Godavari delta sys- tem.	1,69,75,211	20,71,626	1,90,46,837	..	1,90,46,837	..	45,62,112	2,30,579	47,92,691	12,96,602	6,906	13,03,551	6,906	13,03,551	6,906	13,03,551	6,906	13,03,551	6,906	13,03,551	
4 Mahamattur anicut system.	85,091	2,093	87,184	..	87,184	..	20,389	196	20,585	7,319	749	8,068	749	8,068	749	8,068	749	8,068	749	8,068	
5 Thadapalli channel.	1,66,383	11,063	1,77,446	..	1,77,446	..	56,326	2,929	59,255	10,768	52	10,820	52	10,820	52	10,820	52	10,820	52	10,820	

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ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

(9)	RS.	(10)	RS.	(11)	RS.	(12)	RS.	(13)	RS.	(14)	RS.	(15)	RS.	(16)	RS.	(17)	RS.	(18)	RS.	(19)	RS.
6 Kalingarayan channel.	1,75,980	4,506	1,80,486	..	1,80,486	..	33,644	483	34,127	12,067	74	12,141	74	12,141	74	12,141	74	12,141	74	12,141	74
7 Vriddhachalam anicut system.	1,04,144	4,060	1,08,204	..	1,08,204	..	25,315	339	25,654	23,863	161	24,024	161	24,024	161	24,024	161	24,024	161	24,024	161
8 Chembambakkam tank.	6,51,348	1,12,765	7,64,143	..	7,64,143	..	35,465	957	36,422	4,503	18	4,521	18	4,521	18	4,521	18	4,521	18	4,521	18
9 Marudur anicut system.	58,721	1,401	60,122	..	60,122	..	63,727	279	64,006	16,467	79	16,546	79	16,546	79	16,546	79	16,546	79	16,546	79
10 Pennar river canals system.	60,31,960	10,16,774	70,48,734	..	70,48,734	..	5,50,349	73,047	6,23,396	71,700	262	71,962	262	71,962	262	71,962	262	71,962	262	71,962	262
11 Arankota channel.	1,40,769	3,676	1,44,445	..	1,44,445	..	15,182	428	15,610	8,718	59	8,777	59	8,777	59	8,777	59	8,777	59	8,777	59
12 Tirukoyilur anicut system.	3,89,189	10,001	3,99,190	..	3,99,190	..	53,325	3,369	56,694	34,087	218	34,305	218	34,305	218	34,305	218	34,305	218	34,305	218
13 Shatapo anicut system.	10,29,886	59,675	10,89,561	..	10,89,561	..	1,18,290	17,031	1,35,321	46,586	262	46,848	262	46,848	262	46,848	262	46,848	262	46,848	262
14 Cheyyar anicut system.	5,24,798	15,201	5,39,999	..	5,39,999	..	47,453	4,735	52,188	37,624	256	37,880	256	37,880	256	37,880	256	37,880	256	37,880	256
15 Cumbum tank ..	83,985	2,388	86,373	..	86,373	..	7,637	481	8,098	3,312	20	3,332	20	3,332	20	3,332	20	3,332	20	3,332	20
16 Ponnai anicut system.	2,96,106	8,812	3,03,918	..	3,03,918	..	57,351	5,488	62,839	26,208	169	26,377	169	26,377	169	26,377	169	26,377	169	26,377	169
17 Periyar system ..	1,04,64,627	3,71,027	1,08,35,654	..	1,08,35,654	..	5,82,569	94,863	6,77,432	1,61,863	977	1,62,840	977	1,62,840	977	1,62,840	977	1,62,840	977	1,62,840	977
18 Kistna delta system.	2,09,37,162	12,29,937	2,21,67,099	..	2,21,67,099	..	42,15,271	1,91,123	44,06,394	9,90,057	5,019	9,95,076	5,019	9,95,076	5,019	9,95,076	5,019	9,95,076	5,019	9,95,076	5,019
19 Nandiyar channel system.	63,231	2,484	65,715	..	65,715	..	13,115	250	13,365	2,884	13	2,897	13	2,897	13	2,897	13	2,897	13	2,897	13
20 Chicacole minor rivers system.	2,78,196	11,030	2,89,226	..	2,89,226	..	30,157	7,874	38,031	49,647	330	49,977	330	49,977	330	49,977	330	49,977	330	49,977	330
21 Lower Coleroon anicut system.	29,13,423	88,246	30,01,669	..	30,01,669	..	2,59,670	51,515	3,11,185	1,52,708	1,109	1,53,817	1,109	1,53,817	1,109	1,53,817	1,109	1,53,817	1,109	1,53,817	1,109
22 Kistna East Bank canal extension scheme.	57,22,676	1,06,772	58,29,448	..	58,29,448	..	4,54,276	87,205	5,41,481	89,586	434	90,020	434	90,020	434	90,020	434	90,020	434	90,020	434
23 Toludur reservoir project.	23,71,023	2,51,758	26,22,781	..	26,22,781	..	1,16,495	448	1,16,943	44,495	301	44,796	301	44,796	301	44,796	301	44,796	301	44,796	301
24 Polavaram Island project.	16,69,109	27,466	16,96,575	..	16,96,575	..	96,658	..	96,658	32,280	180	32,460	180	32,460	180	32,460	180	32,460	180	32,460	180
25 Cauvery-Mettur project.	6,46,40,240	10,46,217	6,56,86,457	..	6,56,86,457	..	13,32,314	..	13,32,314	6,53,543	4,351	6,57,894	4,351	6,57,894	4,351	6,57,894	4,351	6,57,894	4,351	6,57,894	4,351
26 Katelaj scheme ..	39,62,502	97,337	40,59,839	..	40,59,839	..	93,294	121	93,415	17,630	70	17,700	70	17,700	70	17,700	70	17,700	70	17,700	70
Total, A. Irrigation—(1) Productive.	14,94,17,509	69,32,611	15,63,50,120	..	15,63,50,120	..	1,41,32,848	8,10,738	1,49,43,586	42,05,715	24,817	42,30,532	24,817	42,30,532	24,817	42,30,532	24,817	42,30,532	24,817	42,30,532	24,817

No. 1.—General Abstract of Financial Results showing the estimated cost of construction of Productive and Unproductive Works, the Capital outlay thereon, the Revenue derived therefrom, the Working Expenses and the interest on the debt incurred in respect of those works for and to end of 1940-1941—cont.

Name of project.	CAPITAL OUTLAY INCLUSIVE OF INDIRECT CHARGES TO END OF 1940-41.				Total capital invested to end of the year [columns (11) + (12)].	GROSS RECEIPTS DURING THE YEAR 1940-41.				WORKING EXPENSES AND MAINTENANCE DURING 1940-41 INCLUSIVE OF INDIRECT CHARGES.				
	Direct charges.	Indirect charges.	Total.	Accumulat- ed arrears of simple interest to end of the year.		Direct receipts.	Portion of land revenue due to works, etc.	Total.	Direct charges.	Indirect charges.	Total.			
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)			
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.			
WORKS FOR WHICH BOTH CAPITAL AND REVENUE ACCOUNTS ARE KEPT— cont.														
A. Irrigation Works— cont.														
(2) Unproductive Works.														
1 Kinnool-Cuddapah canal.	2,33,13,676	73,438	2,33,87,114	4,36,50,021	6,70,37,135	2,84,576	3,019	2,87,595	1,13,700	660	1,14,360			
2 Barur tank ..	4,28,228	23,809	4,52,037	4,54,957	9,06,994	19,511	787	20,298	8,995	58	9,053			
3 Vallur anicut ..	74,366	1,916	76,282	54,144	1,30,426	— 903	1,074	171	6,335	51	6,386			
4 Madras Water-sup- ply and Irrigation system.	16,28,864	2,40,054	18,68,918	29,16,467	47,85,385	51,254	462	51,716	12,091	93	12,184			
5 Palendurai anicut ..	6,43,302	48,772	6,92,074	4,66,799	11,58,873	43,446	86	43,532	25,355	170	26,025			
6 Palur anicut system.	23,71,791	1,17,484	24,89,275	5,81,869	30,71,144	1,74,159	16,852	1,91,011	84,270	550	84,820			
7 Manjary system ..	5,79,336	30,265	6,09,601	2,73,449	8,83,050	40,317	62	40,379	10,949	58	11,007			

8 Dondapad tank ..	1,24,786	16,218	1,40,004	1,96,314	3,36,318	1,378	10	1,388	235	1	236
9 Yerur tank ..	61,741	1,612	63,353	57,264	1,20,617	— 1,388	86	— 1,302	845	7	852
10 Baglietu system ..	4,47,108	17,619	4,64,727	7,58,770	12,23,497	7,426	26	7,452	1,580	8	1,588
11 Annamalai tank ..	1,11,959	13,444	1,25,403	1,08,471	2,33,874	1,981	..	1,981	165	..	165
12 Jangamachavara- puram tank.	61,253	10,411	71,664	69,650	1,41,314	478	..	478	438	3	441
13 Annamasamudram- Beraseru tank.	71,687	1,886	73,573	87,064	1,60,637	715	1	716	— 56	— 1	— 57
14 Elajipuram tank ..	2,78,774	33,109	3,11,883	2,75,286	5,87,169	5,396	70	5,466	956	5	961
15 Ponnatur tank ..	1,92,975	25,374	2,18,349	2,53,647	4,72,296	4,309	..	4,309	1,071	6	1,077
16 Markapur tank ..	1,24,481	4,859	1,29,340	1,09,173	2,38,513	8,799	1	8,800	5,632	37	5,669
17 Nagavalli river sys- tem.	17,22,158	44,382	17,66,540	4,77,840	22,44,380	52,689	21,572	74,261	27,581	167	27,748
18 Venkatapuram tank.	3,72,250	12,671	3,84,921	3,82,670	7,67,591	1,803	38	1,846	1,510	10	1,520
19 Bhavanasi tank ..	2,54,395	11,096	2,65,491	2,38,542	5,04,033	5,152	..	5,152	1,938	12	1,950
20 Yellatur tank ..	2,39,192	30,515	2,69,707	2,09,910	4,79,617	1,851	1,104	2,955	4,963	35	4,998
21 Panjapatti reser- voir.	3,27,781	11,495	3,39,276	3,16,403	6,55,679	..	..	..	..	..	..
22 Siddapur tank ..	7,91,038	13,448	8,04,486	7,41,834	15,46,320	6,111	..	6,111	1,216	6	1,222
23 Nagavaram anicut and supply chan- nel.	1,07,295	2,595	1,09,890	76,003	1,85,893	1,937	1,017	2,954	585	4	589
24 Mopad reservoir system.	21,94,146	96,429	22,90,575	19,24,008	42,14,568	39,427	5,170	44,597	8,746	50	8,796
25 Kanniyasulayam anicut.	1,07,221	3,853	1,11,074	1,17,539	2,28,613	4,000	..	4,000	798	6	804
26 Thippayapalem project.	5,72,106	12,019	5,84,125	1,60,825	7,44,950	10,139	..	10,139	561	..	561
27 Beavanah chan- nel.	5,83,202	6,578	5,89,780	4,29,949	10,19,729	97	..	97	7,130	53	7,183
28 Duvaleru project.	1,22,707	880	1,23,587	6,287	1,29,874	..	..	..	..	..	..
Total, A. Irrigation— (2) Unproductive.	3,79,07,818	9,05,531	3,88,13,349	5,53,95,155	9,42,08,504	7,64,665	51,437	8,16,102	3,28,089	2,049	3,30,138
Total, A. Irrigation Works.	18,73,26,327	78,36,143	19,51,63,469	8,91,46,084	28,43,09,508	1,48,97,513	8,62,175	1,57,59,688	45,33,804	26,866	45,60,670

IRRIGATION BRANCH.

No. 1.—General Abstract of Financial Results showing the estimated cost of construction of Productive and Unproductive Works, the Capital outlay thereon, the Revenue derived therefrom, the Working Expenses and the interest on the debt incurred in respect of those works for and to end of 1940-1941—*cont.*

Name of project.	NET REVENUE.		PERCENTAGE ON CAPITAL OUTLAY [COLUMN (11)].		Simple interest during 1940-41.	Net gain.	Net loss.	PERCENTAGE OF NET REVENUE [COLUMNS (20) AND (21) ON CAPITAL INVESTED COLUMN (13)].			Prescribed rate of interest as test of productivity.
	Surplus (+).	Deficit (-).	Gain.	Loss.				During 1938-39.	During 1939-40.	During 1940-41.	
	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
	RS.	RS.			RS.	RS.	RS.				
WORKS FOR WHICH BOTH CAPITAL AND REVENUE ACCOUNTS ARE KEPT— <i>cont.</i>											
<i>A. Irrigation Works—cont.</i>											
(1) Productive Works— <i>cont.</i>											
12 Tirukkoilur ancient system.	22,389	..	5.61	..	17,514	4,875	..	— 15.79	— 0.32	5.61	
13 Shattatope ancient system.	88,473	..	8.12	..	46,345	42,128	..	4.59	7.82	8.12	
14 Cheyyar ancient system ..	14,308	..	2.65	..	23,616	..	9,308	— 5.84	— 2.62	2.65	
15 Cumbum tank ..	4,766	..	5.52	..	3,779	987	..	2.71	1.78	5.52	
16 Poiney ancient system ..	36,462	..	12.00	..	13,280	23,182	..	— 7.07	10.44	12.00	
17 Periyar system ..	5,14,592	..	4.75	..	4,70,908	43,684	..	4.56	4.65	4.75	
18 Kistna delta system ..	34,11,318	..	15.39	..	9,33,577	24,77,741	..	12.12	12.99	15.39	
19 Nandiyar channel system.	10,468	..	15.93	..	2,845	7,623	..	10.82	18.24	15.93	
20 Chiceole minor rivers system.	11,946	..	..	4.13	12,519	..	24,465	— 3.61	— 8.62	— 4.13	
21 Lower Coleroon ancient system.	1,57,368	..	5.24	..	1,31,104	26,264	..	5.93	4.72	5.24	

sanctioned between 1st April 1941.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

4 per cent in the case of works sanctioned before 1st April 1937, 4 per cent for those sanctioned on or after April 1937 and 5 per cent for those sanctioned on or after April 1941.

22 Kistna East Bank canal extension scheme.	4,51,461	..	7.74	..	2,55,537	1,95,924	..	5.14	7.35	7.74		
23 Totur reservoir project.	72,147	..	2.75	..	1,06,652	..	34,505	0.51	1.10	1.75		
24 Polavaram Island project.	64,198	..	3.78	..	75,102	..	10,904	3.61	1.32	3.57		
25 Cauvery-Mettur project.	6,74,420	..	1.03	..	29,11,620	..	22,37,200	0.98	0.93	0.70		
26 Kattalai scheme ..	75,715	..	1.86	..	1,77,758	..	1,02,043	0.58	0.53	1.32		
Total, A. Irrigation—(1) Productive ..	1,07,13,054	..	6.85	..	67,13,432	39,99,622	..	5.03	5.20	5.04		
(2) Unproductive Works.												
1 Kurnool-Cuddapah canal.	1,73,235	..	0.74	..	10,49,115	..	8,75,880	0.24	0.24	0.26		
2 Barur tank ..	11,245	..	2.49	..	19,264	..	8,019	0.40	1.24	1.24		
3 Vallur ancient ..	..	6,215	..	8.15	3,346	..	9,561	— 9.33	— 2.17	— 4.76		
4 Madras Water-supply and Irrigation works.	39,532	..	2.12	..	73,299	..	33,767	0.56	0.39	0.83		
5 Pelandora ancient system.	17,507	..	2.53	..	28,949	..	11,442	— 0.32	1.88	1.51		
6 Palar ..	1,06,191	..	4.27	..	1,06,663	..	472	1.72	2.13	3.46		
7 Munivaru system ..	29,372	..	4.82	..	26,064	3,308	..	3.36	3.26	3.33		
8 Dondapad tank ..	1,152	..	0.82	..	5,615	..	4,463	0.48	0.46	0.34		
9 Yerur tank ..	..	2,154	..	3.40	2,778	..	4,932	— 7.01	— 1.56	— 1.79		
10 Nagilern system ..	5,864	..	1.26	..	20,120	..	14,256	— 0.21	0.31	0.48		
11 Annakur tank ..	1,816	..	1.45	..	5,038	..	3,222	0.10	0.77	0.78		
12 Jangamaheswarpuram tank.	37	..	0.05	..	2,756	..	2,719	— 0.49	0.21	0.03		
13 Anasamudram. Bera-peru tank.	773	..	1.05	..	3,226	..	2,453	— 2.27	0.09	0.48		
14 Hajipuram tank ..	4,505	..	1.44	..	12,545	..	8,040	0.48	0.47	0.77		
15 Ponnalur tank ..	3,232	..	1.48	..	8,684	..	5,452	0.45	0.82	0.68		
16 Markapur tank ..	3,131	..	2.42	..	5,602	..	2,471	0.39	1.03	1.31		
17 Nagavalli river system ..	46,513	..	2.63	..	77,461	..	30,948	2.63	2.37	2.07		
18 Venkatapuram tank ..	326	..	0.08	..	16,751	..	16,425	0.08	0.11	0.04		
19 Bhavanasi tank ..	3,202	..	1.21	..	11,448	..	8,246	0.71	0.61	0.64		
20 Yellanur tank ..	..	2,043	..	0.76	10,764	..	12,807	0.06	0.24	— 0.43		
21 Panjapatti reservoir ..	..	..	..	..	14,750	..	14,750	..	..	..		
22 Siddapur tank ..	4,889	..	0.61	..	35,597	..	30,708	0.25	0.28	0.32		

No. 1.—General Abstract of Financial Results showing the estimated cost of construction of Productive and Unproductive Works, the Capital outlay thereon, the Revenue derived therefrom, the Working Expenses and the interest on the debt incurred in respect of those works for and to end of 1940-1941—*cont.*

Name of project.	NET REVENUE.		PERCENTAGE ON CAPITAL OUTLAY [COLUMN (11)].		Simple interest during 1940-41.	Net gain.	Net loss.	PERCENTAGE OF NET REVENUE [COLUMNS (20) AND (21) ON CAPITAL INVESTED COLUMN (13)].					Prescribed rate of interest as test of productivity.
	Surplus (+).	Deficit (-).	Gain.	Loss.				During 1938-39.	During 1939-40.	During 1940-41.			
											(20)	(21)		(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
WORKS FOR WHICH BOTH CAPITAL AND REVENUE ACCOUNTS ARE KEPT—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.						
A. Irrigation Works—cont.													
(2) Unproductive Works—cont.													
23 Nagavaram anicut and supply channel.	2,365	..	2·15	..	4,828	..	2,463	0·33	0·52	1·27			
24 Mopad reservoir system.	35,801	..	1·56	..	98,736	..	62,935	0·82	0·38	0·85			
25 Kanniyampalayam anicut.	3,196	..	2·88	..	4,825	..	1,629	1·19	0·82	1·40			
26 Thippayapalem project ..	9,578	..	1·64	..	25,427	..	15,849	0·77	0·48	1·29			
27 Basavannah channel ..	..	7,086	..	1·20	26,230	..	33,316	— 0·95	— 0·71	— 0·69			
28 Duvvaleru project ..	..	..	..	..	4,214	..	4,214	..	..	..			
Total, A. Irrigation—													
(2) Unproductive.	4,85,964	..	1·25	..	17,04,095	..	12,18,131	0·38	0·43	0·56			
Total, A. Irrigation Works.	1,11,00,018	..	5·74	..	84,17,527	27,81,491	..	3·49	3·62	3·94			

**B. Navigation, Embankment
and Drainage Works—cont.**

[illegible]

* Interest at 4.5 per cent on the capital outlay to end of 1936-37 ..
Interest at 4.35 per cent on the capital outlay during 1937-38 ..
Interest at 4.25 per cent on the capital outlay during 1938-39 ..
Interest at 4.25 per cent on the capital outlay during 1939-40 ..
Interest at 4.75 per cent on half of the capital outlay during 1940-41 ..

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

CAUVERY DELTA SYSTEM—Canal Project

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. Works—			
(1) Head works	..	20,40,615	20,40,615
(2) Main canals and branches	821	16,25,020	16,42,818
(3) Distributaries	..	2,80,350	2,95,850
(4) Drainage and protective works	..	16,10,179	16,10,179
(5) Special tools and plant	..	1,33,495	1,33,495
Old outlay	..	7,76,216	7,76,216
Total, Works	821	64,65,875	64,99,173
II. Establishment	278	14,29,213	14,35,394
III. Tools and plant	1	1,34,996	1,36,672
IV. Suspense	..	— 1	— 1
V. Less receipts on capital account	..	14,793	14,793
Net outlay in India and England	1,190	80,15,290	80,56,445

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

CAUVERY DELTA SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
3 Sales of water	492	11,441	(1) Head works	508	4,61,308
5 Receipts from plantations	5,383	2,92,310	(2) Main canals and branches	10,842	12,49,370
6 Receipts from other canal produce	2,049	1,62,351	(3) Distributaries	13,798	8,88,775
8 Navigation	572	3,828	(4) Drainage and protective works	5,953	4,64,571
9 Rents of buildings	948	29,254	(5) Special tools and plant	..	3,572
10 Fines	..	313	Add—Unclassifiable outlay	..	35,651
11 Miscellaneous	237	88,262	Total	31,101	31,03,247
Recoveries of expenditure	19	10,401			
Deduct—Refunds	272	4,393	II. MAINTENANCE AND REPAIRS—		
Total, Revenue realized in Public Works Department	9,478	5,64,267	(1) Head works	10,809	8,77,254
Irrigation Revenue realized in Civil Department	11,56,370	6,92,23,482	(2) Main canals and branches	4,76,639	1,05,29,731
Total, Direct Receipts	11,65,848	6,97,87,749	(3) Distributaries	53,168	29,02,161
			(4) Drainage and protective works	60,496	16,09,861
II. INDIRECT RECEIPTS—			(5) Special tools and plant	..	1,800
Share of land revenue collected in the Civil Department	35,528	98,54,274	Add—Unclassifiable outlay	..	36,27,372
			Total	6,01,112	1,95,47,979
			Total, Extensions and Improvements and Maintenance and Repairs	6,32,213	2,26,51,226
			IV. ESTABLISHMENT	3,22,829	88,05,443
			V. TOOLS AND PLANT	879	2,19,460
			VI. REFUNDS OF REVENUE	..	1,919
			Deduct—Recoveries on Revenue account	..	4,921
			Total, Direct charges	9,65,921	3,16,73,127
			Share of collection charges in the Civil Department	2,07,529	50,72,675
			Indirect charges	6,958	9,60,776
			Total, Direct and Indirect charges	11,70,408	3,77,06,578

CAUVERY DELTA SYSTEM—Canal Project—cont.
No. 3.—Revenue Accounts for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
Total, Public Works and Civil Departments, Revenue.	RS.	RS.	RS.	RS.
	11,98,376	7,96,42,023	* Deduct—Old maintenance charges saved to Government.	1,79,82,260
			Net Total ..	1,97,44,318
			Balance, Net Revenue ..	5,98,97,705
			Grand Total ..	7,96,42,023

Apportionment of the revenue and working expenses between the old and new works in respect of the Cauvery Delta system during 1940-41—vide G.Os. No. 763 I., dated 25th March 1936, and Ms. No. 2500, P.W., dated 29th November 1938.

Classification of the capital outlay.	Working expenses—Direct charges.									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Old works ..		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Improvements ..		2,06,39,073	29,62,086	22,193	4,28,945	1,42,413	71,385	11,037	5,531	5,531
		82,83,952	11,88,898	8,908	1,72,167	57,161	28,552	4,430	2,220	2,220
Total ..		2,89,23,025	41,60,462	31,101	6,01,112	1,99,574	1,00,937	15,467	7,751	7,751
	Working expenses—Indirect charges.									
	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Tools and plant.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
	627	1,48,090	8,30,221	454	4,511	4,965	8,35,186 *	21,26,900	8,63,154	8,63,154
	252	59,439	3,33,229	182	1,811	1,993	3,35,222	8,63,154	8,63,154	8,63,154
	879	2,07,529	11,63,450	636	6,322	6,958	11,70,408	29,90,054	29,90,054	29,90,054

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

CAUVERY DELTA SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	99,05,645	Net revenue realized to end of 1939-1940 ..	5,90,34,551
Total interest charges for the year 1940-1941.	3,60,326	Net revenue realized during 1940-1941 ..	8,63,154
Balance net revenue ..	4,96,31,734		
Total ..	5,98,97,705	Total ..	5,98,97,705

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenues ..	19	91,123
Leave and pension allowances ..	..	1,47,934
Audit and accounts ..	8	29,605
Total ..	11	2,68,662
REVENUE—		
Capitalization of abatement of land revenue ..	636	38,457
Leave and pension allowances ..	..	7,94,051
Audit and accounts ..	6,322	1,28,268
Total ..	6,958	9,60,776
Grand Total ..	6,969	12,29,438

CAUVERY DELTA SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGE AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Direct Charges.</i>							
Works ..	13,07,547	51,02,246	64,09,793	56,082	39,380	33,298	64,55,875
Establishment ..	3,07,377	11,03,645	14,11,022	18,191	24,372	6,181	14,29,213
Tools and plant ..	40,659	94,226	1,34,885	111	1,787	1,676	1,34,996
Suspense account ..	..	— 1	— 1	..	..	..	— 1
Total ..	16,55,583	63,00,116	79,55,699	74,384	1,15,539	41,155	80,30,083
<i>Less—Receipts on Capital Account.</i>	1,985	12,808	14,793	..	..	..	14,793
Net Total ..	16,53,598	62,87,308	79,40,906	74,384	1,15,539	41,155	80,15,290
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue.	66,184	24,939	91,123	..	1,323	1,323	91,123
Leave and pension allowances ..	57,144	90,790	1,47,934	..	..	..	1,47,934
Audit and accounts ..	..	29,044	29,044	561	893	332	29,905
Total ..	1,23,328	1,44,773	2,68,101	561	2,216	1,655	2,68,662
Grand Total ..	17,76,926	64,32,081	82,09,007	74,945	1,17,755	42,810	82,83,952

The construction estimate of the project was closed on 31st March 1889 and the completion report approved in G.O. No. 536 L, dated 3rd July 1891.

SRIVAİKUNTAM ANICUT SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 21 of the Administrative Accounts for 1934-1935.]

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

SRIVAIKUNTAM ANICUT SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.
	During the year.	To end of the year.	
	RS.	RS.	
I. DIRECT RECEIPTS—			
3 Sales of water	3,467	19,272	I. EXTENSIONS AND IMPROVEMENTS—
4 Water-supply of towns ..	619	52,794	(1) Head works
5 Receipts from plantations ..	295	40,840	(2) Main canals and branches ..
6 Receipts from other canal produce.	2,821	1,08,866	(3) Distributaries
7 Water power	..	171	(4) Drainage and protective works.
8 Navigation	..	15	(5) Special tools and plant ..
9 Rents of buildings	314	18,868	Total ..
10 Fines	..	50	
11 Miscellaneous	149	14,156	II. MAINTENANCE AND REPAIRS—
Recoveries of expenditure ..	..	350	(1) Head works
Deduct—Refunds	17	3,541	(2) Main canals and branches ..
Total, Revenue realized in Public Works Department	7,648	2,51,841	(3) Distributaries
Irrigation Revenue realized in Civil Department	1,21,968	79,83,415	(4) Drainage and protective works.
Total, Direct Receipts ..	1,29,616	82,35,256	(5) Special tools and plant ..
			Add—Unclassifiable outlay ..
			Total ..
			Total, Extensions and Improvements and Maintenance and Repairs ..
			IV. ESTABLISHMENT
			V. TOOLS AND PLANT
			VI. REFUNDS OF REVENUE
			Deduct—Recoveries on Revenue account
			Total, Direct Charges ..

II. INDIRECT RECEIPTS—
Share of land revenue collected in the Civil Department

1,490	1,10,569
1,31,106	83,45,825
1,31,106	83,45,825
Total, Receipts ..	

Share of collection charges in the Civil Department

811	1,32,324
87,082	49,61,429

Total, Public Works and Civil Departments, Revenue

Deduct—Old maintenance charges saved to Government *

8,358	5,26,534
78,724	44,35,895
52,382	39,09,930
1,31,106	83,45,825

Net Total ..

Balance, Net Revenue ..

Grand Total ..

RS.

* Direct—	
Extensions and improvements ..	352
Maintenance and repairs ..	5,208
Establishment ..	2,764
Tools and plant ..	— 22

Total, Direct ..

Indirect ..

Total, Direct and Indirect ..

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

6,173	4,21,261
811	1,32,324
87,082	49,61,429
8,358	5,26,534
78,724	44,35,895
52,382	39,09,930
1,31,106	83,45,825

SRIVAİKUNTAM ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940–1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939–1940 ..	37,44,546	Net revenue realized to end of 1939–1940 ..	38,57,548
Total interest charges for the year 1940–1941 ..	75,036	Net revenue realized during 1940–1941 ..	52,382
Balance, net revenue ..	90,348		
Total ..	39,09,930	Total ..	39,09,930

No. 5.—Account of Indirect Charges for and to end of 1940–1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	41,229
Leave and pension allowances ..	..	66,298
Audit and accounts ..	..	77
Total ..	..	1,07,604
REVENUE—		
Capitalization of abatement of land revenue ..	291	5,872
Leave and pension allowances ..	..	1,05,014
Audit and accounts ..	520	21,488
Total ..	811	1,32,324
Grand Total ..	811	2,39,928

SRIVAİKUNTAM ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works ..	..	..	13,23,683	..	..	..	13,23,683
Establishment ..	..	..	3,33,353	..	..	..	3,33,353
Tools and plant ..	..	..	10,792	..	..	..	10,792
Suspense account ..	..	..	..	..	..	..	..
Total ..	10,50,679	2,73,004	13,23,683	..	..	..	13,23,683
Less—Receipts on Capital account.	13,51,396	3,16,432	16,67,828	..	..	..	16,67,828
Net Total ..	369	..	369	..	..	..	369
	13,51,027	3,16,432	16,67,459	..	..	..	16,67,459
Indirect Charges.							
Capitalized abatement of land revenue ..	40,408	821	41,229	..	..	..	41,229
Leave and pension allowances ..	60,259	6,039	66,298	..	..	..	66,298
Audit and accounts ..	..	77	77	..	..	..	77
Total ..	1,00,667	6,937	1,07,604	..	..	..	1,07,604
Grand Total ..	14,51,694	3,23,369	17,75,063	..	..	..	17,75,063

The construction estimate of the project was closed on 31st March 1889 and the completion report approved in G.O. No. 802 L, dated 17th October 1891.

GODAVARI DELTA SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940–1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. Works—			
(1) Head works	..	9,58,672	9,58,672
(2) Main canals and branches ..	190	30,24,488	30,86,101
(3) Distributaries	14,631	15,28,356	15,90,546
(4) Drainage and protective works	11,095	27,83,940	27,94,334
(6) Special tools and plant ..	..	1,14,637	1,14,637
Old outlay	..	42,99,072	42,99,072
Total, Works ..	25,916	1,27,09,165	1,27,93,362
II. Establishment	9,530	33,16,829	33,06,868
III. Tools and plant	315	9,59,206	9,64,734
IV. Suspense	..	..	..
V. Less receipts on capital account ..	1,415	9,989	9,989
Net outlay in India and England ..	34,346	1,69,75,211	1,70,54,775

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940–41.

MADRAS PRESIDENCY.

GODAVARI DELTA SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940–1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
1 Water-rates	..	63	(1) Head works	1,545	3,10,448
3 Sale of water	..	66,335	(2) Main canals and branches ..	10,939	10,98,088
4 Water-supply of towns ..	..	39,648	(3) Distributaries	19,573	8,89,214
5 Receipts from plantations ..	..	5,23,623	(4) Drainage and protective works ..	30,350	3,70,355
6 Receipts from other canal produce ..	..	29,877	(5) Special tools and plant ..	..	87,892
8 Navigation receipts	..	1,94,143	Total ..	62,407	27,55,987
9 Rents of buildings	..	1,494			
10 Fines	..	1	II. MAINTENANCE AND REPAIRS—		
11 Miscellaneous	..	2,758	(1) Head works	51,416	24,52,110
Recoveries of expenditure ..	..	2,555	(2) Main canals and branches ..	3,26,236	1,32,36,556
Deduct—Refunds	..	5,650	(3) Distributaries	87,673	53,49,523
Total Revenue realized in Public Works Department	2,36,108	97,29,748	(4) Drainage and protective works ..	1,56,774	40,28,403
Irrigation Revenue realized in Civil Department	43,26,004	22,39,43,786	(5) Special tools and plant ..	..	4,01,516
Total, Direct Receipts ..	45,62,112	23,36,73,534	Add—Unclassifiable outlay ..	..	27,27,548
II. INDIRECT RECEIPTS—			Total ..	6,22,099	2,81,94,656
Share of land revenue collected in the Civil Department	2,30,579	1,46,22,491	Total, Extensions and Improvements and Maintenance and Repairs	6,84,506	3,09,50,643
Total, Public Works and Civil Department—Revenue	47,92,691	24,82,96,025	IV. ESTABLISHMENT	3,77,868	1,78,63,115
			V. TOOLS AND PLANT	8,311	28,57,758
			VI. REFUNDS OF REVENUE	..	19,950
			Deduct—Recoveries on Revenue account ..	..	33,735
			Total, Direct Charges ..	10,70,685	5,16,57,731
			Share of collection charges in the Civil Department ..	2,25,917	1,26,76,006
			Indirect charges	6,906	22,30,921
			Total, Direct and Indirect Charges ..	13,03,508	6,65,64,658
			Balance, net revenue ..	34,89,183	18,17,31,367
Total, Receipts ..	47,92,691	24,82,96,025	Grand Total ..	47,92,691	24,82,96,025

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

GODAVARI DELTA SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940	3,46,69,028	Net revenue realized to end of 1939-1940	17,82,42,184
Total interest charges for the year 1940-1941	7,62,931	Net revenue realized during 1940-1941	34,89,183
Balance, net revenue	14,62,99,408		
Total	18,17,31,367	Total	18,17,31,367

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue	902	15,38,329
Leave and pension allowances	..	5,08,757
Audit and accounts	260	24,540
Total	1,162	20,71,626
REVENUE—		
Capitalization of abatement of land revenue	61	1,05,608
Leave and pension allowances	6,845	19,84,645
Audit and accounts	..	1,40,668
Total	6,906	22,30,921
Grand Total	8,068	43,02,547

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

GODAVARI DELTA SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.	RS.	RS.	RS.	
Direct Charges.							
Works	79,85,366	43,18,182	1,23,03,548	4,05,617	4,89,814	84,197	1,27,09,165
Establishment	19,55,654	12,20,584	31,76,238	1,40,591	1,30,430	— 10,161	33,16,829
Tools and plant	8,69,822	85,297	9,55,119	4,087	9,615	5,528	9,59,206
Suspense account	..	..	..	..	..	..	..
Total	1,08,10,842	56,24,063	1,64,34,905	5,50,295	6,29,859	79,564	1,69,85,200
Less—Receipts on capital account.	933	9,056	9,989	..	..	..	9,989
Net Total	1,08,09,909	56,15,007	1,64,24,916	5,50,295	6,29,859	79,564	1,69,75,211
Indirect Charges.							
Capitalized abatement of land revenue	14,95,991	42,338	15,38,329	..	5,829	5,829	15,38,329
Leave and pension allowances	3,92,601	1,16,156	5,08,757	4,056	4,806	.. 750	5,08,757
Audit and accounts	..	20,484	20,484	4,056	10,635	6,579	20,71,626
Total	18,88,592	1,78,978	20,67,570	5,54,351	6,40,494	86,143	1,90,46,837
Grand Total	1,26,98,501	57,93,985	1,84,92,486				

The construction estimate of the project was closed on 31st March 1890 and the completion report approved in G.O. No. 365 I., dated 23rd April 1891.

MEHAMATTUR ANICUT SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 30 of the Administrative Accounts for 1939-40.]

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

MEHAMATTUR ANICUT SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
DIRECT RECEIPTS—					
I. Receipts from plantations	53	1,931	I. EXTENSIONS AND IMPROVEMENTS—		
6 Receipts from other canal produce.	13	3,213	(1) Head works	..	2,945
9 Rents of buildings	..	126	(2) Main canals and branches	..	15,438
			(3) Distributaries	922	9,169
			(4) Drainage and protective works	476	758
			(5) Special tools and plant	..	..
			Add—Unclassifiable outlay	..	9,521
			Total	1,398	37,831
II. Miscellaneous	500	3,897	II. MAINTENANCE AND REPAIRS—		
Recoveries of expenditure	..	16	(1) Head works	652	63,063
Deduct—Refunds	..	49	(2) Main canals and branches	884	91,128
			(3) Distributaries	1,960	54,012
			(4) Drainage and protective works	..	862
			(5) Special tools and plant	..	..
			Add—Unclassifiable outlay	..	45,826
Total Revenue realized in Public Works Department.	566	9,134	Total	3,496	2,54,891
Irrigation revenue realized in Civil Department.	19,823	9,46,054	Total, Extensions and Improvements and Maintenance and Repairs	4,894	2,92,722
			IV. ESTABLISHMENT	2,274	89,295
			V. TOOLS AND PLANT	7	715
			VI. REFUNDS OF REVENUE	..	4
			Deduct—Recoveries on Revenue Account	..	9
Total, Direct Receipts	20,389	9,55,188	Total, Direct Charges	7,175	3,82,727

MEHAMATTUR ANICUT SYSTEM—Canal Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. INDIRECT RECEIPTS—					
Share of land revenue collected in the Civil Department	196	5,542	Share of collection charges in the Civil Department	997	47,534
Total Public Works and Civil Department Revenue	20,585	9,60,730	Indirect charges	755	9,112
			Total, Direct and Indirect Charges. <i>Deduct—</i> Old maintenance charges saved to Government *	8,927	4,39,373
Total, Receipts	20,585	9,60,730		859	34,844
			Net Total	8,068	4,04,529
			Balance, net revenue	12,517	5,56,201
			Grand Total	20,585	9,60,730

* Direct—

	RS.
Extensions and Improvements	126
Maintenance and Repairs	510
Establishment	216
Tools and Plant	1
Total, Direct	853
Indirect	6
Direct and Indirect	859

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

MEHAMATTUR ANICUT SYSTEM—Canal Project—cont

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940.	1,90,166	Net revenue realized to end of 1939-1940.	5,43,684
Total interest charges for the year 1940-1941.	3,828	Net revenue realized during 1940-1941.	12,517
Balance, net revenue	3,62,207		
Total	5,56,201	Total	5,56,201

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	45
Leave and pension allowances	..	1,958
Audit and accounts	..	90
Total	..	2,093
REVENUE—		
Capitalization of abatement of land revenue	706	1,060
Leave and pension allowances	..	6,986
Audit and accounts	49	1,066
Total	755	9,112
Grand Total	755	11,205

MEHAMATTUR ANICUT SYSTEM—Canal Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works	56,289	11,456	67,745	..	..	..	67,745
Establishment	12,946	4,374	17,320	..	..	..	17,320
Tools and plant	..	26	26	..	..	..	26
Suspense account	..	..	..	..	..	..	..
Total	69,235	15,856	85,091	..	..	..	85,091
<i>Less—Receipts on Capital Account.</i>	..	..	..	..	..	..	..
Net Total	69,235	15,856	85,091	..	..	..	85,091
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue	..	45	45	..	..	..	45
Leave and pension allowances	1,812	146	1,958	..	..	..	1,958
Audit and accounts	..	90	90	..	..	..	90
Total	1,812	281	2,093	..	..	..	2,093
Grand Total	71,047	16,137	87,184	..	..	..	87,184

The construction estimate of the project was closed in March 1891.

THADAPALLI CHANNEL—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 37 of the Administrative Accounts for 1934-1935.]

THADAPALLI CHANNEL—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations ..	1,114	21,396	(1) Head works ..	..	6,707
6 Receipts from other canal produce ..	341	5,435	(2) Main canals and branches ..	..	52,020
9 Rents of buildings ..	73	2,355	(3) Distributaries ..	..	9,328
11 Miscellaneous ..	8	28,381	(4) Drainage and protective works ..	..	74
<i>Deduct—Refunds</i> ..	8	34	(5) Special tools and plant ..	..	7,726
			<i>Add—Unclassifiable outlay</i> ..	..	75,855
			Total ..		
Total, Revenue realized in Public Works Department ..	1,528	57,533	II. MAINTENANCE AND REPAIRS—		
Irrigation Revenue realized in Civil Department ..	54,798	29,77,380	(1) Head works ..	1,544	61,618
			(2) Main canals and branches ..	7,103	4,25,579
Total, Direct Receipts.	56,326	30,34,913	(3) Distributaries ..	153	9,498
			(4) Drainage and protective works ..	..	..
			(5) Special tools and plant ..	..	1,99,673
			<i>Add—Unclassifiable outlay</i> ..	..	6,98,368
			Total ..	8,800	
			Total, Extensions and Improvements and Maintenance and Repairs ..	8,800	7,72,223
			IV. ESTABLISHMENT ..	3,656	2,00,839
			V. TOOLS AND PLANT ..	36	3,647
			VI. REFUNDS OF REVENUE ..	..	22
			<i>Deduct—Recoveries on Revenue Account.</i>	..	11
			Total, Direct Charges ..	12,492	9,76,720

II. INDIRECT RECEIPTS—

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

Share of land revenue collected in the Civil Department ..	2,929	2,11,501	Share of collection charges in the Civil Department ..	2,886	1,59,444
Total, Public Works and Civil Departments, Revenue ..	59,255	32,46,414	Indirect Charges ..	88	21,650
			Total, Direct and Indirect Charges. <i>Deduct—Old maintenance charges saved to Government *</i> ..	15,466	11,57,814
			Net Total ..	4,646	1,35,589
			Balance, net revenue ..	10,820	10,22,225
			Grand Total ..	48,435	22,24,189
				59,255	32,46,414
Total, Receipts ..	59,255	32,46,414			
			* Direct—		
			Extensions and improvements ..	..	3,569
			Maintenance and repairs ..	..	..
			Establishment ..	..	1,026
			Tools and Plant ..	..	15
			Total, Direct ..	..	4,610
			Indirect ..	..	36
			Total, Direct and Indirect ..	..	4,646

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

THADAPALLI CHANNEL—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940–1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939–1940 ..	3,70,526	Net revenue realized to end of 1939–1940 ..	21,75,754
Total interest charges for the year 1940–1941 ..	7,487	Net revenue realized during 1940–1941 ..	48,435
Balance, net revenue ..	18,46,176		
Total ..	22,24,189	Total ..	22,24,189

No. 5.—Account of Indirect Charges for and to end of 1940–1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	6,915
Leave and pension allowances ..	..	4,135
Audit and accounts ..	..	13
Total ..	..	11,063
REVENUE—		
Capitalization of abatement of land revenue ..	..	155
Leave and pension allowances ..	..	18,518
Audit and accounts ..	88	2,977
Total ..	88	21,650
Grand Total ..	88	32,713

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940–41.

MADRAS PRESIDENCY.

THADAPALLI CHANNEL—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works ..	70,897	65,634	1,36,531	..	..	..	1,36,531
Establishment ..	16,306	13,530	29,836	..	..	..	29,836
Tools and plant ..	..	16	16	..	..	..	16
Suspense account ..	..	..	..	..	..	..	..
Total ..	87,203	79,180	1,66,383	..	..	..	1,66,383
Less—Receipts on capital account.	..	..	..	..	..	..	..
Net Total ..	87,203	79,180	1,66,383	..	..	..	1,66,383
Indirect Charges.							
Capitalized abatement of land revenue ..	..	6,915	6,915	..	..	..	6,915
Leave and pension allowances ..	2,283	1,852	4,135	..	..	..	4,135
Audit and accounts ..	..	13	13	..	..	..	13
Total ..	2,283	8,780	11,063	..	..	..	11,063
Grand Total ..	89,486	87,960	1,77,446	..	..	..	1,77,446

The construction estimate of the Project was closed in 1893.

KALINGARAYAN CHANNEL—*Canal Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 42 of the Administrative Accounts for 1934-1935.]

KALINGARAYAN CHANNEL—*Canal Project*—cont.

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations ..			(1) Headworks ..		3,545
6 Receipts from other canal produce ..	1,177	26,845	(2) Main canals and branches ..	1,398	60,497
8 Navigation receipts ..	166	11,394	(3) Distributaries ..		280
9 Rents of buildings ..	44	1,471	(4) Drainage and protective works ..		
11 Miscellaneous ..		41,123	(5) Special tools and plant ..		11,569
Deduct—Refunds ..	44	144	Add—Unclassifiable outlay ..		
Total, Revenue realized in Public Works Department ..	1,343	80,705	Total ..	1,398	75,891
Irrigation revenue realized in Civil department ..	32,301	20,68,972	II. MAINTENANCE AND REPAIRS—		
Total, Direct Receipts ..	33,644	21,49,677	(1) Head works ..	485	1,01,471
			(2) Main canals and branches ..	9,514	3,95,328
			(3) Distributaries ..		
			(4) Drainage and protective works ..		
			(5) Special tools and plant ..		50
			Add—Unclassifiable outlay ..		3,53,846
			Total ..	9,999	8,50,595
			Total, Extensions and Improvements and Maintenance and Repairs ..	11,397	9,26,486
			IV. ESTABLISHMENT ..	4,141	2,36,449
			V. TOOLS AND PLANT ..	46	3,393
			VI. REFUNDS OF REVENUE ..		243
			Deduct—Recoveries on Revenue account ..		9
			Total, Direct charges ..	15,584	11,66,562

KALINGARAYAN CHANNEL—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	TOTAL.
	During the year.	To end of the year.		
	RS.	RS.		RS.
II. INDIRECT RECEIPTS—				
Share of land revenue collected in the Civil Department	483	30,967	Share of collection charges in the Civil Department	1,04,997
Total, Public Works and Civil Departments, Revenue	34,127	21,80,644	Indirect charges	26,563
Total, Receipt	34,127	21,80,644	Total, Direct and Indirect Charges	12,98,122
			Deduct—Old maintenance charges saved to Government *	1,51,653
			Net Total	11,46,469
			Balance, net revenue	10,34,175
			Grand Total	21,80,644

* Direct—

Extensions and improvements	3,992
Maintenance and repairs	1,148
Establishment	16
Tools and plant	5,156
Indirect	40
Total, Direct	5,196
Total, Direct and Indirect	5,196

KALINGARAYAN CHANNEL—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940	3,02,477	Net revenue realized to end of 1939-1940	10,12,189
Total interest charges for the year 1940-1941	7,919	Net revenue realized during 1940-1941	21,980
Balance, net revenue	7,23,779		
Total	10,34,175	Total	10,34,175

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Leave and pension allowances	..	4,506
Total	..	4,506
REVENUE—		
Leave and pension allowances	..	23,737
Audit and accounts	114	2,826
Total	114	26,563
Grand Total	114	31,069

KALINGARAYAN CHANNEL—Canal Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct charges.</i>							
Works	43,775	1,00,014	1,43,789	..	..	..	1,43,789
Establishment	10,068	22,123	32,191	..	..	..	32,191
Tools and plant	..	..	..	..	..	..	..
Suspense account	..	..	..	..	..	..	..
Total ..	53,843	1,22,137	1,75,980	..	..	..	1,75,980
<i>Less—Receipts on Capital account.</i>	..	..	..	..	..	..	..
Net Total ..	53,843	1,22,137	1,75,980	..	..	..	1,75,980
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue	1,410	3,096	4,506	..	..	..	4,506
Leave and pension allowances	..	..	..	..	..	..	..
Total ..	1,410	3,096	4,506	..	..	..	4,506
Grand Total ..	55,253	1,25,233	1,80,486	..	..	..	1,80,486

The construction estimate of the project was closed in 1893.

VRIDDHACHALAM ANICUT SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 43 of the Administrative Accounts for 1935-1936.]

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

VRIDDHACHALAM ANICUT SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL		Charges.	TOTAL	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—			I. EXTENSION AND IMPROVEMENTS—		
1 Sales of water	..	322	(1) Headworks	18	8,334
5 Receipts from plantations	..	7,014	(2) Main canals and branches	354	31,490
6 Receipts from other canal produce. ..	227	3,337	(3) Distributaries	1,897	19,807
8 Navigation receipts	3	1	(4) Drainage and protective works. ..	..	..
9 Rents of buildings	..	126	(5) Special tools and plant	..	1,968
10 Fines	2	5	<i>Add—Unclassifiable outlay</i>	..	..
11 Miscellaneous	7	2,069	Total	2,269	61,599
Recoveries of expenditure	..	36	II. MAINTENANCE AND REPAIRS—		
<i>Deduct—Refunds</i>	..	744	(1) Headworks	3,148	82,471
Total, Revenue realized in Public Works Department.	239	12,166	(2) Main canals and branches	6,703	1,36,556
Irrigation revenue realized in Civil Department.	25,076	14,33,387	(3) Distributaries	3,976	72,620
Total, Direct Receipts	25,315	14,45,553	(4) Drainage and protective works. ..	..	1,089
II. INDIRECT RECEIPTS—			(5) Special tools and plant	..	53,862
Share of land revenue collected in the Civil Department.	339	25,260	<i>Add—Unclassifiable outlay</i>	..	..
Total, Public Works and Civil Departments, Revenue.	25,654	14,70,813	Total	13,827	3,46,598
Total, Receipts	25,654	14,70,813	● Total, Extensions and Improvements and Maintenance and Repairs.	16,096	4,08,197
			IV. ESTABLISHMENT	6,474	1,27,517
			V. TOOLS AND PLANT	23	1,205
			VI. REFUNDS OF REVENUE	..	..
			<i>Deduct—Recoveries on revenue account</i>	..	62
			Total, Direct Charges	22,593	5,36,857
			Share of collection charges in the Civil Department.	1,270	72,919
			Indirect charges	161	11,047
			Total, Direct and Indirect charges.	24,024	6,20,823
			Balance, net revenue	1,630	8,49,990
			Grand Total	25,654	14,70,813

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

VRIDDHACHALAM ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940.	1,80,651	Net revenue realized to end of 1939-1940.	8,48,360
Total interest charges for the year 1940-1941.	4,686	Net revenue realized during 1940-1941.	1,630
Balance, net revenue ..	6,64,653		
Total ..	8,49,990	Total ..	8,49,990

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	1,737
Leave and pension allowances	..	2,180
Audit and accounts	..	143
Total ..	..	4,060
REVENUE—		
Capitalization of abatement of land revenue ..	..	410
Leave and pension allowances	..	8,917
Audit and accounts	161	1,720
Total ..	161	11,047
Grand Total ..	161	15,107

PUBLIC WORKS DEPARTMENT.

VRIDDHACHALAM ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works ..	..	..	..	..	..	..	82,956
Establishment ..	..	..	..	..	..	..	21,125
Tools and plant ..	..	..	..	..	..	..	63
Suspense account ..	..	..	..	..	..	..	..
Total ..	48,468	55,676	1,04,144	..	..	..	1,04,144
<i>Less—Receipts on Capital account.</i>	..	..	..	..	..	..	..
Net Total ..	48,468	55,676	1,04,144	..	..	..	1,04,144
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue.	..	1,737	1,737	..	..	..	1,737
Leave and pension allowances ..	1,269	911	2,180	..	..	..	2,180
Audit and accounts ..	..	143	143	..	..	..	143
Total ..	1,269	2,791	4,060	..	..	..	4,060
Grand Total ..	49,737	58,467	1,08,204	..	..	..	1,08,204

The construction estimate of the project was closed on 31st March 1893.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

CHEMBRAMBAKKAM TANK—Tank Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 51 of the Administrative Accounts for 1934-1935.]

CHEMBRAMBAKKAM TANK—*Tank Project*—cont.

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.		TOTAL.		Charges.		TOTAL.	
		During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
		RS.	RS.	RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS—							
5 Receipts from plantations	..	55	445	I. EXTENSIONS AND IMPROVEMENTS—			
6 Receipts from other canal produce.	..	49	2,425	(1) Head works	..	..	4,670
9 Rents of buildings	..	..	1,615	(2) Main canals and branches	..	..	43,319
10 Fines	..	..	5	(3) Distributaries	..	..	4,448
Recoveries of expenditure	..	..	29	(4) Drainage and protective works.	..	..	..
11 Miscellaneous	..	21	11,811	(5) Special tools and plant	..	..	..
Deduct—Refunds	..	3	270	Total	..	..	52,437
Total, Revenue realized in Public Works Department	..	122	16,080	II. MAINTENANCE AND REPAIRS—			
Irrigation Revenue realized in Civil Department	..	35,343	24,37,565	(1) Head works	..	..	37,198
		35,465	24,53,625	(2) Main canals and branches	..	7,215	4,62,505
				(3) Distributaries	..	..	16,325
				(4) Drainage and protective works.	..	..	..
				(5) Special tools and plant	..	..	..
				Add—Unclassifiable outlay	..	..	..
				Total	..	7,215	5,16,028
II. INDIRECT RECEIPTS—							
Share of land revenue collected in the Civil Department	..	957	55,450	Total, Extensions and Improvements and Maintenance and Repairs			
Total, Public Works and Civil Departments—Revenue	..	36,422	25,09,075	IV. ESTABLISHMENT			
				7,215			
				1,952			
				11			
				45			
				293			
				7,15,881			
				1,32,519			
				20,315			
				11,065			
				8,68,715			

**ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.**

	Deduct—Old maintenance charges saved to Government *	.. ..	6,544	4,87,273
		Net Total ..	4,521	3,81,442
		Balance, net revenue ..	31,901	21,27,633
Total, receipts ..	36,422	25,09,075	36,422	25,09,075

	RS.
* Direct—	
Extensions and improvements	2,283
Maintenance and repairs	3,097
Establishment ..	1,102
Tools and plant	8
Total, Direct charges	6,490
Indirect charges	54
Total, Direct and Indirect	6,544

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CHEMBRAMBAKKAM TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940–1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939–1940 ..	16,09,803	Net revenue realized to end of 1939–1940	20,95,732
Total interest charges for the year 1940–1941 ..	29,311	Net revenue realized during 1940–1941	31,901
Balance, net revenue ..	4,88,519		
Total ..	21,27,633	Total ..	21,27,633

No. 5.—Account of Indirect Charges for and to end of 1940–1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	85,701
Leave and pension allowances	..	27,081
Audit and accounts	..	13
Total ..	..	1,12,795
REVENUE—		
Leave and pension allowances	..	18,491
Audit and accounts	72	1,824
Total ..	72	20,315
Grand Total ..	72	1,33,110

CHEMBRAMBAKKAM TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works ..	4,91,801	22,454	5,14,255	..	..	..	5,14,255
Establishment ..	1,24,534	4,424	1,28,958	..	..	..	1,28,958
Tools and plant ..	8,204	45	8,249	..	..	..	8,249
Suspense account ..	..	..	..	..	..	..	..
Total ..	6,24,539	26,923	6,51,462	..	..	..	6,51,462
Less—Receipts on Capital Account.	114	..	114	..	..	..	114
Net Total ..	6,24,425	26,923	6,51,348	..	..	..	6,51,348
Indirect Charges.							
Capitalized abatement of land revenue ..	85,701	..	85,701	..	..	..	85,701
Leave and pension allowances ..	26,463	618	27,081	..	..	..	27,081
Audit and accounts ..	..	13	13	..	..	..	13
Total ..	1,12,164	631	1,12,795	..	..	..	1,12,795
Grand Total ..	7,36,589	27,554	7,64,143	..	..	..	7,64,143

The construction estimate of the project was closed on 31st March 1893.

[Vide details on page 56 of the Administrative Accounts
for 1934-1935.]

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.		Charges.	
TOTAL.		TOTAL.	
During the year.	To end of the year.	During the year.	To end of the year.
RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS—			
3. Sales of water	16	I. EXTENSIONS AND IMPROVEMENTS—	
5. Receipts from plantations	21	(1) Head works	1,512
6. Receipts from other canal produce.	1,026	(2) Main canals and branches	50,918
9. Rents of buildings	11	(3) Distributaries	10,636
11. Miscellaneous	883	(4) Drainage and protective works	25,532
Recoveries of expenditure	148	(5) Special tools and plant	11,000
Deduct—Refunds	139	Add—Unclassifiable outlay	99,598
Total revenue realized in Public Works Department	1,802	Total	1,543
Irrigation revenue realized in Civil Department	61,925	II. MAINTENANCE AND REPAIRS—	
Total, Direct Receipts	63,727	(1) Head works	521
		(2) Main canals and branches	8,872
		(3) Distributaries	1,605
		(4) Drainage and protective works	58,782
		(5) Special tools and plant	1,98,634
		Add—Unclassifiable outlay	9,85,955
		Total	12,541
		Total, Extensions and Improvements and Maintenance and Repairs	7,886
		IV. ESTABLISHMENT	— 52
		V. TOOLS AND PLANT	871
		VI. REFUNDS OF REVENUE	145
		Deduct—Recoveries on Revenue account.	17
		Total, Direct Charges	13,93,970

MARUDUR ANICUT SYSTEM—Canal Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.
II. INDIRECT RECEIPTS—				
Share of land revenue collected in the Civil Department ..	279	16,657	Share of collection charges in the Civil Department ..	3,110
Total, Public Works and Civil Departments, Revenue ..	64,006	56,41,810	Indirect charges ..	126
			Total, Direct and Indirect Charges.	23,611
			Deduct—Old maintenance charges saved to Government * ..	7,065
			Net Total ..	16,546
			Balance, Net revenue ..	47,460
Total, Receipts ..	64,006	56,41,810	Grand Total ..	64,006

* Direct—

Extensions and Improvements ..	200
Maintenance and Repairs ..	4,500
Establishment ..	2,337
Tools and Plant ..	—19
Total, Direct charges ..	7,018
Indirect ..	47
Total, Direct and Indirect ..	7,065

MARUDUR ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-40 ..	1,07,980	Net revenue realized to end of 1939-1940 ..	41,53,475
Total interest charges for the year 1940-1941 ..	2,642	Net revenue realized during 1940-1941 ..	47,460
Balance, Net revenue ..	40,90,313		
Total ..	42,00,935	Total ..	42,00,935

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Leave and pension allowances ..	..	1,336
Audit and accounts ..	..	65
Total ..	..	1,401
REVENUE—		
Capitalization of abatement of land revenue ..	..	697
Leave and pension allowances ..	..	22,113
Audit and accounts ..	126	5,631
Total ..	126	28,441
Grand Total ..	126	29,842

MARUDUR ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.	RS.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.		
	RS.	RS.	RS.					
<i>Direct Charges.</i>								
Works	32,590	15,335	47,925	..	..	..	47,925	
Establishment	7,496	3,324	10,820	..	..	..	10,820	
Tools and plant	..	— 24	— 24	..	..	..	— 24	
Suspense account	..	..	..	..	..	..	..	
Total	40,086	18,635	58,721	..	..	..	58,721	
Less—Receipts on Capital account.	..	..	..	..	..	..	..	
Net Total	40,086	18,635	58,721	..	..	..	58,721	
<i>Indirect Charges.</i>								
Capitalized statement of land revenue	1,049	287	1,336	..	..	..	1,336	
Leave and pension allowances	..	65	65	..	..	..	65	
Audit and accounts	..	..	..	..	..	..	..	
Total	1,049	352	1,401	..	..	..	1,401	
Grand Total	41,135	18,987	60,122	..	..	..	60,122	

The construction estimate of the project was closed in 1893.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

PENNAR RIVER CANALS SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. Works—			
(1) Head works	2,902	9,29,109	9,47,949
(2) Main canals and branches	125	16,13,533	16,13,408
Reservoirs	..	77,965	77,965
(3) Distributaries	9,122	13,71,078	13,74,949
(4) Drainage and Protective works	1,570	3,36,619	3,39,483
(5) Water courses	617	937	14,340
Unforeseen works	..	60	60
Old outlay	..	5,26,117	5,26,117
Total, Works	14,336	48,55,418	48,94,271
II. Establishment	2,937	10,34,349	10,40,266
II. Tools and plant	23	1,45,051	1,48,109
V. Less—Receipts on capital account	..	2,858	2,858
Net outlay in India and England	17,296	60,31,960	60,79,788

PENNAR RIVER CANALS SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

IRRIGATION BRANCH.

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PUBLIC WORKS DEPARTMENT.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—					
3 Sales of water	9	21	I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations		3,134	(1) Head works	302	22,798
6 Receipts from other canal produce	1,627	1,06,933	(2) Main canals and branches	1,029	1,36,907
8 Navigation	616	4,258	(3) Distributaries		2,91,762
9 Rents of buildings	448	19,313	(4) Drainage and protective works		39,941
10 Fines		11	(5) Special tools and plant		— 207
11 Miscellaneous	73	20,975	Add—Unclassifiable outlay		8,370
Recoveries of expenditure	688	7,513	Total	1,336	4,99,571
Deduct—Refunds		6,967			
Total, Revenue realized in Public Works Department	3,491	1,55,191	II. MAINTENANCE AND REPAIRS—		
irrigation revenue realized in Civil Department	5,46,888	2,58,96,953	(1) Head works	5,843	6,17,723
Total, Direct Receipts	5,50,349	2,60,52,144	(2) Main canals and branches	14,653	17,58,366
			(3) Distributaries	29,310	16,79,239
II. INDIRECT RECEIPTS—			(4) Drainage and protective works	4,707	1,87,816
Share of land revenue collected in the Civil Department	73,047	32,35,315	(5) Special tools and plant		23,236
Total, Public Works and Civil Departments, Revenue	6,23,396	2,92,87,959	Add—Unclassifiable outlay		42,66,929
			Total	54,513	7,390
			III. COMPENSATION		
			Total, Extensions and Improvements and Maintenance	55,849	47,73,890
			IV. ESTABLISHMENT	21,697	22,06,253
			V. TOOLS AND PLANT	84	38,749
			VI. REFUNDS OF REVENUE		1,907
			Total, Direct Charges	77,630	70,20,799
			Share of collection charges in the Civil Department	29,843	14,65,646
			Indirect charges	559	2,90,725
			Total, Direct and Indirect Charges	1,08,032	87,77,170

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ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY

Total, Receipts ..		6,23,396	2,92,87,959	36,070	26,81,837
* Direct—					
Extensions and improvements					
Maintenance and repairs					
Establishment					
Tools and plant					
Indirect					
Total, Direct					
Total, Direct and Indirect					
Deduct—Old maintenance charges saved to Government *					
Net Total ..					
Balance, Net revenue ..					
Grand Total ..					
RS.					
3,909					
25,744					
6,075					
45					
Total, Direct ..					
Total, Direct and Indirect ..					
36,070					

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

PENNAR RIVER CANALS SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	1,19,57,786	Net revenue realized to end of 1939-1940 ..	2,26,41,192
Total interest charges for the year 1940-1941 ..	2,70,775	Net revenue realized during 1940-1941 ..	5,51,434
Balance, net revenue ..	1,09,64,065		
Total ..	2,31,92,626	Total ..	2,31,92,626

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	8,56,767
Leave and pension allowances ..	..	1,57,657
Audit and accounts ..	143	2,350
Total ..	143	10,16,774
REVENUE—		
Capitalization of abatement of land revenue ..	..	33,353
Leave and pension allowances ..	..	2,36,951
Audit and accounts ..	559	20,421
Total ..	559	2,90,725
Grand Total ..	702	13,07,499

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

PENNAR RIVER CANALS SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total Charges to date against old and current sanctions.		
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.			
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Direct Charges.									
Works ..	37,49,097	9,77,374	47,26,471	1,28,947	1,67,800	38,853	48,55,418		
Establishment ..	8,05,532	1,88,981	9,94,513	39,836	45,753	5,917	10,34,349		
Tools and plant ..	1,42,971	1,782	1,44,753	298	3,356	3,058	1,45,051		
Suspense account ..	..	..	..	..	..	..	..		
Total ..	46,97,600	11,68,137	58,65,737	1,69,081	2,16,909	47,828	60,34,818		
Less—Receipts on Capital Account.	55	2,803	2,858	..	..	..	2,858		
Net Total ..	46,97,545	11,65,334	58,62,879	1,69,081	2,16,909	47,828	60,31,960		
Indirect Charges.									
Capitalized abatement of land revenue ..	7,99,748	57,019	8,56,767	..	1,007	1,007	8,56,767		
Leave and pension allowances ..	1,35,090	22,567	1,57,657	..	1,678	389	1,57,657		
Audit and accounts ..	..	1,061	1,061	1,289	2,685	1,396	2,350		
Total ..	9,34,838	80,647	10,15,485	1,289	2,685	1,396	10,16,774		
Grand Total ..	56,32,383	12,45,981	68,78,364	1,70,370	2,19,594	49,224	70,48,794		

The construction estimate of the project was closed on 31st March 1894 and the completion report approved in G.O. Nos. 763 I., dated 3rd October 1891 and 559 I., dated 22nd July 1898.

ARKENKOTA CHANNEL—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 67 of the Administrative Accounts
for 1934-1935.]

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

ARZENKOTA CHANNEL—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—					
5 Plantations	185	4,285	I. EXTENSIONS AND IMPROVEMENTS—		
6 Receipts from other canal produce ..	63	847	(1) Head works	388	1,130
10 Fines	..	1	(2) Main canals and branches	..	45,478
11 Miscellaneous	..	5,743	(3) Distributaries	..	882
Total, Revenue realized in Public Works Department	248	10,876	(4) Drainage and protective works	..	..
Irrigation Revenue realized in Civil Department	14,934	9,94,179	(5) Special tools and plant	..	11,475
Total, Direct Receipts	15,182	9,75,055	Add—Unclassifiable outlay	..	..
			Total	388	58,963
II. MAINTENANCE AND REPAIRS—					
Total, Revenue realized in Public Works Department	248	10,876	(1) Head works	6,394	4,836
Irrigation Revenue realized in Civil Department	14,934	9,94,179	(2) Main canals and branches	..	2,01,081
Total, Direct Receipts	15,182	9,75,055	(3) Distributaries	..	2,514
			(4) Drainage and protective works	..	..
			(5) Special tools and plant	..	1,73,223
			Add—Unclassifiable outlay	..	..
			Total	6,394	3,81,654
Total, Extensions and Improvements and Maintenance and Repairs ..					
			IV. ESTABLISHMENT	6,782	4,40,617
			V. TOOLS AND PLANT	2,293	1,11,137
			VI. REFUNDS OF REVENUE	28	1,764
			Deduct—RECOVERIES ON REVENUE ACCOUNT	..	43
			Total, Direct Charges	9,103	5,53,556

No. 3.--Revenue Account for and to end of 1940-1941--cont.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
I. INDIRECT REVENUES—	RS.	RS.		RS.	RS.
Share of Land Revenue collected in the Civil Department	428	27,805	Share of collection charges in the Civil Department	768	49,599
			Indirect Charges	68	12,284
Total, Public Works and Civil Departments, Revenue	15,610	10,02,860	Total, Direct and Indirect Charges	9,989	6,15,439
			<i>Deduct—</i> Old maintenance charge saved to Government *	1,162	33,921
			Balance, net revenue	8,777	5,81,518
Total, Receipts ..	15,610	10,02,860		6,833	4,21,342
			Grand total ..	15,610	10,02,860
				RS.	
* Direct—					
Extensions and improvements ..					793
Maintenance and repairs ..					100
Establishment ..					256
Tools and plant ..					4
			Total, Direct ..		1,153
Indirect					9
			Total, Direct and Indirect ..		1,162

MADRAS PRESIDENCY.

ARKENKOTA CHANNEL—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941].

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	3,21,295	Net revenue realized to end of 1939-1940	4,14,509
Total interest charges for the year 1940-1941 ..	6,335	Net revenue realized during 1940-1941	6,833
Balance, net revenue ..	93,712		
Total ..	4,21,342	Total ..	4,21,342

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Leave and pension allowances	..	3,676
Total ..	..	3,676
REVENUE—		
Leave and pension allowances	..	10,825
Audit and accounts	68	1,459
Total ..	68	12,284
Grand Total ..	68	15,960

ARUNKOTA CHANNEL—Canal Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works ..	81,578	32,927	1,14,505	..	..	..	1,14,505
Establishment ..	18,760	7,504	26,264	..	..	..	26,264
Tools and plant ..	..	..	..	..	..	..	..
Suspense account ..	..	..	..	..	..	..	..
Total ..	1,00,338	40,431	1,40,769	..	..	..	1,40,769
<i>Less—Receipts on capital account ..</i>	..	..	..	..	..	..	..
Net Total ..	1,00,338	40,431	1,40,769	..	..	..	1,40,769
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	2,626	1,050	3,676	..	..	..	3,676
Leave and pension allowances ..	2,626	1,050	3,676	..	..	..	3,676
Total ..	5,252	2,100	7,352	..	..	..	7,352
Grand Total ..	1,02,964	41,481	1,44,445	..	..	..	1,44,445

The construction estimate of the project was closed on 31st March 1894.

TIRUKKOYILUR ANICUT SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 72 of the Administrative Accounts for 1934-1935.]

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PUBLIC WORKS DEPARTMENT.

TRUKKOVILUR ANICUT SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS—				
3 Sales of water		756		13,594
5 Receipts from plantations	510	43,511	..	66,071
6 Receipts from other canal produce.	82	7,617	..	64,436
8 Navigation	..	2	3,900	20,015
9 Rents of buildings	30	1,003	..	..
Fines	..	2	..	..
11 Miscellaneous	1	958	..	1,64,116
Recoveries of expenditure	..	121	3,900	..
Deduct—Refunds	..	686	..	..
Total, Revenue realized in Public Works Department	623	53,284	3,826	1,67,791
II. INDIRECT RECEIPTS—				
Share of Land Revenue collected in the Civil Department	52,702	29,88,125	8,434	3,67,449
Total, Public Works and Civil Departments, Revenue	53,325	30,41,409	10,542	3,01,957
Total, Direct Receipts	53,325	30,41,409	..	8,680
Total, Indirect Receipts	3,369	2,25,329	..	1,95,063
Total, Revenue realized in Public Works Department	56,694	32,66,738	22,802	10,40,940
Total, Public Works and Civil Departments, Revenue	56,694	32,66,738	26,702	12,05,056
Total, Revenue realized in Public Works Department	56,694	32,66,738	11,160	3,98,125
Total, Revenue realized in Civil Department	56,694	32,66,738	37	3,384
Total, Revenue realized in Public Works Department	56,694	32,66,738	..	303
Total, Revenue realized in Civil Department	56,694	32,66,738	..	194
Total, Revenue realized in Public Works Department	56,694	32,66,738	37,899	16,07,674

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ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

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Share of collection charges in the Civil Department	2,804	1,60,673
Indirect Charges	267	37,535
Total, Direct and Indirect Charges	40,970	18,05,882
Deduct—Old maintenance charges saved to Government *	6,665	1,94,860
Balances, net revenue	34,305	16,11,022
Net Total	22,389	16,55,716
Total, Receipts	56,694	32,66,738
Total, Receipts	56,694	32,66,738
* Direct—		
Extensions and improvements	..	1,972
Maintenance and repairs	..	2,960
Establishment	..	1,677
Tools and plant	..	7
Indirect	..	6,616
Total, Direct	..	49
Total, Direct and Indirect	..	6,665

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

TIRUKKOYLUR ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	7,84,783	Net revenue realized to end of 1939-1940 ..	16,33,327
Total interest charges for the year 1940-1941 ..	17,514	Net revenue realized during 1940-1941 ..	22,389
Balance, net revenue ..	8,53,419		
Total ..	16,55,716	Total ..	16,55,716

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	105
Leave and pension allowances ..	..	9,731
Audit and accounts ..	..	165
Total ..	..	10,001
REVENUE—		
Capitalization of abatement of land revenue ..	..	490
Leave and pension allowances ..	..	32,094
Audit and accounts ..	267	4,951
Total ..	267	37,535
Grand Total ..	267	47,536

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

TIRUKKOYLUR ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	
	RS.	RS.			RS.
Direct Charges.					
Works ..	..	..	..	..	3,18,375
Establishment ..	2,01,591	1,16,784	..	..	70,709
Tools and plant ..	46,361	24,348	..	..	105
Suspense account ..	..	..	..	..	..
Total ..	2,47,952	1,41,237	..	..	3,89,189
Less—Receipts on Capital Account ..	..	..	..	..	..
Net Total ..	2,47,952	1,41,237	..	..	3,89,189
Indirect Charges.					
Capitalized abatement of land revenue ..	28	77	..	..	105
Leave and pension allowances ..	6,490	3,241	..	..	9,731
Audit and accounts ..	..	165	..	..	165
Total ..	6,518	3,483	..	..	10,001
Grand Total ..	2,54,470	1,44,720	..	..	3,99,190

The construction estimate of the project was closed on 31st March 1935.

SHATIATOPE ANICUT SYSTEM—*Canal Project.*

No. 2.—Capital Account for and to end of 1940-1941.
[Vide details on page 74 of the Administrative Accounts
for 1938-1939.]

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

SHATIATOPE ANICUT SYSTEM—*Canal Project*—cont.

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.			RS.	RS.
DIRECT RECEIPTS—						
5 Receipts from Plantations ..	204	21,278	I. EXTENSIONS AND IMPROVEMENTS—			
6 Receipts from other canal produce ..	82	7,235	(1) Head works ..	347	10,259	
8 Navigation receipts ..	..	4	(2) Main canals and branches ..	1,775	55,984	
9 Rents of buildings ..	101	3,605	(3) Distributaries ..	44	30,447	
10 Fines ..	..	4	(4) Drainage and protective works ..	..	849	
11 Miscellaneous ..	46	2,216	(5) Special tools and plant ..	..	21,316	
Recoveries of expenditure ..	19	336	Add—Unclassifiable outlay ..	..	1,18,805	
Deduct—Refunds ..	14	463	Total ..	1,472	..	..
			II. MAINTENANCE AND REPAIRS—			
			(1) Head works ..	8,089	2,01,717	
			(2) Main canals and branches ..	11,699	4,48,649	
			(3) Distributaries ..	6,353	2,23,257	
			(4) Drainage and protective works ..	178	3,683	
			(5) Special tools and plant ..	..	2,87,678	
			Add—Unclassifiable ..	..	11,64,984	
			Total ..	26,319	..	..
Total, Revenue realized in Public Works Department ..	438	34,215	Total Extensions and Improvements and Maintenance and repairs ..	27,791	12,83,789	
Irrigation revenue realized in Civil Department ..	1,17,852	67,14,025	IV. ESTABLISHMENT ..	14,218	4,73,159	
			V. TOOLS AND PLANT ..	38	3,876	
			VI. REFUNDS OF REVENUE ..	..	249	
			Deduct—Recoveries on Revenue account ..	..	359	
Total, Direct Receipts ..	1,18,290	67,48,240	Total, Direct Charges ..	42,047	17,60,714	

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PUBLIC WORKS DEPARTMENT.

SHATIATOPE ANICUT SYSTEM—Canal Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
II. INDIRECT RECEIPTS—					
Share of land revenue collected in the Civil Department	17,031	14,17,718	Share of collection charges in the Civil Department	6,744	4,06,585
Total, Public Works and Civil Departments, Revenue	1,35,321	81,65,958	Indirect charges	278	46,067
			Total, Direct and Indirect Charges ..	49,069	22,13,366
			Deduct—Old maintenance charges saved to Government *	2,221	64,946
			Balance, net revenue	46,848	21,48,420
			Net Total	88,473	60,17,538
Total, Receipts	1,35,321	81,65,958	Grand Total	1,35,321	81,65,958

* Direct—

	RS.
Extensions and improvements ..	64
Maintenance and repairs	1,580
Establishment	559
Tools and plant	2
Total, Direct	2,205
Indirect	16
Total, Direct and Indirect ..	2,231

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SHATIATOPE ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940	12,36,628	Net revenue realized to end of 1939-1940	59,29,065
Total interest charges for the year 1940-1941	46,345	Net revenue realized during 1940-1941	88,473
Balance, net revenue	47,34,565		
Total	60,17,538	Total	60,17,538

No. 5.—Account of indirect charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalized abatement of land revenue	..	44,016
Leave and pension allowances	..	14,732
Audit and accounts	..	927
Total	..	59,675
REVENUE—		
Capitalized abatement of land revenue	..	685
Leave and pension allowances	..	40,369
Audit and accounts	278	5,013
Total	278	46,067
Grand Total	278	1,05,742

SHATIA TOPE ANICUT SYSTEM—Canal Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works ..	1,09,182	7,93,931	9,03,113	..	..	..	9,03,113
Establishment ..	24,702	1,01,411	1,26,113	..	..	..	1,26,113
Tools and plant ..	..	660	660	..	..	..	660
Suspense account ..	..	..	..	..	..	..	..
Total ..	1,33,884	8,96,002	10,29,886	..	..	..	10,29,886
<i>Less—Receipts on Capital Account.</i>	..	..	..	..	..	..	..
Net Total ..	1,33,884	8,96,002	10,29,886	..	..	..	10,29,886
<i>Indirect Charges.</i>							
Capitalized statement of land revenue ..	..	44,016	44,016	..	..	..	44,016
Leave and pension allowances ..	3,457	11,275	14,732	..	..	..	14,732
Audit and accounts ..	..	927	927	..	..	..	927
Total ..	3,457	56,218	59,675	..	..	..	59,675
Grand Total ..	1,37,341	9,52,220	10,89,561	..	..	..	10,89,561

The construction estimate of the project was closed on 31st March 1895.

CHEYYAR ANICUT SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 79 of the Administrative Accounts
for 1937-1938.]

CHEYYAR ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-40.	10,39,486	Net revenue realized to end of 1939-40.	10,78,589
Total interest charges for the year 1940-41.	23,616	Net revenue realized during 1940-41.	14,308
Balance, net revenue ..	29,795		
Total ...	10,92,897	Total ..	10,92,897

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	744
Leave and pension allowances	..	13,948
Audit and accounts	..	509
Total ..	..	15,201
REVENUE—		
Leave and pension allowances	..	45,944
Audit and accounts	288	8,308
Total ..	288	54,252
Grand Total ..	288	69,453

CHEYYAR ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works ..	..	..	..	..	..	..	4,20,163
Establishment ..	..	..	..	..	..	..	1,03,941
Tools and plant ..	..	..	..	..	..	..	744
Suspense account ..	..	..	..	..	..	..	..
Total ..	3,20,865	99,298	4,20,163	..	..	..	5,24,848
Less—Receipts on capital account ..	73,542	30,399	1,03,941	..	..	..	50
Net Total ..	3,94,407	1,30,441	5,24,848	..	..	..	5,24,798
Indirect Charges.							
Capitalized abatement of land revenue.	744	..	744	..	..	..	744
Leave and pension allowances ..	10,296	3,652	13,948	..	..	..	13,948
Audit and accounts ..	..	509	509	..	..	..	509
Total ..	11,040	4,161	15,201	..	..	..	15,201
Grand Total ..	4,05,447	1,34,552	5,39,999	..	..	..	5,39,999

The construction estimate of the project was closed on 31st March 1896.

CUMBUM TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940–1941.

[Vide details on page 87 of the Administrative Accounts
for 1934–1935.]ADMINISTRATIVE ACCOUNTS
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CUMBUM TANK—*Tank Project*—cont.
No. 3.—Revenue Account for and to end of 1940–1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
6 Other canal produce	..	111	(1) Head works	..	418
11 Miscellaneous	..	11	(2) Main canals and branches	..	3,621
			(3) Distributaries	270	9,919
Total, Revenue realized in Public Works Department	..	122	(4) Drainage and protective works	..	..
Irrigation Revenue realized in Civil Department	7,637	3,07,274	(5) Special tools and plant	..	..
			Add—Unclassifiable outlay	..	7,186
			Total	270	21,144
			II. MAINTENANCE AND REPAIRS—		
			(1) Head works	375	8,949
			(2) Main canals and branches	2,125	37,475
			(3) Distributaries	..	33,031
			(4) Drainage and protective works	..	1,047
			(5) Special tools and plant	..	..
			Add—Unclassifiable outlay	..	24,128
			Total	2,500	1,04,830
Total, Direct Receipts	7,637	3,07,396	Total, Extensions and Improvements and Maintenance and Repairs	2,770	1,25,774

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PUBLIC WORKS DEPARTMENT.

CUMBUM TANK—Tank Project—cont.
No. 3.—Revenue Accounts for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
II. INDIRECT RECEIPTS—					
Share of land revenue collected in the Civil Department	461	30,160	IV. ESTABLISHMENT	1,202	39,294
.. ..			V. TOOLS AND PLANT	5	903
.. ..			VI. REFUNDS OF REVENUE		
Total, Public Works and Civil Departments—Revenue	8,098	3,37,556	Total, Direct charges	3,977	1,65,971
			Share of collection charges in the Civil Department	405	16,871
			Indirect charges	28	7,096
			Total, Direct and Indirect charges	4,410	1,89,938
			Deduct—Old maintenance charges saved to Government*	1,078	44,628
			Net Total	3,332	1,45,310
			Balance, net revenue	4,766	1,92,246
Total, Receipts	8,098	3,37,556	Grand Total	8,098	3,37,556
* Direct—					
Extensions and improvements .. ..			.. ..		
Maintenance and repairs .. ..			.. ..		
Establishment .. ..			.. ..		
Tools and plant .. ..			.. ..		
Indirect			Total, Direct	1,070	8
			Total, Direct and Indirect		1,078

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

CUMBUM TANK—Tank Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940	1,55,151	Net revenue realized to end of 1939-1940	1,87,480
Total interest charges for the year 1940-1941	3,779	Net revenue realized during 1940-1941	4,766
Balance, net revenue	33,316		
Total	1,92,246	Total	1,92,246

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	206
Leave and pension allowances	..	2,182
Total	..	2,388
REVENUE—		
Capitalization of abatement of land revenue	..	2,801
Leave and pension allowances	..	3,909
Audit and account	28	386
Total	28	7,096
Grand Total	28	9,484

CUMBUM TANK—*Tank Project*—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works ..	37,314	31,387	68,701	..	..	..	68,701
Establishment ..	8,495	6,789	15,284	..	..	..	15,284
Tools and plant ..	..	..	..	..	..	..	..
Suspense account ..	..	..	..	..	..	..	..
Total ..	45,809	38,176	83,985	..	..	..	83,985
Less—Receipts on Capital Account.	..	..	..	..	..	..	..
Net Total ..	45,809	38,176	83,985	..	..	..	83,985
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	1,232	206	206	..	..	..	206
Leave and pension allowances ..	..	950	2,182	..	..	..	2,182
Total ..	1,232	1,156	2,388	..	..	..	2,388
Grand Total ..	47,041	39,332	86,373	..	..	..	86,373

The construction estimate of the project was closed on 31st March 1896.

POINNEY ANICUT SYSTEM—*Canal Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 92 of the Administrative Accounts for 1934-1935.]

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PUBLIC WORKS DEPARTMENT.

POINEY ANICUT SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
I. DIRECT RECEIPTS—	RS.	RS.		RS.
5 Receipts from plantations ..	112	5,519	I. EXTENSIONS AND IMPROVEMENTS—	
6 Receipts from other canal produce. ..	142	9,781	(1) Head works ..	33
9 Rents of buildings ..	28	1,978	(2) Main canals and branches ..	1
11 Miscellaneous ..	..	4,600	(3) Distributaries ..	..
Recoveries of expenditure ..	..	874	(4) Drainage and protective works ..	..
Deduct—Refunds ..	— 1	7	(5) Special tools and plant ..	..
Total, Revenue realized in Public Works Department ..	283	22,745	Total ..	34
Irrigation Revenue realized in Civil Department ..	57,068	33,07,020	II. MAINTENANCE AND REPAIRS—	
Total, Direct Receipts ..	57,351	33,29,765	(1) Head works ..	409
II. INDIRECT RECEIPTS—			(2) Main canals and branches ..	863
Share of Land Revenue collected in the Civil Department ..	5,488	3,84,092	(3) Distributaries ..	18,728
			(4) Drainage and protective works ..	..
			(5) Special tools and plant ..	..
			Add—Unclassifiable outlay ..	..
			Total ..	20,000
			Total, Extensions and Improvements and Maintenance and Repairs ..	20,034
			IV. ESTABLISHMENT ..	7,002
			V. TOOLS AND PLANT ..	81
			VI. REFUNDS OF REVENUE ..	..
			Deduct—Recoveries on Revenue account.	..
			Total, Direct charges ..	27,117
			Share of collection charges in the Civil Department ..	3,125
			Indirect charges ..	200

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Total, Public Works and Civil Departments, Revenue ..	62,839	37,13,857	Total, Direct and Indirect charges. Deduct—Old maintenance charges saved to Government * ..	30,442	17,51,664
			Net Total ..	4,065	1,19,432
			Balance, net revenue ..	26,377	16,32,232
			Grand Total ..	36,462	20,81,625
Total, Receipts ..	62,839	37,13,857		62,839	37,13,857
* Direct—			RS.		
Extensions and improvements ..	..	..	..	..	3,057
Maintenance and repairs ..	..	..	..	..	66
Establishment ..	..	..	..	..	898
Tools and plant ..	..	..	..	..	13
Indirect ..	..	..	Total, Direct ..	..	4,034
			..	..	31
			Total, Direct and Indirect ..	..	4,065

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

POINEY ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-40 ..	6,69,351	Net revenue realized to end of 1939-40 ..	20,45,163
Total interest charges for the year 1940-41 ..	13,280	Net revenue during 1940-41 ..	36,462
Balance, net revenue ..	13,98,994		
Total ..	20,81,625	Total ..	20,81,625

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	165
Leave and pension allowances ..	..	8,480
Audit and accounts ..	..	167
Total ..	..	8,812
REVENUE—		
Capitalization of abatement of land revenue ..	..	403
Leave and pension allowances ..	..	33,141
Audit and accounts ..	200	4,675
Total ..	200	38,219
Grand Total ..	200	47,031

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

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POINEY ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Total. RS.	Charges to date. RS.	Amount of sanctioned estimate. RS.	Unspent balance of estimate. RS.	
Direct Charges.							
Works ..	1,83,435	50,828	2,34,263	..	..	..	2,34,263
Establishment ..	42,189	18,387	60,576	..	..	..	60,576
Tools and plant ..	..	267	267	..	..	..	267
Suspense account ..	..	..	..	..	..	..	..
Total ..	2,25,624	69,482	2,95,106	..	..	..	2,95,106
Less—Receipts on Capital account.							
Net Total ..	..	69,482	69,482	..	..	..	69,482
Indirect Charges.							
Capitalized abatement of land revenue ..	165	..	165	..	..	..	165
Leave and pension allowances ..	5,907	2,573	8,480	..	..	..	8,480
Audit and accounts ..	..	167	167	..	..	..	167
Total ..	6,072	2,740	8,812	..	..	..	8,812
Grand Total ..	2,31,696	72,222	3,03,918	..	..	..	3,03,918

The construction estimate of the project was closed in 1897.

PERIYAR SYSTEM—*Tank Project.*

No. 2.—Capital Account for and to end of 1940–1941.

[Vide details on pages 97 and 98 of the Administrative Accounts
for 1934–1935.]PERIYAR SYSTEM—*Tank Project*—cont.
No. 3.—Revenue Account for and to end of 1940–1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
3 Sales of water	..	59	(1) Headworks	58	6,99,520
4 Water-supply of towns ..	..	173	(2) Main canals and branches ..	504	1,39,684
5 Receipts from plantations ..	..	4,891	(3) Distributaries	4,058	3,32,432
			(4) Drainage and protective works.	..	16,984
			(5) Special tools and plant ..	..	83
			Total ..	4,620	11,88,703
6 Receipts from other canal produce	..	1,403	II. MAINTENANCE AND REPAIRS—		
8 Receipts from navigation ..	..	516	(1) Head works	7,969	5,57,406
9 Rents of buildings	..	1,536	(2) Main canals and branches ..	33,224	12,07,338
10 Fines	..	..	(3) Distributaries	16,937	11,50,201
11 Miscellaneous	..	385	(4) Drainage and protective works.	..	85,383
Receipts of expenditure ..	..	5,522	(5) Special tools and plant ..	..	15,102
<i>Deduct—Refunds</i>	..	137	Total ..	58,130	30,15,430
Total, Revenue realized in the Public Works Department	14,348	4,40,276	III. COMPENSATION	42,965	19,06,453
Irrigation revenue realized in Civil Department	5,68,221	2,65,35,297	Total, Extensions and Improvements and Maintenance and Repairs ..	1,05,715	61,10,586
Total, Direct Receipts ..	5,82,569	2,69,75,573	IV. ESTABLISHMENT	66,820	23,75,958
			V. TOOLS AND PLANT	— 433	85,961
			VI. REFUNDS OF REVENUE	..	2,619
			<i>Deduct—Recoveries of Revenue account.</i>	..	— 94
			Total, Direct Charges ..	1,71,102	85,75,030

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PUBLIC WORKS DEPARTMENT.

PERIYAR SYSTEM—Tank Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
RS.	RS.	RS.		RS.	RS.
II. INDIRECT RECEIPTS—					
Share of Land Revenue collected in the Civil Department	94,863	25,86,908	Share of collection charges in the Civil Department	29,428	13,56,637
Total, Public Works and Civil Departments, Revenue	6,77,432	2,95,62,481	Indirect Charges	1,236	2,44,272
			Total, Direct and Indirect Charges ..	2,01,766	1,01,75,939
			Deduct—Old maintenance charges saved to Government *	38,926	14,36,634
			Net Total	1,62,840	87,39,305
			Balance, net revenue	5,14,592	2,08,23,176
Total, Receipts	6,77,432	2,95,62,481	Grand Total	6,77,432	2,95,62,481
* Direct—					
Extensions and improvements			RS.		
Maintenance and repairs			4,474		
Establishment			21,422		
Tools and plant			12,878		
			— 107		
Indirect			Total, Direct	38,667	
			259		
			Total, Direct and Indirect ..	38,926	

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ADMINISTRATIVE ACCOUNTS
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MADRAS PRESIDENCY.

PERIYAR SYSTEM—Tank Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	1,68,51,433	Net revenue realized to end of 1939-1940	2,03,08,584
Total interest charges for the year 1940-1941 ..	4,70,908	Net revenue realized during 1940-1941	5,14,592
Balance, net revenue ..	35,00,835		
Total ..	2,08,23,176	Total ..	2,08,23,176

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.		To end of the year.	
	RS.	RS.	RS.	RS.
CAPITAL—				
Capitalization of abatement of land revenue				1,36,468
Leave and pension allowances				2,33,396
Audit and accounts				1,163
Total ..				3,71,027
REVENUE—				
Capitalization of abatement of land revenue		179		28,398
Leave and pension allowances				1,79,762
Audit and accounts		1,057		36,112
Total ..		1,236		2,44,272
Grand Total ..		1,236		6,15,299

PERIYAR SYSTEM—Tank Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars:	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works ..	60,69,752	19,58,551	80,28,303	..	..	..	80,28,303
Establishment ..	13,46,177	3,44,561	16,90,738	..	..	..	16,90,738
Tools and plant ..	7,28,291	38,606	7,66,897	..	..	..	7,66,897
Suspense account ..	..	..	..	..	..	..	..
Total ..	81,44,220	23,41,718	1,04,85,938	..	..	..	1,04,85,938
Less—Receipts on Capital Account.	14,203	7,108	21,311	..	..	..	21,311
Net Total ..	81,30,017	23,34,610	1,04,64,627	..	..	..	1,04,64,627
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	34,661	1,01,807	1,36,468	..	..	..	1,36,468
Leave and pension allowances ..	1,88,466	44,930	2,33,396	..	..	..	2,33,396
Audit and accounts ..	..	1,163	1,163	..	..	..	1,163
Total ..	2,23,127	1,47,900	3,71,027	..	..	..	3,71,027
Grand Total ..	83,53,144	24,82,510	1,08,35,654	..	..	..	1,08,35,654

The construction estimate of the project was closed on 31st March 1897 and the completion report approved in G.O. No. 863 I., dated 8th September 1903.

KISTNA DELTA SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. WORKS—			
(1) Head works ..	..	11,96,507	11,96,507
(2) Main canals and branches ..	10,476	49,46,648	50,21,805
(3) Distributaries ..	1,41,334	35,31,470	37,58,742
(4) Drainage and protective works ..	40,412	33,43,848	33,94,189
(5) Water courses ..	13,570	1,29,299	1,68,780
(6) Special tools and plant. Old outlay ..	..	30,81,755	30,81,755
Total, Works.	2,05,792	1,62,29,527	1,66,21,778
II. ESTABLISHMENT ..	71,857	40,27,433	40,47,976
III. TOOLS AND PLANT ..	398	7,23,724	7,62,978
IV. SUSPENSE ..	..	..	..
V. Less—RECEIPTS ON CAPITAL ACCOUNT ..	47	43,522	43,522
Net outlay in India and England ..	2,78,000	2,09,37,162	2,13,89,210

PUBLIC WORKS DEPARTMENT.

KISTNA DELTA SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. rs.	To end of the year. rs.		During the year. rs.	To end of the year. rs.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
3 Sales of water ..	4,765	72,020	(1) Head works ..	30	1,84,568
4 Water-supply of towns ..	3,118	1,03,962	(2) Main canals and branches.	5,005	8,69,725
5 Receipts from plantations.	3,056	4,45,519	(3) Distributaries ..	14,488	8,30,466
6 Receipts from other canal produce ..	35,834	15,51,389	(4) Drainage and protective works ..	5,323	3,99,184
7 Water power ..	..	1,281	(5) Water courses ..	82	151
			(6) Special tools and plant.	..	19,664
			Total ..	24,928	23,03,758
8 Navigation receipts ..	1,30,155	40,26,422	II. MAINTENANCE AND REPAIRS—		
9 Rents of buildings ..	1,801	1,23,943	(1) Head works ..	28,991	18,90,849
10 Fines ..	..	943	(2) Main canals and branches.	2,33,011	1,18,17,169
11 Miscellaneous ..	1,008	1,57,786	(3) Distributaries ..	1,29,503	57,65,431
Recoveries of expenditure.	30,051	47,697	(4) Drainage and protective works ..	85,477	21,73,162
Deduct—Refunds ..	1,347	18,281	(5) Special tools and plant.	..	2,30,755
			Add—Unclassifiable outlay.	..	9,10,934
Total Revenue realized in the Public Works Department.	2,08,441	65,12,581	Total ..	4,76,982	2,27,88,300
Irrigation Revenue realized in the Civil Department ..	40,06,830	18,48,54,026	Total, Extensions and Improvements and Maintenance ..	5,01,910	2,50,92,058
Total, Direct Receipts ..	42,15,271	19,13,66,607	IV. ESTABLISHMENT ..	2,80,942	1,46,41,984
			V. TOOLS AND PLANT ..	971	19,49,104
			VI. REFUNDS OF REVENUE ..	..	25,907
			Deduct—Recoveries on Revenue Account ..	..	4,984

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II. INDIRECT RECEIPTS—			Total, Direct Charges.	7,83,423	4,17,04,069
Share of land revenue collected in the Civil Department.	1,91,123	1,12,83,781	Share of collection charges in the Civil Department ..	2,06,234	1,01,04,630
Total, Public Works and Civil Departments—Revenue ..	44,06,394	20,26,50,388	Indirect charges ..	5,019	16,59,274
			Total, Direct and Indirect Charges ..	9,95,076	5,34,67,973
			Balance, net revenue ..	34,11,318	14,91,82,415
Total, Receipts ..	44,06,394	20,26,50,388	Grand Total ..	44,06,394	20,26,50,388

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PUBLIC WORKS DEPARTMENT.

KISTNA DELTA SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	3,42,17,168	Net revenue realized to end of 1939-1940 ..	14,57,71,097
Total interest charges for the year 1940-1941 ..	9,33,577	Net revenue realized during 1940-1941 ..	34,11,318
Balance net revenue ..	11,40,31,670		
Total ..	14,91,82,415	Total ..	14,91,82,415

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	4,315	6,85,443
Leave and pension allowances ..	..	5,03,855
Audit and Accounts ..	2,058	40,639
Total ..	6,373	12,29,937
REVENUE—		
Capitalization of abatement of land revenue ..	..	28,543
Leave and pension allowances ..	..	15,11,522
Audit and Accounts ..	5,019	1,19,209
Total ..	5,019	16,59,274
Grand Total ..	11,392	28,89,211

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

KISTNA DELTA SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimate.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Direct Charges.</i>							
Works Establishment ..	94,90,888	49,12,153	1,44,03,041	18,26,486	22,18,737	3,92,251	1,62,29,527
Tools and plant ..	22,14,258	12,55,096	34,69,354	5,58,079	5,78,622	20,543	40,27,438
Suspense account ..	6,60,944	57,658	7,18,602	5,122	44,376	39,254	7,23,724
Total ..	1,23,66,090	62,24,907	1,85,90,997	23,89,687	28,41,735	4,52,048	2,09,80,684
Less—Receipts on Capital Account.	15,400	28,122	43,522	..	..	..	43,522
Net Total ..	1,23,50,690	61,96,785	1,85,47,475	23,89,687	28,41,735	4,52,048	2,09,37,162
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	4,53,037	2,32,406	6,85,443	..	42,010	42,010	6,85,443
Leave and pension allowances ..	3,87,938	1,15,917	5,03,855	18,266	22,187	3,921	5,03,855
Audit and Accounts ..	..	22,373	22,373	18,266	64,167	45,931	40,639
Total ..	8,40,975	3,70,696	12,11,671	18,266	29,05,932	4,97,979	12,29,937
Grand Total ..	1,31,91,665	65,67,481	1,97,59,146	24,07,953	29,05,932	4,97,979	2,21,67,099

The construction estimate of the project was closed on 31st March 1898 and the completion report approved in G.O. No. 60 I., dated 25th January 1905.

NANDIYAR CHANNEL SYSTEM—*Canal Project.*

No. 2.—Capital Account for and to end of 1940–1941.

[Vide details on page 108 of the Administrative Accounts
for 1934–1935.]ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940–41.NANDIYAR CHANNEL SYSTEM—*Canal Project*—cont.
No. 3.—Revenue Accounts for and to end of 1940–1941.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.			RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—			
5 Receipts from plantation ..	203	7,660	(1) Head works ..	..	..	7,486
6 Receipts from other canal produce.	57	2,842	(2) Main canals and branches ..	..	201	12,554
8 Navigation receipts ..	..	3	(3) Distributaries ..	..	..	1,115
9 Rent of buildings ..	8	88	(4) Drainage and protective works.	..	..	..
10 Fines ..	..	3	(5) Special tools and plant ..	..	..	..
11 Miscellaneous ..	..	2,899	Total ..	..	201	21,155
Recoveries of expenditure ..	..	50				
Deduct—Refunds ..	..	200	II. MAINTENANCE AND REPAIRS—			
Total Revenue realized in the Public Works Department ..	268	13,345	(1) Head works ..	..	..	16,862
Irrigation Revenue realized in the Civil Department ..	12,847	2,92,589	(2) Main canals and branches ..	..	4,301	1,87,725
Total, Direct Receipts ..	13,115	3,05,934	(3) Distributaries ..	..	..	7,524
II. INDIRECT RECEIPTS—			(4) Drainage and protective works.	..	..	4,497
Share of land revenues collected in the Civil Department ..	250	3,967	(5) Special tools and plant ..	..	..	..
			Add—Unclassifiable outlay ..	..	..	..
			Total ..	..	4,301	1,96,608
			Total, Extensions and Improvements and Maintenance and Repairs ..	..	4,502	2,17,763
			IV. ESTABLISHMENT ..	..	2,031	72,440
			V. TOOLS AND PLANT ..	..	6	844
			Deduct—RECOVERIES ON REVENUE ACCOUNT ..	..	..	8
			Total, Direct Charges ..	..	6,539	2,91,039

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NANDIYAR CHANNEL SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.
	During the year.	To end of the year.	
	RS.	RS.	
Total, Public Works and Civil Departments, Revenue	13,365	3,09,901	Share of collection charges in the Civil Department
			Indirect charges
			Total, Direct and Indirect charges. Deduct—Old maintenance charges saved to Government *
			Net Total
			Balance, net revenue
Total, Receipts	13,365	3,09,901	Grand Total
			RS.
* Direct—			
Extensions and Improvements			2,836
Maintenance and Repairs			371
Establishment			1,090
Tools and plant			4
Indirect			Total, Direct
			4,301
			32
			Total, Direct and Indirect
			4,333

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ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

NANDIYAR CHANNEL SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940	96,009	Net revenue realized to end of 1939-1940	1,00,207
Total interest charges for the year 1940-1941	2,845	Net revenue realized during 1940-1941	10,468
Balance, net in revenue	11,821		
Total	1,10,675	Total	1,10,675

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	838
Leave and pension allowances	..	1,646
Audit and accounts	..	..
Total	..	2,484
REVENUE—		
Capitalization of abatement of land revenue	..	142
Leave and pension allowances	..	3,683
Audit and accounts	45	1,557
Total	45	5,382
Grand Total	45	7,866

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works	43,488	7,988	51,476	..	..	..	51,476
Establishment	10,002	1,753	11,755	..	..	..	11,755
Tools and plant	..	..	..	..	..	..	..
Suspense account	..	..	..	..	..	..	..
Total ..	53,490	9,741	63,231	..	..	..	63,231
<i>Less—Receipts on Capital Account.</i>							
Net Total ..	53,490	9,741	63,231	..	..	..	63,231
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue	818	20	838	..	..	..	838
Leave and pension allowances	1,400	246	1,646	..	..	..	1,646
Total ..	2,218	266	2,484	..	..	..	2,484
Grand Total ..	55,708	10,007	65,715	..	..	..	65,715

The construction estimate of the project was closed in 1899 and the completion report approved in G.O. No. 149 I., dated 12th February 1897.

The construction estimate of the project was closed in 1899 and the completion report approved in G.O. No. 149 I., dated 12th February 1897.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 106 of the Administrative Accounts
for 1935-1936.]

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CHICACOLE MINOR RIVERS SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
1 Water-rates from irrigation	..	..	(1) Head works	2,719	5,993
2 Owner's rates	..	..	(2) Main canals and branches	..	51,344
3 Receipts from sale of water	..	..	(3) Distributaries	..	84,081
5 Receipts from plantations	..	..	(4) Drainage and protective works	..	..
6 Receipts from other canal produce	56	..	(5) Special tools and plant	..	5,713
11 Miscellaneous	..	..	Total	2,719	1,47,131
Total Revenue realized in Public Works Department	56	..	II. MAINTENANCE AND REPAIRS—		
Irrigation Revenue realized in Civil Department	30,101	27,48,755	(1) Head works	..	15,776
Total, Direct Receipts	30,157	27,59,751	(2) Main canals and branches	34,894	10,31,699
			(3) Distributaries	..	3,47,307
			(4) Drainage and protective works	..	4,817
			(5) Special tools and plant	..	..
			Add—Unclassifiable outlay	..	2,985
			Total	34,894	14,02,584
			Total, Extensions and Improvements and Maintenance and Repairs	37,613	15,49,715

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II. INDIRECT RECEIPTS—			IV. ESTABLISHMENT	16,106	5,34,861
Share of Land Revenue collected in the Civil Department	7,874	5,41,177	V. TOOLS AND PLANT	457	13,015
Total, Public Works and Civil Departments, Revenue	38,031	33,00,928	VI. REFUNDS OF REVENUE	..	275
			Deduct—Recoveries on Revenue account	..	..
			Total, Direct charges	54,176	20,97,321
			Share of collection charges in the Civil Department	1,895	1,64,456
			Indirect charges	376	55,112
			Total, Direct and Indirect Charges	56,447	23,16,889
Total, Receipts	38,031	33,00,928	Deduct—Old maintenance charges saved to Government. *	6,470	1,68,700
			Net Total	49,977	21,48,189
			Balance, Net revenue	—11,946	11,52,739
			Grand Total	38,031	33,00,928
			* Direct—		
			Extensions and improvements	1,529	
			Maintenance and repairs	3,126	
			Establishment	1,712	
			Tools and plant	57	
			Total, Direct	6,424	
			Indirect	46	
			Total, Direct and Indirect	6,470	

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT

CHICACOLE MINOR RIVERS SYSTEM—*Canal Project*—cont.

No. 4.—Interest Account for and to end of 1940–1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939–1940.	3,92,701	Net revenue realized to end of 1939–1940.	11,64,685
Total interest charges for the year 1940–1941.	12,519	Net revenue realized during 1940–1941.	— 11,946
Balance, net revenue ..	7,47,519		
Total ..	11,52,739	Total ..	11,52,739

No. 5.—Account of Indirect Charges for and to end of 1940–1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	4,084
Leave and pension allowances	..	6,830
Audit and accounts	..	116
Total ..	..	11,030
REVENUE—		
Capitalization of abatement of land revenue ..	..	9,367
Leave and pension allowances	..	37,017
Audit and accounts	376	8,728
Total ..	376	55,112
Grand Total ..	376	66,142

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940–41.

MADRAS PRESIDENCY.

CHICACOLE MINOR RIVERS SYSTEM—*Canal Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Total. RS.	Charges to date. RS.	Amount of sanctioned estimate. RS.	Unspent balance of estimate. RS.	
Direct Charges.							
Works Establishment	1,02,797	1,24,865	2,27,662	..	..	..	2,27,662
Tools and plant	23,382	26,725	50,107	..	..	..	50,107
Suspense account	..	427	427	..	..	..	427
Total ..	1,26,179	1,52,017	2,78,196	..	..	..	2,78,196
Less—Receipts on Capital Account.	..	..	..	..	..	..	..
Net Total ..	1,26,179	1,52,017	2,78,196	..	..	..	2,78,196
Indirect Charges.							
Capitalized abatement of land revenue ..	..	4,084	4,084	..	..	..	4,084
Leave and pension allowances	3,274	3,556	6,830	..	..	..	6,830
Audit and accounts	..	116	116	..	..	..	116
Total ..	3,274	7,756	11,030	..	..	..	11,030
Grand Total ..	1,29,453	1,59,773	2,89,226	..	..	..	2,89,226

The construction estimate of the project was closed on 31st March 1900 and the completion report approved in G.O. No. 162 I., dated 17th May 1911.

LOWER COLEROON ANICUT SYSTEM—*Canal Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 119 of the Administrative Accounts for 1934-1935.]

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

LOWER COLEROON ANICUT SYSTEM—*Canal Project*—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
I. DIRECT RECEIPTS—	RS.	RS.	I. EXTENSIONS AND IMPROVEMENTS—	RS.	RS.
2 Owners' rates	..	123	(1) Head works	272	1,86,135
3 Sales of water	..	158	(2) Main canals and branches	531	8,02,406
4 Water-supply of towns	..	519	(3) Distributaries	1,037	72,131
5 Receipts from plantations	..	1,675	(4) Drainage and protective works	2,152	12,211
6 Receipts from other canal produce	..	1,919	(5) Special tools and plant	..	1,800
8 Navigation receipts	..	28	<i>Add—Unclassifiable outlay</i>	..	24,873
9 Rents of buildings	..	458	Total	3,992	10,95,956
10 Fines	..	..	II. MAINTENANCE AND REPAIRS—	..	..
11 Miscellaneous	..	511	(1) Head works	6,946	2,92,999
Recoveries of expenditure	..	..	(2) Main canals and branches	81,162	26,41,254
<i>Deduct—Refunds</i>	..	97	(3) Distributaries	7,839	3,99,209
Total, Revenue realized in Public Works Department	5,171	1,86,534	(4) Drainage and protective works	1,878	51,938
Irrigation revenue realized in Civil Department	2,54,499	2,12,16,952	(5) Special tools and plant	..	..
Total, Direct Receipts	2,59,670	2,14,03,486	<i>Add—Unclassifiable outlay</i>	..	4,82,053
II. INDIRECT RECEIPTS—	..	..	Total	97,825	38,67,453
Share of land revenue collected in the Civil Department	51,515	45,05,913	Total, Extensions and Improvements and Maintenance and Repairs	1,01,817	49,63,409
Total, Public Works and Civil Departments, Revenue	3,11,185	2,59,09,399	IV. ESTABLISHMENT	45,214	18,76,895
			V. TOOLS AND PLANT	141	19,539
			VI. REFUNDS OF REVENUE	..	423
			<i>Deduct—Recoveries on revenue account</i>	..	3,094
			Total, Direct Charges	1,47,172	66,56,972

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LOWER COLEROON ANICUT SYSTEM—Canal Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.
			Share of collection charges in the Civil Department ..	15,301
			Indirect charges ..	1,182
			Total, Direct and Indirect charges ..	1,63,655
			Deduct—Old maintenance charges saved to Government *	9,838
			Balance, net revenue ..	1,53,817
			Net Total ..	1,57,368
			Grand Total ..	3,11,185
Total, Receipts ..	3,11,185	2,59,09,399		2,59,09,399

* Direct—

Extensions and improvements ..	2,427
Maintenance and repairs ..	4,853
Establishment ..	2,475
Tools and plant ..	10
Total, Direct ..	9,765

Indirect

..	73
Total, Direct and Indirect ..	9,838

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

LOWER COLEROON ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	40,25,958	Net revenue realized to end of 1939-1940 ..	1,79,22,877
Total interest charges for the year 1940-1941 ..	1,31,104	Net revenue realized during 1940-1941 ..	1,57,368
Balance, net revenue ..	1,39,23,183		
Total ..	1,80,80,245	Total ..	1,80,80,245

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	33,241
Leave and pension allowances ..	..	45,917
Audit and accounts ..	..	9,088
Total ..	..	88,246
REVENUE—		
Capitalization of abatement of land revenue ..	164	18,343
Leave and pension allowances ..	..	1,22,721
Audit and accounts ..	1,018	30,047
Total ..	1,182	1,71,111
Grand Total ..	1,182	2,59,357

LOWER COLEROON ANICUT SYSTEM—Canal Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works	10,67,518	13,89,734	24,57,252	..	..	..	24,57,252
Establishment	2,32,629	2,09,937	4,42,566	..	..	..	4,42,566
Tools and plant	14,059	2,721	16,780	..	..	..	16,780
Suspense account	..	..	..	..	..	..	..
Total	13,14,206	16,02,392	29,16,598	..	..	..	29,16,598
Less—Receipts on Capital Account.	..	3,175	3,175	..	..	..	3,175
Net Total	13,14,206	15,99,217	29,13,423	..	..	..	29,13,423
Indirect Charges.							
Capitalized abatement of land revenue	10,946	22,295	33,241	..	..	..	33,241
Leave and pension allowances	32,568	13,349	45,917	..	..	..	45,917
Audit and accounts	..	9,088	9,088	..	..	..	9,088
Total	43,514	44,732	88,246	..	..	..	88,246
Grand Total	13,57,720	16,43,949	30,01,669	..	..	..	30,01,669

The construction estimate of the project was closed on 30th June 1903 and the completion report approved in G.O. No. 400 I., dated 24th September 1909.

KISTNA EAST BANK CANAL EXTENSION SCHEME—Canal Project.
No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of constructions as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. Works—			
(1) Headworks	— 91	7,45,362	6,73,165
(2) Main canals and branches	48,136	17,60,497	18,75,379
(3) Distributaries	4,846	9,56,615	10,08,961
(4) Drainage and protective works	1,596	2,57,998	2,95,555
(5) Water-courses	— 342	2,05,531	1,75,000
(6) Special tools and plant	..	3,41,033	3,41,033
Total, Works	54,145	42,67,036	43,69,036
II. Establishment	20,996	8,20,290	6,45,898
III. Tools and plant	105	6,88,778	7,34,458
V. Less receipts on capital account	14,663	53,428	53,428
Net outlay in India and England	60,583	57,22,676	56,95,964

IRRIGATION BRANCH.

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KISTNA EAST BANK CANAL EXTENSION SCHEME—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year, RS.	To end of the year, RS.		During the year, RS.	To end of the year, RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
3 Sale of water	..	..	(1) Headworks	..	52,048
4 Water-supply of towns ..	..	..	(2) Main canals and branches ..	2,185	16,553
5 Receipts from plantations ..	7	860	(3) Distributaries	339	20,834
6 Receipts from other canal produce	2,022	42,355	(4) Drainage and protective works ..	..	7,142
8 Navigation receipts	634	31,117	(5) Special tools and plant	..	689
9 Rents of buildings	1,172	23,485	Total	2,524	97,266
10 Fines	..	3	II. MAINTENANCE AND REPAIRS—		
11 Miscellaneous	5	3,854	(1) Headworks	24,283	18,80,544
Recoveries of expenditure ..	69	649	(2) Main canals and branches ..	13,662	3,32,678
<i>Deduct—Refunds</i>	2,771	4,012	(3) Distributaries	15,159	1,73,067
			(4) Drainage and protective works ..	..	53,985
			(5) Special tools and plant	..	20,730
			<i>Add—Unclassifiable outlay</i>	..	..
Total, revenue realized in Public Works Department	1,138	98,311	Total	53,104	24,61,004
Irrigation Revenue realized in Civil Department	4,53,138	57,15,485	Total, Extensions and Improvements and Maintenance and Repairs	55,628	25,58,270
Total, Direct Receipts	4,54,276	58,13,796	IV. ESTABLISHMENT	26,783	10,65,621
			V. TOOLS AND PLANT	107	70,801

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

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MADRAS PRESIDENCY.

II. INDIRECT RECEIPTS—			VI. REFUNDS OF REVENUE	15	
Share of Land Revenue collected in the Civil Department	87,205	17,47,841	<i>Deduct—Recoveries on Revenue account</i>	176	
			Total, Direct charges	82,518	36,94,531
Total, Public Works and Civil Department, Revenue	5,41,481	75,61,637	Share of collection charges in the Civil Department	23,524	3,02,477
			Indirect charges	556	96,498
			Total, Direct and Indirect charges ..	1,06,598	40,93,596
			<i>Deduct—Old maintenance charges saved to Government *</i>	16,578	4,91,429
			Net total	90,020	36,02,077
			Balance, net revenue	4,51,461	39,59,560
Total, Receipts	5,41,481	75,61,637	Grand Total	5,41,481	75,61,637
* Direct—			RS.		
Extensions and improvements ..	..	..	..	49	
Maintenance and repairs	..	..	..	12,131	
Establishment	..	..	..	4,252	
Tools and plant	..	..	..	24	
			Total, Direct	16,456	
			Indirect	122	
			Total, Direct and Indirect	16,578	

KISTNA EAST BANK CANAL EXTENSION SCHEME—Canal
Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	33,42,334	Net revenue realized to end of 1939-1940 ..	35,08,099
Total interest charges for the year 1940-1941 ..	2,55,537	Net revenue realized during 1940-1941 ..	4,51,461
Balance Net Revenue ..	3,61,689		
Total ..	<u>39,59,560</u>	Total ..	<u>39,59,560</u>

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	27	22,224
Leave and pension allowances ..	541	52,699
Audit and accounts ..		31,849
Total ..	568	1,06,772
REVENUE—		
Capitalization of abatement of land revenue ..		440
Leave and pension allowances ..	556	77,881
Audit and accounts ..		18,177
Total ..	556	96,498
Grand Total ..	1,124	2,03,270

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

KISTNA EAST BANK CANAL EXTENSION SCHEME—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.	RS.	RS.	RS.	
Direct Charges.							
Works ..	9,86,285	5,33,431	15,19,716	27,47,320	28,49,320	1,02,000	42,87,036
Establishment ..	1,87,250	2,11,973	3,99,223	4,21,067	2,46,675	—	8,20,290
Tools and plant ..	6,71,389	6,083	6,77,472	11,306	56,986	45,680	6,88,778
Suspense account ..							
Total ..	18,44,924	7,51,487	25,96,411	31,79,693	31,52,981	—	57,76,104
Less—Receipts on Capital Account.	377	53,051	53,428				53,428
Net Total ..	18,44,547	6,98,436	25,42,983	31,79,693	31,52,981	—	57,22,676
Indirect Charges.							
Capitalized abatement of land revenue ..	379	21,845	22,224				22,224
Leave and pension allowances ..	26,215	26,484	52,699				52,699
Audit and accounts ..		4,377	4,377	27,472	28,493	1,021	31,849
Total ..	26,594	52,706	79,300	27,472	28,493	1,021	1,06,772
Grand Total ..	18,71,141	7,51,142	26,22,283	32,07,165	31,81,474	—	58,29,448

The construction estimate of the project was closed on 31st October 1913 and the completion report approved in G.O. No. 143 I., dated 3rd April 1917.

PUBLIC WORKS DEPARTMENT.

TOLUDUR RESERVOIR SYSTEM.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
I. Works—		RS.	RS.
(1) Head works	..	13,76,795	13,76,795
(2) Main canals and branches	..	1,81,805	1,81,805
(3) Distributaries	..	1,02,401	1,02,401
(6) Special tools and plant	..	61,411	61,411
Total, Works	..	15,99,590	15,99,590
II. Establishment	..	4,75,288	4,75,288
III. Tools and plant	..	3,05,960	3,05,960
V. Less—Receipts on Capital Account.	..	9,815	9,815
Net outlay in India and England ..	..	23,71,023	23,71,023

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

TOLUDUR RESERVOIR SYSTEM—cont.

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
DIRECT RECEIPTS—		RS.	I. EXTENSIONS AND IMPROVEMENTS—		RS.
5 Receipts from plantations	..	437	(1) Head works	..	13,009
6 Receipts from other canal produce.	..	66	(2) Main canals and branches	..	10,463
9 Rents of buildings	..	44	(3) Distributaries	..	9,337
10 Fines	..	..	(4) Drainage and protective works ..	..	6,771
11 MISCELLANEOUS	..	43	(5) Special tools and plant	..	..
Recoveries of expenditure	..	..	Total	2,085	40,180
Deduct—Refunds	..	3	II. MAINTENANCE AND REPAIRS—		
Total, Revenue realized in Public Works department	1,15,908	1,15,908	(1) Head works	..	5,487
Irrigation Revenue realized in Civil department	587	587	(2) Main canals and branches	..	16,237
Total, Direct Receipts	1,16,495	1,16,495	(3) Distributaries	..	3,317
II. INDIRECT RECEIPTS—			(4) Drainage and protective works ..	..	74
Share of Land Revenue collected in the Civil department	448	448	(5) Special tools and plant	..	..
Total, Public Works and Civil departments Revenue	1,16,943	1,16,943	Add—Unclassified outlay	..	..
Total, Receipts	1,16,943	1,16,943	Total	25,315	4,49,651
			Total, Extensions and Improvements and Maintenance and Repairs	27,400	4,89,831
			IV. ESTABLISHMENT	11,239	1,93,726
			V. TOOLS AND PLANT	38	1,759
			VI. REFUNDS OF REVENUE	..	..
			Deduct—Recoveries on revenue account.	..	240
			Total, Direct Charges	38,677	6,85,076
			Share of collection charges in the Civil department	5,818	82,043
			Indirect Charges	301	8,047
			Total, Direct and Indirect Charges ..	44,796	7,75,166
			Balance net revenue	72,147	8,72,541
			Grand Total	1,16,943	16,47,707

PUBLIC WORKS DEPARTMENT.

TOLUDUR RESERVOIR SYSTEM—cont.

No. 4.—Interest Account for and to end of 1940–1941.

Amount.	RS.	Amount.	RS.
Total interest charges to end of 1939–1940 ..	22,70,438	Net revenue realized to end of 1939–1940 ..	8,00,394
Total interest charges for the year 1940–1941 ..	1,06,652	Net revenue realized during 1940–1941 ..	72,147
		Balance, net interest charges.	15,04,549
Total ..	23,77,090	Total ..	23,77,090

No. 5.—Account Indirect Charges for and to end of 1940–1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	1	1,81,159
Leave and pension allowances ..	..	66,102
Audit and accounts ..	..	4,497
Total ..	1	2,51,758
REVENUE—		
Capitalization of abatement of land revenue ..	27	2,262
Leave and pension allowances ..	..	886
Audit and accounts ..	274	4,699
Total ..	301	8,047
Grand Total ..	302	2,59,805

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940–41.

MADRAS PRESIDENCY.

TOLUDUR RESERVOIR SYSTEM—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works ..	16,12,421	— 12,831	16,99,590	..	..	..	16,99,590
Establishment ..	4,74,048	1,240	4,75,288	..	..	..	4,75,288
Tools and plant ..	3,06,052	92	3,06,960	..	..	..	3,06,960
Suspense account ..	..	..	..	..	..	..	..
Total ..	23,92,521	11,683	23,80,838	..	..	..	23,80,838
Less—Receipts on Capital Account.	8,322	1,493	9,815	..	..	..	9,815
Net Total ..	23,84,199	13,176	23,71,023	..	..	..	23,71,023
Indirect Charges.							
Capitalized abatement of land revenue ..	1,80,460	699	1,81,159	..	..	..	1,81,159
Leave and pension allowances ..	66,102	..	66,102	..	..	..	66,102
Audit and accounts ..	4,566	60	4,497	..	..	..	4,497
Total ..	2,51,128	630	2,51,758	..	..	..	2,51,758
Grand Total ..	26,35,327	13,546	26,22,781	..	..	..	26,22,781

The construction estimate of the project was closed on 31st October 1925 and the completion report approved in G.O. No. 514 L, dated 28th February 1931.

POLAVARAM ISLAND PROJECT—*Canal Project.*

No. 2.—Capital Account for and to end of 1940–1941.

(Vide details on page 128 of the Administrative Accounts for 1939–1940.)

POLAVARAM ISLAND PROJECT—*Canal Project*—cont.

No. 3.—Revenue Account for and to end of 1940–41.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS—						
5 Receipts from plantations ..	259	3,189				
6 Receipts from other canal produce ..	140	1,553				
8 Navigation receipts ..	..	4				15
9 Rents of buildings ..	12	178				11,229
10 Recoveries of expenditure ..	411	552		1,059		2,339
11 Miscellaneous ..	..	43		..		..
				1,059		13,583
<i>Deduct—Refunds ..</i>	..	137				
Total Revenue realized in Public Works Department ..	822	5,382				
Irrigation Revenue realized in Civil Department ..	95,836	12,35,397		6,663		1,264
Total, Direct Receipts ..	96,658	12,40,779		10,279		66,302
II. INDIRECT RECEIPTS—						
Share of land revenue collected in the Civil Department ..	..	..		..		..
Total, Public Works and Civil Departments, Revenue ..	96,658	12,40,779		..		57,439
Total, Receipts ..	..	..		..		..
				16,942		1,25,005
Charges.						
I. EXTENSIONS AND IMPROVEMENTS—						
(1) Head works ..						
(2) Main canals and branches ..						
(3) Distributaries ..						
(4) Drainage and protective works ..						
(5) Special tools and plant ..						
Total ..				1,059		13,583
II. MAINTENANCE AND REPAIRS—						
(1) Head works ..						
(2) Main canals and branches ..						
(3) Distributaries ..						
(4) Drainage and protective works ..						
(5) Special tools and plant ..						
Add—Unclassifiable outlay ..						
Total ..				16,942		1,25,005
Total, Extensions and Improvements and Maintenance and Repairs ..				18,001		1,38,538
IV. ESTABLISHMENT ..				9,269		65,069
V. TOOLS AND PLANT ..				218		1,457
VI. REFUNDS OF REVENUE ..				..		..
Total, Direct Charges ..				27,488		2,05,114
Share of collection charges in the Civil Department ..				4,792		61,768
Indirect Charges ..				180		1,395
Total, Direct and Indirect Charges ..				32,460		2,68,277
Balance, net revenue ..				64,198		9,72,502
Grand Total ..				96,658		12,40,779

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940–41.

MADRAS PRESIDENCY.

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

POLAVARAM ISLAND PROJECT—*Canal Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

Amount.	Rs.	Amount.	Rs.
Total interest charges to end of 1939-40	9,98,824	Net revenue realized to end of 1939-40 ..	9,08,304
Total interest charges for the year 1940-41	75,102	Net revenue realized during 1940-41 ..	64,198
		Balance, net interest charges	1,01,424
Total ..	10,73,926	Total ..	10,73,926

No. 5.—Accounts of Indirect Charges for and to end of 1940-41.

Particulars.	During the year.	To end of the year.
Rs.	Rs.	Rs.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	10,146
Leave and pension allowances	..	4,423
Audit and accounts	..	12,897
Total ..	..	27,466
REVENUE—		
Capitalization of abatement of land revenue ..	..	10
Leave and pension allowances	..	1,385
Audit and accounts	180	..
Total ..	180	1,395
Grand Total ..	180	28,861

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

POLAVARAM ISLAND PROJECT—*Canal Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	Rs.	Rs.	Rs.				Rs.
Direct Charges.							
Works	12,33,116	56,818	12,89,934	..	..	..	12,89,934
Establishment	3,51,544	17,386	3,68,930	..	..	..	3,68,930
Tools and plant	13,850	494	14,344	..	..	..	14,344
Suspense account	..	..	..	..	..	..	..
Total ..	15,98,510	74,698	16,73,208	..	..	..	16,73,208
Less—Receipt on Capital Account.	4,099	..	4,099	..	..	..	4,099
Net Total ..	15,94,411	74,698	16,69,109	..	..	..	16,69,109
Indirect Charges.							
Capitalized abatement of land revenue	10,930	66	10,146	..	..	..	10,146
Leave and pension allowances	4,423	..	4,423	..	..	..	4,423
Audit and accounts	12,330	567	12,897	..	..	..	12,897
Total ..	26,333	633	27,466	..	..	..	27,466
Grand Total ..	16,21,244	75,331	16,96,575	..	..	..	16,96,575

The construction estimate of the project was closed on 28th February 1934 and the completion report approved in G.O. No. 1258, P.W. (Irrigation), dated 26th May 1936.

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

CAUVERY-METTUR RESERVOIR PROJECT—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Costo construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. WORKS—			
(1) Head Works—			
A. Preliminary expenses ..	..	1,86,634	1,85,000
B. Land	..	30,31,367	30,10,000
C. Works	156	2,70,68,290	2,83,00,000
K. Buildings	..	25,58,078	25,87,000
O. Miscellaneous	..	29,97,633	30,74,000
P. Maintenance	..	11,106	34,000
Total ..	156	3,58,53,108	3,71,90,000
(2) Main Canals and Branches—			
(a) Grand Anicut Canal system—			
A. Preliminary expenses ..	..	98,520	99,000
B. Land	..	11,40,892	12,00,000
D. Regulators	..	3,06,822	3,20,000
E. Falls and weirs	..	1,67,144	1,70,000
F. (1) Other cross drainage works	..	24,89,853	23,60,000
G. Bridges	..	8,03,085	8,25,000
H. Escapes	..	29,189	25,000
K. Buildings	7,703	3,00,579	2,22,000
L. Earthwork	..	32,49,173	33,20,000
M. Plantations	..	17,625	25,000
O. Miscellaneous	44	1,03,220	85,000
P. Maintenance	..	1,02,132	1,20,000
Total ..	7,747	88,08,234	87,71,000
(b) Vadavar system—			
A. Preliminary expenses ..	..	20,845	20,900
B. Land	..	90,799	91,000
D. Regulators	..	27,592	27,600
E. Falls and weirs	..	25,182	24,360
F. (1) Other cross drainage works	..	57,293	54,060
G. Bridges	..	41,875	40,000
H. Escapes	..	24,349	24,350
K. Buildings	..	29,807	28,750
L. Earthwork	..	2,04,098	2,03,800
M. Plantations	..	4,049	4,060
O. Miscellaneous	..	13,604	14,500
P. Maintenance	..	9,664	10,600
Total ..	..	5,49,157	5,44,000
Total, (2) Main Canals and Branches.	7,747	93,57,391	93,15,000

ADMINISTRATIVE ACCOUNTS
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MADRAS PRESIDENCY.

CAUVERY-METTUR RESERVOIR PROJECT—Canal Project—cont.

No. 2.—Capital Account for and to end of 1940-1941—cont.

Heads of account.	DIRECT CHARGES.		Cost of construc- tion as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. WORKS—cont.			
(3) Distributaries—			
(a) Grand Anicut Canal sys- tem—			
A. Preliminary expenses ..	..	1,30,714	1,32,000
B. Land	600	27,02,506	28,75,000
C. Works	206	14,20,797	11,25,000
L. Earthwork	5,205	8,70,961	8,90,000
M. Plantations	..	11,346	18,000
O. Miscellaneous	..	72,335	80,000
P. Maintenance	..	40,194	40,000
Total ..	6,011	52,48,853	51,60,000
(b) Vadavar system—			
A. Preliminary expenses ..	..	22,604	22,800
B. Land	..	4,58,943	4,57,200
C. Works	..	2,08,057	2,09,000
L. Earthwork	..	2,48,986	2,48,000
M. Plantations	..	2,773	2,800
O. Miscellaneous	..	13,894	16,000
P. Maintenance	..	17,839	24,000
Total ..	..	9,69,096	9,79,800
Total, (3) Distributaries ..	6,011	62,17,949	61,39,800
(6) Special Tools and Plant ..	84,048 *	85,99,890	87,00,000
Loss on stock ..	5	2,53,477	10,200
Total, Works ..	70,129	6,02,81,815	6,13,55,000
II. ESTABLISHMENT (a)—			
Non-voted (Charged)—			
Pay of officers	8,650	14,42,400	..
Cost of passage granted ..	..	27,965	..
Other compensatory allowances ..	..	98,636	..
Travelling allowance	..	137	..
Contingencies	..	5,526	..
Supervision charges	..	12,942	..
Bonus contribution to Special Provident Fund	..	4,637	..
Deduct—Recoveries	..	..	..
Voted—			
Pay of officers	8,661	10,75,713	..
Pay of establishment	7,039	22,03,771	..
Travelling allowance	..	3,49,989	..
Fixed travelling allowance ..	..	85	..
Other compensatory allowance ..	..	2,093	..
Contract contingencies	..	..	..
Supplies and services	..	..	..

* Salvage value of Special Tools and Plant has been taken as a reduction of expenditure under "Special Tools and Plant" instead of being credited to "Receipts and recoveries on Capital Account"—Vide Auditor-General's letter, No. 769, Administration—N/431-27, dated 22nd May 1929.

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

CAUVERY-METTUR RESERVOIR PROJECT—Canal Project—cont.

No. 2.—Capital Account for and to end of 1940-1941—cont.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year. RS.	To end of the year. RS.	
II. ESTABLISHMENT (a)—cont.			
Voted—cont.			
Non-contract contingencies—			
Stationery and Printing ..	..	2,07,832	..
Other contingencies ..	..	58,231	..
Supervision charges ..	..	40,947	..
Bonus contribution to Special Provident Fund ..	..	12,704	..
Charges payable to Government—			
Departments, etc. ..	..	1,104	..
Total ..	22,350	55,35,438	..
English cost of establishment—			
Par value (Voted and Non-voted) ..	2,400	3,46,029	..
Loss or gain by exchange ..	4	8,680	..
Deduct—Recoveries (Voted) ..	..	2,53,540	..
Add—Amount debited by transferred establishment (Establishment inclusive of pensionary charges) ..	20,414	43,538	..
Add—Pensionary charges ..	1,942	5,68,333	..
Net total, Establishment (a) ..	6,282	62,49,058	58,75,000
III. TOOLS AND PLANT—			
New supplies—			
Scientific instruments and drawing materials ..	..	64,900	..
Tools ..	..	1,20,165	..
Office furniture ..	..	43,887	..
Navigation plant ..	..	1,285	..
Camp equipage ..	..	29,586	..
Repairs and carriage ..	..	37,844	..
Total, Tools and Plant ..	..	2,97,687	..
Deduct—Charges debited to other heads of account ..	..	..	..
Add—Amount debited by Transferred establishment ..	271	428	..
Net Total, Tools and Plant ..	271	2,97,241	3,00,000
IV. SUSPENSE ..			
Grand Total ..	68,632	6,69,22,982	6,76,20,000
V. Less—RECEIPTS ON CAPITAL ACCOUNT ..			
Net outlay in India and England ..	57,005	22,82,722	3,50,000
	1,25,637	6,46,40,240	6,67,70,000

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

CAUVERY-METTUR RESERVOIR PROJECT—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.		TOTAL.		Charges.		TOTAL.		
During the year.		To end of the year.		During the year.		To end of the year.		
RS.		RS.		RS.		RS.		
I. DIRECT RECEIPTS—								
3. Sales of water	542	1,991	I. EXTENSIONS AND IMPROVEMENTS—	(1) Head works	598	9,500		
6. Receipts from plantations	1,775	15,948	(2) Main canals and branches	2,00,462	2,84,104			
8. Receipts from other canal produce.	255	1,026	(3) Distributaries	10,510	74,390			
9. Navigation	..	110	(4) Drainage and protective works.	361	361			
10. Rents of buildings	4,261	92,252	Total	2,11,931	3,68,355			
11. Fines	..	29						
12. Miscellaneous	12,528	44,363						
Recoveries of expenditure	222	5,431						
Deduct—Refunds	299	2,081						
Total, Revenue realized in Public Works Department	19,284	1,59,069						
II. IRRIGATION revenue realized in Civil Department								
..	13,13,030	81,85,736						
Total, Direct Receipts	13,32,314	83,44,805						
III. COMPENSATION—								
Total, Extensions and Improvements and Maintenance and Repairs								
IV. ESTABLISHMENT								
V. TOOLS AND PLANT								
Total, Direct Charges								
Share of collection charges in the Civil Department								
Indirect charges								
Total, Direct and Indirect Charges.								
Deduct—Old maintenance charges saved to Government								
Net Total								
Balance Net Revenue								
Grand Total								
* Direct—								
Extension and Improvements								
Maintenance and Repairs								
Establishment								
Tools and Plant								
Total, Direct								
Indirect								
Total, Direct and Indirect								

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

CAUVERY-METTUR RESERVOIR PROJECT—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount, RS.		Amount, RS.
Total interest charges to end of 1939-1940 ..	3,28,93,137	Net revenue realized to end of 1939-1940 ..	46,69,376
Total interest charges for the year 1940-1941 ..	29,11,620	Net revenue realized during 1940-1941 ..	6,74,420
		Balance, net interest charges ..	3,04,60,961
Total ..	3,58,04,757		3,58,04,757

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	4,48,680
Leave and pension allowance ..	..	23,617
Audit and accounts ..	701	5,73,920
Total ..	701	10,46,217
REVENUE—		
Capitalization of abatement of land revenue ..	40	2,215
Audit and accounts ..	4,425	18,604
Total ..	4,465	20,819
Grand Total ..	3,764	10,67,036

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

CAUVERY-METTUR RESERVOIR PROJECT—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.		
					RS.	RS.	
<i>Direct Charges.</i>							
Works ..	..	..	..	6,02,81,815	6,13,55,000	10,73,185	..
Establishment ..	..	..	..	62,49,058	58,75,000	— 3,74,058	..
Tools and plant ..	..	..	..	2,97,241	3,00,000	2,759	..
Suspense account ..	..	..	..	94,848	90,000	— 4,848	..
Total ..	..	..	..	6,69,22,962	6,76,20,000	6,97,038	..
Less—Receipts on Capital Account.	..	..	..	22,82,722	8,50,000	— 14,32,722	..
Total outlay in India and England ..	..	..	..	6,46,40,240	6,67,70,000	21,29,760	..
<i>Indirect Charges.</i>							
Capitalization of abatement of land revenue ..	..	..	..	4,48,680	4,39,000	40,320	..
Leave and pension allowances ..	..	..	..	23,617	25,000	1,383	..
Audit and accounts ..	..	..	..	5,73,920	6,16,000	42,080	..
Total ..	..	..	..	10,46,217	11,30,000	83,783	..
Grand total outlay in India and England ..	..	..	..	6,56,86,457	6,79,00,000	22,13,543	..

KATTALAI ANICUT SCHEME—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. Works—			
(1) Head Works—			
B. Land	..	257	..
C. Works	..	5,91,068	5,14,349
K. Buildings	..	2,510	10,000
O. Miscellaneous	..	12,392	1,18,651
Unforeseen works	..	..	37,000
P. Maintenance	..	18,814	..
Total, Head works	..	6,25,041	6,80,000
(2) Main Canals and Branches—			
A. Preliminary expenses	..	11,933	20,004
B. Land	2,391	4,82,134	4,58,169
C. Works	493	52,733	55,135
D. Regulators	..	92,774	1,01,030
E. Falls and weirs	728	23,575	25,703
F. Cross drainage	1,653	3,41,689	3,47,635
F. (1) Other cross and drainage works	..	..	..
G. Bridges	..	3,317	3,470
H. Escapes	659	2,75,936	2,58,012
K. Buildings	..	40,913	..
L. Earthwork	..	28,865	39,382
M. Plantations	1,235	11,58,340	12,99,368
N. Tanks	..	..	11,000
O. Miscellaneous	..	..	48,600
P. Maintenance	4,027	57,849	67,140
Unforeseen works	..	43,749	43,359
Total, Main Canals	11,184	26,13,798	28,68,432
(3) Distributaries—			
B. Land	..	..	..
C. Works	445	89,492	43,851
E. Falls and weirs	..	12,044	23,304
L. Earthwork	..	12,042	27,182
O. Miscellaneous	55	40,438	60,079
Total	25	12,857	11,584
(4) Special Tools and Plant	..	..	..
Loss on stock	..	58,560	90,392
Total, Works	11,709	34,43,192	38,10,824
II. ESTABLISHMENT—			
Non-voted (Charged)—			
Pay of officers	..	45,325	..
Passage pay	..	476	..
Travelling allowance	..	6,945	..

KATTALAI ANICUT SCHEME—Canal Project—cont.

No. 2.—Capital Account for and to end of 1940-1941—cont.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
II. ESTABLISHMENT—cont.			
Voted—			
Pay of officers	..	52,743	..
Pay of establishment	142	1,14,618	..
Travelling allowance	..	..	..
Fixed travelling allowance	..	..	..
Other compensatory allowance	..	38,722	..
Non-contract, contingencies—			
Miscellaneous	..	..	..
Total, Establishment	142	2,58,829	5,53,700
English cost of establishment—			
Par value	..	18,678	..
Loss or gain by exchange	..	1,262	..
Add—Pensionary charges on special establishment	1	21,703	..
Add—Supervision charges on special establishment	..	14,984	..
Add—Amount debited by Transferred establishment (inclusive of pensionary charges)	3,979	1,61,804	..
Grand total, Establishment	4,122	4,77,260	5,53,700
III. TOOLS AND PLANT—			
New supplies—			
Scientific instruments and drawing materials	..	6,441	..
Plant and machinery	..	3,306	..
Tools	..	32,572	..
Office furniture	..	2,510	..
Repairs and carriage	..	8,290	..
Total, Tools and Plant	..	53,119	57,750
Add—Amount debited by Transferred	16	— 500	..
Net total, Tools and Plant	16	52,619	57,750
IV. SUSPENSE	..	1	..
Less—RECEIPTS ON CAPITAL ACCOUNT	..	10,540	..
V. Net outlay in India and England	15,847	39,62,502	44,22,374

KATTALAI ANICUT SCHEME—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	18,39,507	Net revenue realized to end of 1939-1940 ..	57,605
Total interest charges for the year 1940-1941.	1,77,758	Net revenue realized during 1940-1941 ..	75,715
		Balance, net interest charges ..	16,83,945
Total ..	18,17,285	Total ..	18,17,285

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	228	55,669
Leave and pension allowances ..	..	7,233
Audit and accounts ..	117	34,435
Total ..	343	97,337
Capitalization of abatement of land revenue ..	..	155
Audit and accounts ..	555	8,991
Total ..	555	9,146
Grand total ..	898	1,06,483

KATTALAI ANICUT SCHEME—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date. RS.	Amount of sanctioned estimate. RS.	Unspent balance of estimate. RS.	
Direct Charges.							
Works ..	..	..	..	34,43,162	38,10,824	3,67,662	..
Establishment ..	..	..	..	4,77,260	5,63,700	76,440	..
Tools and plant ..	..	..	..	52,619	57,750	5,131	..
Suspense account ..	..	..	..	1	..	—	..
Total ..	..	..	..	39,73,042	44,22,274	4,49,232	..
Less—Receipt on capital account ..	..	..	..	10,540	..	— 10,540	..
Net total outlay in India and England ..	..	..	..	39,62,502	44,22,274	4,59,772	..
Indirect Charges.							
Capitalized abatement of land revenue ..	..	..	..	55,669	46,097	— 9,572	..
Leave and pension allowance ..	..	..	..	7,233	7,233	..	..
Audit and accounts ..	..	..	..	34,435	38,108	3,673	..
Total ..	..	..	..	97,337	91,438	— 5,899	..
Grand total outlay in India and England.	..	..	..	40,59,839	45,13,712	4,53,873	..

KURNOOL-CUDDAPAH CANAL—*Canal Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on pages 148 and 149 of the Administrative Accounts for 1934-1935.]

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

KURNOOL-CUDDAPAH CANAL—*Canal Project—cont.*
No. 3.—Revenue Account for and to end of 1940-1941.

	Receipts.		Charges.	
	TOTAL. During the year. RS.		TOTAL. During the year. RS.	
I. DIRECT RECEIPTS—				
1. Water-rates from irrigation ..	..	35,98,514	I. EXTENSIONS AND IMPROVEMENTS—	
2. Sale of water ..	..	231	(1) Head works ..	..
3. Water-supply of towns ..	..	78,574	(2) Main canals and branches ..	..
4. Receipts from plantations ..	..	3,580	(3) Distributaries ..	..
5. Receipts from other canal produce ..	..	4,199	(4) Drainage and protective works ..	..
6. Navigation receipts ..	..	114	(5) Special tools and plant ..	..
7. Rents of buildings ..	..	1,164	Add—Unclassifiable outlay ..	..
8. Fines ..	..	157	Total ..	..
9. Miscellaneous ..	..	185	II. MAINTENANCE AND REPAIRS—	
10. Recoveries of expenditure ..	..	6,964	(1) Head works ..	..
11. Deduct—Refunds ..	..	9	(2) Main canals and branches ..	..
			(3) Distributaries ..	..
			(4) Drainage and protective works ..	..
			(5) Special tools and plant ..	..
			Add—Unclassifiable outlay ..	..
			Total ..	..
Total revenue realized in Public Works Department ..	9,444	42,48,979		
Irrigation revenue realized in Civil Department ..	2,75,132	93,83,005		
			Total, Extensions and Improvements and Maintenance and Repairs ..	..
			IV. ESTABLISHMENT ..	..
			V. TOOLS AND PLANT ..	..
			VI. REFUNDS OF REVENUE ..	..
			Deduct—Recoveries on Revenue Account ..	..
			Total, Direct Charges ..	..
Total, Direct Receipts ..	2,84,576	1,36,31,984		

KURNOOL-CUDDAPAH CANAL—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.	TOTAL.		Charges.	TOTAL.
	During the year.	To end of the year.		
RS.	RS.	RS.		RS.
II. INDIRECT RECEIPTS—				
Share of land revenue collected in the Civil Department	3,019	70,390	Share of collection charges in the Civil Department	13,886
			Indirect charges	890
				2,55,122
			Total, Direct and Indirect Charges ..	1,18,428
			Deduct—Old maintenance charges saved to Government *	4,068
				1,07,761
Total, Public Works and Civil Departments, Revenue	2,87,595	1,37,02,374	Balance, net revenue	1,14,360
				85,00,958
Total, Receipts	2,87,595	1,37,02,374	Net Total	1,73,235
				52,01,416
* Direct—			Grand Total	2,87,595
Extensions and improvements				1,37,02,374
Maintenance and repairs			RS.	
Establishment			232	
Tools and plant			2,757	
			1,043	
			6	
Indirect			Total, Direct	4,038
				30
			Total, Direct and Indirect	4,068

KURNOOL-CUDDAPAH CANAL—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940	4,78,02,322	Net revenue realized to end of 1939-1940 ..	50,28,181
Total interest charges for the year 1940-1941	10,49,115	Net revenue realized during 1940-1941 ..	1,73,235
		Balance, net interest charges	4,36,50,021
Total	4,88,51,437	Total	4,88,51,437

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	19,983
Leave and pension allowances	..	53,274
Audit and accounts	..	181
Total	..	73,438
REVENUE—		
Capitalization of abatement of land revenue	..	5,939
Leave and pension allowances	..	2,30,069
Audit and accounts	690	19,114
Total	690	2,55,122
Grand Total	690	3,28,560

KURNOOL-CUDDAPAH CANAL—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works							
Establishment ..	1,77,82,139	13,10,953	1,90,93,092	..	..	..	1,90,93,092
Tools and plant ..	..	3,80,864	3,80,864	..	..	..	3,80,864
Suspense account ..	..	3,085	3,085	..	..	..	3,085
Loss by exchange ..	40,80,918	..	40,80,918	..	..	..	40,80,918
Total ..	2,18,63,057	16,94,902	2,35,57,959	..	..	..	2,35,57,959
Less—Receipts on Capital Account.	2,24,115	20,168	2,44,283	..	..	..	2,44,283
Net Total ..	2,16,38,942	16,74,734	2,33,13,676	..	..	..	2,33,13,676
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	..	19,983	19,983	..	..	..	19,983
Leave and pension allowances ..	..	53,274	53,274	..	..	..	53,274
Audit and accounts ..	..	181	181	..	..	..	181
Total ..	..	73,438	73,438	..	..	..	73,438
Grand Total ..	2,16,38,942	17,48,172	2,33,87,114	..	..	..	2,33,87,114

The date of closure of the construction estimate is not known.

BARUR TANK—Tank Project.

No. 2.—Capital Account for and to end of 1940-1941.

(Vide details on page 149 of the Administrative Accounts for 1939-40.)

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

BARUR TANK—*Tank Project*—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations		7,878	(1) Head works		4,627
6 Receipts from other canal produce ..	1,740	29,082	(2) Main canals and branches ..	1,119	21,954
9 Rents of buildings	80	1,593	(3) Distributaries	..	2,692
11 Miscellaneous	2	2,009	(4) Drainage and protective works ..	..	1,661
Recoveries of expenditure	..	39	(5) Special tools and plant	..	..
Deduct—Refunds	3	207	Total ..	1,119	30,934
Total, Revenue realized in Public Works Department	1,819	40,394	II. MAINTENANCE AND REPAIRS—		
Irrigation Revenue realized in Civil Department	17,692	7,35,558	(1) Head works	154	22,719
Total, Direct Receipts	19,511	7,75,952	(2) Main canals and branches ..	1,251	1,65,890
			(3) Distributaries	3,296	52,713
			(4) Drainage and protective works ..	..	666
			(5) Special tools and plant	..	..
			Total ..	4,701	2,41,987
II. INDIRECT RECEIPTS—			Total, Extensions and Improvements and Maintenance and Repairs ..	5,820	2,72,921
Share of land revenue collected in the Civil Department	787	21,447	IV. ESTABLISHMENT	2,237	95,398
Total, Public Works and Civil Departments, Revenue	20,298	7,97,399	V. TOOLS AND PLANT	24	1,398
			VI. REFUNDS OF REVENUE	..	54
			Deduct—Recoveries on revenue account.	..	44
			Total, Direct Charges	8,101	3,69,727
			Share of collection charges in the Civil Department	894	36,953
			Indirect charges	58	10,287
			Total, Direct and Indirect charges ..	9,053	4,16,967
			Balance, Net revenue	11,245	3,80,432
Total, Receipts	20,298	7,97,399	Grand Total ..	20,298	7,97,399

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

BARUR TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.			Amount.	
	RS.			RS.	
Total interest charges to end of 1939-1940 ..	8,16,125		Net revenue realized to end of 1939-1940	3,69,187	
Total interest charges for the year 1940-1941 ..	19,264		Net revenue realized during 1940-1941	11,245	
			Balance, net interest charges	4,54,957	
Total ..	8,35,389		Total ..	8,35,389	

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.		To end of the year.
	RS.		RS.
CAPITAL—			
Capitalization of abatement of land revenue	..	..	13,000
Leave and pension allowances	..	..	10,738
Audit and accounts	..	..	71
Total ..	..	..	23,809
REVENUE—			
Capitalization of abatement of land revenue	..	..	130
Leave and pension allowances	..	..	8,931
Audit and accounts	..	58	1,226
Total ..	58	..	10,287
Grand Total ..	58	..	34,096

BARUR TANK—Tank Project—cont....
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works							
Establishment	3,11,681	31,102	3,42,783	..	..	..	3,42,783
Tools and plant	71,683	6,823	78,506	..	..	..	78,506
Suspense account	6,883	78	6,961	..	..	..	6,961
	..	..	..	..	..	..	..
Total ..	3,90,247	38,003	4,28,250	..	..	..	4,28,250
	22	..	22	..	..	..	22
<i>Less—Receipts on Capital Account.</i>							
Net Total ..	3,90,225	38,003	4,28,228	..	..	..	4,28,228
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue	12,056	944	13,000	..	..	..	13,000
Leave and pension allowances	10,036	702	10,738	..	..	..	10,738
Audit and accounts	..	71	71	..	..	..	71
Total ..	22,092	1,717	23,809	..	..	..	23,809
Grand Total ..	4,12,317	39,720	4,52,037	..	..	..	4,52,037

The construction estimate of the project was closed on 31st March 1891 and the completion report approved in G.O. No. 721 L., dated 15th September 1891.

VALLUR ANICUT SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 159 of the Administrative Accounts for 1934-1935.]

PUBLIC WORKS DEPARTMENT.

VALUE ANICUT SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
I. DIRECT RECEIPTS—	RS.	RS.	I. EXTENSIONS AND IMPROVEMENTS—	RS.	RS.
5 Receipts from plantations	..	1,766	(1) Head works	..	4,841
6 Receipts from other canal produce	536	2,513	(2) Main canals and branches	..	1,405
9 Rents of buildings	3	298	(3) Distributaries	..	..
Recoveries of expenditure	..	13	(4) Drainage and protective works.	..	4,817.
11 Miscellaneous	..	3,385	(5) Special tools and plant	..	..
Deduct—Refunds	..	110	Total	..	11,063
Total, Revenue realized in Public Works Department	539	7,865	II. MAINTENANCE AND REPAIRS—	..	43,481
Irrigation Revenue realized in Civil Department	1,442	1,48,573	(1) Head works	6,455	45,656
.. ..	..	..	(2) Main canals and branches	..	..
.. ..	..	..	(3) Distributaries	..	..
.. ..	..	..	(4) Drainage and protective works.	..	..
.. ..	..	..	(5) Special tools and plant	..	17,582
Total, Direct Receipts	903	1,56,438	Add—Unclassifiable outlay	..	..
			Total	6,455	1,06,719
			Total, Extensions and Improvements and Maintenance and Repairs	6,455	1,17,782
			IV. ESTABLISHMENT	1,460	27,934
			V. TOOLS AND PLANT	9	661
			Deduct—	..	..
			VI. RECOVERIES ON REVENUE ACCOUNT	..	10
			Total, Direct Charges	7,924	1,46,367

MADRAS PRESIDENCY.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

II. INDIRECT RECEIPTS—		Share of land revenue collected in the Civil Department		1,074	66,819	Share of collection charges in the Civil Department		— 18	10,772
.. ..		.. ..				Indirect charges		64	3,113
Total, Public Works and Civil Departments, Revenue		171	2,23,257	Total, Direct and Indirect Charges. Deduct—Old maintenance charges saved to Government *		7,970	1,60,252		
						1,584	66,880		
						Net Total ..	93,372		
						Balance, Net Revenue ..	1,29,885		
Total, Receipts ..		171	2,23,257	Grand Total ..		171	2,23,257		
				RS.					
* Direct—									
Extensions and Improvements ..									226
Maintenance and repairs ..									1,077
Establishment ..									267
Tools and plant ..									1
Indirect charges ..									

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

VALLUR ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-40 ..	1,80,683	Net revenue realized to end of 1939-40 ..	1,36,100
Total interest charges for the year 1940-41 ..	3,346	Net revenue realized during 1940-41 ..	— 6,215
		Balance, net interest charges.	54,144
Total ..	1,84,029	Total ..	1,84,029

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Leave and pension allowances ..	..	1,916
Audit and accounts ..	..	..
Total ..	..	1,916
REVENUE—		
Leave and pension allowances ..	..	2,489
Audit and accounts ..	64	624
Total ..	64	3,113
Grand Total ..	64	5,029

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

VALLUR ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	
	RS.	RS.			RS.
Direct Charges.					
Works ..	50,550	10,112	..	..	60,662
Establishment ..	11,627	2,052	..	..	13,679
Tools and plant ..	..	25	..	..	25
Suspense account ..	..	..	..	..	..
Total ..	62,177	12,189	..	..	74,366
Less—Receipts on capital account..	..	..	..	..	..
Net Total ..	62,177	12,189	..	..	74,366
Indirect Charges.					
Capitalized abatement of land revenue ..	1,628	..	..	..	1,916
Leave and pension allowances ..	1,628	288	..	..	1,916
Total ..	3,256	288	..	..	3,544
Grand Total ..	65,433	12,477	..	..	77,910

The construction estimate of the project was closed on 31st March 1893.

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

MADRAS WATER-SUPPLY AND IRRIGATION SYSTEM—*Tank Project*.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 164 of the Administrative Accounts for 1934-1935.]

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

MADRAS WATER-SUPPLY AND IRRIGATION SYSTEM—*Tank Project*—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
I. DIRECT RECEIPTS—	RS.	RS.		RS.	RS.	RS.
3 Sales of water ..		9,80,626	I. EXTENSIONS AND IMPROVEMENTS—			
4 Water-supply of towns ..	39,445	6,34,135	(1) Head works ..	105	6,704	
5 Receipts from plantations ..	..	2,243	(2) Main canals and branches ..	..	87,876	
6 Receipts from other canal produce ..	93	5,555	(3) Distributaries ..	..	3,277	
9 Rents of buildings ..	136	2,894	(4) Drainage and protective works ..	..	613	
10 Fines ..	..	322	(5) Special tools and plant ..	..	22	
11 Miscellaneous ..	32	7,488	Total ..	105	98,492	
Recoveries of expenditure ..	1	108	II. MAINTENANCE AND REPAIRS—			
Deduct—Refunds ..	..	90	(1) Head works ..	..	61,876	
Total, Revenue realized in Public Works Department ..	39,707	16,33,281	(2) Main canals and branches ..	13,005	9,16,517	
Irrigation revenue realized in Civil Department ..	11,547	7,51,847	(3) Distributaries ..	..	3,980	
			(4) Drainage and protective works ..	..	3,061	
			(5) Special tools and plant ..	..	..	
Total, Direct Receipts ..	51,254	23,85,128	Total ..	13,005	9,85,434	
			Total, Extensions and Improvements and Maintenance and Repairs ..	13,110	10,83,926	
			IV. ESTABLISHMENT ..	2,946	3,21,815	
			V. TOOLS AND PLANT ..	20	9,847	
			VI. REFUNDS OF REVENUE ..	..	88	
			Deduct—Recoveries on Revenue account ..	..	1,065	
			Total, Direct Charges ..	16,076	14,14,611	

MADRAS WATER-SUPPLY AND IRRIGATION SYSTEM—*Tank Project*—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works	12,97,799	95,196	13,92,995	..	..	..	13,92,995
Establishment	2,12,547	17,696	2,30,243	..	..	..	2,30,243
Tools and plant	6,648	280	6,928	..	..	..	6,928
Suspense account	..	..	..	..	..	..	..
Total	15,16,994	1,13,172	16,30,166	..	..	..	16,30,166
Less—Receipts on Capital Account.	1,167	135	1,302	..	..	..	1,302
Net total	15,15,827	1,13,037	16,28,864	..	..	..	16,28,864
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue	2,08,120	..	2,08,120	..	..	..	2,08,120
Leave and pension allowances	30,098	1,424	31,522	..	..	..	31,522
Audit and accounts	..	412	412	..	..	..	412
Total	2,38,218	1,836	2,40,054	..	..	..	2,40,054
Grand Total	17,54,045	1,14,873	18,68,918	..	..	..	18,68,918

The construction estimate of the project was closed in 1893 and the completion report approved in G.O. No. 153 I., dated 18th February 1897.

PELANDORAI ANICUT SYSTEM—*Canal Project*.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 169 of the Administrative Account for 1934-1935.]

PELANDORAI ANICUT SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940–1941.

Amount. RS.	Amount. RS.
Total interest charges to end of 1939–1940 .. 12,76,962	Net revenue realized to end of 1939–1940 .. 8,21,605
Total interest charges for the year 1940–1941 .. 28,949	Net revenue realized during 1940–1941 .. 17,507
	Balance, net interest charges .. 4,66,799
Total .. 13,05,911	Total .. 13,05,911

No. 5.—Account of Indirect Charges for and to end of 1940–1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	27,907
Leave and pension allowances	..	20,865
Audit and accounts	..	..
Total	..	48,772
REVENUE—		
Capitalization of abatement of land revenue	4	1,073
Leave and pension allowances	..	29,994
Audit and accounts	167	2,779
Total	171	33,846
Grand total	171	82,618

PELANDORAI ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Total. RS.	Charges to date. RS.	Amount of sanctioned estimate. RS.	Unspent balance of estimate. RS.	
Direct Charges.							
Works	..	..	..	..	..	..	5,20,637
Establishment	..	..	..	..	..	..	1,17,426
Tools and plant	..	..	..	..	..	..	6,037
Suspense account	..	..	..	..	..	..	..
Total	3,32,345	1,88,292	5,20,637	..	..	..	6,44,100
Less receipts on Capital Account.	73,999	43,427	1,17,426	..	..	..	798
Net total	4,10,782	2,33,318	6,44,100	..	..	..	6,43,302
Indirect Charges.							
Capitalized abatement of land revenue	..	..	..	..	..	..	27,907
Leave and pension allowances	..	..	..	..	..	..	20,865
Audit and accounts	..	..	..	..	..	..	..
Total	27,489	418	27,907	..	..	..	48,772
Grand total	14,769	6,096	20,865	..	..	..	6,92,074

The construction estimate of the Project was closed in 1893 and the completion report approved in G.O. No. 155 I., dated 19th February 1894.

PALAR ANICUT SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940–1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. Works—			
(1) Headworks	..	2,10,583	2,10,583
(2) Main canals and branches ..	..	4,37,276	4,37,276
(3) Distributaries	..	1,93,192	1,93,192
Old outlay	..	10,26,978	10,26,978
Total, Works ..	363	18,68,029	18,68,029
II. Establishment	105	4,74,387	4,74,387
III. Tools and plant	1	30,047	30,047
Grand total ..	469	23,72,463	23,72,463
V. Less receipts on Capital Account ..	..	672	672
Net outlay in India and England ..	469	23,71,791	23,71,791

PALAR ANICUT SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940–1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
1. Water rates	..	5	(1) Head works	..	22
5. Receipts from plantations ..	..	28,441	(2) Main canals and branches ..	..	277
6. Receipts from other canal produce.	..	47,901	(3) Distributaries	..	293
9. Rents of buildings	..	8,368	(4) Drainage and protective works	..	..
10. Fines	..	64	(5) Special tools and plant ..	..	..
11. Miscellaneous	..	37,328	Add—Unclassifiable outlay ..	..	32,342
Recoveries of expenditure ..	..	1,141	Total ..	592	7,10,123
Deduct—Refunds	..	12			
Total, Revenue realized in Public Works Department	1,449	1,21,549	II. MAINTENANCE AND REPAIRS—		
Irrigation Revenue realized in Civil Department	1,72,710	94,39,646	(1) Head works	..	1,970
Total, Direct Receipts ..	1,74,159	95,61,195	(2) Main canals and branches ..	..	12,553
			(3) Distributaries	..	43,006
II. INDIRECT RECEIPTS—			(4) Drainage and protective works	..	..
Share of land revenue collected in the Civil Department	..	..	(5) Special tools and plant ..	..	..
Total, Public Works and Civil Departments, Revenue	16,852	12,66,620	Add—Unclassifiable outlay ..	..	99,655
			Total ..	57,529	34,24,861
			Total, Extensions and Improvements and Maintenance and Repairs ..	58,121	41,34,984
			IV. ESTABLISHMENT	20,512	10,95,536
			V. TOOLS AND PLANT	196	26,901
			VI. REFUNDS OF REVENUE	..	10,393
			Deduct—Recoveries on Revenue Account.	..	19
			Total, Direct Charges ..	78,829	52,67,795

PUBLIC WORKS DEPARTMENT.

PALAR ANICUT SYSTEM—*Canal Project*—cont.
No. 3.—Revenue Account for and to end of 1940-1941—cont.

[illegible]

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

PALAR ANICUT SYSTEM—*Canal Project*--cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	56,80,009	Net revenue realized to end of 1939-1940 ..	50,98,612
Total interest charges for the year 1940-1941 ..	1,06,663	Net revenue realized during 1940-1941 ..	1,06,191
		Balance, net interest charges	5,81,869
Total ..	<u>57,86,672</u>	Total ..	<u>57,86,672</u>

No. 5.—Account of Indirect Charges for and to end of 1940–1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	25,558
Leave and pension allowances	..	91,644
Audit and accounts	4	282
Total ..	4	1,17,484
REVENUE—		
Capitalization of abatement of land revenue	..	2,638
Leave and pension allowances	..	1,21,432
Audit and accounts	581	14,581
Total ..	581	1,38,651
Grand Total ..	585	2,56,135

PALAR ANICUT SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Direct Charges.</i>							
Works ..	..	..	..	..	..	..	18,68,029
Establishment ..	..	..	..	..	..	..	4,74,387
Tools and plant ..	..	..	..	..	..	..	30,047
Suspense account ..	..	..	..	..	..	..	..
Total ..	15,22,878	3,45,151	18,68,029	..	..	..	..
	3,99,070	75,317	4,74,387	..	..	..	..
	29,875	172	30,047	..	..	..	..
	..	..	..	..	..	..	..
	19,51,823	4,20,640	23,72,463	..	..	..	23,72,463
	..	672	672	..	..	..	672
Less—Receipts on Capital Account.							
Net Total ..	19,51,823	4,19,968	23,71,791	..	..	..	23,71,791
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	23,054	2,504	25,558	..	..	..	25,558
Leave and pension allowances ..	81,976	9,668	91,644	..	..	..	91,644
Audit and accounts ..	..	282	282	..	..	..	282
Total ..	1,05,030	12,454	1,17,484	..	..	..	1,17,484
Grand Total ..	20,56,853	4,32,422	24,89,275	..	..	..	24,89,275

The construction estimate of the project was closed on 31st March 1896 and completion report approved in G.O. No. 917 I., dated 15th October 1897.

MUNIYERU SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 173 of the Administrative Accounts for 1939-1940.]

MUNIYERU SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.		RS.	RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—			
2. Sale of water	..	80	(1) Head works	..	..	2,579
5. Receipts from plantations	..	1,590	(2) Main canals and branches	..	..	12,568
6. Receipts from other canal produce	..	21,602	(3) Distributaries	..	..	974
9. Rents of buildings	713	2,472	(4) Drainage and protective works.	..	..	34
11. Miscellaneous	13	4,393	(5) Special tools and plant	..	..	..
Recoveries of expenditure	..	6	Total	..	..	16,155
Deduct refunds	..	66				
			II. MAINTENANCE AND REPAIRS—			
			(1) Head works	592	96,392	
			(2) Main canals and branches	4,105	1,40,176	
			(3) Distributaries	1,284	39,914	
			(4) Drainage and protective works.	..	10	
			(5) Special tools and plant	..	..	
			Add—Unclassifiable outlay	..	..	
			Total	5,981	2,76,392	
Total, Revenue realized in Public Works Department	739	30,077	Total, Extensions and Improvements and Maintenance and Repairs	5,981	2,92,547	
Irrigation Revenue realized in Civil Department	39,578	10,48,034	IV. ESTABLISHMENT	3,275	1,06,981	
			V. TOOLS AND PLANT	12	2,113	
			VI. REFUNDS OF REVENUE	..	51	
Total, Direct Receipt	40,317	10,78,111	Total, Direct Charges	9,268	4,01,692	

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

II. INDIRECT RECEIPT—			Share of collection charges in the Civil Department	1,982	52,564
Share of Land Revenue, collected in the Civil Department	62	3,305	Indirect charges	60	9,095
Total, Public Works and Civil Departments, Revenue	40,379	10,81,416	Total, Direct and Indirect charges	11,310	4,93,351
			Deduct—Old maintenance charges saved to Government *	303	7,821
			Total, Direct and Indirect charges	11,007	4,55,530
			Balance, net revenue	29,372	6,25,886
Total Receipts	40,379	10,81,416	Grand total	40,379	10,81,416
			* Direct—		
			Extensions and improvements	..	..
			Maintenance and repairs	..	222
			Establishment	..	78
			Tools and plant	..	1
			Indirect	..	301
			Total, Direct	..	2
			Total, Direct and Indirect	..	303

MUNIYERU SYSTEM—*Canal Project*—cont.

No. 4.—Interest Account for and to end of 1940–1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939–1940 ..	8,73,271	Net revenue realized to end of 1939–1940 ..	5,98,514
Total interest charges for the year 1940–1941 ..	26,064	Net revenue realized during 1940–1941 ..	29,372
		Balance, net interest charges ..	2,73,449
Total ..	8,99,335	Total ..	8,99,335

No. 5.—Account of Indirect Charges for and to end of 1940–1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	15,560
Leave and pension allowances ..	..	14,631
Audit and accounts ..	..	74
Total ..	..	30,265
REVENUE—		
Capitalization of abatement of land revenue ..	..	34
Leave and pension allowances ..	..	7,547
Audit and accounts ..	60	1,514
Total ..	60	9,095
Grand Total ..	60	39,360

MUNIYERU SYSTEM—*Canal Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	
	RS.	RS.			RS.
Direct Charges.					
Works ..	4,63,179	7,557	..	..	4,70,736
Establishment ..	1,03,806	2,778	..	..	1,06,584
Tools and plant ..	3,713	35	..	..	3,748
Suspense account ..	..	..	..	..	..
Total ..	5,70,698	10,370	..	..	5,81,068
Less—Receipts on Capital account..	1,732	..	..	..	1,732
Net Total ..	5,68,966	10,370	..	..	5,79,336
Indirect Charges.					
Capitalized abatement of land revenue ..	15,104	456	..	..	15,560
Leave and pension allowances ..	14,532	99	..	..	14,631
Audit and account ..	..	74	..	..	74
Total ..	29,636	629	..	..	30,265
Grand Total ..	5,98,602	10,999	..	..	6,09,601

The construction estimate of the project was closed in 1901–1902 and the completion report approved in G.O. No. 196 L, dated 14th July 1922.

DONDAPAD TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 190 of the Administrative Accounts
for 1934-1935.]ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.DONDAPAD TANK—*Tank Project*—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations	..	165	(1) Head works	..	73
6 Receipts from other canal produce.	..	635	(2) Main canals and branches	..	..
11 Miscellaneous	..	256	(3) Distributaries	..	1,273
			(4) Drainage and productive works	..	..
			(5) Special tools and plant	..	..
Total, Revenue realized in Public Works Department	..	1,056	Total	..	1,346
Irrigation Revenue realized in Civil Department	1,378	35,003			
	1,378	36,059	II. MAINTENANCE AND REPAIRS—		
II. INDIRECT RECEIPTS—			(1) Head works	80	7,296
Share of land revenue collected in the Civil Department	10	202	(2) Main canals and branches	..	149
			(3) Distributaries	..	3,921
Total, Public Works and Civil Departments, Revenue	1,388	36,261	(4) Drainage and productive works	..	..
			(5) Special tools and plant	..	..
			Add—Unclassifiable outlay	..	..
			Total	80	11,366
			Total, Extensions and Improvements and Maintenance and Repairs	80	12,712
			IV. ESTABLISHMENT	86	4,368
			V. TOOLS AND PLANT	..	37
			VI. REFUNDS OF REVENUE	..	..
			Total, Direct Charges	166	17,117
			Share of collection charges in the Civil Department	69	1,756
			Indirect charges	1	503
			Total, Direct and Indirect Charges	236	19,376
			Balance, net revenue	1,152	16,885
Total, Receipts	1,388	36,261	Grand Total	1,388	36,261

DONDAPAD TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	2,07,584	Net revenue realized to end of 1939-1940 ..	15,733
Total interest charges for the year 1940-1941 ..	5,615	Net revenue realized during 1940-1941 ..	1,152
		Balance, net interest charges.	1,96,314
Total ..	2,13,199	Total ..	2,13,199

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	12,566
Leave and pension allowances ..	..	2,652
Total ..	..	15,218
REVENUE—		
Leave and pension allowances ..	..	482
Audit and accounts ..	..	21
Total ..	1	503
Grand Total ..	1	15,721

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.DONDAPAD TANK—*Tank Project*—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Total. RS.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
Direct Charges.							
Works ..	..	..	..	..	..	..	1,05,848
Establishment ..	..	..	..	..	..	..	18,945
Tools and plant ..	..	..	..	..	..	..	..
Suspense account ..	..	..	..	..	..	..	..
Total ..	96,521	9,327	1,05,848	..	..	..	1,24,793
	17,017	1,928	18,945	..	..	..	7
	..	..	..	..	..	..	1,24,786
	..	..	..	..	..	..	..
	1,13,538	11,255	1,24,793	..	..	..	12,566
Less—Receipts on Capital account ..	7	..	7	..	..	..	2,652
Net Total ..	1,13,531	11,255	1,24,786	..	..	..	15,218
Indirect Charges.							
Capitalized abatement of land revenue ..	12,062	504	12,566	..	..	..	1,40,004
Leave and pension allowances ..	2,382	270	2,652	..	..	..	..
Total ..	14,444	774	15,218	..	..	..	..
Grand Total ..	1,27,975	12,029	1,40,004	..	..	..	..

The construction estimate of the project was closed on 31st March 1903 and the completion report approved in G.O. No. 61 L, dated 6th February 1914.

YERUR TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940–1941.

[Vide details on page 194 of the Administrative Accounts
for 1934–1935.]YERUR TANK—*Tank Project*—cont.

No. 3.—Revenue Account for and to end of 1940–1941.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940–41.

MADRAS PRESIDENCY.

Receipts.	TOTAL		Charges.		TOTAL	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.		RS.	RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—			
6. Receipts from other canal produce	..	..	(1) Head works	..	..	235
9. Rents of buildings	..	..	(2) Main canals and branches	..	..	..
11. Miscellaneous	..	..	(3) Distributaries	..	..	..
			(4) Drainage and protective works	..	..	..
			(5) Special tools and plant	..	..	..
			Total	..	..	235
Total, Revenue realized in Public Works Department	..	..	II. MAINTENANCE AND REPAIRS—			
			(1) Head works	728	24,323	
			(2) Main canals and branches	..	..	..
			(3) Distributaries	..	..	..
			(4) Drainage and protective works	..	..	..
			(5) Special tools and plant	..	..	..
			Total	728	24,323	
Irrigation revenue realized in Civil Department	— 1,388	54,772	Total, Extensions and Improvements and Maintenance and Repairs	728	24,558	
Total, Direct Receipts	— 1,388	54,772	IV. ESTABLISHMENT	181	7,476	
II. INDIRECT RECEIPTS—			V. TOOLS AND PLANT	1	100	
Share of land revenue collected in the Civil Department	86	2,011	VI. REFUNDS OF REVENUE	..	..	
			Total, Direct Charges	310	32,134	
Total, Public Works and Civil Departments, Revenue	— 1,302	56,783	Share of collection charges in the Civil Department	— 65	2,841	
			Indirect Charges	7	499	
Total, Receipts	— 1,302	56,783	Total, Direct and Indirect Charges	852	35,474	
			Balance, net revenue	— 2,154	21,309	
			Grand Total	— 1,302	56,783	

YERUR TANK—Tank Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	75,795	Net revenue realized to end of 1939-1940 ..	23,463
Total interest charges for the year 1940-1941 ..	2,778	Net revenue realized during 1940-1941 ..	— 2,154
		Balance, net interest charges ..	57,264
Total ..	78,573	Total ..	78,573

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.		During the year. RS.	To end of the year. RS.
CAPITAL—			
Leave and pension allowances ..	..	..	1,612
			1,612
REVENUE—			
Leave and pension allowances ..	..	..	387
Audit and accounts ..	..	7	112
		7	499
Grand Total ..		7	2,111

YERUR TANK—Tank Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Charges to date.	Amount of sanctioned estimate.	
Direct Charges.					
Works ..	..	..	..	..	50,219
Establishment ..	48,303	1,916	..	..	11,522
Tools and plant ..	11,110	412	..	..	..
Suspense account ..	..	..	..	..	..
Total ..	59,413	2,328	..	..	61,741
Less—Receipts on capital account.	..	..	..	..	..
Net Total ..	59,413	2,328	..	..	61,741
Indirect Charges.					
Capitalized abatement of land revenue ..	..	..	..	..	..
Leave and pension allowances ..	1,555	57	..	..	1,612
Total ..	1,555	57	..	..	1,612
Grand Total ..	60,968	2,385	..	..	63,353

The construction estimate of the project was closed on 31st March 1907 and the completion report approved in C.O. No. 322 I., dated 10th October 1911.

SAGILERU SYSTEM—*Canal Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 198 of the Administrative Accounts
for 1934-1935.]ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.SAGILERU SYSTEM—*Canal Project*—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.		RS.	RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—			
5 Receipts from plantations ..	..	62	(1) Head works ..	..	..	1,180
6 Receipts from other canal pro- duce ..	1	318	(2) Main canals and branches ..	..	..	9,498
9 Rents of buildings ..	52	1,346	(3) Distributaries ..	..	..	893
Recoveries of expenditure ..	..	31	(4) Drainage and protective works ..	..	..	..
11 Miscellaneous and other receipts.	..	175	(5) Special tools and plant ..	..	..	..
			Total ..	..	..	11,371
Total, Revenue realized in Public Works Department ..	53	1,932	II. MAINTENANCE AND REPAIRS—			
Irrigation Revenue realized in Civil Department ..	7,373	99,546	(1) Head works ..	711	15,779	
			(2) Main canals and branches ..	2,171	1,18,424	
			(3) Distributaries ..	107	5,697	
			(4) Drainage and protective works ..	..	..	
			(5) Special tools and plant ..	..	..	
			Total ..	2,989	1,39,900	
			Total, Extensions and Improvements and Maintenance and Repairs ..	2,989	1,51,271	
			IV. ESTABLISHMENT ..	1,167	45,196	
			V. TOOLS AND PLANT ..	6	576	
			VI. REFUNDS OF REVENUE ..	..	..	
Total, Direct Receipts ..	7,426	1,01,478	Total, Direct Charges ..	4,162	1,97,043	

PUBLIC WORKS DEPARTMENT.

SAGILERU SYSTEM—Canal Project—cont.

No. 3.--Revenue Account for and to end of 1940-1941--cont.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
RS.	RS.	RS.	RS.	RS.	
II. INDIRECT RECEIPTS—					
Share of land revenue collected in the Civil Department	26	502	Share of collection charges in the Civil Department	370	5,002
			Indirect charges	30	4,376
Total, Public Works and Civil Departments, Revenue	7,452	1,01,980	Total, Direct and Indirect Charges	4,562	2,06,421
Net deficit, if any	—5,864	25,980	Deduct old maintenance charges saved to Government *	2,974	78,481
			Balance, Net revenue	1,588	1,27,940
Total ..	1,588	1,27,940	Grand Total ..	1,588	1,27,940
* Direct—					
Extensions and Improvements					500
Maintenance and Repairs					1,685
Establishment					763
Tools and Plant					4
Total, Direct ..			Total, Direct ..		2,952
Indirect					22
Total, Direct and Indirect ..			Total, Direct and Indirect ..		2,974

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

SAGILERU SYSTEM—*Canal Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940	7,12,690	Net revenue realized to end of 1939-1940 ..	— 31,824
Total interest charges for the year 1940-1941	20,120	Net revenue realized during 1940-1941 ..	5,864
		Balance, net interest charges	7,58,770
Total ..	<u>7,32,810</u>	Total ..	<u>7,32,810</u>

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.		During the year.	To end of the year.
		RS.	RS.
CAPITAL—			
Capitalization of abatement of land revenue .. ..	.. ..	..	6,372
Leave and pension allowances .. ..	.. ..	..	11,247
	Total ..	..	17,619
REVENUE—			
Leave and pension allowances .. ..	.. ..	..	3,540
Audit and accounts .. ..	.. ..	30	836
	Total ..	30	4,376
	Grand Total ..	30	21,995

SAGILERU SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.			RS.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
<i>Direct Charges.</i>	RS.	RS.				
Works ..	..	..	..	..	..	3,54,321
Establishment ..	..	..	..	..	..	80,339
Tools and plant ..	..	..	..	..	..	12,449
Suspense account ..	..	..	..	..	..	..
Total ..	4,47,109	..	..	..	..	4,47,109
Less—Receipts on capital account ..	1	..	..	..	..	1
Net Total ..	4,47,108	..	..	..	..	4,47,108

Indirect Charges.

Capitalized abatement of land revenue ..	6,372	..	..	..	..	6,372
Leave and pension allowances ..	11,247	..	..	..	..	11,247
Total ..	17,619	..	..	..	..	17,619
Grand Total ..	4,64,727	..	..	..	..	4,64,727

The construction estimate of the project was closed on 31st March 1907 and the completion report approved in G.O. No. 193 I., dated 31st March 1913.

ATMAKUR TANK—Tank Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 203 of the Administrative Accounts for 1934-1935.]

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

ATMAKUR TANK—Tank Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
(3) Sale of water ..	..	..	(1) Head works ..	..	766
(4) Water-supply of towns ..	..	..	(2) Main canals and branches ..	..	1,249
(5) Receipts from plantations ..	..	..	(3) Distributaries ..	..	..
(6) Receipts from other canal produce ..	30	117	(4) Drainage and protective works ..	..	..
(8) Navigation receipts ..	..	..	(5) Special tools and plant ..	..	2,015
(9) Rents of buildings ..	..	..	Total ..	..	..
(10) Fines ..	..	13			
(11) Miscellaneous ..	..	6	II. MAINTENANCE AND REPAIRS—		
Deduct—Refunds ..	..	..	(1) Head works ..	..	7,495
Total, Revenue realized in the Public Works Department ..	24	129	(2) Main canals and branches ..	..	3,173
Revenue realized in Civil Department ..	1,957	61,602	(3) Distributaries ..	..	4,363
Total, Direct Receipts ..	1,981	61,731	(4) Drainage and protective works ..	..	..
			(5) Special tools and plant ..	..	..
II. INDIRECT RECEIPTS—			Add—Unclassifiable outlay ..	..	..
Share of Land Revenue collected in the Civil Department ..	..	..	Total ..	..	15,031
Total, Public Works and Civil Departments—Revenue ..	1,981	61,731	Total, Extensions and Improvements and Maintenance and Repairs ..	..	17,046
Total, Receipts ..	1,981	61,731	IV. ESTABLISHMENT ..	67	7,370
			V. TOOLS AND PLANT ..	..	76
			Deduct—Recoveries on Revenue account ..	..	100
			Total, Direct Charges ..	67	24,392
			Share of collection charges in the Civil Department ..	98	3,079
			Indirect charges ..	..	673
			Total, Direct and Indirect Charges ..	165	28,144
			Balance, net revenue ..	1,816	33,587
			Grand Total ..	1,981	61,731

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

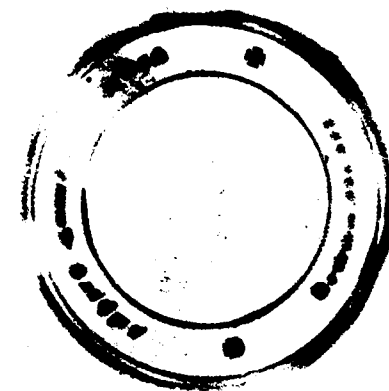
ATMAKUR TANK—Tank Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	1,37,020	Net revenue realized to end of 1939-1940 ..	31,771
Total interest charges for the year 1940-1941 ..	5,038	Net revenue realized during 1940-1941 ..	1,816
		Balance, net interest charges ..	1,08,471
Total ..	1,42,058	Total ..	1,42,058

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	10,802
Leave and pension allowances ..	..	2,626
Audit ..	..	16
Total ..	..	13,444
REVENUE—		
Leave and pension allowances ..	..	551
Audit and accounts ..	..	122
Total ..	..	673
Grand Total ..	..	14,117



ATMAKUR TANK—Tank Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.
	RS.	RS.	RS.			RS.
<i>Direct Charges.</i>						
Works ..	91,202	1,563	92,765	..	..	92,765
Establishment ..	18,749	442	19,191	..	..	19,191
Tools and plant ..	..	3	3	..	..	3
Suspense account ..	..	..	..	..	..	..
Total ..	1,09,951	2,008	1,11,959	..	..	1,11,959
<i>Less—Receipts on Capital account..</i>						
	..	..	..	..	..	..
Net Total ..	1,09,951	2,008	1,11,959	..	..	1,11,959
<i>Indirect Charges.</i>						
Capitalized abatement of land revenue ..	10,802	..	10,802	..	..	10,802
Leave and pension allowances ..	2,626	..	2,626	..	..	2,626
Audit and accounts ..	..	16	16	..	..	16
Total ..	13,428	16	13,444	..	..	13,444
Grand Total ..	1,23,379	2,024	1,25,403	..	..	1,25,403

The construction estimate of the project was closed on 31st August 1907 and the completion report approved in G.O. No. 74 I., dated 13th February 1914.

JANGAMAHESWARAPURAM TANK—Tank Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 207 of the Administrative Accounts for 1934-1935.]

IRRIGATION BRANCH.

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PUBLIC WORKS DEPARTMENT.

JANGAMAHESWARAPURAM TANK—Tank Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
RS.	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations ..	..	2	(1) Head works ..	..	177
6 Receipts from other canal produce.	..	1,376	(2) Main canal and branches ..	..	32
	..	..	(3) Distributaries ..	..	1,163
	..	..	(4) Drainage and protective works ..	..	..
	..	..	(5) Special tools and plant ..	..	..
11 Miscellaneous ..	..	14		..	1,372
	..	..	Total ..		
Total, Revenue realized in Public Works Department ..	2	1,392	II. MAINTENANCE AND REPAIRS—		
	..	..	(1) Head works ..	291	3,066
	..	..	(2) Main canals and branches ..	..	352
	..	..	(3) Distributaries ..	..	3,879
	..	..	(4) Drainage and protective works ..	..	467
	..	..	(5) Special tools and plant ..	..	..
Irrigation revenue realized in Civil Department ..	476	24,046	Add—Unclassifiable outlay ..		
	..	..		..	..
Total, Direct Receipts ..	478	25,438		291	7,764
II. INDIRECT RECEIPTS—			Total, Extensions and Improvements and Maintenance and Repairs.	291	9,136
Share of land revenue collected in the Civil Department ..	..	..	IV. ESTABLISHMENT ..	122	3,843
Total Public Works and Civil Department ..	..	..	V. TOOLS AND PLANT ..	1	—
ments—Revenue ..	..	..	VI. REFUNDS OF REVENUE ..	..	..
	..	..		..	..
	..	..	Total, Direct Charges ..	414	12,978
	..	..	Share of collection charges in the Civil Department ..	24	1,199
	..	..	Indirect charge ..	3	365
	..	..		..	..
	..	..	Total, Direct and Indirect Charges.	441	14,542
	..	..	Balance, net revenue ..	37	10,896
Total, Receipts ..	478	25,438		478	25,438

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ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

JANGAMAHESWARAPURAM TANK—Tank Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	77,790	Net revenue realized to end of 1939-1940 ..	10,859
Total interest charges for the year 1940-1941 ..	2,756	Net revenue realized during 1940-1941 ..	37
		Balance, net interest charges ..	69,650
Total ..	80,546		

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	9,194
Leave and pension allowances ..	..	1,217
Total ..	..	10,411
REVENUE—		
Leave and pension allowances ..	..	317
Audit and accounts ..	..	48
Total ..	3	365
Grand Total ..	3	10,776

PUBLIC WORKS DEPARTMENT.

JANGAMAHESWARAPURAM TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTION.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works	50,980	1,584	52,564	..	..	..	52,564
Establishment	8,352	337	8,689	..	..	..	8,689
Tools and plant	..	..	..	..	..	..	..
Suspense account	..	..	..	..	..	..	..
Total	59,332	1,921	61,253	..	..	..	61,253
Less—Receipts on Capital account.	..	..	..	..	..	..	..
Net Total	59,332	1,921	61,253	..	..	..	61,253
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue	9,194	..	9,194	..	..	..	9,194
Leave and pension allowances	1,170	..	1,217	..	..	..	1,217
Total	10,364	47	10,411	..	..	..	10,411
Grand Total	69,696	1,968	71,664	..	..	..	71,664

The construction estimate of the project was closed on 31st March 1908 and the completion report approved in G.O. No. 229 I., dated 23rd May 1914.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

ANAMASAMUDRAM-BERAPERU TANK—*Tank Project*.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 211 of the Administrative Accounts for 1934-1935.]

PUBLIC WORKS DEPARTMENT.

ANAMASAMUDRAM-BERAPERU TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	82,355	Net revenue realized to end of 1939-1940 ..	— 2,256
Total interest charges for the year 1940-1941 ..	3,226	Net revenue realized during 1940-1941 ..	773
		Balance, net interest charges ..	87,084
Total ..	85,581	Total ..	85,581

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.		During the year. RS.	To end of the year. RS.
CAPITAL—			
Capitalization of abatement of land revenue ..	..	..	30
Leave and pension allowances ..	..	..	1,856
Total ..	..	..	1,886
REVENUE—			
Leave and pension allowances ..	..	..	115
Audit and Accounts ..	..	6	118
Total ..	..	6	233
Grand Total ..	..	6	2,119

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

ANAMASAMUDRAM-BERAPERU TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				
Direct Charges.							
Works ..	..	..	..	..	..	..	58,421
Establishment ..	..	..	..	..	..	..	13,266
Tools and plant ..	..	..	..	..	..	..	..
Suspense account ..	..	..	..	..	..	..	..
Total ..	52,139	6,282	58,421	..	..	..	71,687
Less—Receipts on Capital account.	11,915	1,351	13,266	..	..	..	..
Net Total ..	64,054	7,633	71,687	..	..	..	71,687
Indirect Charges.							
Capitalized abatement of land revenue ..	..	..	..	..	..	..	30
Leave and pension allowances ..	..	..	..	..	..	..	1,856
Total ..	..	..	..	..	..	..	1,886
Grand Total ..	65,751	7,822	73,573	..	..	..	73,573

The construction estimate of the project was closed on 31st March 1910 and the completion report approved in G.O. No. 90 I., dated 5th March 1912.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 216 of the Administrative Accounts
for 1934-1935.]

HAJIPUTRAM TANK—Tank Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year. RS.	To end of the year. RS.		During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—					
6 Receipts from other canal produce.	..	101	I. EXTENSIONS AND IMPROVEMENTS—		
Miscellaneous	..	11,890	(1) Head works	..	1,258
			(2) Main canals and branches	..	..
			(3) Distributaries	..	130
			(4) Drainage and protective works.	..	..
			(5) Special tools and plant	..	..
			Total	..	1,388
Total, Revenue realized in Public Works Department	..	11,991	II. MAINTENANCE AND REPAIRS—		
Irrigation Revenue realized in Civil Department	5,396	81,210	(1) Head works	..	10,839
			(2) Main canals and branches	..	83
			(3) Distributaries	..	232
			(4) Drainage and protective works.	..	..
			(5) Special tools and plant	..	..
Total, Direct Receipts	5,396	93,201	Add—Unclassifiable outlay	..	..
			Total	..	11,154
II. INDIRECT RECEIPTS—					
Share of land revenue collected in the Civil Department	70	796	Total, Extensions and Improvements and Maintenance and Repairs	476	12,542
			IV. ESTABLISHMENT	208	5,351
			V. TOOLS AND PLANT	..	70
			VI. REFUNDS OF REVENUE	..	..
Total, Public Works and Civil Departments, Revenue	5,466	93,997	Total, Direct Charges	684	17,963
			Share of collection charges in the Civil Department	272	4,095
Total, Receipts	5,466		Indirect charges	5	368
			Total, Direct and Indirect Charges	981	22,446
			Balance, Net revenue	4,605	71,551
			Grand Total	5,466	93,997

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

HAJIPURAM TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	3,34,292	Net revenue realized to end of 1939-1940 ..	67,046
Total interest charges for the year 1940-1941 ..	12,545	Net revenue realized during 1940-1941 ..	4,505
		Balance, net interest charges ..	2,75,286
Total ..	3,46,837	Total ..	3,46,837

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	26,346
Leave and pension allowances ..	..	6,763
Total ..	..	33,109
REVENUE—		
Capitalization of abatement of land revenue ..	..	105
Leave and pension allowances ..	..	171
Audit and accounts ..	5	112
Total ..	5	388
Grand Total ..	5	33,497

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

HAJIPURAM TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works ..	..	..	..	..	..	..	2,30,686
Establishment ..	..	..	..	..	..	..	48,308
Tools and plant ..	..	..	..	..	..	..	..
Suspense account ..	..	..	..	..	..	..	..
Total ..	2,28,024	2,662	2,30,686	..	..	..	2,78,994
	47,880	428	48,308	..	..	..	220
	..	..	..	..	..	..	2,78,774
Less—Receipts on Capital account.	2,75,904	3,090	2,78,994	..	..	..	..
Net Total ..	220	..	220	..	..	..	..
	2,75,684	3,090	2,78,774	..	..	..	..
Indirect Charges.							
Capitalized abatement of land revenue ..	25,879	467	26,346	..	..	..	26,346
Leave and pension allowances ..	6,703	60	6,763	..	..	..	6,763
Total ..	32,582	527	33,109	..	..	..	33,109
Grand Total ..	3,08,266	3,617	3,11,883	..	..	..	3,11,883

The construction estimate of the project was closed on 31st March 1911 and the completion report approved in G.O. No. 31 I., dated 25th January 1912.

PONNALUR TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 220 of the Administrative Accounts
for 1934-1935.]PONNALUR TANK—*Tank Project—cont.*

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations ..	..	..	(1) Head works ..	3	10,474
6 Receipts from other canal produce ..	..	..	(2) Main canals and branches ..	..	..
11. Miscellaneous ..	..	176	(3) Distributaries ..	..	..
Recoveries of expenditure ..	..	1	(4) Drainage and protective works ..	..	..
Deduct—Refunds ..	..	22	(5) Special tools and plant ..	..	..
			Total ..	3	10,474
Total, Revenue realized in Public Works Department ..	..	155	II. MAINTENANCE AND REPAIRS—		
Irrigation revenue realized in Civil Department ..	4,309	1,37,026	(1) Head works ..	613	76,883
			(2) Main canals and branches ..	..	18,071
Total, Direct Receipts.	4,309	1,37,181	(3) Distributaries ..	..	..
			(4) Drainage and protective works ..	..	..
II. INDIRECT RECEIPTS—			(5) Special tools and plant ..	..	..
Share of land revenue collected in the Civil Department ..	..	..	Add—Unclassifiable outlay ..	..	..
Total, Public Works and Civil Departments, Revenue ..	4,309	1,37,181	Total ..	613	94,954
Net deficit, if any ..	— 3,232	7,898	Total, Extensions and Improvements and Maintenance and Repairs ..	616	1,05,428
			IV. ESTABLISHMENT ..	239	29,812
			V. TOOLS AND PLANT ..	1	283
			VI. REFUNDS OF REVENUE ..	..	..
			Total, Direct Charges ..	856	1,35,523
			Share of collection charges in the Civil Department ..	215	6,854
			Indirect charges ..	6	2,702
			Total, Direct and Indirect Charges ..	1,077	1,45,079
			Balance, net revenue.	..	..
Total ..	1,077	1,45,079	Grand total ..	1,077	1,45,079

PONNALUR TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	2,37,065	Net revenue realized to end of 1939-1940 ..	11,130
Total interest charges for the year 1940-1941 ..	8,684	Net revenue realized during 1940-1941 ..	3,232
		Balance, net interest charges ..	2,53,647
Total ..	2,45,749	Total ..	2,45,749

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	21,230
Leave and pension allowances ..	..	4,431
Audit and accounts ..	..	13
Total ..	..	25,674
REVENUE—		
Leave and pension allowances ..	..	2,186
Audit and accounts ..	..	516
Total ..	6	2,702
Grand total ..	6	28,376

PONNALUR TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Total. RS.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
Direct Charges.							
Works ..	1,39,349	21,914	1,61,263	..	..	..	1,61,263
Establishment ..	27,013	4,045	31,658	..	..	..	31,658
Tools and plant ..	..	54	54	..	..	..	54
Suspense account ..	..	..	..	..	..	..	..
Total ..	1,66,362	26,613	1,92,975	..	..	..	1,92,975
Less—Receipts on Capital account.	..	..	..	..	..	..	..
Net total ..	1,66,362	26,613	1,92,975	..	..	..	1,92,975
Indirect Charges.							
Capitalized abatement of land revenue ..	21,230	..	21,230	..	..	..	21,230
Leave and pension allowances ..	3,781	650	4,431	..	..	..	4,431
Audit and accounts ..	..	13	13	..	..	..	13
Total ..	25,011	663	25,674	..	..	..	25,674
Grand total ..	1,91,373	27,276	2,18,649	..	..	..	2,18,649

The construction estimate of the project was closed on 31st March 1911 and the completion report approved in G.O. No. 292 I., dated 18th September 1911.

MARKAPUR TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940–1941.

[Vide details on page 224 of the Administrative Accounts for 1934–1935.]

MARKAPUR TANK—*Tank Project*—cont.

No. 3.—Revenue Account for and to end of 1940–1941.

Receipts.	TOTAL.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS—				
5 Receipts from plantations ..	1	16	I. EXTENSIONS AND IMPROVEMENTS—	
6 Receipts from other canal produce ..	..	100	(1) Head works ..	872
11 Miscellaneous ..	..	311	(2) Main canals and branches ..	7,464
			(3) Distributaries ..	272
			(4) Drainage and protective works ..	..
			(5) Special tools and plant ..	..
Total, Revenue realized in Public Works Department ..	1	427	Total ..	8,608
Irrigation Revenue realized in Civil Department ..	8,798	1,43,806		
			II. MAINTENANCE AND REPAIRS—	
			(1) Head works ..	3,386
			(2) Main canals and branches ..	516
			(3) Distributaries ..	..
			(4) Drainage and protective works ..	..
			(5) Special tools and plant ..	..
			Total ..	3,902
			Total ..	74,996
			Total, Extensions and Improvements and Maintenance and Repairs ..	83,604
			IV. ESTABLISHMENT ..	28,174
			V. TOOLS AND PLANT ..	272
			VI. REFUNDS OF REVENUE ..	..
Total, Direct Receipts ..	8,799	1,44,033	Total, Direct Charges ..	1,12,050

No. 3.—Revenue Account for and to end of 1940-1941—cont.

Receipts.		TOTAL.	
During the year.	To end of the year.	During the year.	To end of the year.
RS.	RS.	RS.	RS.
I. INDIRECT RECEIPTS—			
Share of land revenue collected in the Civil Department	1	29	
Total, Public Works and Departments, Revenue ..	8,800	1,44,062	
Total, Receipts ..	8,800	1,44,062	
* Direct—			
Extensions and improvements ..		29	
Maintenance and repairs ..		213	
Establishment ..		84	
Tools and plant ..		1	
Indirect ..			
Total, Direct ..		327	
Total, Direct and Indirect ..		2	
Total, Direct and Indirect ..		329	

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	1,34,936	Net revenue realized to end of 1939-1940	28,234
Total interest charges for the year 1940-1941 ..	5,602	Net revenue realized during 1940-1941	3,131
		Balance, net interest charges	1,09,173
Total ..	<u>1,40,538</u>	Total ..	<u>1,40,538</u>

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	1,595
Leave and pension allowances	..	3,208
Audit and accounts	..	58
Total ..	..	4,859
REVENUE—		
Capitalization of abatement of land revenue ..	..	19
Leave and pension allowances	..	1,484
Audit and accounts	39	657
Total ..	39	2,160
Grand total ..	39	7,019

MARKAPUR TANK—Tank Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	
	RS.	RS.	RS.	RS.	RS.
<i>Direct Charges.</i>					
Works					
Establishment ..	94,107	7,267	..	..	1,01,374
Tools and plant ..	20,846	2,220	..	..	23,066
Suspense account ..	..	41	..	..	41
Total ..	1,14,953	9,528	..	..	1,24,481
Less—Receipts on Capital account.	..	..	..	..	..
Net total ..	1,14,953	9,528	..	..	1,24,481
<i>Indirect Charges.</i>					
Capitalized abatement of land revenue ..	..	1,595	..	..	1,595
Leave and pension allowances ..	2,918	288	..	..	3,206
Audit and accounts ..	..	58	..	..	58
Total ..	2,918	1,941	..	..	4,859
Grand total ..	1,17,871	11,469	..	..	1,29,340

The construction estimate of the project was closed on 31st March 1911 and the completion report approved in G.O. No. 289 I., dated 1st August 1912.

NAGAVALLI RIVER SYSTEM—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. WORKS—			
(1) Head works	..	4,71,344	4,71,344
(2) Main canals and branches ..	..	5,90,179	5,90,179
(3) Distributaries	264	2,72,636	2,72,685
(6) Special tools and plant ..	..	..	..
Maintenance during construction.	..	16,500	16,500
Total, Works ..	264	13,50,659	13,50,708
II. ESTABLISHMENT	97	2,83,290	2,83,471
III. TOOLS AND PLANT	3	93,517	93,543
V. LESS RECEIPTS ON CAPITAL ACCOUNT.	..	5,308	5,308
Net outlay in India and England ..	364	17,22,158	17,22,414

PUBLIC WORKS DEPARTMENT.

NAGAVALLI RIVER SYSTEM—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS—						
5 Receipts from plantations	..	192				2,762
6 Receipts from other canal produce	..	439				26,849
8 Navigation	..	..		481		18,265
9 Rents of buildings	..	62		..		..
10 Fines	..	..		..		..
11 Miscellaneous	..	117		..		..
Recoveries of expenditure	..	..		..		..
Deduct—Refunds	..	..		..		..
Total, Revenue realized in Public Works Department	618	19,353		481		47,876
II. MAINTENANCE AND REPAIRS—						
(1) Head works	..	..	4,685	..	1,25,687	..
(2) Main canals and branches	..	..	14,197	..	2,84,760	..
(3) Distributaries	..	..	220	..	66,924	..
(4) Drainage and protective works.	..	..	..	..	390	..
(5) Special tools and plant	..	..	..	..	..	..
Add—Unclassifiable outlay	..	..	..	..	..	..
Total	..	..	19,102	..	4,77,761	..
III. Total, Extensions and Improvements and Maintenance and Repairs.			19,583		5,25,637	
IV. ESTABLISHMENT			8,865		2,44,969	
V. TOOLS AND PLANT			238		6,997	
VI. REFUNDS OF REVENUE			..		281	
Total, Direct Receipts	52,689	18,16,517	28,686		7,77,884	

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

II. INDIRECT RECEIPTS—						
Shares of land revenue collected in the Civil Department	..	21,572	4,13,561	2,887	94,088	
Total, Public Works and Civil Departments, Revenue	..	74,261	22,30,078	196	19,147	
Total, Receipts	..	74,261	22,30,078	31,769	8,91,119	
* Direct—						
Extensions and improvements	..	..	..	4,021	1,01,642	
Maintenance and repairs	..	..	..	..	7,89,477	
Establishment	..	..	..	..	14,40,601	
Tools and plant	..	..	..	..	22,30,078	
Indirect	..	..	..	..	..	
Total, Direct and Indirect		..	..	..	..	
Share of collection charges in the Civil Department		..	..	..	..	
Indirect charges		..	..	..	..	
Total, Direct and Indirect Charges.		..	..	..	..	
Deduct—Old maintenance charges saved to Government *		..	..	..	..	
Net Total		..	..	..	..	
Balance, net revenue		..	..	..	..	
Grand Total		..	..	..	..	
Total, Receipts		..	..	..	..	
* Direct—						
Extensions and improvements	..	..	..	..	1,432	
Maintenance and repairs	..	..	..	..	1,462	
Establishment	..	..	..	..	1,063	
Tools and plant	..	..	..	..	35	
Indirect	..	..	..	..	..	
Total, Direct and Indirect		..	..	..	..	
Total, Direct and Indirect		..	..	..	..	

NAGAVALLI RIVER SYSTEM—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	18,40,980	Net revenue realized to end of 1939-1940 ..	13,94,088
Total interest charges for the year 1940-1941 ..	77,461	Net revenue realized during 1940-1941 ..	46,513
		Balance net interest charges ..	4,77,840
Total ..	19,18,441	Total ..	19,18,441

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	6,110
Leave and pension allowances ..	..	37,815
Audit and accounts ..	3	487
Total ..	3	44,282
REVENUE—		
Capitalization of abatement of land revenue ..	..	15,600
Leave and pension allowances ..	196	3,547
Audit and accounts ..	..	..
Total ..	196	19,147
Grand Total ..	199	63,629

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

NAGAVALLI RIVER SYSTEM—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Total. RS.	Charges to date. RS.	Amount of sanctioned estimate. RS.	Unspent balance of estimate. RS.	
Direct Charges.							
Works ..	12,24,720	1,24,445	13,49,165	1,494	1,543	49	13,50,659
Establishment ..	2,42,924	40,129	2,83,053	237	418	181	2,83,390
Tools and plant ..	93,355	157	93,512	5	31	26	93,517
Suspense account ..	..	..	..	..	..	..	..
Total ..	15,60,999	1,64,731	17,25,730	1,736	1,992	256	17,27,466
Less—Receipts on Capital account.	1,374	3,934	5,308	..	..	..	5,308
Net Total ..	15,59,625	1,60,797	17,20,422	1,736	1,992	256	17,22,158
Indirect Charges.							
Capitalized abatement of land revenue.	3,273	2,837	6,110	..	233	233	6,110
Leave and pension allowances ..	34,009	3,806	37,815	..	..	..	37,815
Audit and accounts ..	..	443	443	14	15	1	457
Total ..	37,282	7,086	44,368	14	248	234	44,382
Grand Total ..	15,96,907	1,67,883	17,64,790	1,750	2,240	490	17,66,540

The construction estimate of the project was closed on 31st December 1913 and the completion report approved in G.O. No. 71-I., dated 25th February 1920.

VENKATAPURAM TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 235 of the Administrative Accounts for 1934-1935.]

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

VENKATAPURAM TANK—*Tank Project*—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	
	During the year. RS.	To end of the year. RS.	During the year. RS.	To end of the year. RS.
I. DIRECT RECEIPTS—				
6. Receipts from other canal produce	..	..		
II. INDIRECT RECEIPTS—				
9. Revenue of buildings ..	..	..		
11. Miscellaneous ..	..	..		
Total, Revenue realized in Public Works Department ..	..	..		
Irrigation Revenue realized in Civil Department ..	1,808	18,541		
Total, Direct Receipts ..	1,808	18,541		
III. INDIRECT RECEIPTS—				
Share of land revenue collected in the Civil Department ..	38	380		
Total, Public Works and Civil Departments, Revenue ..	1,846	18,921		
Net deficit, if any ..	..	..		
Total ..	1,846	18,921		
I. EXTENSIONS AND IMPROVEMENTS—				
(1) Head works ..				185
(2) Main canals and branches ..				158
(3) Distributaries ..				..
(4) Drainage and protective works.				..
Total ..				343
II. MAINTENANCE AND REPAIRS—				
(1) Head works ..			462	8,981
(2) Main canals and branches ..			559	2,302
(3) Distributaries ..			..	..
(4) Drainage and protective works.			..	..
Total ..			1,021	11,283
Total, Extensions and Improvements and Maintenance and Repairs ..			1,021	11,626
IV. ESTABLISHMENT ..			395	5,142
V. TOOLS AND PLANT ..			2	57
VI. REFUNDS OF REVENUE ..			..	..
Total, Direct Charges ..			1,418	16,825
Share of collection charges in the Civil Department ..			92	943
Indirect Charges ..			10	448
Total, Direct and Indirect Charges.			1,520	18,216
Balance, net revenue ..			326	705
Grand Total ..			1,846	18,921

VENKATAPURAM TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	3,66,624	Net revenue realized to end of 1939-1940 ..	379
Total interest charges for the year 1940-1941 ..	16,751	Net revenue realized during 1940-1941 ..	326
		Balance, net interest charges ..	3,82,670
Total ..	3,83,375	Total ..	3,83,375

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

* Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	3,635
Leave and pension allowances ..	..	9,034
Audit and accounts ..	..	2
Total ..	..	12,671
REVENUE—		
Capitalization of abatement of land revenue ..	..	343
Leave and pension allowances ..	..	106
Audit and accounts ..	10	448
Total ..	10	448
Grand Total ..	10	13,119

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

VENKATAPURAM TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
<i>Direct Charges.</i>							
Works ..	3,00,808	3,186	3,03,994	..	..	..	3,03,994
Establishment ..	62,353	2,186	64,539	..	..	..	64,539
Tools and plant ..	4,205	31	4,236	..	..	..	4,236
Suspense account ..	..	..	..	..	..	..	..
Total ..	3,67,366	5,403	3,72,769	..	..	..	3,72,769
Less—Receipts on Capital Account.	519	..	519	..	..	..	519
Net Total ..	3,66,847	5,403	3,72,250	..	..	..	3,72,250
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	3,627	8	3,635	..	..	..	3,635
Leave and pension allowances ..	8,728	306	9,034	..	..	..	9,034
Audit and accounts ..	..	2	2	..	..	..	2
Total ..	12,355	316	12,671	..	..	..	12,671
Grand Total ..	3,79,202	5,719	3,84,921	..	..	..	3,84,921

The construction estimate of the project was closed on 31st March 1918 and the completion report approved in G.O. No. 92 I., dated 11th March 1920.

BHAVANASI TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 239 of the Administrative Accounts for 1934-1935.]

ADMINISTRATIVE ACCOUNTS.
FOR THE YEAR 1940-41.BHAVANASI TANK—*Tank Project—cont.*
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.		TOTAL.	
	During the year.	To end of the year.	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.		RS.	RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—			
5 Receipts from plantations ..	..	..	(1) Head works ..	..	..	734
6 Receipts from other canal produce.	23	595	(2) Main canals and branches ..	..	..	272
			(3) Distributaries ..	90	4,533	
			(4) Drainage and protective works ..	..	..	..
			(5) Special tools and plants ..	..	..	..
			Total ..	90	5,539	
Recoveries of expenditure ..	..	..	II. MAINTENANCE AND REPAIRS—			
11 Miscellaneous ..	..	3	(1) Head works ..	1,100	13,618	
			(2) Main canals and branches ..	..	25,292	
Total, Revenue realized in Public Works Department ..	23	829	(3) Distributaries ..	..	6,166	
			(4) Drainage and protective works ..	..	1,463	
			(5) Special tools and plant ..	..	..	..
			Add—Unclassifiable outlay ..	..	..	..
Irrigation revenue realized in Civil Department ..	5,129	94,762	Total ..	1,100	46,539	
			Total, Extensions and Improvements and Maintenance and Repairs ..	1,190	52,078	
Total, Direct Receipts ..	5,152	95,591	IV. ESTABLISHMENT ..	490	20,733	
II. INDIRECT RECEIPTS—			V. TOOLS AND PLANT ..	2	236	
Share of land revenue collected in the Civil Department ..	..	..	VI. REFUNDS OF REVENUE ..	..	..	..
			Deduct—Recoveries on Revenue account.	..	..	400
			Total, Direct Charges ..	1,682	72,707	
Total, Public Works and Civil Department, Revenue ..	5,152	95,591	Share of collection charges in the Civil Department ..	256	4,736	
			Indirect charges ..	12	1,778	
			Total, Direct and Indirect charges ..	1,950	79,221	
			Balance, net revenue ..	3,202	16,370	
			Grand Total ..	5,152	95,591	

BHAVANASI TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	2,43,464	Net revenue realized to end of 1939-1940 ..	13,168
Total interest charges for the year 1940-1941 ..	11,448	Net revenue realized during 1940-1941 ..	3,202
		Balance, net interest charges	2,38,542
Total ..	2,54,912	Total ..	2,54,912

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	5,027
Leave and pension allowances ..	..	6,034
Audit and accounts ..	..	35
Total ..	..	11,096
REVENUE—		
Capitalization of abatement of land revenue ..	..	1,282
Leave and pension allowances ..	..	496
Audit and accounts ..	12	..
Total ..	12	1,778
Grand Total ..	12	12,874

BHAVANASI TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
Direct Charges.	RS.	RS.	RS.				
Works ..	1,82,434	3,445	1,85,879	..	..	..	1,85,879
Establishment ..	41,653	1,450	43,103	..	..	..	43,103
Tools and plant ..	25,660	50	25,710	..	..	..	25,710
Suspense account ..	..	..	..	..	..	..	..
Total ..	2,49,747	4,945	2,54,692	..	..	..	2,54,692
Less—Receipts on Capital account.	166	131	297	..	..	..	297
Net Total ..	2,49,581	4,814	2,54,395	..	..	..	2,54,395
Indirect Charges.							
Capitalized abatement of land revenue ..	5,027	..	5,027	..	..	..	5,027
Leave and pension allowances ..	5,831	203	6,034	..	..	..	6,034
Audit and accounts ..	..	35	35	..	..	..	35
Total ..	10,858	238	11,096	..	..	..	11,096
Grand Total ..	2,60,439	5,052	2,65,491	..	..	..	2,65,491

The construction estimate of the project was closed on 31st March 1919 and the completion report approved in G.O. No. 138 L, dated 2nd May 1921.

YELLANUR TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 243 of the Administrative Accounts for 1934-1935.]

YELLANUR TANK—*Tank Project—cont.*

No. 3.—Revenue Account for and to end of 1940-1941.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
I. DIRECT RECEIPTS—	RS.	RS.	I. EXTENSIONS AND IMPROVEMENTS—	RS.	RS.
6 Receipts from other canal produce.	..	..	(1) Head works	..	..
Recoveries of expenditure ..	..	1	(2) Main canals and branches ..	..	..
9 Rents of buildings	..	..	(3) Distributaries	..	19
11 Miscellaneous	..	..	(4) Drainage and protective works ..	..	..
Total, Revenue realized in Public Works Department	..	1	(5) Special tools and plant ..	..	..
Irrigation—Revenue realized in Civil Department	1,851	53,249	Total ..	..	19
II. INDIRECT RECEIPTS—	1,851	53,250	II. MAINTENANCE AND REPAIRS—	..	..
Total, Direct Receipts ..	1,851	53,250	(1) Head works	3,521	7,890
Share of land revenue collected in the Civil Department	1,104	16,127	(2) Main canals and branches ..	..	8,346
Total, Public Works and Civil Departments—Revenue	2,955	69,377	(3) Distributaries	..	242
			(4) Drainage and protective works ..	..	27
			(5) Special tools and plant ..	..	..
			Total ..	3,521	16,505
			Total, Extensions and Improvements and Maintenance and Repairs ..	3,521	16,524
			IV. ESTABLISHMENT	1,312	7,103
			V. TOOLS AND PLANT	7	45
			VI. REFUNDS OF REVENUE	..	..
			Total, Direct Charges ..	4,840	23,672
			Share of collection charges in the Civil Department	123	2,999
			Indirect charges	35	346
			Total, Direct and Indirect Charges ..	4,998	27,017
			Balance, net revenue ..	— 2,043	42,360
Total, Receipts ..	2,955	69,377	Grand Total ..	2,955	69,377

PUBLIC WORKS DEPARTMENT.

YELLANUR TANK—Tank Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	2,41,506	Net revenue realized to end of 1939-1940	44,403
Total interest charges for the year 1940-1941 ..	10,764	Net revenue realized during 1940-1941	— 2,043
		Balance, net interest charges.	2,09,910
Total ..	<u>2,52,270</u>	Total ..	<u>2,52,270</u>

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	24,753
Leave and pension allowances ..	..	5,762
Total ..	..	30,515
REVENUE—		
Leave and pension allowances ..	..	185
Audit and account ..	..	161
Total ..	35	346
Grand Total ..	35	30,861

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.YELLANUR TANK—Tank Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate. RS.	Expenditure against open canal sanction. RS.	Charges to date.	Amount of sanctioned estimate.	
Direct Charges.					
Works ..	1,83,348	7,944	..	..	1,91,292
Establishment ..	40,150	1,006	..	..	41,156
Tools and plant ..	7,072	15	..	..	7,087
Suspense account ..	..	..	..	..	..
Total ..	2,30,570	8,965	..	..	2,39,535
Less—Receipts on Capital account.	..	343	..	..	343
Net Total ..	2,30,570	8,622	..	..	2,39,192
Indirect Charges.					
Capitalized abatement of land revenue ..	24,753	..	..	..	24,753
Leave and pension allowances ..	5,621	141	..	..	5,762
Total ..	30,374	141	..	..	30,515
Grand Total ..	2,60,944	8,763	..	..	2,69,707

The construction estimate of the project was closed on 31st March 1919 and the completion report approved in G.O. No. 6 I., dated 7th January 1921.

PANJAPATTI RESERVOIR—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 247 of the Administrative Accounts
for 1934-1935.]PANJAPATTI RESERVOIR—*Tank Project—cont.*

No. 3.—Revenue Account for and to end of 1940-1941.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

Receipts.	Total.		Charges.	Total.	
	During the year.	To end of the year.		During the year.	To end of the year.
		RS.			RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
5 Receipts from plantations ..	..	..	(1) Head works ..	..	1,594
6 Receipts from other canal produce ..	..	920	(2) Main canals and branches ..	..	..
9 Rents of buildings ..	..	51	(3) Distributaries ..	..	..
11 Miscellaneous ..	..	108	(4) Drainage and protective works ..	..	..
			(5) Special tools and plant ..	..	..
Total, Revenue realized in Public Works Department ..	..	1,079	Total ..	..	1,594
Irrigation revenue realized in Civil Department ..	..	8,393	II. MAINTENANCE AND REPAIRS—		
			(1) Head works ..	..	4,027
			(2) Main canals and branches ..	..	433
			(3) Distributaries ..	..	446
			(4) Drainage and protective works ..	..	..
			(5) Special tools and plant ..	..	..
			Total ..	..	4,906
Total, Direct Receipts ..	..	9,472	Total, Extensions and Improvements and Maintenance and Repairs ..	..	6,500
II. INDIRECT RECEIPTS—			IV. ESTABLISHMENT ..	..	2,259
Share of land revenue collected in the Civil Department ..	..	4,813	V. TOOLS AND PLANT ..	..	19
Total, Public Works and Civil Department—Revenue ..	..	14,285	VI. REFUNDS OF REVENUE ..	..	..
Total, Receipts ..	..	14,285	Total, Direct Charges ..	..	8,778
			Share of collection charges in the Civil Department ..	..	423
			Indirect charges ..	..	87
			Total, Direct and Indirect Charges ..	..	9,288
			Balance, net revenue ..	..	4,997
			Grand Total ..	..	14,285

PANJAPATTI RESERVOIR—*Tank Project*—cont.

No. 4.—Indirect Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-40 ..	3,06,650	Net revenue realized to end of 1939-40 ..	4,997
Total interest charges for the year 1940-41 ..	14,750	Net revenue realized during 1940-41 ..	..
		Balance, net interest charges ..	3,16,403
Total ..	3,21,400	Total ..	3,21,400

No. 5.—Accounts of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	5,396
Leave and pension allowances	..	6,077
Audit and accounts	..	22
Total ..	..	11,495
REVENUE—		
Capitalization of abatement of land revenue ..	..	..
Leave and pension allowances	..	23
Audit and account	..	64
Total ..	..	87
Grand Total ..	..	11,582

PANJAPATTI RESERVOIR—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions. RS.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
<i>Direct Charges.</i>	RS.	RS.	RS.				
Works ..	2,24,998	..	2,24,998	..	..	..	2,24,998
Establishment ..	43,411	..	43,411	..	..	..	43,411
Tools and plant ..	60,075	..	60,075	..	..	..	60,075
Suspense account ..	..	..	..	..	..	..	..
Total ..	3,28,484	..	3,28,484	..	..	..	3,28,484
<i>Less—Receipts on Capital Account.</i>	703	..	703	..	..	..	703
Net Total ..	3,27,781	..	3,27,781	..	..	..	3,27,781
<i>Direct Charges.</i>							
Capitalized abatement of land revenue ..	5,396	..	5,396	..	..	..	5,396
Leave and pension allowances ..	6,077	..	6,077	..	..	..	6,077
Audit and accounts ..	22	..	22	..	..	..	22
Total ..	11,495	..	11,495	..	..	..	11,495
Grand Total ..	3,39,276	..	3,39,276	..	..	..	3,39,276

The construction estimate of the project was closed on 30th June 1919 and the completion report approved in G.O. No. 1244 I, dated 15th April 1930.

SIDDAPUR TANK—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 251 of the Administrative Accounts for 1934-1935.]

SIDDAPUR TANK—*Tank Project—cont.*

No. 3.—Revenue Account for and to end of 1940-1941.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

Receipts.	TOTAL.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS—				
5 Receipts from plantations ..	..	..	I. EXTENSIONS AND IMPROVEMENTS—	
6 Receipts from other canal produce.	..	..	(1) Head works ..	..
11 Miscellaneous ..	..	..	(2) Main canals and branches ..	264
			(3) Distributaries ..	2,582
			(4) Drainage and protective works.	..
			(5) Special tools and plant ..	..
			Total ..	2,846
Total, Revenue realized in Public Works Department ..	..	..	II. MAINTENANCE AND REPAIRS—	
Irrigation Revenue realized in Civil Department ..	6,111	59,140	(1) Head works ..	476
Total, Direct Receipts ..	6,111	59,140	(2) Main canals and branches ..	110
			(3) Distributaries ..	..
			(4) Drainage and protective works.	..
			(5) Special tools and plant ..	..
			Total ..	586
II. INDIRECT RECEIPTS—			Total, Extensions and Improvements and Maintenance and Repairs ..	586
Share of land revenue collected in the Civil Department ..	..	..	IV. ESTABLISHMENT ..	323
Total, Public Works and Civil Departments, Revenue ..	6,111	59,140	V. TOOLS AND PLANT ..	1
			VI. REFUNDS OF REVENUE ..	..
			Total, Direct Charges ..	910
			Share of collection charges in the Civil Department ..	306
			Indirect Charges ..	6
			Total, Direct and Indirect Charges.	1,222
			Balance, net revenue ..	4,869
Total ..	6,111	59,140	Grand Total ..	59,140

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

SIDDAPUR TANK—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	7,35,338	Net revenue realized to end of 1939-1940 ..	24,212
Total interest charges for the year 1940-1941 ..	35,597	Net revenue realized during 1940-1941 ..	4,889
		Balance, net interest charges ..	7,41,834
Total ..	7,70,935	Total ..	7,70,935

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	..
Leave and pension allowances ..	..	13,475
Audit and accounts ..	..	— 27
Total ..	..	13,448
REVENUE—		
Capitalization of abatement of land revenue ..	..	..
Leave and pension allowances ..	..	466
Audit and accounts ..	6	175
Total ..	6	641
Grand Total ..	6	14,089

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

SIDDAPUR TANK—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanction.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works ..	5,35,737	12,986	5,22,751	..	..	..	5,22,751
Establishment ..	1,06,156	9,901	96,255	..	..	..	96,255
Tools and plant ..	1,72,598	124	1,72,474	..	..	..	1,72,474
Suspense account ..	..	..	..	..	..	..	..
Total ..	8,14,491	23,011	7,91,480	..	..	..	7,91,480
Less—Receipts on capital account.	295	147	442	..	..	..	442
Net Total ..	8,14,196	23,158	7,91,038	..	..	..	7,91,038
Indirect Charges.							
Capitalized abatement of land revenue ..	14,861	1,386	13,475	..	..	..	13,475
Leave and pension allowances ..	..	27	— 27	..	..	..	— 27
Audit and accounts ..	..	..	..	..	..	..	..
Total ..	14,861	1,413	13,448	..	..	..	13,448
Grand Total ..	8,29,057	24,571	8,04,486	..	..	..	8,04,486

The construction estimate of the project was closed on 31st October 1919 and the completion report approved in G.O. No. 204 I., dated 22nd July 1922.

NAGAVARAM ANICUT AND SUPPLY CHANNEL—*Tank Project.*
No. 2.—Capital Account for and to end of 1940-1941.
[Vide details on page 255 of the *Administrative Accounts*
for 1934-1935.]

**ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.**

MADRAS PRESIDENCY.

NAGAVARAM ANICUT AND SUPPLY CHANNEL—Tank Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
I. DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
6 Receipts from other canal produce.	1	1	(1) Head works	..	..
			(2) Main canals and branches	..	..
			(3) Distributaries	..	..
			(4) Drainage and protective works	..	..
			(5) Special tools and plant	..	..
			Total	..	..
9 Rents of buildings	..	..	II. MAINTENANCE AND REPAIRS—		
11 Miscellaneous	..	56	(1) Head works	383	4,208
Recoveries of expenditure	..	37	(2) Main canals and branches	..	490
Total, Revenue realized in Public Works Department	1	94	(3) Distributaries	..	..
			(4) Drainage and protective works	..	..
			(5) Special tools and plant	..	..
			Add—Unclassifiable outlay	..	..
			Total	383	4,698
Irrigation Revenue realized in Civil Department	1,936	31,680	Total, Extensions and Improvements and Maintenance and Repairs	383	4,698
			IV. ESTABLISHMENT	98	1,997
			V. TOOLS AND PLANT	..	6
Total, Direct Receipts	1,937	31,774	VI. REFUNDS OF REVENUE	..	..
			Total, Direct Charges	481	6,701
II. INDIRECT RECEIPTS—			Share of collection-charges in the Civil Department	104	1,663
Share of Land Revenue collected in the Civil Department	1,017	5,090	Indirect Charges	4	46
Total, Public Works and Civil Departments, Revenue	2,954	36,864	Total, Direct and Indirect Charges. Balance, net revenue	599	8,410
				2,365	28,454
Total, Receipts	2,954	36,864	Grand Total	2,954	36,864

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

NAGAVARAM ANICUT AND SUPPLY CHANNEL—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	99,629	Net revenue realized to end of 1939-1940 ..	26,089
Total interest charges for the year 1940-1941 ..	4,828	Net revenue realized during 1940-1941 ..	2,365
		Balance, net interest charges	76,003
Total ..	<u>1,04,457</u>	Total ..	<u>1,04,457</u>

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	..
Leave and pension allowances	..	2,595
Total ..	..	<u>2,595</u>
REVENUE—		
Audit and accounts	4	46
Total ..	4	<u>46</u>
Grand Total ..	<u>4</u>	<u>2,641</u>

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

NAGAVARAM ANICUT AND SUPPLY CHANNEL—*Tank Project*—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.				RS.
Direct Charges.						
Works ..	88,757	..	..	..	..	88,757
Establishment ..	18,538	..	..	..	..	18,538
Tools and plant ..	..	..	..	..	..	..
Suspense account ..	..	..	..	..	..	..
Total ..	<u>1,07,295</u>	<u>..</u>	..	..	..	<u>1,07,295</u>
Less—Receipts on capital account.	..	..	..	..	..	..
Net total ..	<u>1,07,295</u>	<u>..</u>	..	..	..	<u>1,07,295</u>
Indirect Charges.						
Capitalized abatement of land revenue ..	..	..	..	..	..	..
Leave and pension allowances ..	2,595	..	..	..	..	2,595
Total ..	<u>2,595</u>	<u>..</u>	..	..	..	<u>2,595</u>
Grand Total ..	<u>1,09,890</u>	<u>..</u>	..	..	..	<u>1,09,890</u>

The construction estimate of the project was closed on 31st December 1919 and the completion report approved in G.O. No. 53 I., dated 14th February 1921.

MOPAD PROJECT—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 246 of the Administrative Accounts for 1938-1939.]

MOPAD PROJECT—Canal Project—cont.

No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	Total.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
I. DIRECT RECEIPTS—	RS.	RS.	RS.	RS.
3 Sales of water	..	68	..	3,169
5 Plantations	..	22	..	28,961
6 Receipts from other canal produce. ..	18	298	357	4,226
9 Rent of buildings	113	2,231	..	..
II. Miscellaneous	..	2,961	..	..
Recoveries of expenditure	..	659	..	..
Deduct—Refunds	3	139	..	..
Total, Revenue realized in the Public Works Department	128	6,100	357	34,356
III. Indirect Receipts—	RS.	RS.	RS.	RS.
Revenue realized in Civil Department	39,299	5,43,448	1,106	50,047
Total, Direct Receipts	39,427	5,49,548	2,427	51,933
IV. Indirect Receipts—	RS.	RS.	RS.	RS.
Shares of Revenue collected in the Civil Department	5,170	99,216	1,167	32,071
Total, Public Works and Civil Departments, Revenue	44,597	6,41,764	4,700	1,34,051
Total, Receipts	44,597	6,41,764	5,057	1,68,407
Charges—	RS.	RS.	RS.	RS.
I. EXTENSIONS AND IMPROVEMENTS—	RS.	RS.	RS.	RS.
(1) Head works	..	..	..	..
(2) Main canals and branches	..	..	..	..
(3) Distributaries	..	..	..	..
(4) Drainage and protective works. ..	..	..	..	..
(5) Special tools and plant	..	..	..	..
Total	357	34,356	357	34,356
II. MAINTENANCE AND REPAIRS—	RS.	RS.	RS.	RS.
(1) Head works	..	..	..	..
(2) Main canals and branches	..	..	..	..
(3) Distributaries	..	..	..	..
(4) Drainage and protective works. ..	..	..	..	..
(5) Special tools and plant	..	..	..	..
Total	4,700	1,34,051	4,700	1,34,051
Total, Extensions and Improvements and Maintenance and Repairs	5,057	1,68,407	5,057	1,68,407
IV. ESTABLISHMENT	1,683	59,083	1,683	59,083
V. TOOLS AND PLANT	8	920	8	920
VI. RECOVERIES ON REVENUE ACCOUNT.	..	16	..	16
Total, Direct Charges	6,748	2,28,394	6,748	2,28,394
Share of collection charges in the Civil Department	1,998	27,530	1,998	27,530
Indirect charges	50	2,811	50	2,811
Total, Direct and Indirect Charges ..	8,796	2,58,735	8,796	2,58,735
Balance, net revenue	36,801	3,83,029	36,801	3,83,029
Grand Total	44,597	6,41,764	44,597	6,41,764

MOPAD PROJECT—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

Amount. RS.	Amount. RS.
Total interest charges to end of 1939-1940 .. 22,08,301	Net revenue realized to end of 1939-1940 .. 3,47,228
Total interest charges for the year 1940-1941 .. 98,736	Net revenue realized during 1940-1941 .. 35,801
	Balance, net interest charges .. 19,24,008
Total .. 23,07,037	Total .. 23,07,037

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
CAPITAL—	RS.	RS.
Capitalization of abatement of land revenue	..	51,698
Leave and pension allowances	..	44,856
Audit and accounts	..	125
Total	..	96,429
REVENUE—		
Capitalization of abatement of land revenue	..	1,124
Leave and allowances	..	1,685
Audit and accounts	50	..
Total	50	2,811
Grand Total	50	99,240

MOPAD PROJECT—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	
	RS.	RS.	RS.		RS.
Direct Charges.					
Works	16,66,575	641	..	..	16,67,216
Establishment	3,20,381	229	..	..	3,20,610
Tools and plant	2,34,213	1	..	..	2,34,214
Suspense account	..	..	..	..	..
Total	22,21,169	871	..	..	22,22,040
Less—Receipts on capital account.	27,894	..	..	..	27,894
Net Total	21,93,275	871	..	..	21,94,146
Indirect Charges.					
Capitalized abatement of land revenue	51,698	..	..	..	51,698
Leave and pension allowances	44,856	7	..	..	44,863
Audit and accounts	132	..	..	..	132
Total	96,422	7	..	..	96,429
Grand Total	22,89,697	878	..	..	22,90,575

The construction estimate of the project was closed on 30th April 1921 and the completion report approved in G.O. No. 1373 I., dated 23rd May 1923.

KANNIYAMPALAYAM ANICUT—*Tank Project.*

No. 2.—Capital Account for and to end of 1940-1941.
[Vide details on page 263 of the Administrative Accounts for 1934-1935.]

KANNIYAMPALAYAM ANICUT—*Tank Project—cont.*

No. 3.—Revenue Account for and to end of 1940-1941.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

Receipts.	Total.		Charges.	
	During the year.	To end of the year.	During the year.	To end of the year.
	RS.	RS.	RS.	RS.
I. DIRECT RECEIPTS.				
1 Water-rates	4,000	68,000	I. EXTENSIONS AND IMPROVEMENTS—	
6 Receipts from other canal produce	..	..	(1) Head works	248
9 Rent of buildings	..	..	(2) Main canals and branches	..
11 Miscellaneous	..	3	(3) Distributaries	..
Total, Revenue realized in the Public Works Department	4,000	68,003	(4) Drainage and protective works	..
Irrigation Revenue realized in Civil Department	..	..	(5) Special tools and plant	..
Total, Direct receipts	4,000	68,172	Total	248
II. INDIRECT RECEIPTS.			II. MAINTENANCE AND REPAIRS—	
Share of Land Revenue collected in the Civil Department	..	169	(1) Head works	598
Total, Public Works and Civil Departments, Revenue	4,000	68,172	(2) Main canals and branches	..
			(3) Distributaries	..
			(4) Drainage and protective works	..
			(5) Special tools and plant	..
			Add—Unclassifiable outlay	..
			Total	598
			Total, Extensions and Improvements and Maintenance and Repairs	598
			IV. ESTABLISHMENT	197
			V. TOOLS AND PLANT	3
			VI. REFUNDS AND REVENUE	..
			Total, Direct charges	798
			Share of collection charges in the Civil Department	..
			Indirect charges	6
			Total, Direct and Indirect charges	804
			Balance, Net revenue	3,196
			Grand Total	4,000
				68,172

IRRIGATION BRANCH:

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PUBLIC WORKS DEPARTMENT.

KANNIAMPALAYAM ANICUT—*Tank Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

Amount.	Amount.
RS.	RS.
Total interest charges to end of 1939-1940 .. 1,21,218	Net revenue realized to end of 1939-1940 .. 5,308
Total interest charges for the year 1940-1941. 4,825	Net revenue realized during 1940-1941 .. 3,196
	Balance, net interest charges .. 1,17,539
Total .. 1,26,043	Total .. 1,26,043

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	..
Leave and pension allowances ..	..	..
Audit and accounts ..	..	3,787
		66
Total ..	..	3,853
REVENUE—		
Capitalization of abatement of land revenue ..	..	..
Leave and pension allowances ..	..	..
Audit and accounts ..	6	576
		458
Total ..	6	1,034
Grand Total ..	6	4,887

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

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MADRAS PRESIDENCY.

KANNIAMPALAYAM ANICUT—*Tank Project*—cont.

No. 6.—Statement comparing charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Charges to date.	Amount of sanctioned estimate.	
	RS.	RS.			RS.
Direct Charges.					
Works ..	92,266	5,125	..	..	97,391
Establishment ..	25,172	1,863	..	..	27,035
Tools and plant ..	453	42	..	..	495
Suspense account ..	..	..	..	..	..
Total ..	1,17,891	7,030	..	..	1,24,921
Less—Receipts on capital account.	..	17,700	..	..	17,700
Net Total ..	1,17,891	— 10,670	..	..	1,07,221
Indirect Charges.					
Capitalized abatement of land revenue ..	..	..	..	..	..
Leave and pension allowances ..	3,525	262	..	..	3,787
Audit and accounts ..	15	51	..	..	66
Total ..	3,540	313	..	..	3,853
Grand Total ..	1,21,431	— 10,357	..	..	1,11,074

The construction estimate of the project was closed on 31st March 1922 and the completion report approved in G.O. No. 190 I., dated 31st March 1926.

PUBLIC WORKS DEPARTMENT.

THIPPAYAPALEM PROJECT—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. WORKS—			
(1) <i>Head Works—</i>			
B. Land	13	35,259	35,246
C. Works	..	1,11,041	1,11,045
K. Buildings	..	6,350	6,350
L. Earthwork	2,671	2,37,154	2,40,632
O. Miscellaneous Unforeseen works	3,806	21,301	19,685
P. Maintenance	384	1,786	1,550
Total	1,532	4,12,891	4,14,508
(2) <i>Main Canals and Branches—</i>			
A. Preliminary expenses	..	475	475
B. Land	..	6,273	6,273
E. Falls and weirs	..	1,997	2,000
F. (1) Other cross drainage works	..	7,786	7,750
G. Bridges	..	2,679	2,680
L. Earth work	..	7,302	7,202
O. Miscellaneous	..	1,671	1,670
Total	..	28,083	28,050
(6) <i>Special tools and plant ..</i>	..	..	..
Total, Works	1,532	4,40,974	4,42,558
II. ESTABLISHMENT	534	1,30,822	1,20,265
III. TOOLS AND PLANT	3	966	8,851
Grand Total	2,069	5,72,762	5,71,674
V. <i>Less—RECEIPTS ON CAPITAL ACCOUNT.</i>	..	656	..
Net outlay in India and England	2,069	5,72,106	5,71,674

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

THIPPAYAPALEM PROJECT—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	Charges.		Total.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. DIRECT RECEIPTS—			
Receipts from other canal produce.	..	..	..
Miscellaneous	..	..	..
Total, Revenue realized in Public Works Department	10,139	19,555	29,694
Irrigation Revenue realized in Civil Department	10,139	19,555	29,694
Total, Direct Receipts	10,139	19,555	29,694
II. INDIRECT RECEIPTS—			
Share of land revenue collected in the Civil Department	..	..	..
Total, Public Works and Civil Departments, Revenue	10,139	19,555	29,694
Total, Receipts	10,139	19,555	29,694
I. EXTENSIONS AND IMPROVEMENTS—			
(1) Head works	..	..	..
(2) Main canals and branches	..	..	..
(3) Distributaries	..	..	..
(4) Drainage and protective works	..	..	..
(5) Special tools and plant	..	..	..
Total	..	..	..
II. MAINTENANCE AND REPAIRS—			
(1) Head works	..	..	..
(2) Main canals and branches	..	..	..
(3) Distributaries	..	..	..
(4) Drainage and protective works	..	..	..
(5) Special tools and plant	..	..	..
Add—Unclassified outlay	..	..	..
Total	..	..	..
Total, Extensions and Improvements and Maintenance and Repairs	..	..	..
IV. ESTABLISHMENT	..	..	..
V. TOOLS AND PLANT	..	..	..
VI. REFUNDS OF REVENUE	..	..	..
Total, Direct Charges	..	..	..
Share of collection charges in the Civil Department	..	..	..
Indirect charges	..	..	..
Total, Direct and Indirect Charges.	..	..	..
Balance, net revenue	..	..	..
Grand Total	..	..	..

IRRIGATION BRANCH.

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PUBLIC WORKS DEPARTMENT.

THIPPAYAPALEM PROJECT—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount. RS.		Amount. RS.
Total interest charges to end of 1939-1940 ..	1,53,899	Net revenue realized to end of 1939-1940 ..	8,923
Total interest charges for the year 1940-1941 ..	25,427	Net revenue realized during 1940-1941 ..	9,578
		Balance, net interest charges ..	1,60,825
Total ..	1,79,326	Total ..	1,79,326

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	4,919
Leave and pension allowances	..	2,688
Audit and accounts	..	4,413
Total	15	12,019
REVENUE—		
Capitalization of abatement of land revenue	..	..
Leave and pension allowances	..	..
Audit and accounts	..	..
Total	..	..
Grand Total	15	12,019

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

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MADRAS PRESIDENCY.

THIPPAYAPALEM PROJECT—Canal Project—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Charges to date.	Amount of sanctioned estimate.	
	RS.	RS.	RS.	RS.	
Direct Charges.					
Works ..	..	..	4,40,974	4,42,558	1,584
Establishment ..	..	..	1,30,822	1,20,265	10,557
Tools and plant ..	..	..	966	8,851	7,885
Suspense account ..	..	..	..	..	..
Total ..	..	..	5,72,762	5,71,674	1,088
Less—Receipts on Capital account.	..	..	656	..	656
Net Total ..	..	..	5,72,106	5,71,674	432
Indirect Charges.					
Capitalized abatement of land revenue ..	..	..	4,919	17,800	12,881
Leave and pension allowances ..	..	..	2,688	..	2,688
Audit and accounts ..	..	..	4,413	4,426	14
Total ..	..	..	12,019	22,226	10,207
Grand Total ..	..	..	5,84,125	5,93,900	9,775

IRRIGATION BRANCH.

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PUBLIC WORKS DEPARTMENT.

BASAVANNAH CHANNEL.

No. 2.—Capital Account for and to end of 1940-41.

Heads of account.	DIRECT CHARGES		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	
I. WORKS—			
(1) Head Works—			
C. Works	..	14,055	14,030
Total	..	14,055	14,030
(2) Main Canals and Branches—			
B. Land	..	21,730	21,730
C. Works	..	98,669	98,408
K. Buildings	..	1,500	
L. Earthwork	..	2,92,433	2,91,714
O. Miscellaneous	..	7,148	8,290
P. Maintenance	..	6,307	
Total	..	4,24,777	4,20,140
(3) Distributaries—			
L. Earthwork	..	29,198	34,555
B. Land	..	814	
Total	..	30,007	34,555
Total, Works	..	4,68,839	4,89,725
II. ESTABLISHMENT	..	1,12,166	1,13,708
III. TOOLS AND PLANT	..	2,197	3,093
Grand Total	..	5,83,202	5,95,523
V. Less—RECEIPTS ON CAPITAL ACCOUNT.			
Net outlay in India and England	..	5,83,202	5,95,523

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

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MADRAS PRESIDENCY.

BASAVANNAH CHANNEL—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	Charges.		Total
	During the year.	To end of the year.	
	RS.	RS.	
I. DIRECT RECEIPTS—			
5 Receipts from plantations	25	25	
6 Receipts from other canal produce	48	488	
11 Miscellaneous	24	24	
Recoveries of expenditure	..	..	
Deduct—Refunds	..	..	
Total, Revenue realized in Public Works Department	97	537	
II. INDIRECT RECEIPTS—			
Share of land revenue collected in the Civil Department	..	..	
Total, Public Works and Civil Departments, Revenue	97	537	
Net deficit, if any	..	7,086	
Total	194	8,000	
I. EXTENSIONS AND IMPROVEMENTS—			
(1) Headworks	..	..	
(2) Main canals and branches	..	..	
(3) Distributaries	..	..	
(4) Drainage and protective works	..	..	
(5) Special tools and plant	..	..	
Total	405	2,387	
II. MAINTENANCE AND REPAIRS—			
(1) Headworks	..	..	
(2) Main canals and branches	..	..	
(3) Distributaries	..	..	
(4) Drainage and protective works	..	..	
(5) Special tools and plant	..	..	
Add—Unclassifiable outlay	..	..	
Total	4,871	10,005	
Total, Extensions and Improvements and Maintenance and Repairs	5,276	67,807	
IV. ESTABLISHMENT	1,843	21,014	
V. TOOLS AND PLANT	11	98	
VI. REFUNDS OF REVENUE	..	..	
Total, Direct Charges	7,130	88,919	
Share of collection charges in the Civil Department	..	..	
Indirect charges	53	679	
Total, Direct and Indirect Charges, Balance, net revenue	7,183	89,598	
Grand Total	7,183	89,598	

IRRIGATION BRANCH.

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PUBLIC WORKS DEPARTMENT.

BASAVANNAH CHANNEL—cont.

No. 4.—Interest Account for and to end of 1940-1941.

Particulars.	Amount. RS.	Particulars.	Amount. RS.
Total interest charges to end of 1939-1940 ..	3,14,658	Net revenue realized to end of 1939-1940 ..	81,975
Total interest charges for the year 1940-1941 ..	26,230	Net revenue realized during 1940-1941 ..	7,086
		Balance, net interest charges ..	4,29,949
Total ..	3,40,888	Total ..	3,40,888

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year. RS.	To end of the year. RS.
CAPITAL—		
Capitalization of abatement of land revenue ..	..	1,229
Leave and pension allowances ..	..	661
Audit and accounts ..	..	4,687
Total ..	..	6,578
REVENUE—		
Leave and pension allowances ..	..	53
Audit and accounts ..	..	53
Total ..	..	679
Grand Total ..	..	7,257

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ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

BASAVANNAH CHANNEL—cont.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanction.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
<i>Direct Charges.</i>				RS.	RS.	RS.	
Works ..	..	..	..	4,68,839	4,68,725	— 114	..
Establishment ..	..	..	..	1,12,166	1,13,706	1,540	..
Tools and plant ..	..	..	..	2,197	3,092	895	..
Suspense account ..	..	..	..	..	..	..	..
Total ..	..	..	..	5,83,202	5,85,523	2,321	..
Less—Receipts on capital account.	..	..	..	..	..	..	..
Net Total ..	..	..	..	5,83,202	5,85,523	2,321	..
<i>Indirect Charges.</i>							
Capitalized abatement of land revenue ..	..	..	..	1,229	1,229	..	..
Leave and pension allowances ..	..	..	..	661	661	..	..
Audit and accounts ..	..	..	..	4,687	4,687	1	..
Total ..	..	..	..	6,578	6,577	1	..
Grand Total ..	..	..	..	5,89,780	5,92,100	2,320	..

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

DUVVALERU PROJECT—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Head of account.	DIRECT CHARGES		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. WORKS—			
(1) <i>Head Works—</i>			
C. Works	36,821	40,844	38,800
K. Buildings	..	2,509	5,000
O. Miscellaneous	220	552	3,285
P. Maintenance	..	115	..
Total	37,041	44,020	47,085
(2) <i>Main Canals and Branches—</i>			
A. Preliminary expenses	20	395	3,623
B. Land	1	1,639	1,710
D. Regulators	..	..	330
E. Falls and weirs	..	..	2,400
F. Other cross drainage works	17	27	8,500
G. Bridges	849	1,088	4,030
H. Escapes	1,013	1,026	1,120
L. Earthwork	12	34,395	41,610
O. Miscellaneous	703	819	4,368
Total	2,615	39,389	67,691
(5) <i>Water courses—</i>			
I. Earthwork	..	..	1,724
Total	..	..	1,724
Total Works	39,656	83,409	1,16,500
II. Establishment	13,845	39,211	31,790
III. Tools and plant	76	87	2,330
IV. Suspense	..	..	..
V. Less receipts on capital account	..	..	..
Net outlay in India and England	53,577	1,22,707	1,50,620

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

DUVVALERU PROJECT—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-1941

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940	2,073	Net revenue realized to end of 1939-1940	..
Total interest charges for the year 1940-1941	4,214	Net revenue realized during 1940-1941	..
		Balance, net interest charges.	6,287
Total	6,287	Total	6,287

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	46
Leave and pension allowances	..	..
Audit and accounts	396	834
Total	396	880

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DOVVALURU PROJECT—Canal Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.		CURRENT SANCTIONS.		Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.
			RS.	RS.	RS.
<i>Direct Charges.</i>					
Works ..	..	..	83,409	1,16,500	33,091
Establishment ..	..	..	39,211	31,790	7,421
Tools and plant ..	..	..	87	2,330	2,243
Total ..	..	..	1,22,707	1,50,620	27,913
Less—Receipts on capital account..	..	..	..	..	..
Net Total ..	..	..	1,22,707	1,50,620	27,913
<i>Indirect Charges.</i>					
Capitalised abatement of land revenue ..	..	..	46	290	244
Leave and pension allowances ..	..	..	834	1,165	331
Audit and accounts ..	..	..	880	1,455	575
Total ..	..	..	1,23,587	1,52,075	28,488
Grand Total ..	..	..			

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

VEDABANNIYAM CANAL—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

[Vide details on page 278 of the Administrative Accounts for 1934-1935.]

PUBLIC WORKS DEPARTMENT.

VEDARANIYAM CANAL—Canal Project—cont.
No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGE AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.
	Expenditure against construction estimate.	Expenditure against open canal sanctions.	Total.	Charges to date.	Amount of sanctioned estimate.	Unspent balance of estimate.	
	RS.	RS.	RS.				RS.
Direct Charges.							
Works	1,07,885	..	1,07,885	..	..	..	1,07,885
Establishment	24,814	..	24,814	..	..	..	24,814
Tools and plant	..	..	..	..	..	..	..
Suspense account	..	..	..	..	..	..	..
Total	1,32,699	..	1,32,699	..	..	..	1,32,699
Less—Receipts on capital account.	..	..	..	..	..	..	..
Net Total	1,32,699	..	1,32,699	..	..	..	1,32,699
Indirect Charges.							
Capitalised statement of land revenue	259	..	259	..	..	..	259
Leave and pension allowances	3,474	..	3,474	..	..	..	3,474
Total	3,474	..	3,733	..	..	..	3,733
Grand Total	1,36,173	..	1,36,432	..	..	..	1,36,432

The construction estimate of the project was signed on 31st March 1933.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

BUCKINGHAM CANAL—Canal Project.

No. 2.—Capital Account for and to end of 1940-1941.

Heads of account.	DIRECT CHARGES.		Cost of construction as now estimated.
	During the year.	To end of the year.	
	RS.	RS.	RS.
I. Works—			
(1) Main canals and branches	638	63,19,657	63,38,713
(2) Old outlay	..	5,04,091	5,04,091
Total Works	638	68,23,742	68,42,804
II. Establishment	131	16,34,897	16,20,119
III. Tools and plant	1	1,61,041	1,81,434
V. Less—Receipts on capital account.	..	24,365	24,365
Net outlay in India and England.	770	85,95,315	86,19,992

VEDARANNIYAM CANAL—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.		TOTAL.	
	During the year. RS.	To end of the year. RS.	
I. DIRECT RECEIPTS—			
5. Receipts from plantations ..	..	1,896	
6. Receipts from other canal produce. ..	713	51,516	
8. Navigation receipts ..	..	55	
9. Rents of buildings ..	..	145	
10. Fines ..	..	493	
11. Miscellaneous ..	..	40	
Recoveries of expenditure ..	..	501	
Deduct—Refunds ..	..		
Total revenue realized in the Public Works Department ..	713	54,321	
Total, Direct receipts ..	713	54,321	
Total, Public Works and Civil Departments, Revenue ..	713	54,321	
Net deficit, if any ..	4,833	4,06,078	
Total ..	5,546	4,60,399	
Charges.		TOTAL.	
	During the year. RS.	To end of the year. RS.	
I. EXTENSIONS AND IMPROVEMENTS—			
(1) Head works ..	..	11,471	
(2) Main canals and branches ..	..	479	
(3) Distributaries ..	..	638	
(4) Drainage and protective works ..	..	114	
(5) Special tools and plant ..	..	12,474	
Total ..	..		
II. MAINTENANCE AND REPAIRS—			
(1) Head works ..	..	2,237	
(2) Main canals and branches ..	..	1,794	
(3) Distributaries ..	..	1,867	
(4) Drainage and protective works ..	..	53	
(5) Special tools and plant ..	..	3,28,112	
Total ..	4,104		
Total, Extensions and Improvements and Maintenance and Repairs ..	4,104	3,40,536	
IV. ESTABLISHMENT ..	1,395	1,01,628	
V. TOOLS AND PLANT ..	6	8,239	
VI. REFUNDS OF REVENUE ..	..	41	
Total, Direct Charges ..	5,505	4,50,544	
Share of collection charges in the Civil Department ..	..	9,855	
Indirect charges ..	41		
Total, Direct and Indirect Charges ..	5,546	4,60,399	
Balance, net revenue ..	..	..	
Grand Total ..	5,546	4,60,399	

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1940-41.

MADRAS PRESIDENCY

VEDARANNIYAM CANAL—*Canal Project*—cont.

No. 4.—Interest Account for and to end of 1940-1941.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-1940 ..	3,62,055	Net revenue realized to end of 1939-1940 .. —	4,01,245
Total interest charges for the year 1940-1941	5,971	Net revenue realized during 1940-1941 .. —	4,833
		Balance, net interest charges	7,74,104
 Total ..	 <u>3,68,026</u>	 Total ..	 <u>3,88,026</u>

No. 5.—Account of Indirect Charges for and to end of 1940-1941.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	259
Leave and pension allowances	..	3,474
Audit and accounts	..	..
Total ..	..	3,733
REVENUE—		
Capitalization of abatement of land revenue	..	666
Leave and pension allowances	..	7,623
Audit and accounts	41	1,666
Total ..	41	9,855
Grand Total ..	41	13,588

IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT.

BUCKINGHAM CANAL—Canal Project—cont.
No. 3.—Revenue Account for and to end of 1940-1941.

Receipts.	TOTAL.		Charges.	TOTAL.	
	During the year.	To end of the year.		During the year.	To end of the year.
	RS.	RS.		RS.	RS.
DIRECT RECEIPTS—			I. EXTENSIONS AND IMPROVEMENTS—		
3. Sale of water	4,040	13,317	(1) Head works	27,178	2,36,364
5. Receipts from plantations	656	38,752	(2) Main canals and branches	..	1,016
6. Receipts from other canal produce.	..	71,427	(3) Distributaries	..	72
8. Navigation receipts	1,01,529	50,88,561	(4) Drainage and protective works	..	..
9. Rents of buildings	560	16,326	(5) Special tools and plant	..	..
10. Fines	..	1,369	Total	27,178	2,37,452
11. Miscellaneous Recoveries of expenditure	1,270	56,622	II. MAINTENANCE AND REPAIRS—		
<i>Deduct—Refunds</i>	61	1,346	(1) Head works	1,93,811	21,709
Receipts for which classification is not obtainable	149	2,507	(2) Main canals and branches	..	78,26,597
Total revenue realized in the Public Works Department	1,07,976	66,96,411	(3) Distributaries	..	1,49,607
Total, Direct receipts	1,07,976	66,96,411	(4) Drainage and protective works	..	1,36,391
Total, Public Works and Civil Departments, Revenue	1,07,976	66,96,411	(5) Special tools and plant	..	3,125
Net deficit, if any	1,60,819	47,11,494	<i>Add—Unclassifiable outlay</i>	..	2,88,470
Total	2,68,795	1,14,07,905	Total	1,93,811	88,24,899
			Total, Extensions and Improvements and Maintenance and Repairs	2,20,989	86,62,351
			IV. ESTABLISHMENT	45,265	23,09,060
			V. TOOLS AND PLANT	331	1,48,872
			VI. REFUNDS OF REVENUE	..	22,074
			<i>Deduct—Recoveries on revenue account.</i>	..	4,115
			Total, Direct Charges.	2,66,585	1,11,38,242
			Share of collection charges in the Civil department	2,210	2,69,663
			Indirect charges	..	..
			Total, Direct and Indirect Charges	2,68,795	1,14,07,905
			Balance, net revenue	..	..
			Grand Total	2,68,795	1,14,07,905

The construction estimate of the project was closed on 31st March 1893.

ADMINISTRATIVE ACCOUNTS
FOR THE YEAR 1940-41.

MADRAS PRESIDENCY.

BUCKINGHAM CANAL—Canal Project—cont.

No. 4.—Interest Account for and to end of 1940-41.

	Amount.		Amount.
	RS.		RS.
Total interest charges to end of 1939-40	1,87,94,183	Net revenue realized to end of 1939-40	45,50,675
Total interest charges for the year 1940-41	3,86,768	Net revenue realized during 1940-41	1,60,819
		Balance, net interest charges	2,38,92,445
Total	1,91,80,951	Total	1,91,80,951

No. 5.—Account of Indirect Charges for and to end of 1940-41.

Particulars.	During the year.	To end of the year.
	RS.	RS.
CAPITAL—		
Capitalization of abatement of land revenue	..	2,62,365
Leave and pension allowances	..	2,26,866
Audit and accounts	6	257
Total	6	4,89,488
REVENUE—		
Capitalization of abatement of land revenue	..	363
Leave and pension allowances	..	2,27,769
Audit and accounts	2,210	41,531
Total	2,210	2,69,663
Grand Total	2,216	7,59,151

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IRRIGATION BRANCH.

PUBLIC WORKS DEPARTMENT

BUCKINGHAM CANAL—Canal Project—cont.

No. 46—Statement comparing Charges to date with Sanctioned Estimates.

CHARGES AGAINST CLOSED SANCTIONS.

CURRENT SANCTIONS.

Particulars.	Expenditure against estimate, RS.		Expenditure against open canal sanctions. RS.		Total. RS.		Charges to date. RS.		Amount of sanctioned estimate. RS.		Unspent balance of estimate. RS.		Total charges to date against old and current sanctions. RS.	
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Direct Charges.														
Works ..	66,72,338		1,50,766		68,23,104		638		19,700		19,062		68,23,742	
Establishment ..	15,85,806		28,960		16,14,766		131		5,353		5,222		16,14,897	
Tools and Plant ..	1,80,720		320		1,81,040		1		394		393		1,81,041	
Suspense account ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	84,38,864		1,80,046		86,18,910		770		25,447		24,677		86,19,680	
Less—Receipts on capital account..	4,502		19,863		24,365		..		..		..		24,365	
Net Total ..	84,34,362		1,60,183		85,94,545		770		25,447		24,677		85,95,315	
Indirect Charges.														
Capitalized abatement of land revenue ..	2,62,365		..		2,62,365		..		..		..		2,62,365	
Leave and pension allowances ..	2,23,608		3,258		2,26,866		..		..		..		2,26,866	
Audit and accounts ..	..	..	251		251		6		197		191		257	
Total ..	4,85,973		3,509		4,89,482		6		197		191		4,89,488	
Grand Total ..	89,20,335		1,63,692		90,84,027		776		25,644		24,868		90,84,803	

The construction estimate of the project was closed in March 1897.

K. M. SUBRAMANIAM,
Deputy Accountant-General.