

Aerial View of Escom House, the Head Office of the Electricity Supply Commission, Rissik Street, Johannesburg.

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MEMBERS OF THE Electricity Supply Commission.

DR. HENDRIK JOHANNES VAN DER BIJL (Chairman)
ALBERT MICHAEL JACOBS.

WILLIAM PLOWMAN MOYESE HENDERSON.

ROBERT BURNS WATERSTON

Electricity Supply Commission.

Escom Gouse,

Rissik Street,

Johannesburg,

30th April, 1937.

To the Honourable

The Minister of Commerce and Industries,

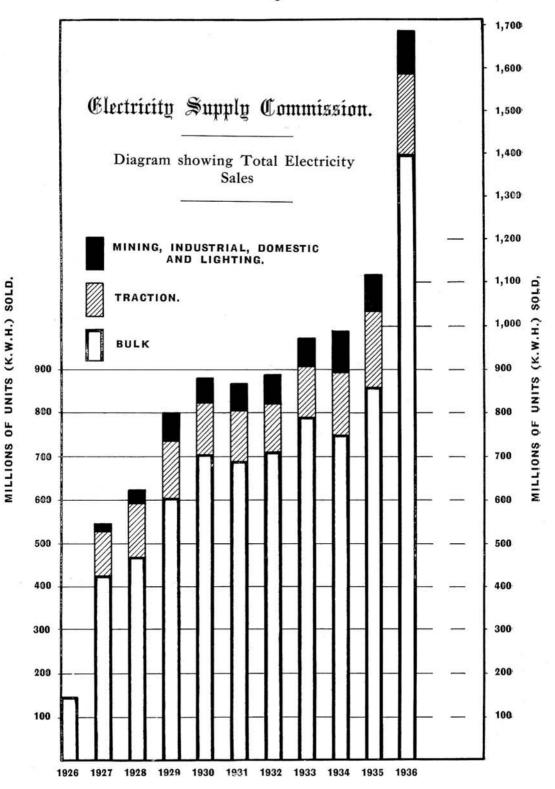
Pretoria.

SIR,

In conformity with the provisions of Section 14 of the Electricity Act, No. 42 of 1922, the Commission has pleasure in submitting its Fourteenth Annual Report, covering its operations for the year ended 31st December, 1936, together with a brief review of its activities up to 31st March, 1937.

The Commission is again able to record substantial progress in the various fields of its activities during the period under review.

Enormous growth in the demand for electricity is indicated by the fact that capital works in connection with power station extensions, involving the installation of 242,600 kilowatts of generating plant, etc., at an estimated cost of approximately £3,500,000, were embarked upon by the Commission during 1936. The most important extension will take place at the Klip Power Station, which was designed in 1934 for an ultimate installed capacity of 350,000 kilowatts of generating plant, to augment the supply of power, principally to the gold mines, and to provide for the growth of this load over several years, based on estimates which were at that time considered to be liberal. Owing to the phenomenal expansion of the gold mining industry, the demand for power has grown to such an extent that it has been decided to increase the installed capacity of the station to 424,000 kilowatts, which will then be larger than any existing power station in the



Southern Hemisphere. Details of this and other extensions are given later in this report. These extensions will bring up the total installed capacity of generating plant in all the Commission's power stations to 775,443 kilowatts. The Commission's area of supply in the four provinces of the Union is now over 20,000 square miles, and it owns over 1,200 route miles of overhead power lines and 65 route miles of underground cables, the total step-up and step-down static transformer capacity on the systems being 699.573 kVA.

SALES OF ELECTRICITY.

The Commission's sales of electricity reached a new high-level record in 1936, with a total of 1,688,047,108 units, which shows an increase of approximately 51 per cent. over the sales for the previous year, and about 112 per cent. over the sales for 1929, which was the first complete year of operation of all the Commission's Undertakings established at that time. A satisfactory feature is that substantial increases are reflected in the sales to practically all classes of consumers as shown in the following table:

Class of Supp	oly.		1935.	1936.	Percentage Increase.
Bulk Supplies fo	or-				
Mining, etc.			675,664,157	1,190,801,515	76.2
*Municipal			182,046,852	206,757,057	13.6
Direct Supplies	for—				
Mining			27,903,854	31,932,815	14.4
Industrial			55,065,165	64,350,389	16.9
Domestic an	d Ligh	ting	4,301,638	6,120,142	42.3
Traction	***		174,261,280	188,085,190	7.9
	Totals		1,119,242,946	1,688,047,108	

^{*} A large proportion of the electricity supplied in bulk to Municipalities is used for domestic and lighting purposes.

It is interesting to record that the domestic consumption of electricity by users, supplied direct by the Commission, has risen by over 100 per cent. in the last two years, the average consumption per annum per consumer to-day being 1,168 units.

RURAL SUPPLIES.

A gratifying feature of the Commission's work is the progress that has been achieved in rural electrification. Numerous small towns and villages, mostly in the neighbourhood of the Commission's power lines in the Western Cape Province and in Natal, which were previously dependent upon the more primitive methods for lighting and domestic purposes, now enjoy the amenities of a cheap and abundant supply of electricity. This is largely the result of the expansion of Undertakings which were established primarily for railway electrification purposes. The total number of towns and villages supplied by the Commission at present is 63, of which 14 are supplied in bulk; in the remainder, consumers are supplied individually by the Commission.

Hire-purchase of domestic electrical appliances and assistedwiring schemes, which are available to all the Commission's domestic consumers, coupled with propaganda in the form of cooking demonstrations and talks describing the ways in which electricity can be of use to the consumer, have been particularly helpful in developing the use of electricity in the rural areas.

Farm supply schemes have been developed mainly in the deciduous fruit-growing and wine-making areas of the South-western Cape, where there are numerous groups of small farming communities making use of electricity, not only for lighting and domestic purposes, but also for grape-pressing, dairying and water pumping for domestic and irrigation services. Steady progress is being made in other farming areas in the vicinity of the Commission's power lines, particularly in the districts of Merrivale and Dargle, Natal. At the end of 1936 there were 254 farms connected to the Commission's supply systems throughout the Union.

RAILWAY ELECTRIFICATION.

Rapid progress was made during the year with the railway electrification work which was commenced in 1935. Electric traction over the Cato Ridge-Durban section (approximately 45 miles) of the Natal main line was officially inaugurated by the Hon. the Minister of Railways and Harbours on 1st December, 1936, and the section of the line between Glencoe and Volksrust (approximately 77 miles) is expected to be operated electrically by the end of August, 1937. This will complete the conversion of the

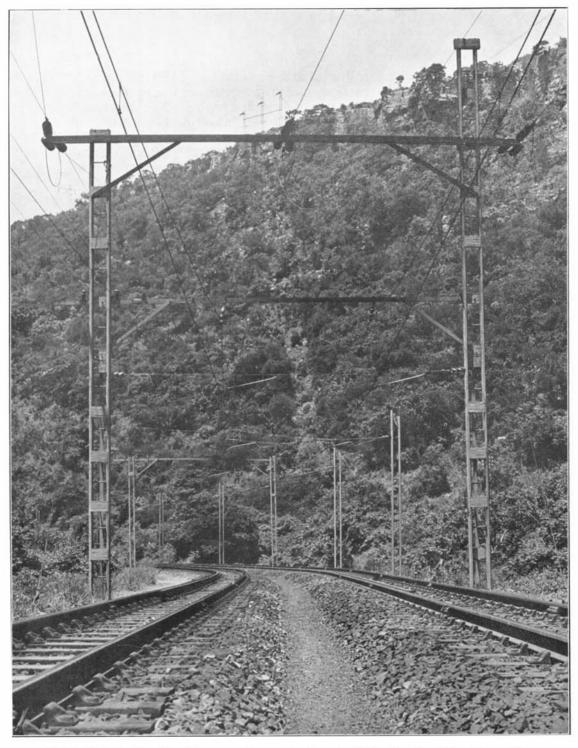
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Work in connection with the electrification of the railway system along the Witwatersrand (95½ miles) and from Germiston to Pretoria (36 miles) for which the Commission is providing 12 Mercury Arc Rectifier Sub-stations, aggregating 49,580 kVA., and 15 route miles of 40,000-volt single circuit three-wire transmission lines, has progressed so far that two short sections (Germiston-Wattles and Germiston-Alberton) were opened to electric trains on 15th March, 1937. The entire system is expected to be electrically operated by November, 1937.

The power for traction purposes over the Reef and the Germiston-Pretoria lines will be supplied from the joint systems of the Commission and The Victoria Falls and Transvaal Power Company, Limited, which is a further example of the benefits of the co-operative arrangements existing between that Company and the Commission.

The construction of the substation buildings, the installation of the rectifier plant, and the erection of the transmission lines required in connection with the Reef railway electrification scheme and the extensions in Natal, are being carried out on behalf of the Commission by the Railway Administration's electrical staff concurrently with the Administration's portion of the work. The Commission wishes to take this opportunity of expressing its thanks to the responsible Railway Officials, and to record its recognition and appreciation of the excellence of the work carried out for it by the Administration's staff, who displayed considerable ingenuity in overcoming various construction difficulties encountered, particularly on the Cato Ridge-Durban section, where the hilly nature of the country, with its deep valleys, set the engineers many perplexing problems. For instance, the transmission line had to be taken from the precipitous heights above Delville Wood



Natal Electrification—The Shongweni Gorge, showing the "Big Span" of the Power Line from the Pylons on the Crest of the Gorge to the Track Structure in the foreground.

tunnel to the track below, across a deep gorge some 1,500 feet wide. (See photograph on page 10.) The obstacles in the way of running out the line by hand and negotiating the ravines and dense bush were practically insurmountable. By means of a rocket gun, borrowed from the Durban Port Authorities, a life line attached to the power line was shot down to the track and then hauled across.

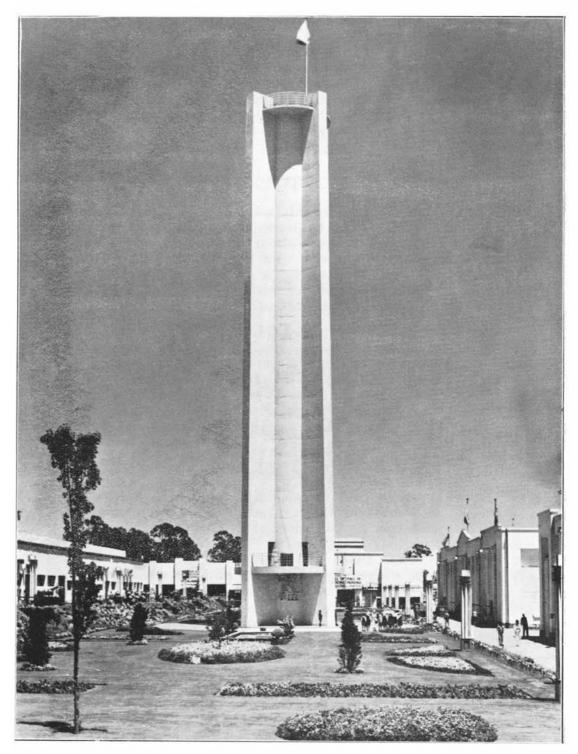
PUBLICITY AND PROPAGANDA.

The publication of a monthly magazine was launched by the Commission in May, 1936, to promote a national interest in the use of electricity and to give helpful information and advice on electrical and cognate matters. Various Municipalities throughout the Union are co-operating with the Commission in the collection of the monthly subscriptions to the magazine, and a circulation of over 17,000 has been achieved up to date.

The Commission participated jointly with The Victoria Falls and Transvaal Power Company, Limited, and The Pretoria Portland Cement Company, Limited, in the Empire Exhibition held in Johannesburg from September, 1936, to January, 1937, by providing an exhibit in the form of an illuminated tower 150 feet in height. The "Tower of Light," which was the focal point of visitors to the Exhibition, had considerable publicity merit.

THIRD WORLD POWER CONFERENCE.

The Commission, as a member of the South African National Committee of the World Power Conference, was represented at, and took a prominent part in, the Third World Power Conference, held in Washington, D.C., United States of America, from 7th to 12th September, 1936. The Conference, which was devoted largely to the relations of power resources, their development and application to the social and economic interests of the nation, rather than to the technical side of power development, was productive of much useful information, and afforded an opportunity for the discussion of power supply and other problems with eminent engineers from all parts of the civilised world.



The Tower of Light-Empire Exhibition, Johannesburg.

ESCOM HOUSE.

Escom House, the Commission's new headquarters, which is to-day an outstanding landmark in the City of Johannesburg, has been occupied by the Commission's head office staff since August, 1936, though it was not completed at that date. Practically all the surplus accommodation in the building has been leased to suitable tenants. A feature of interest in Escom House is the "Hall of Achievement," which will be used for the purpose of a permanent exhibition of approved domestic electrical appliances from different countries, to encourage the domestic use of electricity and to facilitate selection by prospective purchasers.

FINANCIAL.

A loan of £2,000,000 at an issue price of £98 per cent., redeemable in 1956/66, and bearing interest at the rate of 3½ per cent. per annum, was successfully raised in July, 1936, being heavily over-subscribed within half an hour of the opening of the subscription lists. This loan was raised for the purpose of financing the Reef Electrification Scheme and extensions to the Commission's Klip Generating Station and other Undertakings. The Commission's Loan Capital now totals £14,250,000, the whole of which has been publicly subscribed in South Africa. The amount in the Redemption Fund at 31st December, 1936, in respect of these loans stood at £1,122,955.

The Reserve Fund at 31st December, 1936, amounted to £945,175, being £158,954 more than last year.

The market value of the securities held by the Commission on behalf of the various Funds at the date of the Balance Sheet was far in excess of the book value of £2,204,114, the nominal value thereof being £2,218,475. These securities represent investments in Government, Municipal and Electricity Supply Commission Stocks, and Debentures guaranteed by the Union Government.

The total assets of the Commission at 31st December, 1936, amounted to £17,227,878, and its total liabilities to £14,842,890, the excess of assets over liabilities being £2,384,988, which shows an increase of £460,381 compared with the previous year.

Expenditure on Capital Account during the year amounted to £2,061,295, which brought the total Capital expenditure at 31st December, 1936, up to £13,551,779.

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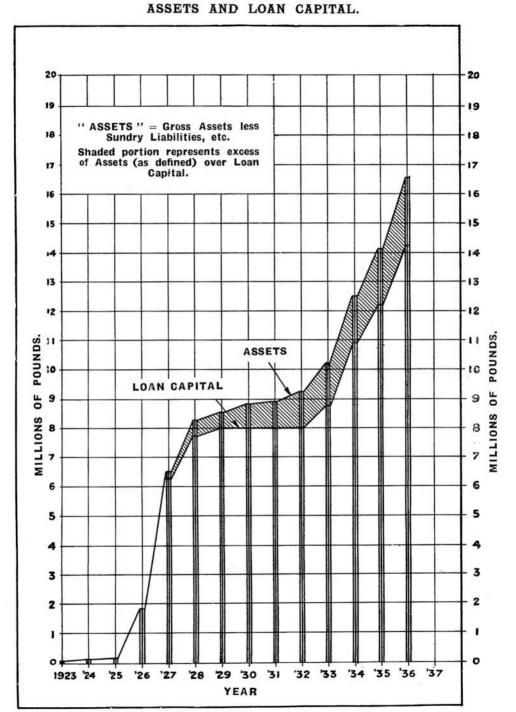
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Revenue, production costs, and other important figures relating to the operation of the Commission's Undertakings during the year 1936, and the comparative figures for 1935, are as follows:—

	1936.	1935.	Difference.
Total Revenue	£1,548,420	£1,250,542	+23.82%
Total Production Costs (including Interest, Redemption and Reserve Fund Charges, but excluding a portion of Salt River Power Station Costs paid by Capetown Corporation under the Pooling Agreement)	£1,539,368	£1,218,802	+ 26·30%
Excess of Revenue over Production Costs	£9,052	£31,740	
Average Price per Unit Sold	0·217d.	0·266d.	-18.42%
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TARIFFS.

The relatively small surplus of £9,052 made during the year on all the Commission's operations, which represents approximately 0.6 per cent. of the total revenue, indicates the measure of success achieved by the Commission in the framing of its tariffs to accord with the general principle laid down in the Electricity Act that the Commission shall, as far as practicable, operate its Undertakings neither at a profit nor at a loss.

Reductions were made in the charges for electricity supplied to the various consumers from the Capetown and the Natal Central Undertakings during 1936.

STAFF.

The staff employed by the Commission at its Head Office and at its various Undertakings, excluding the Klip and Witbank Power Stations, which are operated by The Victoria Falls and Transvaal Power Company, Limited, on behalf of the Commission, numbered 462 Europeans and 400 non-Europeans at 31st December, 1936, an increase of 19 and 65 respectively, as compared with the numbers at the end of 1935.

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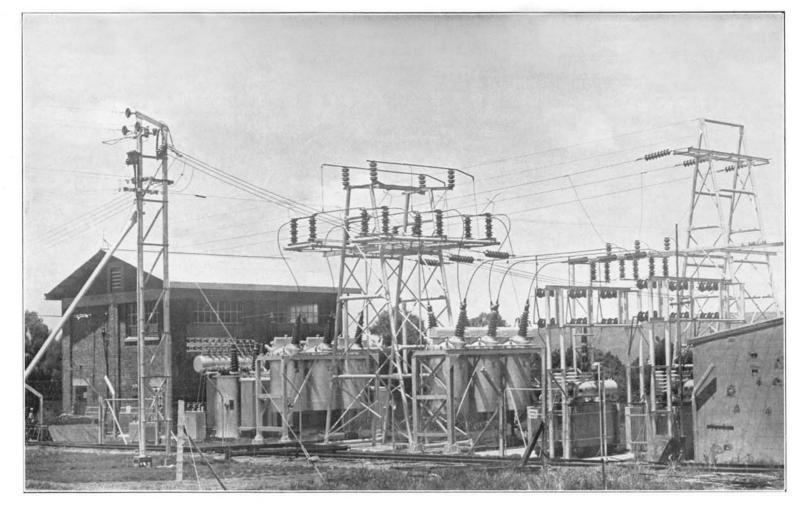
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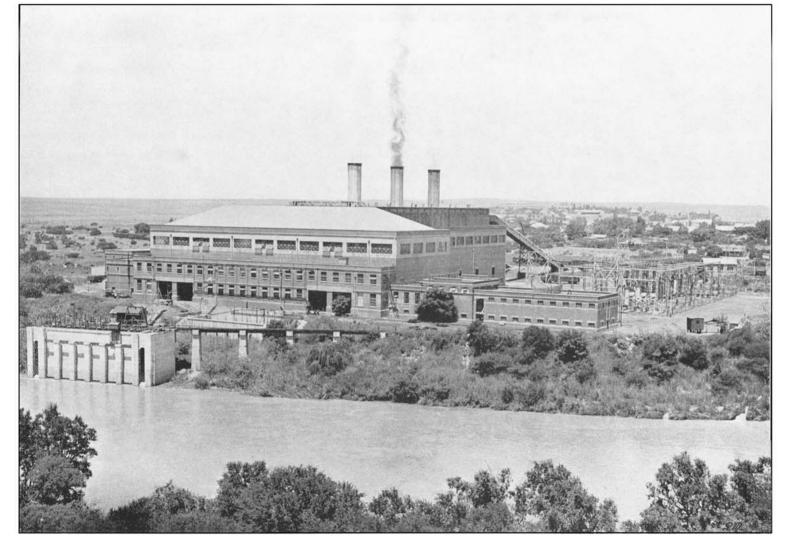
Mr. John Roberts, who held the position of Manager of the Commission's Durban Undertaking since its inception in 1925, retired from the Commission's service in February, 1937. He had been Borough Electrical Engineer of Durban since February, 1898, and held the joint positions from 1925 to 1933, when he retired from the Corporation's service. The progressive policy in connection with the domestic use of electricity so successfully advocated by Mr. Roberts, who may rightly be designated as the father of domestic electrification in South Africa, was largely responsible for the eminent position held by Durban in that field, and the Commission has pleasure in recording its recognition and appreciation of the valuable services rendered by Mr. Roberts during his Managership of the Durban Undertaking.

In view of the co-relation—particularly in regard to railway electrification—of the two Natal Undertakings, the Commission decided on Mr. Roberts's retirement to place both under one management, and appointed Mr. J. A. West (the former Manager of the Natal Central Undertaking) as Manager of its Natal Undertakings.

The Commission desires to record its appreciation of the services rendered by its officials and employees during the year. the success achieved being in large measure due to their unremitting efforts.



Combined Sub-Station for local supply and Mercury Arc Rectifier for traction-Harrismith.



Colenso Power Station on Tugela River, Natal.

NATAL CENTRAL UNDERTAKING

Extensions of Railway Electrification.

The supply of electricity from the Colenso Power Station for the extension of railway traction over the Cato Ridge-Durban section of the Natal main line was commenced in December, 1936, under temporary permission granted by the Electricity Control Board in January, 1936, pending decision by the Board of the Commission's application for an amendment of the Licence of the Natal Central Undertaking, to which application the City Council of Durban had lodged an objection in so far as the supply of electricity from the Colenso Power Station to consumers in the area of supply of the Commission's Durban Undertaking was concerned. Since the adjournment in March, 1936, of the hearing of the Commission's application, a Committee, consisting of the Commercial Manager of the Commission, the Durban City Electrical Engineer and the Consulting Electrical Engineer to the Railway Administration, has investigated various proposals put forward at the hearing, and as a result of the Committee's recommendations it is hoped that an arrangement satisfactory to the three parties will shortly be ratified by the Electricity Control Board.

The Colenso Power Station remained unchanged with an installation of five 12,000 kilowatt turbo generators and ten boilers, each rated at 60,000 lbs. of steam per hour.

The net capital expenditure on the Undertaking as at 31st December, 1936, was £3,856,635, an increase of £235,003 as compared with the figure for 1935. The increased expenditure was incurred mainly in connection with the new substations and transmission lines for the extension of railway electrification from Cato Ridge to Durban, and Glencoe to Volksrust.

Working Results. The units sent out from the Colenso Power Station during the year totalled 180,887,455, an increase of 11.77 per cent. over the previous year. Of the total, 139,195,138 units were sold for railway traction purposes, or 9.64 per cent. more than in 1935.

The maximum half-hourly demand sent out was 36,260 kilowatts, and the load factor 56.8 per cent. The thermal efficiency of the Power Station on units sent out was 18.1 per cent.

The revenue for the year was £412,828, and the working costs £412,110. The average price per unit sold decreased from 0.596d. in 1935 to 0.572d. in 1936.

New Consumers. By agreement with the Volksrust Town Council, the Municipal electricity undertaking and the supply of electricity to consumers at Volksrust were taken over by the Commission in June, 1936.

Arrangements were also concluded during the year for the supply of electricity from the Natal Central Undertaking to consumers in the township of Weenen, and for a bulk supply to the Bethlehem Municipality. Other new consumers include The Natal Cambrian Collieries at Dannhauser, a group of 14 farmers in the Dargle District, a rural community of 7 consumers at Tweedie, and the extension of the Merrivale Farmers' Scheme to include 6 additional consumers. There were 46 farms connected to the supply system of the Undertaking at the end of 1936.

The total number of consumers supplied by the Undertaking at 31st December, 1936, was 1,016, an increase of 469 over the previous year.

Progress during decennial period. The first decennial period since the Commission took over the Natal Central Undertaking from the Railway Administration was completed at the end of 1936, and the progress made during that time is briefly reviewed hereunder.

In 1927 the only consumers, apart from the Railway Administration, were the Municipalities of Estcourt, Glencoe, and Ladysmith, who were supplied in bulk, and a partial supply was given to the Pietermaritzburg Municipality. Since then the following consumers have been connected:—

Bulk supplies to Dundee, Harrismith, and Newcastle Municipalities, and a full supply to Pietermaritzburg Municipality; Mooi River Local Board; Cedara Agricultural College; Michaelhouse and Hilton Road Colleges; South African Rubber Manufacturing Company, Howick; Union Glass Works, Talana; Farmers' Co-operative Dairies at Umlaas Road; Cambrian Collieries, Dannhauser.

Direct supplies to individual consumers at Colenso, Nottingham Road, Merrivale, Waschbank, Lowlands, Umlaas Road, Dansekraal, Dannhauser, Richmond and Van Reenen. In addition, a number of small consumers, conveniently situated at sub-station points or near the 6.6 kV. transmission lines, have been connected.

The growth of the sales of electricity from the Undertaking for other than railway traction purposes is shown in the following table:—

			1927.	1936.
			kwh.	kwh.
Bulk Supplies	****		1,883,546	25,273,223
Industrial	***	•••	1,810,205	5,882,160
Domestic and Li	ghting (direct sup	plies)	10,185	1,125,610
Total			3,703,936	32,280,993

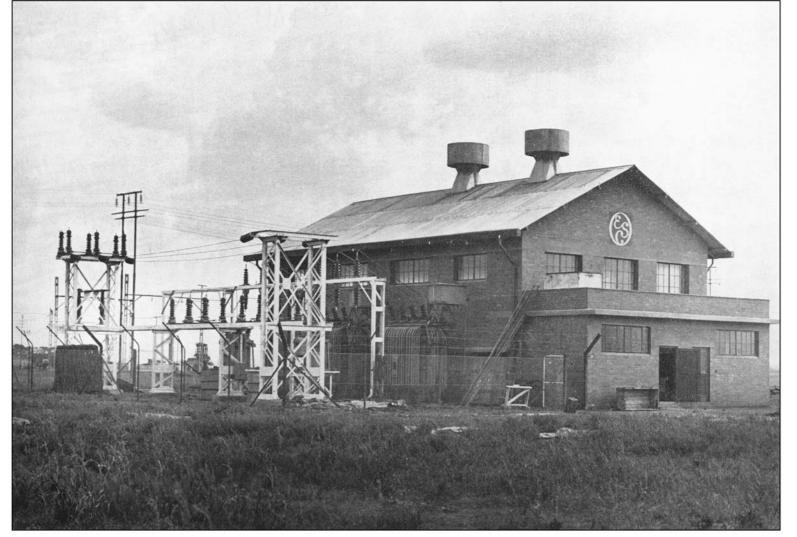
The revenue earned from these supplies increased from £6,061 in 1927 to £82,881 in 1936.

The total units sold for all purposes (including railway traction) in 1927 was 104,206,235, at an average cost of 0.822d. per unit, and the corresponding figures for 1936 were 171,476,131 units at an average cost of 0.577d.

Educational Facilities.

In order to provide secondary educational facilities at the Government primary school for the children of the employees at Colenso, the employment of an additional teacher for the higher standards is being subsidised by the Commission until such time as the number of children of school-going age in the township has reached the minimum laid down by the Education Department to qualify for the provision of such facilities by the Department.

Unskilled White Labour. The policy of employing white labour at the Colenso Power Station for certain unskilled work previously performed by natives, which was introduced during the economic depression in 1931, is being continued; but during the year the number of changes increased considerably, due mostly to the men obtaining more remunerative employment elsewhere, as the result of the general prosperity of the country, and it is becoming increasingly difficult to fill the vacancies that arise from time to time with suitable men.



Reef Electrification--- A typical Mercury-Arc Rectifier Sub-Station,

WITBANK UNDERTAKING.

The Witbank Power Station, which has an installed capacity of 100,000 kilowatts of generating plant, and a total boiler capacity of 1,400,000 lbs. of steam per hour, is inter-connected with the power supply system of The Victoria Falls and Transvaal Power Company, Limited, serving the Witwatersrand area, and is operated by the Company on behalf of the Commission.

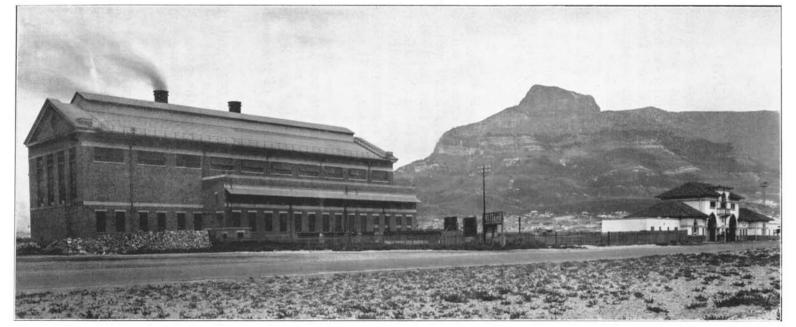
The net capital expenditure on the Witbank Undertaking as at 31st December, 1936, was £2,311,317, an increase of £134,728 as compared with the figures for 1935. The increased expenditure was incurred mainly in connection with the provision of substations, etc., for the electrification of the Reef and the Pretoria railway lines.

Working Results. The units sent out from the Witbank Power Station during the year totalled 695,912,729. As compared with the previous year, the output has decreased by 31,275,229 units, or 4.30 per cent. An analysis of the figures shows that the 1936 sales of electricity to The Falls Company, which takes the bulk of the output, decreased by 6.20 per cent. as compared with the sales for the previous year. The sales to all other consumers of electricity from the Witbank Power Station were, however, 19.81 per cent. higher than in 1935.

The maximum hourly demand sent out was 101,008 kilowatts, and the load factor of this station, which is situated in the heart of the Transvaal coal fields, and is operated as a base load station, was 78.4 per cent. The thermal efficiency of the station on units sent out was 16.03 per cent.

The revenue for the year was £369,064, and the working costs £365,092. The average price per unit sold increased from 0.113d. in 1935 to 0.126d. in 1936, but the price to consumers, other than The Falls Company, showed a decrease compared with the price in 1935.

New Consumers. New consumers with whom arrangements were made during the year for the supply of electricity from the Witbank Undertaking included the Phoenix and the Abor Collieries, and a Mill at Kendal. Altogether there were 42 new connections to the system, bringing the total number of consumers at the end of 1936 up to 635.



Salt River Power Station, Capetown, from the Foreshore.

CAPETOWN UNDERTAKING.

Salt River Power Station Extensions. The two new high-pressure 100,000 lbs./hour boilers, which were in course of installation in the Salt River Power Station at the date of the previous Report, were brought into service in June, 1936, to replace two of the original 60,000 lbs./hour low-pressure boilers.

The plant installed at the Salt River Power Station now comprises two 60,000 lbs./hour and six 100,000 lbs./hour boilers; three 10,000 kilowatt and three 20,000 kilowatt turbo generators, and a 300 kilowatt house set.

The net capital expenditure on the Undertaking as at 31st December, 1936, was £2,292,094.

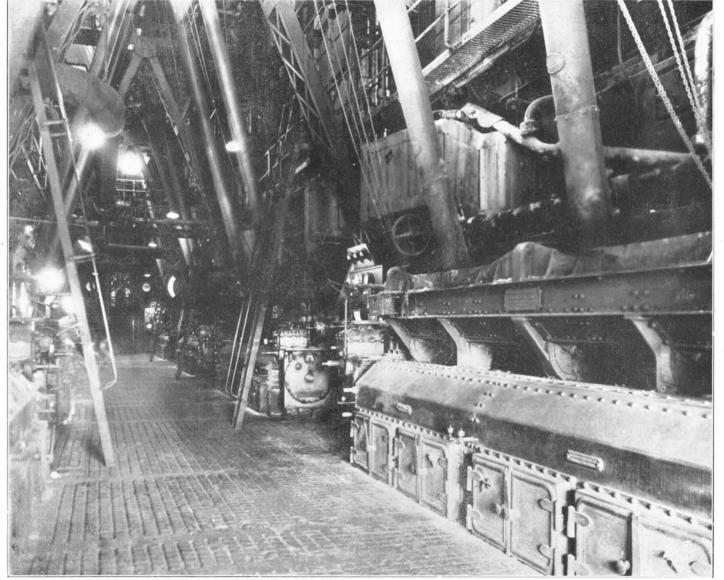
Working Results. The units sent out from the Salt River Power Station during the year totalled 87,400,887, excluding the units supplied to the Capetown Corporation under the pooling agreement, and shows an increase of 8.12 per cent. over the previous year.

The maximum half-hourly demand sent out was 57,600 kilowatts, and the load factor 51.8 per cent. The thermal efficiency of the Salt River Power Station on units sent out was 21.7 per cent. This high efficiency was due to the fact that the Salt River Power Station, which contains more efficient plant than the Dock Road Power Station, was operated as the base load station.

The revenue for the year was £290,625, and the working costs £288,836, which includes a proportion of the pooled costs of the Salt River and Dock Road Power Stations, which are interconnected. The average price per unit to all consumers decreased from 0.822d. in 1935 to 0.804d. in 1936.

New Consumers. Arrangements were made during 1936 to establish farm supply schemes in the districts of Blaauwvlei (near Wellington) and Brackenfel, and to supply additional farmers in the areas of Durbanville, Fransch Hoek and Vlottenberg.

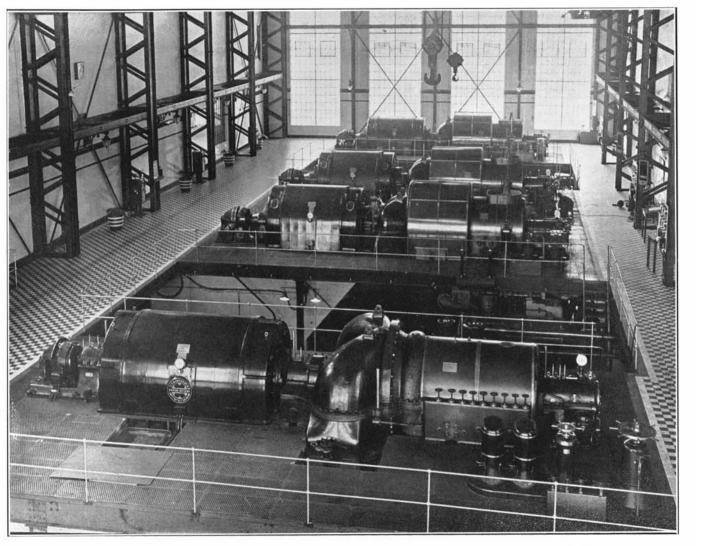
The total number of farms connected to the system of the Commission's Capetown Undertaking at 31st December, 1936, was 208, and the total number of consumers of all classes supplied by the Undertaking at that date was 3,272, or 507 more than the previous year.



Salt River Power Station-Firing-Aisle of the Boiler House, showing the recent extension of the Boiler Plant,

Closing Down of Sea Point Line: Dea Assets. The Commission is pleased to report that, with regard to the capital charges raised against the Railway Administration on the value of the assets which became redundant on the closing down of the Sea Point line in 1929, this matter has been settled by the Administration's decision to accept liability for the expenditure in respect of the dead assets, amounting to £38,269, which the Administration has refunded to the Commission.

Table Bay Power Station. The construction of the Capetown Corporation's new Table Bay Power Station, which will replace the existing Dock Road Power Station, and will be inter-connected and operated in parallel with the Salt River Power Station under the pooling agreement between the Commission and the Corporation, is proceeding rapidly. This station was designed for an initial installation of two 40,000 kilowatt turbo-alternator sets and five 230,000 lbs./hour boilers; but in view of the rapid growth of the load on both the Corporation's and the Commission's systems, it was decided in September, 1936, to proceed immediately with the installation of an additional 40,000 kilowatt turbo-alternator set and another 230,000 lbs./hour boiler.



DURBAN UNDERTAKING.

Extension of Congella Power Station. The growth of the load on the Durban Undertaking has been steadily maintained, and arrangements were concluded in November, 1936, with the Durban Corporation, whereby an additional 30,000 kilowatt turbo-alternator set and two boilers of an evaporative capacity of 120,000 lbs. of steam per hour each will be installed at Congella in time to meet the winter peak in 1938. This installation will take up all the remaining space in the original station buildings, and is expected to cope with the increased demands up to 1942. Including this extension the Congella Power Station will have an installed capacity of 98,000 kilowatts of generating plant.

The Commission has decided to adopt a new system of ash extraction by electrical precipitation, in conjunction with the two boilers now on order, as it has been found that, while the spraying system installed in connection with the existing boilers largely overcame the nuisance caused by the emission of the finer particles of ash resulting from the combustion of powdered coal, the moist gases set up corrosion in the steel stacks which were erected before the spray chambers were decided upon. Coatings of various anticorrosive compositions were applied to the inside of the stacks, but the corrosion was arrested only after the stacks were lined with gunite, over which a silicate coating was applied. It is expected that the new system of ash extraction will not only obviate the corrosion trouble in the new stacks, but will also further reduce the discharge of fly ash from these chimneys.

The net capital expenditure on the Undertaking as at 31st December, 1936, was £1,121,291.

Working Results. The units sent out from the Congella Power Station during the year totalled 170,061,480, an increase of 13.6 per cent. over the previous year. The maximum half-hourly demand sent out was 44,467 kilowatts, and the load factor 43.5 per cent. The thermal efficiency of the power station on units sent out was 19.3 per cent.

The revenue for the year was £247,185, and the working costs £244,971. The average price per unit sold decreased from 0.363d. in 1935 to 0.347d. in 1936.

New Consumer During the period under review arrangements were made to supply electricity from the South Coast transmission system of the Commission's Durban Undertaking to new consumers at Park Rynie and Umzinto.

The total number of consumers connected to the Commission's reticulation systems at Renishaw, Scottburgh, and Umkomaas at 31st December, 1936, was 312, an increase of 92 compared with the number at the end of 1935.

SABIE UNDERTAKING.

The Sabie Undertaking comprises a hydro-electric power station situated on the Sabie River, in a gorge about eight miles downstream from Sabie Township, with an installed capacity of 1,350 kilowatts, and a 22kV. transmission line from the Power Station to a substation in the township. The whole output of the Undertaking is supplied to two gold mining companies operating in the district.

The net capital expenditure on the Undertaking, as at 31st December, 1936, was £96,145.

Working Results. The units sent out from the station during the year totalled 7,287,000, a decrease of 2.65 per cent. as compared with the previous year.

The revenue for the year was £13,905, and the working costs £13,546.

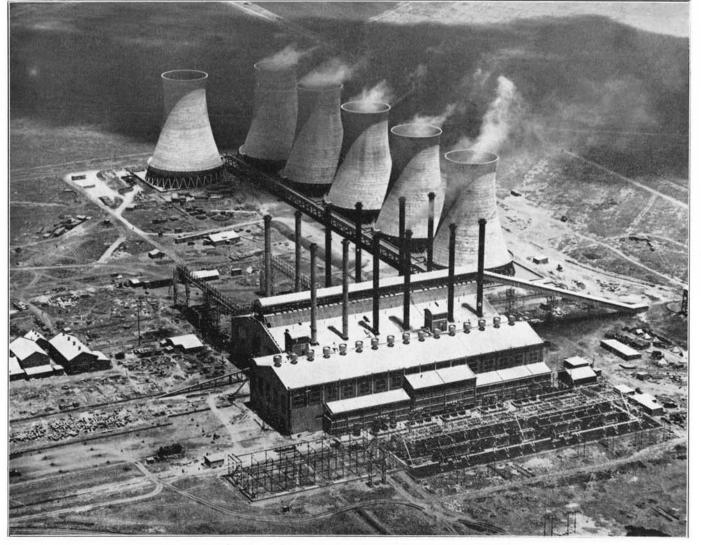
The average price per unit increased from 0.450d. in 1935 to 0.485d. in 1936, due to the lower output.

RAND EXTENSION UNDERTAKING.

The Rand Extension Undertaking comprises a distribution system, and is operated as part of the Witwatersrand grid system by The Victoria Falls and Transvaal Power Company, Limited, under a licence granted to the Commission and ceded to the Company.

The net capital expenditure on the Undertaking, as at 31st December, 1936, was £244,341.

The total working costs, amounting to £10,926, in 1936, in respect of the Undertaking, were recovered by the Commission from The Falls Company.



Aerial View of Klip Generating Station-January, 1937,

KLIP GENERATING STATION UNDERTAKING.

Power Station Extensions. Originally designed for an initial installation of 106,000 kilowatts, capable of extension to a capacity of 350,000 kilowatts, the Klip Power Station is, as a result of the enormous increase in the demand for power for gold mining purposes, now being extended to accommodate 424,000 kilowatts of generating plant.

Four 33,000-kilowatt generating sets were brought into service during the year, the first of these being started on its career in March, 1936, by Mrs. H. J. van der Bijl, at the official opening of the station.

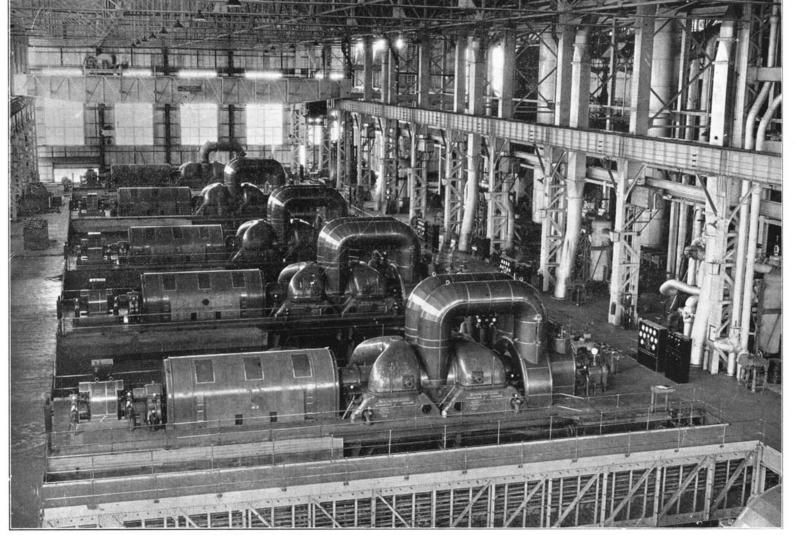
The Klip Power Station, which, up to the end of 1936, had fed 556,997,155 units into the Witwatersrand grid system of The Victoria Falls and Transvaal Power Company, Limited, and the Commission, is being operated by The Falls Company on behalf of the Commission.

Six cooling towers, of the hyperbolic type, 220 feet high and 175 feet in diameter at the base, and each capable of cooling 2,000,000 gallons of water per hour, have been erected. When the power station has been completed there will be ten of these towers.

In order to secure the additional quantity of water required for the extended station, and to provide for probable future requirements, the Commission has undertaken to contribute £81,000 towards the cost of the Vaalbank Dam, now being built by the Government, for the right in perpetuity to abstract an additional 12,000,000 gallons of water per day.

The net capital expenditure on the Klip Generating Station Undertaking, as at 31st December, 1936, was £3,014,439.

Working Results. The maximum hourly demand sent out was 132,180 kilowatts; load factor 48 per cent.; thermal efficiency of the station on units sent out 20.3 per cent.; and the average price per unit sold 0.087d.



Klip Generating Station-Interior of Turbine House-February, 1937.

MUNICIPAL ELECTRICITY SUPPLY SCHEMES.

In terms of Section 38 of the Electricity Act, the Commission is required to report to the Administrators of the various provinces on the proposals of urban local authorities to establish electricity undertakings, or to enlarge existing undertakings, and up to 31st December, 1936, 325 reports and 153 supplementary reports and reports on tenders had been submitted.

During the year 1936 the following schemes were reported on by the Commission:—

TRANSVAAL.

New Scheme.	Extension.	Tenders.
Christiana. Kempton Park. Potgietersrust.	Benoni. Bloemhof. Nelspruit. Rustenburg. Standerton.	Bloemhof. Kempton Park. Schweizer Reneke. Standerton.
TT 1:	NATAL.	
Harding.	O.F.S.	
Reddersburg.	Bethlehem. Clocolan. Ladybrand. Senekal.	Bloemfontein. Clocolan. Hoopstad. Ladybrand. Senekal. Theunissen. Wepener.
Alexandria. Butterworth. Calitzdorp. Clanwilliam. Idutywa. Prince Albert. Sutherland Willowmore.	Beaufort West. Burghersdorp. Cathcart. Ceres. Cradock. Elliot. George. Hermanus. Humansdorp. Middelburg. Montagu. Somerset East. Sterkstroom.	Beaufort West. Calitzdorp. Clanwilliam. Cradock. George. Hermanus. Idutywa. Middelburg. Prieska. Prince Albert. Willowmore.

Of the total of 325 Municipal electricity supply schemes reported upon by the Commission up to the end of the year 1936, 130 were new schemes.

Wolseley.

ANNEXURES.

The Commission submits for the year 1936, with this Report:—

ANNEXURE "A."

The Report of the Auditors.

Balance Sheet.

Schedule of Expenditure on Capital Account.

Statement showing the Investments of the Redemption Fund.

Account No. 1.—Redemption Fund Account, £500,000 Loan.

Account No. 2.—Redemption Fund Account, £2,500,000 Loan.

Account No. 3.—Redemption Fund Account, £6,750,000 Loan.

Account No. 4.—Redemption Fund Account, £2,500,000 Loan.

Account No. 5.—Redemption Fund Account, £2,000,000 Loan.

Account No. 6.-Reserve Fund Account.

Revenue and Expenditure Accounts in respect of:-

Account No. 7.-Natal Central Undertaking.

Account No. 8.—Witbank Undertaking.

Account No. 9.—Capetown Undertaking.

Statement of Pooled Costs-Salt River and Dock Road Power Stations.

Account No. 10.—Durban Undertaking.

Account No. 11.—Sabie Undertaking.

Account No. 12.-Klip Generating Station Undertaking.

Account No. 13.—Rand Extension Undertaking.

ANNEXURE "B."

Statement No. 1.—Summary of principal plant and equipment installed at the Commission's several Undertakings as at 31st December, 1936.

Statement No. 2.—Summary of principal plant and equipment in course of installation or on order as at 31st December, 1936.

Statement No. 3.—Showing the price or rent of land or rights or interests in or over land or other property acquired or hired by the Commission during the year 1936.

Statement No. 4.—Units sold to all consumers during the past 11 years.

Statement No. 5.—Power Station Statistics—1936.

Statement No. 6.—Particulars of coal used at the Commission's Steam-raising Power Stations.

ANNEXURE "C."

Union Statistics relating to the production and distribution of electricity. This information, which was extracted from the 1984/35 Industrial Census, is published in this Report by the courtesy of the Union Census and Statistics Office.

I have the honour to be

Sir,

Your obedient servant,

Huander Byf

ANNEXURE "A."

THE REPORT OF THE AUDITORS.

Johannesburg, May 18th, 1937.

The Chairman and Members,
Electricity Supply Commission,
Johannesburg.

GENTLEMEN,

We have completed the audit of the books and accounts for the year ended 31st December, 1936, and have to report as follows:—

REDEMPTION FUND.

In accordance with terms of the Schedule to the Electricity Act the Commission has established separate sections of the Fund relating to the various outstanding loans.

The method adopted by the Commission of providing for redemption of portions of loans in advance of the statutory requirements creates an obligation to maintain the various sections of the Fund at higher amounts than is contemplated by Clause 16 of the Schedule to the Act.

After investigation of the position of each loan we are satisfied that on a 3½ per cent. interest basis not only has an adequate sinking fund been provided to redeem each loan at maturity but that the various sections of the Redemption Fund are sufficient to cover the excess obligations of the Fund in view of the conservative and shorter terms of redemption being in many cases adopted by the Commission.

In the case of Loan No. 7 the final payments by stockholders were only due on December 31st, 1936. Application to the Minister to fix a date from which redemption of this loan shall commence has not yet been made. As certain funds of this loan were, however, expended on works in beneficial operation prior to December 31st, 1936, a small sum in respect of such works has been contributed during the year to the section of the Redemption Fund applicable to this loan.

HEAD OFFICE ADMINISTRATION AND GENERAL EXPENSES, INCLUDING PUBLICITY.

ENGINEERING EXPENSES.

The gross amount of this expenditure shows an increase compared with the previous year. Against this has been set off or credited:—

(1) Construction fees accruing to the Commission in connection with the Klip and Rand Extension Undertakings in terms of agreements with The Victoria Falls and Transvaal Power Co. Ltd.

- (2) A sum being part of an amount regarded as a construction fee in connection with Escom House, Johannesburg.
- (3) Other amounts transferred to cost of Capital Works at Undertakings for services of Head Office Staff.
- (4) Other amounts recoverable or chargeable to Revenue Account.

The expenditure so credited in (1), (2) and (3) above has been rightly capitalised.

The proportion of the net expenditure charged to Witbank (Power Station), Klip and Rand Extension Undertakings is determined by agreement with The Victoria Falls and Transvaal Power Co. Ltd. The remainder of the expenditure has been apportioned by the Commission between the other Undertakings on a basis considered equitable. We have no reason to take exception to this basis of apportionment which has been changed during 1936.

GENERAL.

As the result of our audit of the Books and Accounts of the Commission for the year 1936, and, subject to the foregoing remarks, in terms of Clause 13 (4) of the Electricity Act, 1922, we certify as follows:—

- (a) We have found the accounts of the Commission to be in order.
- (b) The accounts issued present a true and correct view of the financial position of the Commission and of its transactions and of the results of trading.
- (c) Due provision has been made for the redemption and repayment of moneys borrowed.
- (d) The value of the assets of the Commission is correctly stated.
- (e) Sums fixed by the Commission have been set aside to the Reserve Fund under Section 9 as prescribed.
- (f) All our requirements and recommendations as Auditors have been complied with and carried out.

Yours faithfully,

B. HALSEY.

ALEX. AIKEN & CARTER.

ANNEXURE "A."

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- (e) Sums fixed by the Commission have been set aside to the Reserve Fund under Section 9 as prescribed.
- (f) All our requirements and recommendations as Auditors have been complied with and carried out.

Yours faithfully,

B. HALSEY.

ALEX. AIKEN & CARTER.

Incorporated under the

BALANCE SHEET at

Loan No. 1: 6 Loan No. 2: 6						£3,000,000 5,000,000	0	0	£14,250,000	0	(
1	Less—Repaid	during	1933	and 1934	13.55	£8,000,000 8,000,000	0	0			
	Local Rep	gistered	Stock	ks-				_			
Loan No. 3.	41 per cent.	1953/63		1000	***	500,000	0	0			
Loan No. 4.	41 per cent.	1953		***		2,500,000	0	0			
Loan No. 5.	33 per cent.	1954/64	***	*000	3000	6,750,000	0	0			
Loan No. 6.	3½ per cent.	1959/64	***	***	***	2,500,000	0	0			
Loan No. 7.	31 per cent.	1956/66	***	122	235	2,000,000	0	0			
Interest Accrued	on Loan Cap	ital		****					66,822	4	
Sundry Loans		WORKS TO STATE OF THE PARTY OF							38,155	12	. 1
Umkomaas To	wn Board					10,380	0	0	00,100		900
Volksrust Mu						27,775					
								_			
Sundry Creditors	and Credit	Balance	s	***	***				410,636	8	
Pension Fund	•••	•••			***				77,276	6	8
Redemption Fund									1,122,954		
(As per Accou		to 5)	***	***	***				1,122,004	11	-
Loan No.						54,457	6	10			
Loan No.		***	***	****		574,206	3	ĭ			
Loan No.	5					456,621	3	4			
Loan No.		***	***	***	***	37,378	12	6			
Loan No.	7	***				291	6	0			
Sinking Fund (Umkomaas L	oan)								2,047	16	
Sundry Loans Ren	aid		***						489	11	-
Reserve Fund		15.55		•••	***						100
(As per Acco	unt No. 6)	***	200	•••	344				945,175	7	10
(As per Accor	ints Nos. 7	to 11)	•••						57,946	4	
Natal Cer	tral Undert	aking		***	***	16,173	6	0			
	Undertaking			***	***	15,458		4			
	Undertaking		***	***	***	14,960		2			
	ndertaking			***	•••	10,297	9	9			
Sabie Une	dertaking	***	•••	•••	•••	1,056	8	8			
mately £	lition to the on is commit- 2,108,000 fe also £65,400	ted to the	ne ex	tent of ar	proxi- Capital			_			

£16,971,504 3 3

H. J. VAN DER BIJL, Chairman. A. E. HARTE, C.A. (S.A.), Chief Accountant. Commission.

Electricity Act, 1922.

31st DECEMBER, 1936.

Expenditure on Capi											
(As per Sch		100 Per 100 Per 1				0110 105					
Land and Right	S	***	•••	•••	•••	£146,485		6			
Buildings and Ci	wil Works		•••	***	***	3,687,349	5	6			
Machinery and I	Plant	•••	•••	•••	•••	9,717,944	1	2	£13,551,778	18	5
Less—Net Reven Provision Act, 198	made prio made prio 0, for rep in reductio	r to F	inancial t of adv	ances,	appro-	132,724 123,650		7	210,001,770	10	
printed .			ap.uar				-	_	256,374	3	5
									13,295,404		
Movable Plant and E	quipment	(less d	lepreciat	ion)					54,035	19	7
Workshop Equip	ment, Ins	trumer	ts, Tool	ls and	Loose						
Plant				***		29,153					
Transportation I						3,422	12	6			
Furniture, Fixtu	res and F	ittings				21,459	18	2			
Stores and Materials									134,033	4	11
Sundry Debtors and					***				177,790	10	1
Investments	DUDIT DE	imiloud		***					606,911		
Cash on deposit	t interest	***	•••	***	***	605,431	5	0	000,022		
Interest Accrued	at meerest		***	***	***	1,480	5				
Interest Accrued	***	***	***	***	***		_	_			
Cash on Current Acc	ount		***	1000	***				499,214	7	9
Investment of Pensio	n Fund		***						79,983	15	10
Amount invested		ipal a	nd Elect	ricity S	Supply				\$1.40° \$1.00°		
Commission 8			***			79,608	12	10			
Interest Accrued						375	3	0			
Investment of Reden	nntion Eu	nd							1,202,018	2	9
(As per Statemen			•••	***	•••				1,202,010		_
Loan No. 3	nto accach	ou,		***		56,792	4	7			
Loan No. 4					:::	591,284		9			
Loan No. 5		***				492,143		6			
Loan No. 6						47,658	1	1			
Loan No. 7						14,139	11	3			
							_	-	0.07		
Investment of Sinking									2,274	6	6
Amount invested		ipal ar	nd Elect	ricity S	upply	0.000	0	0			
Commission 8	Stocks	222	***	22.5	***	2,263	2	2			
Interest Accrued	***	***	***	***	***	-11	4	4			
Investment of Reserv	ve Fund		112220						919,837	10	2
Amount invested			d Elect	ricity S	upply						-
Commission 8	Stocks and	Debe	ntures g	uarante	ed by						
the Governme	ent of the	Union	of Sout	h Afric	a	915,975	1	0			
Interest Accrued						3,862	9	2			

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

£16,971,504 3 3

Electricity Supply Commission.

SCHEDULE OF EXPENDITURE ON CAPITAL ACCOUNT to 31st December, 1936.

Expenditure in connection with Electricity Undertakings.	Total to 31st December, 1935.	Year ended 31st December, 1936.	Total to 31st December, 1936.
NATAL CENTRAL UNDERTAKING: Land and Rights Buildings and Civil Works Machinery and Plant	755,176 1 7	£3,235 12 3 26,465 13 2 205,301 16 1	£20,095 16 5 781,641 14 5 3,178,547 6 2
Provision made prior to Financial Adjustments Act, 1930, for repay- ment of Advances, appropriated in		235,003 1 6	3,980,284 17
reduction of Capital Expenditure	E3,621,631 14 0	£235,003 1 6	£3,856,634 15
WITBANK UNDERTAKING:			
Land and Rights Buildings and Civil Works Machinery and Plant	£9,221 3 2 577,569 3 7 1,693,257 8 6	£257 7 10 20,140 13 4 114,330 1 10	£9,478 11 (597,709 16 11 1,807,587 10 4
Net Revenue during Construction	Cr. 2,280,047 15 3 103,458 8 4	134,728 3 0	Cr. 2,414,775 18 3
	£2,176,589 6 11	£134,728 3 0	£2,311,317 9 11
CAPETOWN UNDERTAKING: Land and Rights Buildings and Civil Works Machinery and Plant	£22,733 13 4 687,745 14 2 1,496,844 13 1	£321 7 8 742 0 6 88,725 15 0	£23,055 1 0 688,487 14 8 1,585,570 8 1
Net Revenue during Construction	2,207,324 0 7 Cr. 5,019 2 1	89,789 3 2	2,297,113 3 8 Cr. 5,019 2 1
The Mevende during consultation	£2,202,304 18 6	£89,789 3 2	£2,292,094 1 8
DURBAN UNDERTAKING:			
Land and Rights Buildings and Civil Works Machinery and Plant	£29,822 2 4 354,265 9 8 720,029 2 9	Cr. £11 6 0 4,415 7 2 27,892 4 0	£29,810 16 4 358,680 16 10 747,921 6 9
Net Revenue during Construction	Cr. 1,104,116 14 9 15,121 15 4	32,296 5 2	Cr. 1,136,412 19 11 15,121 15 4
	£1,088,994 19 5	£32,296 5 2	£1,121,291 4 7
SABIE UNDERTAKING:	0.000,000		correction to the dis-
Land and Rights Buildings and Civil Works Machinery and Plant	£510 0 0 65,458 1 8 39,301 7 5	Ξ_	£510 0 0 65,458 1 8 39,301 7 5
Net Revenue during Construction	Cr. 105,269 9 1 9,124 15 10	= =	Cr. 105,269 9 1 9,124 15 10
KLIP GENERATING STATION	£96,144 13 3		£96,144 13 3
UNDERTAKING:	£3,108 13 3		£3,108 13 3
Buildings and Civil Works Machinery and Plant	600,304 1 6 1,149,215 5 8	£295,509 15 8 966,301 0 7	£3,108 13 3 895,813 17 2 2,115,516 6 3
	£1,752,628 0 5	£1,261,810 16 3	£3,014,438 16 8
RAND EXTENSION UNDERTAKING:			
Land and Rights Machinery and Plant	£407 7 9 153,425 6 9	£434 2 9 90,074 9 5	£841 10 6 243,499 16 2
	£153,832 14 6	£90,508 12 2	£244,341 6 8
HEAD OFFICE:	650 505 9 0		050 505 0 0
Land Building and Equipment	£59,585 3 0 82,398 13 11	£217,158 9 7	£59,585 3 0 299,557 3 6
OUMMARY.	£141,983 16 11	£217,158 9 7	£359,142 6 6
Land and Rights Buildings and Civil Works Machinery and Plant	£142,248 7 0 3,122,917 6 1 8,225,318 14 3	£4,237 4 6 564,431 19 5 1,492,625 6 11	£146,485 11 6 3,687,349 5 6 9,717,944 1 2
Net Revenue during Construction Provision made prior to Financial Adjustments Act, 1930, for repay- ment of Advances, appropriated in	11,490,484 7 4 Cr. 132,724 1 7	2,061,294 10 10	13,551,778 18 2 Cr. 132,724 1 7
reduction of Capital Expenditure	Cr. 123,650 1 10		Cr. 123,650 1 10
	£11,234,110 3 11	£2,061,294 10 10	£13,295,404 14 9

Electricity Supply Commission.

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £500,000 ELECTRICITY SUPPLY COMMISSION 4½% LOCAL REGISTERED STOCK, 1953/63 (LOAN No. 3) AS AT 31st DECEMBER, 1936.

£36 750	Electricity	Sunnly	Commission	130/	Local	Dogistared	Stools	1059/69	£10 066	0	11
				777			S. 15	*//	240,000	4	11
£17,000	Electricity	Supply	Commission	31%	Local	Registered	Stock,	1956/66	16,490	0	0
	Interest A	ccrued		•••	•				236	1	8
									£56 792	4	7

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £2,500,000 ELECTRICITY SUPPLY COMMISSION 4½% LOCAL REGISTERED STOCK, 1953 (LOAN No. 4) AS AT 31st DECEMBER, 1936.

£315,000	Union of South Africa 4½% Local Registered Stock, 1953	£315,000	0	0
£51,200	South African Iron and Steel Industrial Corporation, Limited, 5% Guaranteed First Mortgage Registered Debentures, 1946/71	51,200	0	0
£123,650	Electricity Supply Commission 4½% Local Registered Stock, 1953	123,650	0	0
£102,000	Electricity Supply Commission 3½% Local Registered Stock 1956/66	98,940	0	0
	Interest Accrued	2,494	9	9
		£591,284	9	9

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £6,750,000 ELECTRICITY SUPPLY COMMISSION 3\{\frac{1}{2}\%\} LOCAL REGISTERED STOCK, 1954/64 (LOAN No. 5) AS AT 31st DECEMBER, 1936.

£10,000	South African Iron Guaranteed First	and Steel Mortgage	Indu Regi	strial stered	Corporation Debenture	, Limi s, 1946	ted, 5%	£9,975	0	0
£46,950	Electricity Supply C	ommission	43%	Local	Registered	Stock,	1953/63	46,950	0	0
£291,650	Electricity Supply C	ommission	34%	Local	Registered	Stock,	1954/64	288,864	18	2
£148,000	Electricity Supply C	Commission	34%	Local	Registered	Stock,	1956/66	143,560	0	0
	Interest Accrued	***		••				2,793	18	4
								£492,143	16	6

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £2,500,000 ELECTRICITY SUPPLY COMMISSION 3½% LOCAL REGISTERED STOCK, 1959/64 (LOAN No. 6) AS AT 31st DECEMBER, 1936.

				_
		£47,658	1	1
	Interest Accrued	183	15	5
£20,000	Electricity Supply Commission 31% Local Registered Stock, $1956/66$	19,400	0	0
£600	Electricity Supply Commission 41% Local Registered Stock, 1953	600	0	0
£27,150	Electricity Supply Commission 3½% Local Registered Stock, 1959/64	£27,474	5	8

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £2,000,000 ELECTRICITY SUPPLY COMMISSION 3½% LOCAL REGISTERED STOCK, 1956/66 (LOAN No. 7) AS AT 31st DECEMBER, 1936.

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

Account No. 1.

Electricity Supply

Dr.

Redemption Fund Account for the in respect of £500,000 Electricity Supply Commission

To Balance as per Balance Sheet	•••	 			£54,457	6 10
Natal Central Undertaking		 	£171 3	2		
Witbank Undertaking		 	274 14	0		
Capetown Undertaking		 	36,372 18	7		
Durban Undertaking		 	17,638 11	1		

£54,457 6 10

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannes	burg,	
31st	March,	1937.

Commission.

Year ended 31st December, 1936,

Cr.

43% Local Registered Stock 1953/63 (Loan No. 3).

Balance at 31st December,		brought	forward	•••	NOTE OF STANSANS			£37,510	17	3
Natal Central Undertak	ing			•••	£113	5	11			
Witbank Undertaking	•••		•••		175	2	4			
Capetown Undertaking				•••	24,323	1	2			
Durban Undertaking		•••	•••		12,899	7	10			
Amounts Contributed duri	ng the	Year ou	it of Reve	nue				15,633	12	0
Natal Central Undertak	ing				53	18	0			
Witbank Undertaking		•••	•••		93	9	1			
Capetown Undertaking					11,198	11	3			
Durban Undertaking					4,287	13	8			
Interest Earned on Invest	ments							1,312	17	7
Interest Earned	•••				1,790	14	8			
Less—Appropriated in Investments	reduct 	ion of	Premium	on 	477	17	1			
Natal Central Undertak	ing				3	19	3			
Witbank Undertaking	•••	•••	•••		6	2	7			
Capetown Undertaking					851	6	2			
Durban Undertaking					451	9	7			

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Br.

Redemption Fund Account for the in respect of £2,500,000 Electricity Supply Commission

TO Balance as per Balance Sheet	•••	 •••				£574,206	3	1	
Natal Central Undertaking		 •••	£6,735	19	10				
Witbank Undertaking		 •••	388,696	17	5				
Capetown Undertaking		 	13,760	19	11				
Durban Undertaking	•••	 •••	137,678	0	11				
Sabie Undertaking	•••	 •••	26,365	4	3				
Head Office		 	969	0	9				

£574,206 3 1

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Commission.

Year ended 31st December, 1936, 4½% Local Registered Stock 1953 (Loan No. 4).

Cr.

By Balance at 31st December, 1935, brought forward £3,051 8 3 Witbank Undertaking 336,374 6 9 Capetown Undertaking 6,940 18 3 Durban Undertaking 112,844 3 11 Sabie Undertaking 22,713 5 4 Head Office 767 16 5 ,, Amounts Contributed during the Year out of Revenue Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	
Witbank Undertaking 336,374 6 9 Capetown Undertaking 6,940 18 3 Durban Undertaking 112,844 3 11 Sabie Undertaking 767 16 5 Head Office 70,322 17 Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	11
Capetown Undertaking 6,940 18 3 Durban Undertaking 112,844 3 11 Sabie Undertaking 22,713 5 4 Head Office 767 16 5 , Amounts Contributed during the Year out of Revenue 70,322 17 Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	
Durban Undertaking 112,844 3 11 Sabie Undertaking 22,713 5 4 Head Office 767 16 5 ,, Amounts Contributed during the Year out of Revenue 70,322 17 Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	
Sabie Undertaking 22,713 5 4 Head Office 767 16 5 ,, Amounts Contributed during the Year out of Revenue 70,322 17 Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	
Head Office 767 16 5 ,, Amounts Contributed during the Year out of Revenue 70,322 17 Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	
,, Amounts Contributed during the Year out of Revenue 70,322 17 Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	
Natal Central Undertaking 3,501 18 6 Witbank Undertaking 37,794 17 7	
Witbank Undertaking 37,794 17 7	2
그는 그녀가 보다면 하는 그렇게 살아가는 이렇게 하는 것이 되었다. 그리고	
그 그 사람들은 경에 가는 경영화 발전에 가면 가는 사람들이 그 사람들이 그 사람들이 가는 사람들이 가는 사람들이 가는 사람들이 가는 사람들이 되었다. 그렇다	
Capetown Undertaking 6,414 16 2	
Durban Undertaking 19,801 7 8	
Sabie Undertaking 2,643 7 9	
Head Office 166 9 6	
" Nett Proceeds of Sales of Fixed Property 122 19	2
Witbank Undertaking 40 6 7	
Durban Undertaking 54 1 7	
Sabie Undertaking 28 11 0	
" Interest Earned on Investments 21,068 7	10
Interest Earned 22,464 2 1	
Less—Premium on Investments written off 1,395 14 3	
Natal Central Undertaking 182 13 1	
Witbank Undertaking 14,487 6 6	
Capetown Undertaking 405 5 6	
Durban Undertaking 4,978 7 9	
Sabie Undertaking 980 0 2	
Head Office 34 14 10	

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Dr.

Redemption Fund Account for the in respect of £6,750,000 Electricity Supply Commission

Γο Balance as per Balance She	eet		 				£456,621	3	
Natal Central Undertak	ing		 	£177,789	12	10			
Witbank Undertaking			 	135,316	8	5			
Capetown Undertaking			 	91,692	8	7			
Durban Undertaking		•••	 ***	42,741	8	4			
Sabie Undertaking			 •••	8,702	12	4			
Head Office			 •••	378	12	10			

£456,621 3 4

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Commission.

Year ended 31st December, 1936,

Cr.

Account No. 3.

32% Local Registered Stock, 1954/64 (Loan No. 5).

y Balance at 31st December,		brought	forward	•••				£310,460	12	:
Natal Central Undertak	ing			•••	£103,113	2	10			
Witbank Undertaking		•••		•••	112,775	5	10			
Capetown Undertaking	•••				52,507	5	3			
Durban Undertaking					34,304	14	0			
Sabie Undertaking		•••			7,526	4	11			
Head Office	•••	•••	•••		233	19	5			
, Amounts Contributed durin	ng the	Year ou	t of Reve	nue				132,217	19	1
Natal Central Undertak	ing				69,677	17	3			
Witbank Undertaking					18,049	5	10			
Capetown Undertaking		•••	•••		36,417	9	11			
Durban Undertaking					7,057	5	6			
Sabie Undertaking		•••			882	6	8			
Head Office					133	14	0			
, Net Proceeds of Sales of Fi	xed Pi	operty			A			336	11	
Natal Central Undertak			2707		83	0	0			
Witbank Undertaking					12	6	4			
Capetown Undertaking		***			241	5	1			
Interest Formed on Invest					\$ 			10.000	^	
, Interest Earned on Invest Natal Central Undertak		***	****	•••	4.015	10	^	13,606	U	1
	-6	•••	•••	•••	4,915		9			
Witbank Undertaking	•••	•••	•••	•••	4,479					
Capetown Undertaking	•••	•••	•••	•••	2,526					
Durban Undertaking	•••	•••	***	•••	1,379	3,70				
Sabie Undertaking	•••	•••	•••	•••	294		9			
Head Office	•••		••••	•••	10	19	5			

£456,621 3 4

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

Br.

Redemption Fund Account for the

in respect of £2,500,000 Electricity Supply Commission

To Balance as per Balance Sheet £37,378 12 6

Klip Generating Station Undertaking £33,071 14 6

Rand Extension Undertaking 4,306 18 0

£37,378 12 6

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg,

31st March, 1937

Commission.

Year ended 31st December, 1936,

Cr.

£720 5 11

36,658 6 7

£37,378 12 6

Account No. 4.

3½% Local Registered Stock, 1959/64 (Loan No. 6).

Rand Extension Under	•	ought	forward				
" Amounts contributed duri	ng the Ye	ar out	of Reve	nue			
Klip Generating Statio	n Underta	king		***	£33,071	14	6
Rand Extension Under	taking		•••		3,586	12	1
" Interest Earned on Invest	ments—						_
Interest Earned					314	13	5
Less-Appropriated in	reduction	of :	Premium	on			
Investments		•••	•••	•••	314	13	5

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Ør.

Redemption Fund Account for the

in respect of £2,000,000 Electricity Supply Commission

To Balance as per Balance Sheet	•••	 •••				£291	6	0
Natal Central Undertaking		 	£3	0	7			
Capetown Undertaking		 	27	15	10			
Klip Generating Station Under	rtaking	 	152	0	4			
Rand Extension Undertaking		 	108	9	3			

£291 6 0

Rand Extension Undertaking

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

Commission.										
Four Months ended 31st December, 1936, 3½% Local Registered Stock 1956/66 (Loan No.	31% Local Registered Stock 1956/66 (Loan No. 7).									
By Amounts contributed during the Year out of Reve	enue			£290 14 0						
Natal Central Undertaking		£3	0 7							
Capetown Undertaking		27 1	4 8							
Klip Generating Station Undertaking		151 1	3 8	į						
Rand Extension Undertaking		108	5 1							
" Interest Earned on Investments				12 0						
Capetown Undertaking			1 2	2						
Klip Generating Station Undertaking			6 8	3						

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

> ALEX. AIKEN & CARTER, Auditors. B. HALSEY,

Account No. 5.

Đr.

Reserve Fund Account for the

To Ex	penditure during the	Year on	Replac	ements	and						
E	Betterment			•••	•••				£14,063	8	1
	Natal Central Undert	aking			•••	£4,584	13	4			
	Witbank Undertaking			•••		6,949	15	5			
	Capetown Undertaking	···				2,453	19	4			
	Durban Undertaking					75	0	0			
							_	_			
,, Ba	lance as per Balance She	et			•••				945,175	7	10
	Natal Central Undert	aking			•••	413,220	15	9			
	Witbank Undertaking		•••			216,453	6	1			
	Capetown Undertaking			•••		186,501	19	7			
	Durban Undertaking		•••	***		105,727	8	6			
	Sabie Undertaking					8,450	17	9			
	Klip Generating Static	on Under	taking			13,070	6	1			
	Rand Extension Under	taking				1,750	14	1			
							_	_			

£959,238 15 11

Account No. 6.

Commission.

Year ended 31st December, 1936.

Cr.

By Balance at 31st December, 193	5, brought	forward					£786,220	16	7
Natal Central Undertaking		•••		£365,359	16	7			
Witbank Undertaking	•••		•••	180,254	13	11			
Capetown Undertaking				146,327	10	5			
Durban Undertaking		•••		86,482	8	10			
Sabie Undertaking	•••			7,514	3	10			
Rand Extension Undertaki	ng		•••	282	3	0			
,, Amounts set aside during the Accounts	•••	per Reve	nue 				137,279	12	8
Natal Central Undertaking				36,000	0	0	101,210	12	0
Witbank Undertaking				35,000	0	0			
Capetown Undertaking		•••		36,000	0	0			
Durban Undertaking		•••		15,300	0	0			
Sabie Undertaking				600	0	0			
Klip Generating Station U	ndertaking			12,940	9	9			
Rand Extension Undertakin	ng			1,439	2	11			
" Interest Earned on Investment	is						35,738	6	8
							£959,238	15	11
									_

NATAL CENTRAL

Dr.

Revenue Account for the Year

			Gene	ration	of Elect	ricity.						
To O	peration—		9390000									
CABINAL-SI	Fuel			•••	•••		£76,545	9	5			
	Water, Oil, W	aste and	Stores			•••	1,051	18	3			
	Salaries and V	Vages			***	•••	17,400	5	1			
	Other Expenses	s		***	•••	•••	87	17	9			
,, M	laintenance—											
***	Stores	•••		•••	•••	•••	6,955		2			
	Salaries and V	Wages			•••	***	9,443		3			
	Other Expenses	s	***		***	***	641	12	3		255	120
5520		20							-	£112,126		2
,, E	lectricity Purch	ased	•••		•••	•••				302	4	11
			Distri	bution	of Elec	tricity.						
,, 0	peration and Ma	aintenance	_									
	Stores					•••	3,198		7			
	Salaries and V	Vages		•••	****	***	15,378	13	2			
	Other Expense					•••	3,802	3	7			
	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT							-		22,379	12	4
			G	eneral	Expense	es.						
Τ.	ocal Administra	tion and					6,402	11	6			
	eneral Expenses						0,102					
,, ~	Stores Expens	es Rates	Insura	nce. I	Pension	Fund						
	Contributions,		,	, -			10,714	15	1			
Tr	evestigations and		ment Ex	menses			54		8			
	lead Office Admi					:::	0.1					
,,	including Publ						9,080	1	6			
E	ngineering Expe		***				2,864		9			
,, 1	angineering Dap	OHOOD	•••							29,116	10	6
										163,924	18	11
,, Ir	nterest									138,458		2
	edemption Fund		572	10000						.775.655.55		
", —	Loan No. 3											
			222		200		53	18	0			
	Loan No. 4						53 3,501		6			
						•••	3,501	18				
	Loan No. 4	•••	 	 	:::	•••		18 17	6			
	Loan No. 4 Loan No. 5		::: :::	 	:::	•••	3,501 69,677	18 17	6	73,236	14	4
R	Loan No. 4 Loan No. 5 Loan No. 7	::-	:::		:::	 :::	3,501 69,677	18 17	6	73,236 489		4 2
	Loan No. 4 Loan No. 5 Loan No. 7 Lepayment Volks	rust Loan			:::		3,501 69,677	18 17	6			
,, A:	Loan No. 4 Loan No. 5 Loan No. 7 epayment Volks mount set aside	rust Loan to Reser			:::		3,501 69,677	18 17	6	489	11	2
,, A:	Loan No. 4 Loan No. 5 Loan No. 7 Lepayment Volks	rust Loan to Reser		•••	:::		3,501 69,677	18 17	6	36,000 718	11 0	0
,, A:	Loan No. 4 Loan No. 5 Loan No. 7 epayment Volks mount set aside	rust Loan to Reser		•••	:::		3,501 69,677	18 17	6	489 36,000	11 0	0
,, A	Loan No. 4 Loan No. 5 Loan No. 7 epayment Volks mount set aside alance carried d	rust Loan to Reser down	ve Fund	•••	:::		3,501 69,677	18 17	6	36,000 718 £412,828	11 0 4 5	0 0
,, A	Loan No. 4 Loan No. 5 Loan No. 7 epayment Volks mount set aside	rust Loan to Reser down	ve Fund	•••	:::		3,501 69,677	18 17	6	36,000 718	11 0 4 5	2 0 0 7
,, A	Loan No. 4 Loan No. 5 Loan No. 7 epayment Volks mount set aside alance carried d	rust Loan to Reser down	ve Fund	•••	:::		3,501 69,677	18 17	6	36,000 718 £412,828	11 0 4 5	7 0

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

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ALTIN TO	1111114	atout.

UNDERTAKING.

ended 31st December, 1936.

Cr.

By Sales of Electricity-									
Traction Supplies			 	£325,839	14	11			
Bulk Supplies			 ***	55,140	6	7			
Industrial Supplies		•••	 	18,101	7	5			
Domestic and Lighting	Supplies		 	9,639	17	10			
				_		_	£408,721	6	9
Other Revenue			 				4,106	18	10

							£412,828	5	7
By Balance ,, Balance	at 31st brought	December, down	1935, 	brought	forward	***	£15,455 718		
							£16,173	6	0

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Br.

Revenue Account for the Year

		Gen	eration	of Elec	tricity.						
To	Operation— Fuel					£72,817	-	10			
	Water, Oil, Waste and	Stores	•••	•••	•••	5,686	3	2			
	Salaries and Wages		•••	•••	•••	25,269	2	3			
	Other Expenses	•••	•••	•••	:::	1,289		8			
		****	***	•••	***	1,200	10	O			
"	Maintenance—					11 710	^				
	Stores	•••	***	•••	•••	11,710					
	Salaries and Wages	•••	•••	•••	•••	12,696 11,256					
	Other Expenses	•••	•••	•••	•••	11,200	14	3	£140,725	10	0
		Dist	ribution	of Elec	tricity.				£140,720	10	C
	Operation and Maintenance				7.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.						
.,,	Stores					2.614	6	8			
	Salaries and Wages					3,644	7	2			
	Other Expenses	***		•••	***	613	13	4			
								_	6,872	7	2
	Local Administration and General Expenses (including		al Mana			6,966	7	1			
,,,	Stores Expenses, Rates	, Insur	ance, I	ension	Fund						
	Contributions, etc.)					9,504	19	5			
,,	Administration Engineering	or and	General	Expens	es of						
"	Administration Engineering	or and	General Falls a	Expense nd Tran	es of isvani						
"	Administration Engineering	or and	General Falls a	Expens nd Tran	es of isvaal	7,000	0	0			
,,	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop	g and Victoria d) oment E	Falls a	nd Tran	isvaal 	7,000 33	0	0 2			
,,	Administration, Engineerin Operating Party (The V Power Company, Limit Investigations and Develop Head Office Administration	g and Victoria d) oment E	Falls a	nd Tran	isvaal 	33	0	2			
,,	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develor Head Office Administration including Publicity	g and Victoria d) oment E	Falls a	nd Tran	isvaal 	6,153	0 16	2			
,,	Administration, Engineerin Operating Party (The V Power Company, Limit Investigations and Develop Head Office Administration	g and Victoria d) oment E	Falls a Expenses Genera	nd Tran	enses,	33	0 16	2	21 500	15	
,,	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develor Head Office Administration including Publicity	g and Victoria d) oment I on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2	31,599	15	C
,,	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develor Head Office Administration including Publicity	g and Victoria d) oment I on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2			_
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses	g and Victoria d) oment I on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2	179,198	0	10
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratio including Publicity Engineering Expenses Interest	g and Victoria d) oment I on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2		0	10
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratic including Publicity Engineering Expenses Interest Redemption Fund—	g and Victoria d) oment I on and	Falls a Expenses Genera	nd Tran	enses,	6,153 1,941	0 16 12	2 1 3	179,198	0	10
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratic including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3	g and Victoria d) oment I on and	Falls a Expenses Genera	nd Tran	enses,	33 6,153 1,941	0 16 12 9	1 3 —	179,198	0	10
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratic including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4	g and Victoria d) oment I on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 	179,198	0	10
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratic including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3	g and Victoria d) oment I on and	Falls a Expenses Genera	nd Tran	enses,	33 6,153 1,941	0 16 12 9	1 3 	179,198 94,956	0 5	10
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratic including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5	ng and Victoria d) oment Fon and 	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 	179,198 94,956	0 5	107
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratio including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Amount set aside to Reser	ng and Victoria d) oment Fon and 	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 	179,198 94,956 55,937 35,000	0 5	10 7
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratic including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5	ng and Victoria d) oment Fon and 	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 	179,198 94,956 55,937 35,000 3,972	0 5 12 0 2	10 7 6 0 1
"	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratio including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Amount set aside to Reser	ng and Victoria d) oment Fon and 	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 	179,198 94,956 55,937 35,000	0 5 12 0	10 7
" " " "	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratio including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Amount set aside to Reser	g and Victoria d) d) ment Fon and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 	179,198 94,956 55,937 35,000 3,972	12 0 2	10 7
,, ,, ,,	Administration, Engineerin Operating Party (The V Power Company, Limite Investigations and Develop Head Office Administratic including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Amount set aside to Reser Balance carried down	g and Victoria d) d) ment Fon and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 	179,198 94,956 55,937 35,000 3,972 £369,064	12 0 2 1	10 7 6 0 1

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937. Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

Account No. 8.

By Sales of Electricity— Bulk Supplies				£286,918	12	2			
Industrial Supplies	 			71,705		3			
Domestic and Lighting		***	***	6,042		0			
000-40100000000000000000000000000000000				3	_	_	£364,665	19	5
"Other Revenue	 		***				4,398	1	7

					£369,064	1	0
By Balance ,, Balance		1935, 	brought	forward	 £11,486 3,972		
					£15,458	10	4

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

CAPETOWN

Dr.

Revenue Account for the Year

	Gene	ration of	Elec	tricity.						
To Proportion of Pooled Costs (As per attached Stateme	ent)			•••				£106,668	6	
	Distr	ibution o	f Elec	ctricity.						
,, Operation and Maintenance	_									
Stores		***			£2,574					
Salaries and Wages	***	***			12,879		2			
Other Expenses		•••	•••		4,976	0	3	20,430	0	
	0	eneral E	xpens	es.			111	20,400	U	
", Local Administration and T ", General Expenses (includin Stores Expenses, Rates,	g Maint	enance o	f Qua	rters, Fund	7,271	7	11			
Contributions, etc.) ,, Head Office Administratio		General		enses,	9,644	14	11			
including Publicity					7,523	9	9			
" Engineering Expenses			•••		2,373		4			
Less-Charged to Pooled	Costs	•••			26,813 2,795		11 4	24,018	6	
								151.116	13	
,, Interest			***		90,740	4	5	101,110	10	
Loan No. 3					11,198	11	3			
Loan No. 4					6,414	16	2			
Loan No. 5	***	***	***		36,417					
Loan No. 7		***		2000	27		8			
"Amount set aside to Reser	ve Fund		•••	***	36,000	0	0			
Less-Charged to Pooled	Costs				180,798 43,080					
,, Balance carried down							_	137,718 1,789		
								-		_
								£290,624	14	
lo Balance as per Balance Sh	eet							£14,960	10	

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

By Sales of Electricity—									
Traction Supplies		***	***	£154,051	8	7			
Bulk Supplies				30,286	12	4			
Industrial Supplies	•••	•••	***	71,411	8	0			
Domestic and Lighting Supplies	•••		***	31,936	6	6			
					_	_	£287,685 1	5	5
" Other Revenue	****			4,367	9	7			
Less-Credited to Pooled Costs				1,428	10	5			
						_	2,938 1	9 5	2

						£290,624	14	7
By Balance ,, Balance	at 31st brought	December, down	1935, 	brought	forward 	 £13,171 1,789	18	8
						£14,960	10	2

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Electricity Supply Commission

SALT RIVER AND DOCK

Dr.

Statement of Pooled Costs for the Year ended

	Expendi by Elect Supp Commis	ricit ly	У	Expendi by City Capeto	of	f	Pooled C	Cost	ts.
Pooled Generation of Electricity.									
To Operation and Maintenance—						- !			
Fuel	£195,947	18	11	£18,780	1	9	£214,728	0	8
Water, Oil, Waste and Stores	7,555	5	5	2,111	10	6	9,666	15	11
Salaries and Wages	13,435	1	7	11,221	1	5	24,656	3	0
Other Expenses	14,455	12	7	1,821	1	4	16,276	13	11
,, General Expenses (including Stores Expenses, Rates, Insurance, Pen- sion Fund Contributions, etc.)	2,795	1	4	2,010	4	4	4,805	5	8
" Interest	22,231	9	5		_		22,231	9	5
,, Redemption Fund	18,393	19	11		_		18,393	19	11
,, Reserve Fund	2,454	14	5		-		2,454	14	5
	£277,269	3	7	£35,943	19	4	£313,213	2	11

Capetown,

31st March, 1937.

and City of Capetown.

ROAD POWER STATIONS.

31st December, 1936, and Allocation thereof.

Cr.

By Allocation of Pooled Costs in term	s of Ag	reement-	-						
Electricity Supply Commission	***	•••	***	£106,668					
City of Capetown	•••		***	204,705	14	9			
					_	_	£311,374	1	
,, Sundry Revenue—									
Electricity Supply Commission				1,428	10	5			
City of Capetown				410	11	3			
					_	_	1,839	1	
				I					
							£313,213	2	

GEO. H. SWINGLER,
Manager of the Pooled Stations.

DURBAN

Revenue Account for the Year

		Gene	ration of	Elect	tricity.						
To	Operation—					1000111111	22.2	-123			
	Fuel		***		•••	£92,265		5			
	Water, Oil, Waste and	Stores	•••		***	1,246	2	7			
	Salaries and Wages	***	•••	***	•••	13,346		9			
	Other Expenses	***	***	•••		880	8	6			
••	Maintenance—										
	Stores					6,514		3			
	Salaries and Wages					12,972	3	7			
	Other Expenses		***		• • • •	861	5	9			
	saa omaa ah oo a						_	_	£128,086	16	10
	Electricity Purchased								1,251	15	11
		Dietrik	ution of	Flecti	ricity				1000		
	Operation and Maintenance-		dition of	Licoti	illity.						
.,	Ctores					310	19	10			
	Salaries and Wages	•••	•••	•••	•••	1,208					
	Other Expenses		***		***	370		5			
	Other Expenses		***		***	3/0	0	0	1,889	10	
		6	eneral E	xpens	AS.				1,009	19	1
	T 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-			4 0 00	^	•			
"	Local Administration and T General Expenses (including Stores Expenses, Rates,	g Maint	enance o	f Qua	rters,	4,953	2	8			
			moo, a ca		* *****						
	Contributions, etc.)					5,060					
,,						5,060 511					
"	Contributions, etc.) Investigations and Development Head Office Administration	ment Ex	rpenses			511	4	11			
,,	Contributions, etc.) Investigations and Development Head Office Administration including Publicity	ment Ex	rpenses		•••	511 5,448	0	11 11			
"	Contributions, etc.) Investigations and Development Head Office Administration	ment Ex n and	rpenses General	 Expe	enses,	511	0	11 11	17.691	17	4
,,	Contributions, etc.) Investigations and Development of the Administration including Publicity Engineering Expenses	ment Exn and	cpenses General	Expe	enses,	511 5,448	0	11 11	17,691 148,920 49,349	9	2
,,	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	ment Ex n and	rpenses General	Expe	enses,	511 5,448	0	11 11		9	2
,, ,,	Contributions, etc.) Investigations and Development of the Administration including Publicity Engineering Expenses Interest Redemption Fund—	ment Exn and	cpenses General	Expe	enses,	511 5,448 1,718	4 0 18	11 8 -	148,920	9	2
,,	Contributions, etc.) Investigations and Development of the Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3	ment Exn and	cpenses General	 Expe	enses,	5,448 1,718 4,287	4 0 18	11 11	148,920	9	2
"	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	ment Exn and	rpenses General 	 Expe	enses,	5,448 1,718 4,287 19,801	13	11 8 8	148,920	9	2
"	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4	ment Exn and	cpenses General	 Expe	enses,	5,448 1,718 4,287	13 7	11 11 8 — 8 8	148,920	9 8	11
""	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5	ment Exn and	General	 Expe	enses,	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349	9 8	11
	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Sinking Fund	ment Exn and	General	 Expe	enses,	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146	9 8	10
,,	Contributions, etc.) Investigations and Develops Head Office Administration including Publicity Engineering Expenses Interest	ment Exn and	General	Expe	 enses, 	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255	9 8 6 5 0	10
,,	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Sinking Fund	ment Exn and	General	Expe	enses,	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255 15,300 2,213	9 8 6 5 0 16	10 6 6 8
,,	Contributions, etc.) Investigations and Develops Head Office Administration including Publicity Engineering Expenses Interest	ment Exn and	General	Expe	 enses, 	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255 15,300	9 8 6 5 0 16	10 6
"	Contributions, etc.) Investigations and Develops Head Office Administration including Publicity Engineering Expenses Interest	ment Ex n and 	General	Expe	 enses, 	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255 15,300 2,213	9 8 6 5 0 16	10 6 6 8

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

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11	1111		пипи	

UNDERTAKING.

ended 31st December 1936.

уy	Sales of Ele Bulk Supp	olies			•••		£241,951	6	3			
	Industrial			•••	•••	•••	682		5			
	Domestic	and Lighting	Supplie	es	•••	***	4,002	6	10	£246,636	1	Ш
"	Other Reven	ue	•••	•••	•••					549	5	12.4
										£247,185	7	0.0
y]	Balance at 3	lst Decembe	r, 1935,	brought	forward					£8,083	13	
	Balance brou		• • • • • • • • • • • • • • • • • • • •							2,213	16	1

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Auditors.

£10,297 9 9

SABIE

70	
19H	1.

Revenue Account for the Year

To Operation—	Gen	eration	of Elect	ricity.						
Water, Oil, Waste and	Stores				£47	0	2			
Salaries and Wages					1,738					
, Maintenance—					1,,,,,					
O4					876	14	7			
Salaries and Wages	•••	•••	•••	•••	275	-	i			
Other Expenses	•••	•••	***	•••	135		8			
Omer Expenses		•••	•••	•••	100	10	_	£3,073	14	11
	Dist	ribution	of Elec	tricity.				,		
,, Operation and Maintenan	ce—									
Stores			***		44	3	4			
Salaries and Wages					318	14	3			
Other Expenses					142	16	11			
Control of the Contro			00000 Name	ACES	•		-	505	14	6
T . 1 43			Expens		014					
" Local Administration and					314	4	0			
"General Expenses (includ				-	054					
Insurance, Pension Fu				•••	254	3	0			
" Head Office Administrat	on and		22 (3)		778	5	10			
	•••	•••	•••	•••	245	10.75	3			
,, Engineering Expenses	•••			•••		11	_	1,592	4	1
								5,171	13	6
" Interest								4,248	7	5
" Redemption Fund—								125		
Loan No. 4			•••	•••	2,643		9			
Loan No. 5	***	•••	•••	***	882	6	8	9 505	14	-
A	77	3						3,525		5
"Amount set aside to Rese	erve Fun	α	•••	•••				600		0
,, Balance carried down	•••	•••	***	•••				358	10	1
								£13,904	11	5
To Balance as per Balance Si	heet							£1,056	8	3

A. E. HARTE, C.A. (S.A.), Chief Accountant	A.	E.	HARTE,	C.A.	(S.A.),	Chief	Accountant
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Johannesburg, 31st March, 1937.

y	Sales of Electricity Mining Supplies
,	Other Revenue

Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

By Sales of Electricity Mining Supplies		 	 	***	£13,881 12	5
" Other Revenue	 	 	 		22 19	0

						£13,904	11	5
By Balance		1935, 	brought	forward	 	 £697 358		100
						£1,056	8	3

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER,)
B. HALSEY,

Commission.

STATION UNDERTAKING.

10th March to 31st December, 1936.

Cr.

Account No. 12.

By Sales of Electricity-Bulk Supplies £202,172 16 11 " Other Revenue 1,714 2 3

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Auditors.

£203,886 19 2

Electricity Supply

KLIP GENERATING

Dr.

Revenue Account for the Period

	G	ENERA	TION OF	ELEC	TRICIT	ry.					
То	Operation—										
	Fuel					£76,888	16	7			
	Water, Oil Waste and	Stores				1,662	7	1			
	Salaries and Wages					12,287	18	7			
	Other Expenses		***			1,537	7	7			
,,	Maintenance—				17						
	Stores	0.30			• • • •	899	4	5			
	Salaries and Wages	(27.5)	222	***		2,622	17	8			
	Other Expenses		•••			1,105	8	9	£97.004	0	8
		GE	NERAL E	XPEN	SES.						
,,	Local Administration and	Technic	al Manag	gement		3,576	9	1			
,,	General Expenses (including Stores Expenses, Rates	g Main	tenance o ance, Per	f Quar	ters, und	0.000	- 10	•			
	Contributions, etc.)		a			3,066	13	9			
"	Administration, Engineering	g and	General I	Expense	s of						
	Operating Party (The V Power Company, Limite	ed)	rans and			6,575	1	9			
22	Head Office Administration	693				10.4.17(10.75)					
,,	including Publicity					2,050	1	6			
***	Engineering Expenses					646	16	7			
	The Contract of the Contract o						-	_	15,915	2	8
									112,919	3	4
,,	Interest								44,803	17	11
	Redemption Fund-										
	Loan No. 6					33,071	14	6			
	Loan No. 7		***	1000		151		8			
					18			_	33,223	8	2
,,	Amount set aside to Reserv	e Fund	***	***					12,940	9	9
									£203,886	19	2

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

RAND EXTENSION

Dr. Revenue Account for the Year

				Genera	I Exp	enses.						
То	General Expens	es (Insuran	ce)			•••	£25	1	0			
,,	Head Office A	Idministration	on and	General	Expe	enses,	220	16	3			
,,	Engineering Ex	penses		***			69	13	5	£315	10	8
	Interest			***						5,476	4	6
"	Redemption Fu Loan No. 6			***		***	3,586	12	1			
	Loan No. 7	***			•••	***	108	5	1	3,694	17	2
,,	Amount set asi	de to Reser	ve Fund	l						1,439	2	11
										£10,925	15	3

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

Account No. 13.

By Amount Recovered from The Victoria Falls and Transvaal Power Company, Limited £10,925 15 3

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Incorporated under the

BALANCE SHEET at

Loan No. 1: 6 Loan No. 2: 6						£3,000,000 5,000,000	0	0	£14,250,000	0	(
1	Less—Repaid	during	1933	and 1934	13.55	£8,000,000 8,000,000	0	0			
	Local Rep	gistered	Stock	ks-				_			
Loan No. 3.	41 per cent.	1953/63		1000	***	500,000	0	0			
Loan No. 4.	41 per cent.	1953		***		2,500,000	0	0			
Loan No. 5.	33 per cent.	1954/64	***	*000	3000	6,750,000	0	0			
Loan No. 6.	3½ per cent.	1959/64	***	***	***	2,500,000	0	0			
Loan No. 7.	31 per cent.	1956/66	***	122	235	2,000,000	0	0			
Interest Accrued	on Loan Cap	ital		****					66,822	4	
Sundry Loans		WORKS TO STATE OF THE PARTY OF							38,155	12	. 1
Umkomaas To	wn Board					10,380	0	0	00,100		900
Volksrust Mu						27,775					
								_			
Sundry Creditors	and Credit	Balance	s	***	***				410,636	8	
Pension Fund	•••	•••			***				77,276	6	8
Redemption Fund									1,122,954		
(As per Accou		to 5)	***	***	***				1,122,004	11	-
Loan No.						54,457	6	10			
Loan No.		***	***	****		574,206	3	ĭ			
Loan No.	5					456,621	3	4			
Loan No.		***	***	***	***	37,378	12	6			
Loan No.	7	***				291	6	0			
Sinking Fund (Umkomaas L	oan)								2,047	16	
Sundry Loans Ren	aid		***						489	11	-
Reserve Fund		15.55		•••	***						100
(As per Acco	unt No. 6)	***	200	•••	344				945,175	7	10
(As per Accor	ints Nos. 7	to 11)	•••						57,946	4	
Natal Cer	tral Undert	aking		***	***	16,173	6	0			
	Undertaking			***	***	15,458		4			
	Undertaking		***	***	***	14,960		2			
	ndertaking			***	•••	10,297	9	9			
Sabie Une	dertaking	***	•••	•••	•••	1,056	8	8			
mately £	lition to the on is commit- 2,108,000 fe also £65,400	ted to the	ne ex	tent of ar	proxi- Capital			_			

£16,971,504 3 3

H. J. VAN DER BIJL, Chairman. A. E. HARTE, C.A. (S.A.), Chief Accountant. Commission.

Electricity Act, 1922.

31st DECEMBER, 1936.

Expenditure on Capi											
(As per Sch		100 PM 100 PM 1				0110 105					
Land and Right	S	***	•••	•••	•••	£146,485		6			
Buildings and Ci	wil Works		•••	***	***	3,687,349	5	6			
Machinery and I	Plant	•••	•••	•••	•••	9,717,944	1	2	£13,551,778	18	5
Less—Net Reven Provision Act, 198	made prio made prio 0, for rep in reductio	r to F	inancial t of adv	ances,	appro-	132,724 123,650		7	210,001,770	10	
printed .			ap.uar				-	_	256,374	3	5
									13,295,404		
Movable Plant and E	quipment	(less d	lepreciat	ion)					54,035	19	7
Workshop Equip	ment, Ins	trumer	ts, Tool	ls and	Loose						
Plant				***		29,153					
Transportation I						3,422	12	6			
Furniture, Fixtu	res and F	ittings				21,459	18	2			
Stores and Materials									134,033	4	11
Sundry Debtors and					***				177,790	10	1
Investments	DUDIT DE	imiloud		***					606,911		
Cash on deposit	t interest	***	•••	***	***	605,431	5	0	000,022		
Interest Accrued	at meerest		***	***	***	1,480	5				
Interest Accrued	***	***	***	***	***		_	_			
Cash on Current Acc	ount		***	1000	***				499,214	7	9
Investment of Pensio	n Fund		***						79,983	15	10
Amount invested		ipal a	nd Elect	ricity S	Supply				\$1.40° \$1.00°		
Commission 8			***			79,608	12	10			
Interest Accrued						375	3	0			
Investment of Reden	nntion Eu	nd							1,202,018	2	9
(As per Statemen			•••	***	•••				1,202,010		_
Loan No. 3	nto accach	ou,		***		56,792	4	7			
Loan No. 4					:::	591,284		9			
Loan No. 5		***				492,143		6			
Loan No. 6						47,658	1	1			
Loan No. 7						14,139	11	3			
							_	-	0.07		
Investment of Sinking									2,274	6	6
Amount invested		ipal ar	nd Elect	ricity S	upply	0.000	0	0			
Commission 8	Stocks	222	***	22.5	***	2,263	2	2			
Interest Accrued	***	***	***	***	***	-11	4	4			
Investment of Reserv	ve Fund		112220						919,837	10	2
Amount invested			d Elect	ricity S	upply						-
Commission 8	Stocks and	Debe	ntures g	uarante	ed by						
the Governme	ent of the	Union	of Sout	h Afric	a	915,975	1	0			
Interest Accrued						3,862	9	2			

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

£16,971,504 3 3

Electricity Supply Commission.

SCHEDULE OF EXPENDITURE ON CAPITAL ACCOUNT to 31st December, 1936.

Expenditure in connection with Electricity Undertakings.	Total to 31st December, 1935.	Year ended 31st December, 1936.	Total to 31st December, 1936.
NATAL CENTRAL UNDERTAKING: Land and Rights Buildings and Civil Works Machinery and Plant	755,176 1 7	£3,235 12 3 26,465 13 2 205,301 16 1	£20,095 16 5 781,641 14 5 3,178,547 6 2
Provision made prior to Financial Adjustments Act, 1930, for repay- ment of Advances, appropriated in		235,003 1 6	3,980,284 17
reduction of Capital Expenditure	E3,621,631 14 0	£235,003 1 6	£3,856,634 15
WITBANK UNDERTAKING:			
Land and Rights Buildings and Civil Works Machinery and Plant	£9,221 3 2 577,569 3 7 1,693,257 8 6	£257 7 10 20,140 13 4 114,330 1 10	£9,478 11 (597,709 16 11 1,807,587 10 4
Net Revenue during Construction	Cr. 2,280,047 15 3 103,458 8 4	134,728 3 0	Cr. 2,414,775 18 3
	£2,176,589 6 11	£134,728 3 0	£2,311,317 9 11
CAPETOWN UNDERTAKING: Land and Rights Buildings and Civil Works Machinery and Plant	£22,733 13 4 687,745 14 2 1,496,844 13 1	£321 7 8 742 0 6 88,725 15 0	£23,055 1 0 688,487 14 8 1,585,570 8 1
Net Revenue during Construction	2,207,324 0 7 Cr. 5,019 2 1	89,789 3 2	2,297,113 3 8 Cr. 5,019 2 1
The Mevende during consultation	£2,202,304 18 6	£89,789 3 2	£2,292,094 1 8
DURBAN UNDERTAKING:			
Land and Rights Buildings and Civil Works Machinery and Plant	£29,822 2 4 354,265 9 8 720,029 2 9	Cr. £11 6 0 4,415 7 2 27,892 4 0	£29,810 16 4 358,680 16 10 747,921 6 9
Net Revenue during Construction	Cr. 1,104,116 14 9 15,121 15 4	32,296 5 2	Cr. 1,136,412 19 11 15,121 15 4
	£1,088,994 19 5	£32,296 5 2	£1,121,291 4 7
SABIE UNDERTAKING:	0.000,000		correction to the dis-
Land and Rights Buildings and Civil Works Machinery and Plant	£510 0 0 65,458 1 8 39,301 7 5	Ξ_	£510 0 0 65,458 1 8 39,301 7 5
Net Revenue during Construction	Cr. 105,269 9 1 9,124 15 10	=	Cr. 105,269 9 1 9,124 15 10
KLIP GENERATING STATION	£96,144 13 3		£96,144 13 3
UNDERTAKING:	£3,108 13 3		£3,108 13 3
Buildings and Civil Works Machinery and Plant	600,304 1 6 1,149,215 5 8	£295,509 15 8 966,301 0 7	£3,108 13 3 895,813 17 2 2,115,516 6 3
	£1,752,628 0 5	£1,261,810 16 3	£3,014,438 16 8
RAND EXTENSION UNDERTAKING:			
Land and Rights Machinery and Plant	£407 7 9 153,425 6 9	£434 2 9 90,074 9 5	£841 10 6 243,499 16 2
	£153,832 14 6	£90,508 12 2	£244,341 6 8
HEAD OFFICE:	650 505 9 0		050 505 0 0
Land Building and Equipment	£59,585 3 0 82,398 13 11	£217,158 9 7	£59,585 3 0 299,557 3 6
OUMMARY.	£141,983 16 11	£217,158 9 7	£359,142 6 6
Land and Rights Buildings and Civil Works Machinery and Plant	£142,248 7 0 3,122,917 6 1 8,225,318 14 3	£4,237 4 6 564,431 19 5 1,492,625 6 11	£146,485 11 6 3,687,349 5 6 9,717,944 1 2
Net Revenue during Construction Provision made prior to Financial Adjustments Act, 1930, for repay- ment of Advances, appropriated in	11,490,484 7 4 Cr. 132,724 1 7	2,061,294 10 10	13,551,778 18 2 Cr. 132,724 1 7
reduction of Capital Expenditure	Cr. 123,650 1 10		Cr. 123,650 1 10
	£11,234,110 3 11	£2,061,294 10 10	£13,295,404 14 9

Electricity Supply Commission.

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £500,000 ELECTRICITY SUPPLY COMMISSION 4½% LOCAL REGISTERED STOCK, 1953/63 (LOAN No. 3) AS AT 31st DECEMBER, 1936.

£36 750	Electricity	Sunnly	Commission	130/	Local	Dogistared	Stools	1059/69	£10 066	0	11
				777			S. 15	*//	240,000	4	11
£17,000	Electricity	Supply	Commission	31%	Local	Registered	Stock,	1956/66	16,490	0	0
	Interest A	ccrued		•••	•				236	1	8
									£56 792	4	7

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £2,500,000 ELECTRICITY SUPPLY COMMISSION 4½% LOCAL REGISTERED STOCK, 1953 (LOAN No. 4) AS AT 31st DECEMBER, 1936.

£315,000	Union of South Africa 4½% Local Registered Stock, 1953	£315,000	0	0
£51,200	South African Iron and Steel Industrial Corporation, Limited, 5% Guaranteed First Mortgage Registered Debentures, 1946/71	51,200	0	0
£123,650	Electricity Supply Commission 4½% Local Registered Stock, 1953	123,650	0	0
£102,000	Electricity Supply Commission 3½% Local Registered Stock 1956/66	98,940	0	0
	Interest Accrued	2,494	9	9
		£591,284	9	9

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £6,750,000 ELECTRICITY SUPPLY COMMISSION 3\{\frac{1}{2}\%\} LOCAL REGISTERED STOCK, 1954/64 (LOAN No. 5) AS AT 31st DECEMBER, 1936.

£10,000	South African Iron Guaranteed First	and Steel Mortgage	Indu Regi	strial stered	Corporation Debenture	, Limi s, 1946	ted, 5%	£9,975	0	0
£46,950	Electricity Supply C	ommission	43%	Local	Registered	Stock,	1953/63	46,950	0	0
£291,650	Electricity Supply C	ommission	34%	Local	Registered	Stock,	1954/64	288,864	18	2
£148,000	Electricity Supply C	Commission	34%	Local	Registered	Stock,	1956/66	143,560	0	0
	Interest Accrued	***		••				2,793	18	4
								£492,143	16	6

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £2,500,000 ELECTRICITY SUPPLY COMMISSION 3½% LOCAL REGISTERED STOCK, 1959/64 (LOAN No. 6) AS AT 31st DECEMBER, 1936.

				_
		£47,658	1	1
	Interest Accrued	183	15	5
£20,000	Electricity Supply Commission 31% Local Registered Stock, $1956/66$	19,400	0	0
£600	Electricity Supply Commission 41% Local Registered Stock, 1953	600	0	0
£27,150	Electricity Supply Commission 3½% Local Registered Stock, 1959/64	£27,474	5	8

STATEMENT SHOWING DETAILS OF INVESTMENTS ON BEHALF OF THE REDEMPTION FUND IN RESPECT OF THE £2,000,000 ELECTRICITY SUPPLY COMMISSION 3½% LOCAL REGISTERED STOCK, 1956/66 (LOAN No. 7) AS AT 31st DECEMBER, 1936.

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

Account No. 1.

Electricity Supply

Dr.

Redemption Fund Account for the in respect of £500,000 Electricity Supply Commission

To Balance as per Balance Sheet	•••	 			£54,457	6 10
Natal Central Undertaking		 	£171 3	2		
Witbank Undertaking		 	274 14	0		
Capetown Undertaking		 	36,372 18	7		
Durban Undertaking		 	17,638 11	1		

£54,457 6 10

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannes	burg,	
31st	March,	1937.

Commission.

Year ended 31st December, 1936,

Cr.

43% Local Registered Stock 1953/63 (Loan No. 3).

Balance at 31st December,		brought	forward	•••	NOTE OF STANSANS			£37,510	17	3
Natal Central Undertak	ing			•••	£113	5	11			
Witbank Undertaking	•••		•••		175	2	4			
Capetown Undertaking				•••	24,323	1	2			
Durban Undertaking		•••	•••		12,899	7	10			
Amounts Contributed duri	ng the	Year ou	it of Reve	nue				15,633	12	0
Natal Central Undertak	ing				53	18	0			
Witbank Undertaking		•••	•••		93	9	1			
Capetown Undertaking					11,198	11	3			
Durban Undertaking					4,287	13	8			
Interest Earned on Invest	ments							1,312	17	7
Interest Earned	•••				1,790	14	8			
Less—Appropriated in Investments	reduct 	ion of	Premium	on 	477	17	1			
Natal Central Undertak	ing				3	19	3			
Witbank Undertaking	•••	•••	•••		6	2	7			
Capetown Undertaking					851	6	2			
Durban Undertaking					451	9	7			

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Br.

Redemption Fund Account for the in respect of £2,500,000 Electricity Supply Commission

TO Balance as per Balance Sheet		 •••				£574,206	3	1	
Natal Central Undertaking		 •••	£6,735	19	10				
Witbank Undertaking		 	388,696	17	5				
Capetown Undertaking		 	13,760	19	11				
Durban Undertaking	• • • •	 •••	137,678	0	11				
Sabie Undertaking		 	26,365	4	3				
Head Office		 	969	0	9				

£574,206 3 1

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Commission.

Year ended 31st December, 1936, 4½% Local Registered Stock 1953 (Loan No. 4).

Cr.

By Balance at 31st December	r, 1935,	brought	forward					£482,691	18	11
Natal Central Underta	king				£3,051	8	3	,		
Witbank Undertaking			•••		336,374	6	9			
Capetown Undertaking				•••	6,940	18	3			
Durban Undertaking			•••		112,844	3	11			
Sabie Undertaking					22,713	5	4			
Head Office					767	16	5			
,, Amounts Contributed dur	ing the	Year ou	t of Reve	enue	ÿ. 			70,322	17	2
Natal Central Underta	king		•••		3,501	18	6	đ.		
Witbank Undertaking					37,794	17	7			
Capetown Undertaking					6,414	16	2			
Durban Undertaking					19,801	7	8			
Sabie Undertaking			•••		2,643	7	9			
Head Office					166	9	6			
" Nett Proceeds of Sales of	Fixed	Property					_	122	19	2
Witbank Undertaking					40	6	7			
Durban Undertaking					54	1	7			
Sabie Undertaking					28	11	0			
,, Interest Earned on Inves	tments						_	21,068	7	10
Interest Earned					22,464	2	1			
Less-Premium on Inve	stments	written	off	***	1,395	14	3			
Natal Central Undertal	king				182	13	1			
Witbank Undertaking					14,487		6			
Capetown Undertaking					405		6			
Durban Undertaking					4,978	9 1975	9			
Sabie Undertaking	•••	•••			980		2			
Head Office	***	•••	•••	•••		14	10			
						_				

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Dr.

Redemption Fund Account for the in respect of £6,750,000 Electricity Supply Commission

Γο Balance as per Balance She	eet		 				£456,621	3	
Natal Central Undertak	ing		 	£177,789	12	10			
Witbank Undertaking			 	135,316	8	5			
Capetown Undertaking			 	91,692	8	7			
Durban Undertaking		•••	 ***	42,741	8	4			
Sabie Undertaking			 •••	8,702	12	4			
Head Office			 •••	378	12	10			

£456,621 3 4

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Commission.

Year ended 31st December, 1936,

Cr.

Account No. 3.

32% Local Registered Stock, 1954/64 (Loan No. 5).

y Balance at 31st December,		brought	forward	•••				£310,460	12	:
Natal Central Undertak	ing			•••	£103,113	2	10			
Witbank Undertaking		•••		•••	112,775	5	10			
Capetown Undertaking	•••				52,507	5	3			
Durban Undertaking					34,304	14	0			
Sabie Undertaking		•••			7,526	4	11			
Head Office	•••	•••	•••		233	19	5			
, Amounts Contributed durin	ng the	Year ou	t of Reve	nue				132,217	19	1
Natal Central Undertak	ing				69,677	17	3			
Witbank Undertaking					18,049	5	10			
Capetown Undertaking		•••	•••		36,417	9	11			
Durban Undertaking					7,057	5	6			
Sabie Undertaking		•••			882	6	8			
Head Office					133	14	0			
, Net Proceeds of Sales of Fi	xed Pi	operty			A			336	11	
Natal Central Undertak			2707		83	0	0			
Witbank Undertaking					12	6	4			
Capetown Undertaking		***			241	5	1			
Interest Formed on Invest					\$ 			10.000	^	
, Interest Earned on Invest Natal Central Undertak		***	****	•••	4.015	10	^	13,606	U	1
	-6	•••	•••	•••	4,915		9			
Witbank Undertaking	•••	•••	•••	•••	4,479					
Capetown Undertaking	•••	•••	•••	•••	2,526					
Durban Undertaking	•••	•••	***	•••	1,379	3,70				
Sabie Undertaking	•••	•••	•••	•••	294		9			
Head Office	•••		••••	•••	10	19	5			

£456,621 3 4

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

Br.

Redemption Fund Account for the

in respect of £2,500,000 Electricity Supply Commission

To Balance as per Balance Sheet £37,378 12 6

Klip Generating Station Undertaking £33,071 14 6

Rand Extension Undertaking 4,306 18 0

£37,378 12 6

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg,

31st March, 1937

Commission.

Year ended 31st December, 1936,

Cr.

£720 5 11

36,658 6 7

£37,378 12 6

Account No. 4.

3½% Local Registered Stock, 1959/64 (Loan No. 6).

Rand Extension Under	•	ought	forward				
" Amounts contributed duri	ng the Ye	ar out	of Reve	nue			
Klip Generating Statio	n Underta	king	•••	***	£33,071	14	6
Rand Extension Under	taking		•••		3,586	12	1
" Interest Earned on Invest	ments—						_
Interest Earned					314	13	5
Less-Appropriated in	reduction	of :	Premium	on			
Investments		•••	•••	•••	314	13	5

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Ør.

Redemption Fund Account for the

in respect of £2,000,000 Electricity Supply Commission

To Balance as per Balance Sheet		 			£291	6	0
Natal Central Undertaking		 •••	£3 0	7			
Capetown Undertaking		 	27 15 1	0			
Klip Generating Station Under	taking	 •••	152 0	4			
Rand Extension Undertaking		 	108 9	3			

£291 6 0

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

Commission.								
Four Months ended 31st Decem 3½% Local Registered Stock 1956/66						Œ	r.	_
By Amounts contributed during the Year	out of Re	venue				£290	14	0
Natal Central Undertaking			£3	0	7			
Capetown Undertaking			27	14	8			
Klip Generating Station Undertaking	ng		151	13	8			
Rand Extension Undertaking			108	5	1			
" Interest Earned on Investments …					-		12	0
Capetown Undertaking		•••		1	2			

We hereby certify that we are satisfied both as to the correctness of the Accounts and Books of the Redemption Fund and as to the Maintenance of the Fund at the amount required by the Schedule to the Electricity Act, 1922, subject to the remarks contained in our report dated 18th May, 1937.

Klip Generating Station Undertaking Rand Extension Undertaking

> ALEX. AIKEN & CARTER, Auditors. B. HALSEY,

Account No. 5.

Đr.

Reserve Fund Account for the

To Expenditure during the Year on	Replac	ements	and						
Betterment		•••	•••				£14,063	8	1
Natal Central Undertaking			•••	£4,584	13	4			
Witbank Undertaking	•••	•••		6,949	15	5			
Capetown Undertaking				2,453	19	4			
Durban Undertaking				75	0	0			
				-	-	-			
,, Balance as per Balance Sheet		•••	•••				945,175	7	10
Natal Central Undertaking		•••	•••	413,220	15	9			
Witbank Undertaking				216,453	6	1			
Capetown Undertaking				186,501	19	7			
Durban Undertaking		•••	• • • •	105,727	8	6			
Sabie Undertaking				8,450	17	9			
Klip Generating Station Under	taking			13,070	6	1			
Rand Extension Undertaking				1,750	14	1			
					_	_			

£959,238 15 11

Account No. 6.

Commission.

Year ended 31st December, 1936.

Cr.

By Balance at 31st December, 1935, br	ought	forward					£786,220	16	7
Natal Central Undertaking				£365,359	16	7			
Witbank Undertaking				180,254	13	11			
Capetown Undertaking			•••	146,327	10	5			
Durban Undertaking		•••		86,482	8	10			
Sabie Undertaking				7,514	3	10			
Rand Extension Undertaking				282	3	0			
	r as 	per Reve		36,000 35,000	0	0	137,279	12	8
Capetown Undertaking Durban Undertaking Sabie Undertaking Klip Generating Station Under Rand Extension Undertaking	 taking 			36,000 15,300 600 12,940 1,439	0 0 9 2	0 0 0 9 11			

NATAL CENTRAL

Dr.

Revenue Account for the Year

To Operation-		Gene	eration	of Elect	ricity.						
TO Obermore	_				NOTE OF						
Fuel			•••	•••		£76,545		5			
Water,	Oil, Waste an	d Stores			•••	1,051	18	3			
Salaries	and Wages			***	•••	17,400	5	1			
Other F	xpenses	•••	***	•••	****	87	17	9			
" Maintenan	ce—										
Stores					•••	6,955	12	2			
Salaries	and Wages					9,443	16	3			
	xpenses	•••			•••	641		3			
						100,000	-	_	£112,126	11	2
Electricity	Purchased	938	102/553						302		11
,,	1 drondou	Diet	ribution	of Elec							
Operation	and Maintenan		ibution	or Lice	ti loity.						
Stores						3,198	15	7			
	and Wages	•••	•••	***	•••	15,378		2			
		***	•••	•••	•••	3,802		7			
Otner I	expenses	***	•••	•••	•••	3,802	0		00 970	10	4
			2 5	3823					22,379	12	4
1001 1001 6120	2 2 2 3 3 3 2 3			Expense	es.	12110122		2500			
	inistration and					6,402	11	6			
"General E	xpenses (includ	ling Main	tenance	of Quan	rters,						
Stores	Expenses, Rat	es, Insur	ance,	Pension	Fund						
Contrib	ations, etc.)				***	10,714	15	1			
Investigati	ons and Devel	opment E	xpense	s		54	4	8			
Head Offic	e Administration	on and Ge	eneral l	Expenses							
	g Publicity			·	•••	9,080	1	6			
	g Expenses		•••			2,864	17	9			
n									29,116	10	6
									163,924		11
										18	
Interest.											2
,, Interest		***	•••	•••					138,458		2
,, Redemptio	n Fund—	***	1.000	***		53	18	0			2
,, Redemption	n Fund— o. 3					53 3 501		0			2
,, Redemption Loan N Loan N	n Fund— o. 3 o. 4				:::	3,501	18	6			2
,, Redemptio Loan N Loan N Loan N	n Fund— o. 3 o. 4 o. 5	 				3,501 69,677	18 17	6			2
,, Redemption Loan N Loan N	n Fund— o. 3 o. 4 o. 5			 ::: :::	:::	3,501	18 17	6	138,458	17	
,, Redemptio Loan N Loan N Loan N Loan N Loan N	n Fund— o. 3 o. 4 o. 5 o. 7	:::	 		 	3,501 69,677	18 17	6	138,458 73,236	17	4
,, Redemptio Loan N Loan N Loan N Loan N ,, Repayment	n Fund— o. 3 o. 4 o. 5 o. 7 t Volksrust Lo	 an				3,501 69,677	18 17	6	73,236 489	17 14 11	4 2
", Redemptio Loan N Loan N Loan N Loan N , Repayment , Amount se	n Fund— o. 3 o. 4 o. 5 o. 7 t Volksrust Lo t aside to Res	 an			 	3,501 69,677	18 17	6	73,236 489 36,000	17 14 11 0	4 2 0
,, Redemptio Loan N Loan N Loan N Loan N ,, Repayment ,, Amount se	n Fund— o. 3 o. 4 o. 5 o. 7 t Volksrust Lo	 an			 	3,501 69,677	18 17	6	73,236 489	17 14 11	4 2
,, Redemptio Loan N Loan N Loan N Loan N ,, Repayment ,, Amount se	n Fund— o. 3 o. 4 o. 5 o. 7 t Volksrust Lo t aside to Res	 an	::: ::: 1 ::::			3,501 69,677	18 17	6	73,236 489 36,000	17 14 11 0	4 2 0
,, Redemptio Loan N Loan N Loan N Loan N ,, Repaymen ,, Amount se ,, Balance ca	n Fund— 0. 3 0. 4 0. 5 0. 7 t Volksrust Lo t t aside to Res	an erve Fund	::: ::: 1 ::::			3,501 69,677	18 17	6	73,236 489 36,000 718 £412,828	14 11 0 4 5	4 2 0 0
,, Redemptio Loan N Loan N Loan N Loan N ,, Repaymen ,, Amount se ,, Balance ca	n Fund— o. 3 o. 4 o. 5 o. 7 t Volksrust Lo t aside to Res	an erve Fund	::: ::: 1 ::::			3,501 69,677	18 17	6	73,236 489 36,000 718	14 11 0 4 5	4 2 0 0

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Con	mis	sion.

UNDERTAKING.

ended 31st December, 1936.

Cr.

By Sales of Electricity-									
Traction Supplies			 	£325,839	14	11			
Bulk Supplies		•••	 ***	55,140	6	7			
Industrial Supplies			 	18,101	7	5			
Domestic and Lighting	Supplies		 	9,639	17	10			
				_		_	£408,721	6	9
Other Revenue			 				4,106	18	10

						£412,828	5	7
By Balance ,, Balance		1935, 	brought	forward	505 606	£15,455 718		
						£16,173	6	0

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

WITBANK

Br.

Revenue Account for the Year

35	2 (2)	Gen	eration	of Elec	tricity.						
To	Operation-					050 015	_				
	Fuel Wasta and	04	•••	•••	•••	£72,817	3	10			
	Water, Oil, Waste and Salaries and Wages		•••	•••	•••	5,686 25,269		3			
	Other Expenses	•••	•••	•••	•••	1,289		8			
		***	***	•••	•••	1,200	10	0			
,,	Maintenance—						_				
	Stores	•••	•••	•••	•••	11,710					
	Salaries and Wages	•••	•••	•••	•••	12,696					
	Other Expenses	***	•••	•••	•••	11,256	14	3	£140 795	10	c
		Dist	ribution	of Elec	tricity.				£140,725	10	C
	Operation and Maintenance				7.1.0.0.0.0.0.1.						
,,,	Stores					2.614	6	8			
	Salaries and Wages					3,644	7	2			
	Other Expenses	***			•••	613	13	4			
	TO THE RESIDENCE OF THE STATE O		Estate and a second				_	_	6,872	7	2
				Expens	es.	Date Sales	7.522.0	Court C			
	Local Administration and					6,966	7	1			
,,	General Expenses (including	ng Main	tenance	of Qua	rters.						
	Stores Expenses, Rates	, Insur	ance, I	ension	Fund			2			
	Contributions, etc.)				***	9,504	19	5			
,,	Administration, Engineering	g and	General	Expens	es or						
"	Operating Party (The	Victoria	Falls a	nd Tran	es of isvani	= 000	^	•			
1000	Operating Party (The Power Company, Limite	Victoria d)	Falls a	nd Tran	es of isvaal	7,000	0	0			
,,	Operating Party (The Power Company, Limite Investigations and Develop	Victoria d) oment E	Falls a	nd Tran	isvaal 	7,000 33	0	0 2			
,,	Operating Party (The Power Company, Limite Investigations and Develop Head Office Administration	Victoria d) oment E	Falls a	nd Tran	isvaal 	33	0	2			
,,	Operating Party (The Y Power Company, Limite Investigations and Develor Head Office Administration including Publicity	Victoria d) oment E	Falls a	nd Tran	isvaal 	6,153	0 16	2			
,,	Operating Party (The Power Company, Limite Investigations and Develop Head Office Administration	Victoria d) oment E	Falls a Expenses Genera	nd Tran	enses,	33	0 16	2	31 500	15	
,,	Operating Party (The Y Power Company, Limite Investigations and Develor Head Office Administration including Publicity	Victoria d) oment E on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2	31,599	15	0
,,	Operating Party (The Y Power Company, Limite Investigations and Develor Head Office Administration including Publicity	Victoria d) oment E on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2	31,599 179,198	_	10
,,	Operating Party (The N Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses	Victoria d) oment E on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2		0	10
"	Operating Party (The Y Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses	Victoria d) oment E on and	Falls a Expenses Genera	nd Tran	enses,	6,153	0 16	2	179,198	0	10
"	Operating Party (The Y Power Company, Limite Investigations and Develor Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund—	Victoria d) oment E on and	Falls a Expenses Genera	nd Tran	enses,	6,153 1,941	0 16 12	2	179,198	0	10
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3	Victoria d) oment E on and	Falls a Expenses Genera	nd Tran	enses,	33 6,153 1,941	0 16 12	1 3 —	179,198	0	10
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	Victoria d) oment E on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198	0	10
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4	Victoria d) oment E on and	Falls a Expenses Genera	nd Tran	enses,	33 6,153 1,941	0 16 12 9 17	1 3 -	179,198 94,956	0 5	10
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	Victoria d) oment E on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198 94,956	0 5 12 0	10
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	Victoria d) oment E on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198 94,956	0 5	107
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Amount set aside to Reserved.	Victoria d) oment E on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198 94,956 55,937 35,000 3,972	0 5 12 0 2	10 7
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Amount set aside to Reserved.	Victoria d) oment E on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198 94,956 55,937 35,000	0 5 12 0	10 7
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	Victoria d) ment I on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198 94,956 55,937 35,000 3,972 £369,064	12 0 2	10 7
"	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Amount set aside to Reserved.	Victoria d) ment I on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198 94,956 55,937 35,000 3,972	12 0 2	10 7 6 0 1
" " " "	Operating Party (The New Power Company, Limite Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	Victoria d) ment I on and	Falls a	nd Tran	enses,	93 1,941 93 37,794	0 16 12 9 17	1 3 -	179,198 94,956 55,937 35,000 3,972 £369,064	12 0 2 1	10 7 6 0 1

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

Account No. 8.

By Sales of Electricit	у—										
Bulk Supplies	***	***		***	200	£286,918	12	2			
Industrial Supp	olies					71,705	5	3			
Domestic and	Lighting	Supplies		***	***	6,042	2	0			
						-	_	_	£364,665	19	5
" Other Revenue			22.2		***				4,398	1	7

					£369,064	1	0
*	y Balance at 31st December, Balance brought down	1935, 	brought	forward	 £11,486 3,972		
					£15,458	10	4

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER,

B. HALSEY,

CAPETOWN

Dr.

Revenue Account for the Year

		Gene	ration of	Elec	tricity.						
То	Proportion of Pooled Cos (As per attached Stat				•••				£106,668	6	6
		Distri	bution of	f Elec	tricity.						
22	Operation and Maintena	nce—									
"	Stores				***	£2,574	6	11			
	Salaries and Wages					12,879	13	2			
	Other Expenses	•••	•••			4,976	0	3	00 100		
		G	eneral E	xpens	es.				20,430	U	4
"	Local Administration and General Expenses (inclu- Stores Expenses, Rai	d Technical	Manage enance o	ment f Qua	rters,	7,271					
	Contributions, etc.) Head Office Administra	tion and	General	Evn	onese	9,644	14	11			
"	including Publicity	min min			enses,	7,523	9	9			
,,	Engineering Expenses		***			2,373		4			
	Less-Charged to Pool	ed Costs	•••			26,813 2,795	7	11 4	24,018	6	7
									151.116	13	-5
"	Interest Redemption Fund—	***		•••		90,740	4	5	201,110	10	
	Loan No. 3					11,198	11	3			
	Loan No. 4					6,414		2			
	Loan No. 5	***	***		***	36,417	9				
	Loan No. 7 Amount set aside to Re	Tund	***	***	***	36,000	0	8			
,,	Amount set aside to ite	serve runu		•••	***	30,000	0				
	Less-Charged to Pool	ed Costs			•••	180,798 43,080	16 3	5 9	197 710	10	0
,,	Balance carried down	•••		•••					137,718 1,789		6
									£290,624	14	7
То	Balance as per Balance	Sheet		***	•••				£14,960	10	2
									£14,960	10	2
										_	_

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

By Sales of Electricity—								
Traction Supplies		 	£154,051	8	7			
Bulk Supplies		 	30,286	12	4			
Industrial Supplies		 ***	71,411	8	0			
Domestic and Lighting Supplies	•••	 	31,936	6	6			
					_	£287,685 1	5	5
" Other Revenue	***	 	4,367	9	7			
Less-Credited to Pooled Costs		 	1,428	10	5			
					_	2,938 1	9	2

							£290,624	14	7
Ву	By Balance at 31st Decembe ,, Balance brought down	December, down	1935, 	brought	forward 	 £13,171 1,789		8	
							£14,960	10	2

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Electricity Supply Commission

SALT RIVER AND DOCK

Dr.

Statement of Pooled Costs for the Year ended

	Expenditure by Electricity Supply Commission.		Expendi by Cit; Capeto	у о	f	Pooled (Cost	ts.	
Pooled Generation of Electricity.									
To Operation and Maintenance—			- 1			- !			
Fuel	£195,947	18	11	£18,780	1	9	£214,728	0	8
Water, Oil, Waste and Stores	7,555	5	5	2,111	10	6	9,666	15	11
Salaries and Wages	13,435	1	7	11,221	1	5	24,656	3	0
Other Expenses	14,455	12	7	1,821	1	4	16,276	13	11
,, General Expenses (including Stores Expenses, Rates, Insurance, Pen- sion Fund Contributions, etc.)	2,795	1	4	2,010	4	4	4,805	5	8
,, Interest	22,231	9	5		_		22,231	9	5
,, Redemption Fund	18,393	19	11		_		18,393	19	11
,, Reserve Fund	2,454	14	5		-		2,454	14	5
	£277,269	3	7	£35,943	19	4	£313,213	2	11

Capetown,

31st March, 1937.

and City of Capetown.

ROAD POWER STATIONS.

31st December, 1936, and Allocation thereof.

Cr.

By Allocation of Pooled Costs in term	s of Ag	reement-	_						
Electricity Supply Commission				£106,668	6	6			
City of Capetown			***	204,705	14	9			
					_	_	£311,374	1	
,, Sundry Revenue-							181		
Electricity Supply Commission				1,428	10	5			
City of Capetown				410	11	3			
						_	1,839	1	
							£313,213	9	

GEO. H. SWINGLER,
Manager of the Pooled Stations.

DURBAN

Revenue Account for the Year

		Gene	ration of	Elect	tricity.						
To	Operation—					1000111111	22.2	-123			
	Fuel		***		•••	£92,265		5			
	Water, Oil, Waste and	Stores	•••		***	1,246	2	7			
	Salaries and Wages	***	•••	***	•••	13,346		9			
	Other Expenses	***	***	•••		880	8	6			
••	Maintenance—										
	Stores					6,514		3			
	Salaries and Wages					12,972	3	7			
	Other Expenses		***		• • • •	861	5	9			
	saa omaa ah oo a						_	_	£128,086	16	10
	Electricity Purchased								1,251	15	11
		Dietrik	ution of	Flecti	ricity				1000		
	Operation and Maintenance-		dition of	Licoti	illity.						
.,	Ctores					310	19	10			
	Salaries and Wages	•••	•••	•••	•••	1,208					
	Other Expenses		***		***	370		5			
	Other Expenses		***		***	3/0	0	0	1,889	10	
		6	eneral E	xpens	AS.				1,009	19	1
	T 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-			4 0 00	^	•			
"	Local Administration and T General Expenses (including Stores Expenses, Rates,	g Maint	enance o	f Qua	rters,	4,953	2	8			
			moo, a ca		* *****						
	Contributions, etc.)					5,060					
,,						5,060 511					
"	Contributions, etc.) Investigations and Development Head Office Administration	ment Ex	rpenses			511	4	11			
,,	Contributions, etc.) Investigations and Development Head Office Administration including Publicity	ment Ex	rpenses		•••	511 5,448	0	11 11			
"	Contributions, etc.) Investigations and Development Head Office Administration	ment Ex n and	rpenses General	 Expe	enses,	511	0	11 11	17.691	17	4
,,	Contributions, etc.) Investigations and Development of the Administration including Publicity Engineering Expenses	ment Exn and	cpenses General	Expe	enses,	511 5,448	0	11 11	17,691 148,920 49,349	9	2
,,	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	ment Ex n and	rpenses General	Expe	enses,	511 5,448	0	11 11		9	2
,, ,,	Contributions, etc.) Investigations and Development of the Administration including Publicity Engineering Expenses Interest Redemption Fund—	ment Exn and	cpenses General	 Expe	enses,	511 5,448 1,718	4 0 18	11 8 -	148,920	9	2
,,	Contributions, etc.) Investigations and Development of the Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3	ment Exn and	cpenses General	 Expe	enses,	5,448 1,718 4,287	4 0 18	11 11	148,920	9	2
"	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest	ment Exn and	rpenses General 	 Expe	enses,	5,448 1,718 4,287 19,801	13	11 8 8	148,920	9	2
"	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4	ment Exn and	cpenses General	 Expe	enses,	5,448 1,718 4,287	13 7	11 11 8 — 8 8	148,920	9 8	11
""	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5	ment Exn and	General	 Expe	enses,	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349	9 8	11
	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Sinking Fund	ment Exn and	General	 Expe	enses,	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146	9 8	10
,,	Contributions, etc.) Investigations and Develops Head Office Administration including Publicity Engineering Expenses Interest	ment Exn and	General	Expe	 enses, 	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255	9 8 6 5 0	10
,,	Contributions, etc.) Investigations and Develop Head Office Administration including Publicity Engineering Expenses Interest Redemption Fund— Loan No. 3 Loan No. 4 Loan No. 5 Sinking Fund	ment Exn and	General	Expe	enses,	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255 15,300 2,213	9 8 6 5 0 16	10 6 6 8
,,	Contributions, etc.) Investigations and Develops Head Office Administration including Publicity Engineering Expenses Interest	ment Exn and	General	Expe	 enses, 	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255 15,300	9 8 6 5 0 16	10 6
"	Contributions, etc.) Investigations and Develops Head Office Administration including Publicity Engineering Expenses Interest	ment Ex n and 	General	Expe	 enses, 	5,448 1,718 4,287 19,801	13 7	11 11 8 — 8 8	148,920 49,349 31,146 255 15,300 2,213	9 8 6 5 0 16	10 6 6 8

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

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UNDERTAKING.

ended 31st December 1936.

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u	2.3	T .

	Bulk Supplies		***	***		£241,951	6	3			
	Industrial Supplies		***	***		682	8	5			
	Domestic and Lighting	Supplie	es		***	4,002	6	10	£246,636	1	
, (Other Revenue			•••					549		
									£247,185	7	
ŀ	Balance at 31st December	, 1935,	brought	forward					£8,083	13	
, I	Balance brought down		•••						2,213	16	1

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Auditors.

£10,297 9 9

SABIE

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19H	1.

Revenue Account for the Year

To Operation—	Gen	eration	of Elect	ricity.						
Water, Oil, Waste and	Stores				£47	0	2			
Salaries and Wages					1,738					
, Maintenance—					1,,,,,					
O4					876	14	7			
Salaries and Wages	•••	•••	•••	•••	275	-	i			
Other Expenses	•••	•••	***	•••	135		8			
Omer Expenses		•••	•••	•••	100	10	_	£3,073	14	11
	Dist	ribution	of Elec	tricity.				,		
,, Operation and Maintenan	ce—									
Stores			***		44	3	4			
Salaries and Wages					318	14	3			
Other Expenses					142	16	11			
Control of the Contro			00000 Name	ACES	•		-	505	14	6
T . 1 43			Expens		014					
" Local Administration and					314	4	0			
"General Expenses (includ				-	054					
Insurance, Pension Fu				•••	254	3	0			
" Head Office Administrat	on and		22 (3)		778	5	10			
	•••	•••	•••	•••	245	10.75	3			
,, Engineering Expenses	•••			•••		11	_	1,592	4	1
								5,171	13	6
" Interest								4,248	7	5
" Redemption Fund—								125		
Loan No. 4			•••	•••	2,643		9			
Loan No. 5	***	•••	•••	***	882	6	8	9 505	14	-
A	77	3						3,525		5
"Amount set aside to Rese	erve Fun	α	•••	•••				600		0
,, Balance carried down	•••	•••	***	•••				358	10	1
								£13,904	11	5
To Balance as per Balance Si	heet							£1,056	8	3

A. E. HARTE, C.A. (S.A.), Chief Accountant	A.	E.	HARTE,	C.A.	(S.A.),	Chief	Accountant
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Johannesburg, 31st March, 1937.

y	Sales of Electricity Mining Supplies
,	Other Revenue

Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

By Sales of Electricity Mining Supplies		 	 	***	£13,881 12	5
" Other Revenue	 	 	 		22 19	0

						£13,904	11	5
By Balance		1935, 	brought	forward	 	 £697 358		100
						£1,056	8	3

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER,)
B. HALSEY,

Commission.

STATION UNDERTAKING.

10th March to 31st December, 1936.

Cr.

Account No. 12.

By Sales of Electricity-Bulk Supplies £202,172 16 11 " Other Revenue 1,714 2 3

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

Auditors.

£203,886 19 2

Electricity Supply

KLIP GENERATING

Dr.

Revenue Account for the Period

	G	ENERA	TION OF	ELEC	TRICIT	ry.					
То	Operation—										
	Fuel					£76,888	16	7			
	Water, Oil Waste and	Stores				1,662	7	1			
	Salaries and Wages					12,287	18	7			
	Other Expenses		***			1,537	7	7			
,,	Maintenance—				17						
	Stores	0.30			• • • •	899	4	5			
	Salaries and Wages	(27.5)	222	***		2,622	17	8			
	Other Expenses		•••			1,105	8	9	£97.004	0	8
		GE	NERAL E	XPEN	SES.						
,,	Local Administration and	Technic	al Manag	gement		3,576	9	1			
,,	General Expenses (including Stores Expenses, Rates	g Main	tenance o ance, Per	f Quar	ters, und	0.000	- 10	•			
	Contributions, etc.)		a			3,066	13	9			
"	Administration, Engineering	g and	General I	Expense	s of						
	Operating Party (The V Power Company, Limite	ed)	rans and			6,575	1	9			
22	Head Office Administration	693				10.4.17(10.70					
,,	including Publicity					2,050	1	6			
***	Engineering Expenses					646	16	7			
	The Contract of the Contract o						-	_	15,915	2	8
									112,919	3	4
,,	Interest								44,803	17	11
	Redemption Fund-										
	Loan No. 6					33,071	14	6			
	Loan No. 7		***	1000		151		8			
					18			_	33,223	8	2
,,	Amount set aside to Reserv	e Fund	***	***					12,940	9	9
									£203,886	19	2

A. E. HARTE, C.A. (S.A.), Chief Accountant.

Johannesburg, 31st March, 1937.

RAND EXTENSION

Dr. Revenue Account for the Year

				Genera	Exp	enses.						
То	General Expens	es (Insuran	ce)			•••	£25	1	0			
,,	Head Office A	Idministration	on and	General	Expe	enses,	220	16	3			
,,	Engineering Ex	penses		***			69	13	5	£315	10	8
	Interest			***						5,476	4	6
"	Redemption Fu Loan No. 6			***		***	3,586	12	1			
	Loan No. 7	***			•••	***	108	5	1	3,694	17	2
,,	Amount set asi	de to Reser	ve Fund	l						1,439	2	11
										£10,925	15	3

Johannesburg, 31st March, 1937. A. E. HARTE, C.A. (S.A.), Chief Accountant.

Commission.

UNDERTAKING.

ended 31st December, 1936.

Cr.

Account No. 13.

By Amount Recovered from The Victoria Falls and Transvaal Power Company, Limited £10,925 15 3

Referred to in our Report of 18th May, 1937.

ALEX. AIKEN & CARTER, B. HALSEY,

ANNEXURE "B."

Electricity Supply Commission.

STATEMENT No. 1.

Summary of principal plant and equipment installed at the Commission's several Undertakings as at 31st December, 1936:—

POWER STATIONS.

Colenso (Na	atal Ce	entral Un	dertaking)	•••	• • • •	Steam.
Congella (1	Durban	Underta	aking)		•••	Steam.
Klip						Steam.
Sabie					•••	Hydro.
Salt River	(Cape	town Und	dertaking)	***	•••	Steam.
Scottburgh	•••					Oil.
Umkomaas		•••		•••		Oil.
Witbank	•••	•••	•••		•••	Steam.

BOILER PLANT.

Power Station.		No. of Boilers.	Normal Rating of each Boiler. Lbs. of steam per hour.	Total Rating of all Boilers. Lbs. of steam per hour.	Pressure. Lbs. per square inch.
Colenso		 10	60,000	600,000	290
Congella	•••	 $\left\{ \begin{array}{c} 6 \\ 2 \end{array} \right.$	60,000 100,000 }	560,000	{ 270 300
Klip		 8	180,000	1,440,000	390
Salt River		 $\left\{ \begin{array}{l} 2 \\ 6 \end{array} \right.$	60,000 100,000	720,000	{ 270 425
Witbank	•••	 20	70,000	1,400,000	225
Totals		 54		4,720,000	_

GENERATING PLANT (EXCLUDING HOUSE SETS).

				Rating of Senerator.		ing of or House.	
Power Station.		No. of Generators.	Kilo- watts.	Kilovolt Amperes.	Kilo- watts.	Kilovolt Amperes.	Voltage of Generation
Colenso		5	12,000	13,500	60,000	67,500	6,600
		(2	6,000	7,500	20.222		
Congella	•••	8	12,000	15,000 }	68,000	85,000	6,600
		(1	20,000	25,000 J			
Klip		5	33,000	41,250	165,000	206,250	10,500
Sabie		3	450	600	1,350	1,800	3,300
Salt River		3	10,000	11,000 \	90,000	108,000	12,000
Dail IVIVEL	•••	\ 3	20,000	25,000)	30,000	100,000	33,000
Scottburgh		j 1	13	15 \	29	35	400
Scouburgh		` \ 1	16	20 ∫	20	00	100
Umkomaas	•	j 2	32	40)	164	205	400
Omkomans		\ 1	100	125	104	200	\ 400
Witbank		5	20,000	23,500	100,000	117,500	6,600
Totals		35			484,543	586,290	

TRANSMISSION LINES AND CABLES.

Totals		420	262	111	47	198	156	1,194
Witbank	•••	_	10 1	104	_	13	22	139
Sabie		-	_	7		1		8
Natal Central		420	33	-	17	95	24	589
Durban (South Coa	ast)		19	_		2	9	30
Capetown		-	210	_	30	87	101	428
Undertaking.		88,000 volts. Route Miles.	33,000 volts. Route Miles.	21,000 volts. Route Miles.	12,000 6 11,000 volts. Route Miles.	3,600, 3,300 2,200 volts. Route Miles.	380/220 volts. Route Miles.	Total Route Miles.

STATIC TRANSFORMERS AT POWER STATIONS AND SUB-STATIONS.

(Step-up and Step-down, including Spares.)

Undertakin	ıg.				Capacity. Kilovolt Amperes.
Capetown				 	72,839
Durban		***		 	8,340
Klip				 	289,333
Natal Cen	tral			 	146,270
Sabie	• • • •	***	•••	 •••	3,140
Witbank	•••			 •••	179,651
Total	***	****	••••	 •••	699,573

CONVERTING SUB-STATIONS.

Туре				Number of Sub-stations.	Number of Units.	Rating.
Motor Generators				f 1	1	150 kW.
MOUNT Generators	***	•••	13	23	46,000 kW.	
Rotary Conv	erters	•••	• • •	6	12	24,000 kW.
Rectifiers	•••	•••	***	8	17	26,210 kVA.
Totals	•••	***	•••	28	53	

ANNEXURE "B."

Electricity Supply Commission.

STATEMENT No. 1.

Summary of principal plant and equipment installed at the Commission's several Undertakings as at 31st December, 1936:—

POWER STATIONS.

Colenso (Na	atal Ce	entral Un	dertaking)	•••	• • • •	Steam.
Congella (1	Durban	Underta		•••	Steam.	
Klip						Steam.
Sabie					•••	Hydro.
Salt River	(Cape	town Und	dertaking)	***	•••	Steam.
Scottburgh	•••					Oil.
Umkomaas		•••		•••		Oil.
Witbank	•••	•••	•••		•••	Steam.

BOILER PLANT.

Power Station.		No. of Boilers.	Normal Rating of each Boiler. Lbs. of steam per hour.	Total Rating of all Boilers. Lbs. of steam per hour.	Pressure. Lbs. per square inch.
Colenso		 10	60,000	600,000	290
Congella	•••	 $\left\{ \begin{array}{c} 6 \\ 2 \end{array} \right.$	60,000 100,000 }	560,000	{ 270 300
Klip		 8	180,000	1,440,000	390
Salt River		 $\left\{ \begin{array}{l} 2 \\ 6 \end{array} \right.$	60,000 100,000	720,000	{ 270 425
Witbank	•••	 20	70,000	1,400,000	225
Totals		 54		4,720,000	_

GENERATING PLANT (EXCLUDING HOUSE SETS).

			Normal Rating of Each Generator.		Rat Generat		
Power Station.		No. of Generators.	Kilo- watts.	Kilovolt Amperes.	Kilo- watts.	Kilovolt Amperes.	Voltage of Generation
Colenso		5	12,000	13,500	60,000	67,500	6,600
		(2	6,000	7,500	20.222		
Congella	•••	8	12,000	15,000 }	68,000	85,000	6,600
		(1	20,000	25,000 J			
Klip		5	33,000	41,250	165,000	206,250	10,500
Sabie		3	450	600	1,350	1,800	3,300
Salt River		3	10,000	11,000 \	90,000	108,000	12,000
Dail IVIVEL	•••	\ 3	20,000	25,000)	30,000	108,000	33,000
Scottburgh		j 1	13	15 \	29	35	400
Scouburgh		` \ 1	16	20 ∫	20	00	100
Umkomaas	•	j 2	32	40)	164	205	400
Omkomans		\ 1	100	125	104	200	\ 400
Witbank		5	20,000	23,500	100,000	117,500	6,600
Totals		35			484,543	586,290	

TRANSMISSION LINES AND CABLES.

Totals		420	262	111	47	198	156	1,194
Witbank	•••	_	10 1	104	_	13	22	139
Sabie		-	_	7		1		8
Natal Central		420	33	-	17	95	24	589
Durban (South Coa	ast)		19	_		2	9	30
Capetown		-	210	_	30	87	101	428
Undertaking.		88,000 volts. Route Miles.	33,000 volts. Route Miles.	21,000 volts. Route Miles.	12,000 6 11,000 volts. Route Miles.	3,600, 3,300 2,200 volts. Route Miles.	380/220 volts. Route Miles.	Total Route Miles.

STATIC TRANSFORMERS AT POWER STATIONS AND SUB-STATIONS.

(Step-up and Step-down, including Spares.)

Undertakin	ıg.				Capacity. Kilovolt Amperes.
Capetown				 	72,839
Durban		***		 	8,340
Klip				 	289,333
Natal Cen	tral			 	146,270
Sabie	• • • •	***	•••	 •••	3,140
Witbank	•••			 •••	179,651
Total	***	****	••••	 •••	699,573

CONVERTING SUB-STATIONS.

Туре				Number of Sub-stations.	Number of Units.	Rating.
Motor Generators				f 1	1	150 kW.
MOUNT Generators	***	•••	13	23	46,000 kW.	
Rotary Conv	erters	•••	• • •	6	12	24,000 kW.
Rectifiers	•••	•••	***	8	17	26,210 kVA.
Totals	•••	***	•••	28	53	

Electricity Supply Commission.

STATEMENT No. 2.

Summary of principal plant and equipment in course of installation or on order as at 31st December, 1936:—

BOILER PLANT.

		Capacity in lbs. of steam per hour (normal rating).							
Power Station.	Number Boilers	Each.	83	Total.		Pressure. s. sq. inch.			
Klip	 14	 180,000		2,520,000		390			

GENERATING PLANT (EXCLUDING HOUSE SETS).

Power Station. Congella	 ***	Number of Sets.		Capacity each. Kilowatts. 30,000	 Total Capacity. Kilowatts. 30,000
Klip	 	7		33,000	 231,000
Volksrust	 	2		300	 600
Totals	 	10	2027		261,600

TRANSMISSION LINE AND CABLES.

	88	,000 and 40,000 Volts. Route Miles.	6,600 Volts. Route Miles.	380/220 Volts. Route Miles.	Totals.
Overhead Lines		93	2	2	97

TRANSFORMERS

(Step-up and Step-down).

Kilovolt Amperes. . 164,700

Total capacity in course of installation or on order

CONVERTING SUB-STATIONS.

Type.	Number of Sub-stations.	Number of Sets.
Mercury Arc Rectifiers	 18	 27

Electricity Supply Commission.

STATEMENT SHOWING THE PRICE OR RENT OF LAND OR RIGHTS OR INTERESTS IN OR OYER LAND OR OTHER PROPERTY ACQUIRED OR HIRED BY THE COMMISSION DURING THE YEAR 1936.

Area. es. Roods, Perches	Farm or Lot.	District.	Title.	Purchase Price or Rental.	Acquired From.	Purpose for Which Requir
es. Roods, Teremes	1	The state of the s	NATAL CENTRAL UNDERTA		l	**
	Lot 22 of Uitkomst	Pietermaritzburg	Servitudes of Right-of-Way in	£35 0 0	E. W. H. Dinkelmann	Power Conductors
	and Doornrug 852	Pietermaritzburg	Perpetuity Servitude of Right-of-Way in	7 17 6	W. H. Keytel	Power Conductors
	Subdivision S of Leliefontein 1175 Part of Camperdown	Pietermaritzburg	Perpetuity Servitude of Right-of-Way in	5 0 0	H. Dart	Power Conductors
	Township Remainder of B	Pietermaritzburg	Perpetuity Servitude of Right-of-Way in	5 0 0	V. E. Jee	Power Conductors
	of Camperdown Township		Perpetuity			Tower Conductors
	Lot 33 of Vaalkop 885 and remainder (Lot 41B) of Vaalkop and Dadel- fontein 5247	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	5 0 0	W. J. Chapman	Power Conductors
	Remainder of W of Cotham of Salt River	Durban	Servitude of Right-of-Way in Perpetuity	2 0 0	A. McDonald	Power Conductors
	Remainder of Craigside 2272	Dundee	Servitude of Right-of-Way in Perpetuity	4 12 6	D. McPhail	Power Conductors
	Subdivision 7 of A of Attercliffe	Durban	Servitude of Right-of-Way in Perpetuity	3 10 0	Varadarajulu	Power Conductors
	Remainder of 21 of Uitkomst and Doornrug 852	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	5 0 0	F. E. Meyer	Power Conductors
	Subdivision D of Ordnance Land 1686	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	-	Government of Union of South Africa	Power Conductors
	10 of Vaalkop and Dadelfontein 885	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity		J. Watson	Power Conductors
	Remainder of D of Honig Krantz 945	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity		A. F. Doherty	Power Conductors
	A of D of Honig	Pietermaritzburg	Servitude of Right-of-Way in	3 10 0	K. S. Pillay	Power Conductors
	Remainder of 271 of	Pietermaritzburg	Perpetuity Servitude of Right-of-Way in	_	J. L. Smith	Power Conductors
	Town Lands Subdivisions F and Y of Leliefontein 1175	Pietermaritzburg	Perpetuity Servitude of Right-of-Way in Perpetuity	10 0 0	C. A. Mair and J. L. Smith	Power Conductors
	Bannockburn 8868	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	11 0 0	J. J. Frazer and M. Sherrard	Power Conductors
	Remainder of Glencoe 3507	Klip River	Servitude of Right-of-Way in Perpetuity	13 15 0	L. Payne	Power Conductors
	Remainder of	Klip River	Servitude of Right-of-Way in Perpetuity	-	Borough of Dundee	Power Conductors
	Craigieburn Certain Subdivisions of Vaalkop and	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	15 0 0	A. S. Hardman	Power Conductors
	Dadelfontein 885 Remainder of L of Driefontein 952	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity		F. W. Knapp	Power Conductors
			WITBANK UNDERTAKIN	G.		
	N of Portion 16 of Blesboklaagte 29	Witbank	Servitude of Right-of-Way in Perpetuity	30 0 0	M. C. Schoombee	Power Conductors
	D of Klipplaat 47	Witbank	Servitude of Right-of-Way in Perpetuity	22 0 0	J. C. P. de Villiers	Power Conductors
	E of Klipplant 47	Witbank	Servitude of Right-of-Way in Perpetuity	36 0 0	J. T. du Preez	Power Conductors
	M of 16 of Blesboklaagte 29	Witbank	Servitude of Right-of-Way in Perpetuity	20 0 0	S. E. du Plessis	Power Conductors
			CAPETOWN UNDERTAKING	3.		
	Elsenberg and Oostergo	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	Government of Union of South Africa	Power Conductors
	Lindani, Retreat, and The Willows, Idas Valley	Stellenbosch.	Servitude of Right-of-Way in Perpetuity	-	B. M. Malleson and G. G. Elliott	Power Conductors
	Remaining extent of Vredenburg	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	J. S. G. Collie	Power Conductors
	Lot 2 of Keuken Valley and 1 of Odendal	Stellenbosch	Servitude of Right-of-Way in Perpetuity	=======================================	W. L. Hofmeyr	Power Conductors
	Lot B of Fairview	Stellenbosch	Servitude of Right-of-Way in Perpetuity	=	J. P. H. Steyn and A. J. D. Steyn	Power Conductors
	Certain land at Somerset West	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	M. M. McDonald	Power Conductors
	Lot 8	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	J. A. M. Monnik	Power Conductors
	Lots B and C	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	J. M. E. Fry	Power Conductors
	Rehoboth	Stellenbosch	Servitude of Right-of-Way in Perpetuity		J. Bredell	Power Conductors
	Vredenburg	Stellenbosch	Servitude of Right-of-Way in Perpetuity		F. J. le Roux	Power Conductors
	Lot A of Vredenburg	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	H. Louw	Power Conductors
	Tregarthen and Lot H of Glen Arum	Stellenbosch	Servitude of Right-of-Way in Perpetuity	2	A. L. Heywood	Power Conductors
		R	AND EXTENSION UNDERTA	KING.		
Tia.	Gemsbokfontein	Krugersdorp	Surface Right Permit	_	Government of Union of South Africa	Power Conductors

STATEMENT No. 4.

Units sold to all consumers during the past eleven years.

Year.	Capetown Under- taking.	Durban Under- taking.	Klip Under- taking.	Natal Cent. Under- taking.	Sabie Under- taking.	Witbank Under- taking.	Total.
1926	280,242	-	_	719,666	727,401	160,031,213	161,758,522
1927	5,811,836	_	_	104,206,235	1,938,940	439,061,722	551,018,733
1928	31,038,697	15,563,460	-	114,213,037	2,829,888	464,267,213	627,912,295
1929	47,945,690	78,873,576	_	123,911,774	3,176,173	543,091,138	796,998,351
1930	49,772,016	99,228,000	-	117,075,484	4,585,060	618,951,364	889,611,924
1931	52,109,958	103,899,765		101,131,880	6,585,553	603,359,113	867,086,269
1932	64,268,873	109,808,223		100,292,933	6,080,010	610,285,123	890,735,162
1933	100,685,629	118,538,312	-	109,186,538	6,349,651	639,368,114	974,128,244
1934	73,583,974	131,104,182	-	124,898,129	7,329,679	648,245,530	985,161,494
1935	80,020,511	149,874,024		154,278,600	7,181,282	727,888,529	1,119,242,946
1936	85,840,383	170,493,987	556,997,155	171,476,131	6,863,253	696,376,199	1,688,047,108

STATEMENT No. 5.

Power Station Statistics—1936.

Power	Station	ı		Units Generated.	На	Maximum alf-hourly Dema Kilowatts (Sent Out).	and.	Load Factor on Units Sent Out.
Colenso	•••			192,121,470		36,260		56·8
Congella	***	***	•••	180,822,650	***	44,467		43.5
Klip		•••	***	598,165,403		132,180 (H	lour)	48.0
Salt Riv	er		•••	273,548,458		57,600		51.8
Sabie	•••			7,376,000		1,200		69.1
Witbank	•••	•••		741,329,579		101,008 (H	lour)	78.4

1,993,363,560

STATEMENT No. 6.

Particulars of coal used at the Commission's Steam-raising Power Stations.

					COA	L CONSUM	MED.	В.Т.	U.'s.	m1
Pow	Power Station.			Tons. (2,000 lbs.)	Per Unit Gener- ated. Lbs.	Per Unit Sent Out. Lbs.	Average per lb. of Coal.	Average per Unit Sent Out.	Thermal Efficiency on Units Sent Out.	
Colenso					137,942	1.44	1.53	12,380	18,900	18.1%
Congella					119,162	1.32	1.40	12,630	17,700	19.3%
Klip					485,114	1.62	1.74	9,660	16,810	20.3%
Salt River					154,760	1.13	1.19	13,240	15,700	21.7%.
Witbank		***		• • • •	664,288	1.79	1.91	11,140	21,280	16.0%
					1,561,266					
						Avera	age Cost per	Ton (2,000	lbs.).	
				1930.	1931.	1932	. 1933.	1934.	1935.	1936.
Colenso				8/-	8/3	9/10	0 10/7	10/9	10/9	11/-
Congella				13/2	14/2	15/4	15/6	15/4	15/-	15/5
Klip				-	-	-	-	_	_	3/2
Salt River				23/5	23/4	24/11	25/4	25/6	25/4	25/4
Witbank				2/2	2/2	2/4	2/4	2/3	2/3	2/2

Electricity Supply Commission.

STATEMENT No. 2.

Summary of principal plant and equipment in course of installation or on order as at 31st December, 1936:—

BOILER PLANT.

		Cal	lbs. of steam ponormal rating).	er hour	
Power Station.	Number Boilers.	Each.	 Total.		Pressure. s. sq. inch.
Klip	 14	 180,000	 2,520,000	272	390

GENERATING PLANT (EXCLUDING HOUSE SETS).

Power Station. Congella	 ***	Number of Sets.		Capacity each. Kilowatts. 30,000	 Total Capacity. Kilowatts. 30,000
Klip	 	7		33,000	 231,000
Volksrust	 	2		300	 600
Totals	 	10	2027		261,600

TRANSMISSION LINE AND CABLES.

	88	,000 and 40,000 Volts. Route Miles.	6,600 Volts. Route Miles.	380/220 Volts. Route Miles.	Totals.
Overhead Lines	•••	93	2	2	97

TRANSFORMERS

(Step-up and Step-down).

Kilovolt Amperes. 164,700

Total capacity in course of installation or on order

CONVERTING SUB-STATIONS.

Type.	Number of Sub-stations.	Number of Sets.
Mercury Arc Rectifiers	 18	 27

Electricity Supply Commission.

STATEMENT SHOWING THE PRICE OR RENT OF LAND OR RIGHTS OR INTERESTS IN OR OVER LAND OR OTHER PROPERTY ACQUIRED OR HIRED BY THE COMMISSION DURING THE YEAR 1936.

Area.	Farm or Lot.	District.	Title.	Purchase Price	Acquired From.	Durante for William
cres. Roods, Perches.	Farm or Lot.	District.	l	or Rental.	Acquired From,	Purpose for Which Required.
			NATAL CENTRAL UNDERTA	KING.	*******	
	Lot 22 of Uitkomst and Doornrug 852	Pietermaritzburg	Servitudes of Right-of-Way in Perpetuity	£35 0 0	E. W. H. Dinkelmann	Power Conductors
	Subdivision S of Leliefontein 1175	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	7 17 6	W. H. Keytel	Power Conductors
	Part of Camperdown Township	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	5 0 0	H. Dart	Power Conductors
	Remainder of B of Camperdown Township	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	5 0 0	V. E. Jee	Power Conductors
	Lot 33 of Vaalkop 885 and remainder (Lot 41B) of Vaalkop and Dadel- fontein 5247	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	5 0 0	W. J. Chapman	Power Conductors
	Remainder of W of Cotham of Salt River	Durban	Servitude of Right-of-Way in Perpetuity	2 0 0	A. McDonald	Power Conductors
	Remainder of Craigside 2272	Dundee	Servitude of Right-of-Way in Perpetuity	4 12 6	D. McPhail	Power Conductors
	Subdivision 7 of A of Attercliffe	Durban	Servitude of Right-of-Way in Perpetuity	3 10 0	Varadarajulu	Power Conductors
	Remainder of 21 of Uitkomst and Doornrug 852	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	5 0 0	F. E. Meyer	Power Conductors
	Subdivision D of Ordnance Land 1686	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	-	Government of Union of South Africa	Power Conductors
	10 of Vaalkop and Dadelfontein 885	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity		J. Watson	Power Conductors
	Remainder of D of Honig Krantz 945	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	-	A. F. Doherty	Power Conductors
	A of D of Honig Krantz 945	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	3 10 0	K. S. Pillay	Power Conductors
	Remainder of 271 of Town Lands	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	-	J. L. Smith	Power Conductors
	Subdivisions F and Y of Leliefontein 1175	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	10 0 0	C. A. Mair and J. L. Smith	Power Conductors
	Bannockburn 8868	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	11 0 0	J. J. Frazer and M. Sherrard	Power Conductors
	Remainder of Glencoe 3507	Klip River	Servitude of Right-of-Way in Perpetuity	13 15 0	L. Payne	Power Conductors
	Remainder of Craigieburn	Klip River	Servitude of Right-of-Way in Perpetuity	-	Borough of Dundee	Power Conductors
	Certain Subdivisions of Vaalkop and Dadelfontein 885	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity	15 0 0	A. S. Hardman	Power Conductors
	Remainder of L of Driefontein 952	Pietermaritzburg	Servitude of Right-of-Way in Perpetuity		F. W. Knapp	Power Conductors
			WITBANK UNDERTAKIN			
	N of Portion 16 of Blesboklaagte 29	Witbank	Servitude of Right-of-Way in Perpetuity	30 0 0	M. C. Schoombee	Power Conductors
	D of Klipplaat 47	Witbank	Servitude of Right-of-Way in Perpetuity	22 0 0	J. C. P. de Villiers	Power Conductors
	E of Klipplant 47	Witbank	Servitude of Right-of-Way in Perpetuity	36 0 0	J. T. du Preez	Power Conductors
	M of 16 of Blesboklaagte 29	Witbank	Servitude of Right-of-Way in Perpetuity	20 0 0	S. E. du Plessis	Power Conductors
			CAPETOWN UNDERTAKING	G.		
	Elsenberg and Oostergo	Stellenbosch	Servitude of Right-of-Way in Perpetuity		Government of Union of South Africa	Power Conductors
	Lindani, Retreat, and The Willows, Idas Valley	Stellenbosch.	Servitude of Right-of-Way in Perpetuity	-	B. M. Malleson and G. G. Elliott	Power Conductors
	Remaining extent of Vredenburg	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	J. S. G. Collie	Power Conductors
	Lot 2 of Keuken Valley and 1 of Odendal	Stellenbosch	Servitude of Right-of-Way in Perpetuity	en en	W. L. Hofmeyr	Power Conductors
	Lot B of Fairview	Stellenbosch	Servitude of Right-of-Way in Perpetuity	=	J. P. H. Steyn and A. J. D. Steyn	Power Conductors
	Certain land at Somerset West	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	M. M. McDonald	Power Conductors
	Lot 8	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	J. A. M. Monnik	Power Conductors
	Lots B and C	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	J. M. E. Fry	Power Conductors
	Rehoboth	Stellenbosch	Servitude of Right-of-Way in Perpetuity	550	J. Bredell	Power Conductors
	Vredenburg	Stellenbosch	Servitude of Right-of-Way in Perpetuity	_	F. J. le Roux	Power Conductors
	Lot A of Vredenburg	Stellenbosch	Servitude of Right-of-Way in Perpetuity	-	H. Louw	Power Conductors
	Tregarthen and Lot H of Glen Arum	Stellenbosch	Servitude of Right-of-Way in Perpetuity	2	A. L. Heywood	Power Conductors
		R	AND EXTENSION UNDERTA	KING.		
1	Gemsbokfontein and Venterspost	Krugersdorp	Surface Right Permit	-	Government of Union of South Africa	Power Conductors
1	Spaarwater 154	Heidelberg	Surface Right Permit	-	Government of Union of South Africa	Power Conductors

STATEMENT No. 4.

Units sold to all consumers during the past eleven years.

Year.	Capetown Under- taking.	Durban Under- taking.	Klip Under- taking.	Natal Cent. Under- taking.	Sabie Under- taking.	Witbank Under- taking.	Total.
1926	280,242	_	_	719,666	727,401	160,031,213	161,758,522
1927	5,811,836	_	-	104,206,235	1,938,940	439,061,722	551,018,733
1928	31,038,697	15,563,460	-	114,213,037	2,829,888	464,267,213	627,912,295
1929	47,945,690	78,873,576	_	123,911,774	3,176,173	543,091,138	796,998,351
1930	49,772,016	99,228,000	-	117,075,484	4,585,060	618,951,364	889,611,924
1931	52,109,958	103,899,765		101,131,880	6,585,553	603,359,113	867,086,269
1932	64,268,873	109,808,223		100,292,933	6,080,010	610,285,123	890,735,162
1933	100,685,629	118,538,312	-	109,186,538	6,349,651	639,368,114	974,128,244
1934	73,583,974	131,104,182		124,898,129	7,329,679	648,245,530	985,161,494
1935	80,020,511	149,874,024		154,278,600	7,181,282	727,888,529	1,119,242,946
1936	85,840,383	170,493,987	556,997,155	171,476,131	6,863,253	696,376,199	1,688,047,108

STATEMENT No. 5. Power Station Statistics—1936.

Power Station				Units Generated.	Н	Kilowatts (Sent Out)	mand.	on Units Sent Out.
Colenso	•••			192,121,470		36,260		% 56·8
Congella	***	***	***	180,822,650	***	44,467		43.5
Klip			***	598,165,403		132,180	(Hour)	48.0
Salt Riv	er			273,548,458		57,600		51.8
Sabie				7,376,000		1,200		69.1
Witbank	•••	•••		741,329,579		101,008	(Hour)	78.4
				1,993,363,560				

STATEMENT No. 6.

Particulars of coal used at the Commission's Steam-raising Power Stations.

				COA	L CONSUM	MED.	B.T.	U.'s.	mı ı
Pow	Power Station.			Tons. (2,000 lbs.)	Per Unit Gener- ated. Lbs.	Per Unit Sent Out. Lbs.	Average per lb. of Coal.	Average per Unit Sent Out.	Thermal Efficiency on Units Sent Out
Colenso	15		 	137,942	1.44	1.53	12,380	18,900	18.1%
Congella	10		 	119,162	1.32	1.40	12,630	17,700	19.3%
Klip			 	485,114	1.62	1.74	9,660	16,810	20.3%
Salt River			 	154,760	1.13	1.19	13,240	15,700	21.7%
Witbank	28		 	664,288	1.79	1.91	11,140	21,280	16.0%
				1,561,266					
					Avera	age Cost per	Ton (2,000	lbs.).	
			1930.	1931.	1932	. 1933.	1934.	1935.	1936.
Colenso			8/-	8/3	9/10	0 10/7	10/9	10/9	11/-
Congella			13/2	14/2	15/4	15/6	15/4	15/-	15/5
Klip				-	_	i —	_		3/2
Salt River			23/5	23/4	24/11	25/4	25/6	25/4	25/4
Witbank			2/2	2/2	$^{2/4}$	2/4	2/3	2/3	2/2

ANNEXURE "C."

STATISTICS RELATING TO THE PRODUCTION AND SUPPLY OF ELECTRICITY IN THE UNION OF SOUTH AFRICA.

Extracted from the 1934/35 Industrial Census, and published by courtesy of the Department of Census and Statistics (Pretoria).

UNITS GENERATED.

Province.		Local Authorities.	Other Producers.
Cape		 136,340,855	251,890,261
Transvaal		 246,397,726	2,672,079,724
O.F.S	•••	 28,675,002	15,791,630
Natal		 12,639,449	408,665,716
Totals		 424,053,032	3,348,427,331
		3,772,4	180,363

CONSUMERS AND SALES.

	PROVINCE.						
	Cape.	Transvaal.	O.F.S.	Natal.	Total.		
Total Number of Consumers	98,115	94,370	11,706	39,440	243,631		
Total Units Consumed	338,865,971	2,509,762,594	38,990,819	358,629,988	3,246,249,372		
Number of Domestic Consumers	88,914	81,026	10,213	36,512	216,655		
Units Sold to Domestic Consumers	136,347,117	106,244,481	6,221,493	87,134,842	335,947,933		
Average Units Sold per Domestic Consumer	1,533	1,311	610	2,386	1,551		

INSTALLED CAPACITY OF PLANTS.

Capacity.		Numbe Power St		3.
50,000 kilowatts and over		6	510,100	
20,000 kilowatts and over and	below 50,000	kilowatts 9	317,350	
10,000 kilowatts and over and	below 20,000	kilowatts 3	35,000	
5,000 kilowatts and over and	below 10,000	kilowatts 7	56,530	
1,000 kilowatts and over and	below 5,000	kilowatts 25	54,038	
Below 1,000 kilowatts		210	44,682	
		260	1,017,700	

SIZE AND TYPE OF GENERATING UNITS.

Size of Sets.			Steam	Steam Recip- rocating	Oil	Gas	Water Wheels and	Total Number
			Turbines.	Engines.	Engines.	Engines.	Turbines.	of Sets.
(1) A.C. Plants—								
Below 250 kilowatts			2	70	123	24	19	238
250 kilowatts and over,	but	below		24				
1,000 kilowatts			18	57	1	2	9	87
1,000 kilowatts and over,	but	below						
5,000 kilowatts		.,.	65	2	_	_	_	67
5,000 kilowatts and over			63	-	-		· —	63
(2) D.C. Plants—								
Below 250 kilowatts			2	68	143	25	5	243
250 kilowatts and over,	but	below						
1,000 kilowatts			1	16	_		1	18
1,000 kilowatts and over,	but	below						
5,000 kilowatts	•••		1	-	-	-	-	1

FUEL CONSUMED.

			Quantity.	
Type of Fuel.			(Tons=2,000 lbs.).	Cost.
Coal			 3,876,110	£1,513,095
Other F	nel		 _	£76,199

COAL CONSUMPTION.

Average Coal Consumption per Unit Generated.						Number of Undertakings			
Und	der 2 1	bs							14
2 11	os. and	over,	but	under	3	lbs.			15
3 11	s. and	over,	but	under	4	lbs.	34.4X		16
4 ll	s. and	over,	but	under	6	lbs.	***		26
6 lb	s. and	over,	but	under	8	lbs.			12
8 11	os. and	over							39

TRANSMISSION AND DISTRIBUTION LINES.

System.		Overhead Lines.	Route Miles: Cables.
D.C.—All voltages		647	184
A.C.—Below 2,000 volts	***	3,996	2,279
2,000 volts to 11,000 volts	***	948	2,141
Above 11,000 volts		1,630	189

TRANSFORMERS.

Total	installed	capacity	•••	 	3,164,537	K.V.Λ.

Total number of persons employed in the electricity	
industry (generation and distribution)	11,377
Total salaries and wages paid for the year	£1,719,252