

ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
FOR THE YEAR
1958

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PUBLIC WORKS DEPARTMENT,

Georgetown, Demerara,

British Guiana.

3rd November, 1959.

The Honourable,
The Minister of Communications and Works,
Ministerial Building,
Georgetown.

Sir,

Public Works Department, British Guiana
Annual Report, 1958.

I have the honour to submit the report of the activities of the Public Works Department for the financial year 1958, for submission to His Excellency the Governor.

INTRODUCTION

2. Expenditure during the year 1958 achieved an all time high, and for the first time exceeded \$10,000,000. Despite the increase over the previous year, it was not found possible to complete all works for which funds were provided. Shortages in trained technical personnel and lack of adequate equipment were the principal sources of delay, but many works for which funds were released late in the year also could not be completed.

3. Activities of the Department during the year were highlighted by the arrangements dependent on the visit of Her Royal Highness, The Princess Margaret, and by an unexpected breach in the sea defences at Emmore, East Coast Demerara. The former entailed considerable activity in various sections of the department, and certain officers were placed on committees responsible for certain arrangements for the visit.

4. The breach in the sea defences at Emmore entailed a co-ordinated effort of Government Departments, the Sugar Authorities, and other parties to keep out the sea from damaging land, crops and other property in the area. In this way, it was possible to control flooding and damage in a relatively short period, but this was only possible by the devotion to duty and long hours worked by certain officers of the Department.

5. During the year, the Department made further progress in having work done by contracts based on competitive bidding; and the General Conditions of Contract for building work was revised and put into general use in the Department.

6. Both the roads and building divisions have introduced systems for keeping statistics on works. It is hoped that by 1959 these systems will be in full use.

7. The re-organisation of the department and the move towards progressive improvement in standards and systems have been hampered by staffing difficulties, lack of suitably trained staff at certain levels, and the intense pressure placed on a few who were bogged down continuously on routine day to day matters.

TABLE I
COMPARATIVE FIGURES OF EXPENDITURE

Expenditure Head	1954	1955	1956	1957	1958
<u>Miscellaneous</u>	\$	\$	\$	\$	\$
Miscellaneous - Subventions, etc.	259,395.00	252,321.29	261,261.18	505,813.72	677,456.26
<u>Public Works</u>					
Personal Emoluments	355,449.60	635,065.87	657,945.40	768,855.65	854,017.92
Other Charges and Extraordinary expenditure	202,172.64	263,837.24	273,362.06	159,848.99	179,028.20
<u>Drainage and Irrigation</u>					
Personal Emoluments	169,876.89	-	-	-	-
Other Charges and Extraordinary expenses	129,556.28	-	-	-	-
Public Works Annually Recurrent	1,897,630.43	2,917,720.75	2,808,553.54	3,028,066.25	3,203,391.83
Drainage and Irrigation Annually Recurrent	391,887.69	-	-	-	-
Public Works Extraordinary	838,652.78	1,085,904.19	787,106.02	497,412.59	1,063,529.63
Development Works including C.D. & W. Schemes	3,741,542.78	2,452,259.79	2,786,638.90	2,932,973.57	2,916,059.28
Development Works done for other Departments	-	-	-	-	815,451.34
Advances - General	160,523.45	455,326.20	392,977.63	246,906.89	350,918.04
Advances - Works for other Departments and Private Parties	430,751.93	493,242.48	1,505,377.85	1,600,351.65	44,628.54
Extraordinary Interim Relief Payment - Revision of salary 1954	152,186.45	4,964.72	2,604.62	-	-
Colonial Emergency Measures	436,943.26	147,575.85	87,273.01	22,071.75	32,518.84
Foreign Creditors	1,981.60	7,321.95	5,963.01	4,023.48	72.71
Expenditure under Declared Drainage Areas from Drainage Rates	204,181.41	-	-	-	-
	\$9,372,732.19	\$8,715,620.33	\$9,569,063.22	\$9,766,324.54	\$10,137,072.59

TABLE II

PERCENTAGE OVERHEADS AND ESTABLISHMENT CHARGES

	1954	1955	1956	1957	1958
	%	%	%	%	%
(a) Percentage of Personal Emoluments to Total Expenditure	5.60	7.27	6.88	7.87	8.42
(b) Percentage of Personal Emoluments and Other Charges to Total Expenditure	7.88	9.74	9.57	9.51	10.18

	1954	1955	1956	1957	1958
	\$	\$	\$	\$	\$
Expenditure per Professional Officer	520,707	670,432	637,937	465,063	460,766
Expenditure per Senior Officer	194,642	264,110	258,623	221,961	219,795

EXPENDITURE

8. The total expenditure during 1958 under all heads was \$10,137,072.59. This figure includes works carried out on behalf of other Departments both under Recurrent and Development Heads. Details of the expenditure under the various Heads of charge are given in Appendices I - VII.

9. The expenditure for the year was 3.9% higher than that of the previous year. Table I gives comparative figures of expenditure for the **past five years**.

10. Table II shows the ratio between Personal Emoluments and Other Charges to total expenditure. The expenditure per Professional Officer and the expenditure per Senior Officer of the Department for the year under review are also shown.

ADMINISTRATION AND STAFFING

11. The administration of the Department was severely hampered throughout the year by vacancies in the top administrative posts. The post of Deputy Director was vacant for the entire year, that of Assistant Director was filled from 8th January until 29th January, but due to the holder being required to act as Chief Engineer (Roads), he never assumed duty in his substantive appointment. Thus, for the whole year, the vacancy was not filled.

12. An acting appointment of Deputy Director was held by one of the Executive Engineers, but no acting appointment was made to the post of Assistant Director. This resulted in a considerable amount of additional work being thrown on the Director, who not only had the responsibility for the entire Department but also had to carry out the duties of other posts. He therefore found himself unable to carry out many necessary inspections to examine the administration and progress of works in out-lying districts.

13. The Divisional Engineers continued to serve as members of Regional Development Committees, and district advisers to the Drainage and Irrigation Department wherever Drainage and Irrigation Engineers were not posted. They also served on Rice Assessment Committees and some as Honorary members of Unions of Local Authorities.

14. Some officers of the directorate and executive staff were on long leave during the year, and this was responsible for further depletion in the senior staff, vital to the proper functioning of the department.

15. During the latter part of the year, 2 students who were sent to the United Kingdom on Government Scholarships returned to the Colony and were appointed assistant engineers. These officers are presently undergoing further practical training in the department in sea defences and potable water supply so that they may in due course be able to take over the more responsible positions of engineers.

16. The staffing of the Clerical Section of the Department was considered satisfactory. It is still felt, however, that there were much too many transfers in and out of the department and in cases trained staff were transferred and inexperienced substitutes put in their place.

17. The strength of the various categories of staff at the end of the year is shown in Table III.

TABLE III

Staff Strength at 31.12.58.

Description	Permanent		Temporary		Total	
	Authorised	Actual	Authorised	Actual	Authorised	Actual
<u>PROFESSIONAL</u>						
Engineers, Civil						
(a) Directorate	4	2	-	-	4	2
(b) Headquarters	6	5	-	-	6	5
(c) Divisional & Districts	11	10	-	-	11	10
Engineers, Mechanical Headquarters	2	2	-	-	2	2
Architects	4	3	-	-	4	3
Quantity Surveyor	1	-	-	-	1	-
<u>Technical</u>						
Chief Draughtsmen	2	2	-	-	2	2
Assistant Quantity Surveyors	4	4	-	-	4	4
Drilling Superintendent	1	1	-	-	1	1
Well Driller	1	1	-	-	1	1
Surveyors & Probationers	18	15	8	8	26	23
Draughtsmen	12	8	-	-	12	8
Superintendents	5	5	-	-	5	5
Assistant Engineers	3	2	-	-	3	2
Engineer Assistants	3	-	-	-	3	-
Civil Engineer Apprentices	5	-	-	-	5	-
Tracers & Computers	5	3	2	2	7	5
Technical Assistants	5	5	-	-	5	5
<u>Overseers</u>						
Roads, Buildings & Sea Defences	43	43	-	-	43	43
Overseer Apprentices	7	5	-	-	7	5
<u>Foremen</u>						
Mechanics	3	3	9	9	12	12
Pure Water Supply Porter	6	6	-	-	6	6
	1	1	-	-	1	1
<u>Clerical</u>						
Executive Officer	1	1	-	-	1	1
Accountants	6	5	-	-	6	5
Storekeepers	4	4	18	18	22	22
Personnel Officers	2	2	-	-	2	2
Field Auditor & Assistant	2	2	-	-	2	2
Stock Verifiers	6	6	-	-	6	6
Clerks & Clerical Assistants	104	100	167	167	271	267
Other Full time Staff	46	46	132	132	178	178
<u>TOTAL</u>	323	292	336	336	659	628

18. Details of the average number of daily paid workmen and their average rates of pay are given in Table IV.

TABLE IV

Type of Labour	Average Number	RATE OF PAY		
		Lowest	Highest	Average
		\$	\$	\$
1. Artisans	125	3.63	4.59	4.09
2. Skilled	425	3.28	4.59	3.97
3. Unskilled	2,535	2.52	3.92	2.93
4. Apprentices	30	1.60	3.28	2.23

19. During the year a total of 21,118 days of vacation leave and 24,734 days of sick leave were granted to Open Vote employees of the department.

ACCOUNTING SECTION

20. The Accounting Section of the department consists of a central head office staff of establishment officers under a Chief Accountant, and districts staff comprising primarily of open vote clerks under a Class I or Senior P.W.D. Clerk, designated Clerk-in-Charge.

21. Provision was made in the year's estimates for a post of Accountant, and an officer in the service was promoted to this post, but at the end of the year, this officer had not yet been placed in the department to take up the duties of the post. This post provides a place for an officer better equipped to understudy the Chief Accountant and to take off much routine office duties from the latter, thus leaving him with more time to devote his efforts on training, accounting procedure and control.

22. During the year a scheme was being worked out for the placing of paymasters in the districts. However, owing to housing and other problems, it was not possible to give effect to this scheme by year-end.

23. The Accounts section brought to account expenditure of \$10,137,072.59 and the number of vouchers handled during the year was as follows:-

Receipt Vouchers	4,521
Cash Payment Vouchers	19,540
Paymasters' Vouchers	16,068
Adjustment and transfer Vouchers	11,945
	<hr/>
Total	52,074
	<hr/> <hr/>

CENTRAL STATIONERY STORE

24. The Central Stationery Store was faced again during 1958 with the annual problem of greater supplies for a rapidly expanding service. During the year, new services and commissions included:-

- (a) Rice Assessment Committees, Georgetown, New Amsterdam and Essequibo;
- (b) Inland Revenue, Berbice;
- (c) Port Mourant Hospital;
- (d) Rice Storage Investigations;
- (e) Roads Division, Public Works Department;
- (f) Rural Expansions in the Forestry, Medical and Drainage and Irrigation Department.
- (g) Civil Service Enquiry Advisory Committee;
- (h) Review of Conditions of Service and Salaries in the Public Service.

25. In addition to the above, large stocks of stationery were supplied in connection with the Royal Visit. Also special orders had to be placed for supplies required by Elections Officer, new file jackets and other materials recommended by the Organisation and Methods Department for improved filing systems, and paper for the new "Off Set" printing machine at the office of the Controller of Government Printing and Stationery.

26. However, in spite of the extraordinary supplies issued during the year, actual expenditure was less than in the previous year. The introduction of the use of Newsprint paper for printing purposes, and the cessation of the supply of toilet paper by the store to Government Departments have contributed a great measure to this reduction in expenditure.

27. The sum voted for expenditure during 1958 was \$84,300 and actual expenditure amounted to \$82,269.93 while corresponding figures for 1957 were \$90,000 and \$88,862.89 respectively.

28. The reports of the Annual Board of Survey and Audit Inspection were satisfactory.

29. With effect from the December quarter, control of the Central Stationery Store was transferred from the Public Works Department to the Controller of Government Printing and Stationery.

FIELD AUDIT SECTION

30. The established strength of the Field Audit Section was increased during 1958 by the provision of two additional posts of Stock Verifier, bringing the total to nine. The new posts were filled in September.

Stock Verification, Georgetown and other District Stores

31. Twenty-four Stock Verifications of Stores were carried out during the year as listed in Appendix X. One store - Lethem, Rupununi - was not verified pending a decision as to a suitable stores system for implementation.

32. In addition to the Annual Stock Verification of Stores, frequent surprise checks were carried out of fast moving items, viz: paint, paint oil, nails, gasolene and lubricating oils.

Field Audit Reports and Investigations

33. Forty-five investigations as listed in Appendix XI were carried out arising from Audit Inspections and reports (anonymous or otherwise).

Burnt Earth Heaps

34. Several burnt earth heaps were measured during the year.

Cash Surveys

35. Surveys of Imprest and Revenue Cash were periodically carried out in the various districts.

36. The field Audit Section operated at full strength during 1958 and with the addition of the two new Stock Verifiers in September, it was possible to increase the activities of the section and thus maintain a high effectiveness.

NEW BUILDING BRANCH AND DRAWING OFFICE

37. This branch of the department is principally concerned with new building work. The preparation of designs and working drawings, and advice to various Government Departments on Architectural and Building Works were continued during the year.

Drawing Office

38. The Drawing Office, with a modest increase in staff, completed sketch designs, preliminary drawings, and working details to contract stage for 27 schemes; sketch design and preliminary drawings for one scheme and sketch design for one scheme. The total estimated cost of the works for which working drawings were prepared was \$1,236,000. Details of work done by the Drawing Office are given at Appendix XII.

QUANTITY SURVEYING SECTION

39. At the commencement of the year the staff of the section comprised 9 officers, and at the end of the year only 4 persons were in office. Depletion in staff was due to transfers, vacation and study leave. The Quantity Surveyor was transferred to the Local Government Department in October, while an Assistant Quantity Surveyor left the Colony in August to take up a scholarship in quantity surveying. At the end of the year, the staff consisted of 1 senior assistant quantity surveyor, 2 assistant quantity surveyors and 1 tracer.

40. The following work was carried out during the year:-

- (a) Bills of Quantities were prepared for four (4) buildings. Tenders received for these were checked and on the award of the contracts, the documents were prepared for signature.

In addition, the section assisted the Housing and Planning Department by preparing Bills of Quantities for five projects in connection with their housing lay-out at Ruimveldt.

- (b) Specifications and contract documents were prepared and put out to tender for thirty (30) projects.
- (c) Final accounts were prepared in respect of seven (7) contracts.
- (d) Valuations for Interim Certificates were made on nine (9) current contracts.
- (e) Measurement of work was carried out on four (4) contracts in addition to (c) and (d).
- (f) Approximate estimates were submitted in respect of thirty-eight (38) buildings.
- (g) Surveys and valuations were made in respect of six (6) buildings.
- (h) Surveys and assessments of rents were made in respect of one building.
- (i) Assessment returns were prepared for thirty-four (34) properties for submission to the Georgetown Assessment Committee.

41. In addition, the section continued to be responsible for the department's library and for the recording of Boiler Certificates.

BUILDINGS

(A) Maintenance

42. A valuation of all Government Buildings maintained by this Department is shown below:-

TABLE V

Type of Buildings	Total capital value of Govt. property under P.W.D. control at 1.1.58.	New Buildings added during the year	Total capital value at 31.12.58.
	₹	\$	\$
(i) Residential	14,264,396	141,618	14,406,014
(ii) Public Buildings	16,726,735	462,507	17,189,242
	30,991,131	604,125	31,595,256

Expenditure on the maintenance of Buildings \$655,238.51

Maintenance expenditure expressed as a % of capital value at 1.1.58. 2.11%

(B) New Construction

43. During the year new building works were carried out both under the Development Programme and Public Works Non-Recurrent, and expenditure under these heads was \$696,792.12 and \$56,578.26 respectively.

44. The following are some of the principal buildings completed during the year:-

- 22 Houses
- 1 Rural Post Office
- Office extension, Customs & Excise
- Magistrates' Court, New Amsterdam
- Central Medical Stores
- New Telecommunications Centre
- Port Mourant Hospital
- Alterations Balaclava Barracks into flats
- Extension Bishop's High School
- Extension Local Government Building
- Darkroom, Registrar General's Office
- Extension Deeds Registry, New Amsterdam.

45. The following are the principal works that were in progress at the end of the year:-

- New Kitchen, New Amsterdam Hospital
- Control Tower and Alterations Terminal Building, Atkinson Field
- Conversion of Barracks into flats, Atkinson Field
- 2 Rural Post Offices at Emmore and Wismar.

46. Details of expenditure for some of the principal buildings constructed are given at Appendices VIII & IX.

ROADS - 1958(i) Road Maintenance Expenditure

47. During 1958, 539.75 miles of road were maintained at a cost of \$1,321,169.91. This figure includes the cost of maintaining the bridges and culverts occurring along the roads.

48. The average cost per mile for each type of road maintained by the Public Works Department is shown on Table hereunder:-

Type of Road	Miles	Maintenance		Average Width of Carriageway
		Cost	Cost per Mile	
Bituminous Surface	96.5	\$ 367,983.75	\$ 3,824.	18'
Burnt Earth	226.25	738,145.56	3,267.	14'
Quarry Cleaning	31.	81,051.88	2,615	14'
Stone & Gravel	64.	86,860.45	1,295.	12'
Natural Sand & Corduroy Tracks	122.	47,228.27	387.	12'
Total	539.75	1,321,269.91		

49. For comparison the following information from the Georgetown Town Council is supplied hereunder:-

Type of Road	Miles	Maintenance		Average Width of Carriageway
		Cost	Cost per Mile	
Bituminous Surface	41.79	\$ 131,938.14	\$ 3,157	18'
* Stone and Gravel	10.21	142,890.71	13,995	16'

* Includes foundationing and asphalt surfacing (new work) on water-bound roads.

(ii) Population

50. The following statistics are in respect of the Colony for 1958:-

Population (approximately)	540,640
Area (do.)	83,000 sq.miles
Population density (approx.)	6.5 persons per sq. mile
Average Road mileage per sq. mile	0.0065.

(iii) Fuel

51. The quantity of spirit imported for 1958 is shown in Table hereunder along with quantities for 1955, 1956, 1957.

	Number of Gallons			
	1955	1956	1957	1958
Gasolene	5,143,320.	4,823,840.	5,427,195.	5,243,665.
Dieselene	898,485.	416,850.	644,000.	7,350.*
Gas Oil	3,724,455.	5,013,575.	5,277,195.	6,578,635.
Diesel Oil	4,403,560.	3,165,155.	2,743,650.	2,453,185.
Fuel Oil Bunker C	23,939,755.	27,555,290.	24,641,155.	17,731,140.
	38,109,575.	40,974,710.	38,733,195.	32,013,975.

* Most of the dieselene imported in 1958 has been returned under the heading of gas oil by the Comptroller of Customs.

(iv) Vehicles

52. The number of vehicles registered, licensed, and operating over the entire colony for each of the years 1954, 1955, 1956, 1957, 1958 was as follows:-

Type of vehicle	1954	1955	1956	1957	1958
Buses	78	102	109	116	101
Lorries	1,189	1,880	2,063	2,409	2,401
Vans	267	351	448	559	471
Motor Cycles	998	562	913	1,605	2,394
Private Cars	3,869	4,206	4,940	5,790	6,817
Hire Cars	1,425	1,242	1,327	1,356	1,372
Tractors, etc.	919	1,474	1,840	2,202	2,682
	8,745	9,817	11,640	14,037	16,238

Number of vehicles per mile of road in 1958 - 30

" " " " " 1,000 head of population - 30

(v) Density of Traffic

53. It will be noted from Appendix XIII which shows the density of traffic on a 24 hour basis at various census points, that only at three (3) points were there less than 100 vehicles per day viz: New Forest, East Canje Road

Lochaber, West Canje Road

Enterprise, Leguan;

while at Ruinveldt 5,089 vehicles per day were recorded.

54. There was a slight overall decrease in traffic density as compared with 1957.

(vi) Road Improvements and Extensions

55. The following works on Road Improvement Schemes under the Development Programme were done during the year:-

(a) Corentyne:

Work on this main route was largely confined to maintenance operations, due to shortage of skilled staff and lack of heavy equipment. Certain sections of the route have deteriorated very considerably, and serious failures in the original sub-base and base occurred at some points.

(b) East Coast Main Road:

The Road Consultants to Government pressed forward with their plans of highway geometric design for the entire route, and their Project Report was nearing completion at the end of the year. The Consulting Engineers also had in hand preparation of detail designs and contract documents for major new bridges, e.g. the Abary Bridge, Annandale Bridge, etc.

The construction of a stabilised sand embankment at Drill, to the specification provided by the Consulting Engineers, was well advanced towards completion by the end of the year.

(c) East Bank Demerara Road:

Progress on deviations, foundations and surfacing, and reconstruction of bridges was maintained.

(d) Parika-Bartica Road:

Road location surveys were continued and preparation of plans of the geometric design for nine (9) miles of the proposed route northwards of Makouria were in hand.

(e) Bartica-Mahdia Road:

Road widening and laying of sand/clay surface were continued.

(f) Mahdia-Rupununi Road:

The Flagging and Reconnaissance Survey was continued to the region of the Burro-Burro River and to the end of 1958 a total distance of seventy (70) miles was traversed.

(vii) Staffing Roads Division

56. The staffing of the newly formed Roads Division was strengthened once more by the appointment of a new Chief Engineer, Roads, but after about four (4) months duty, he proceeded on long leave in May. He returned in October and was immediately appointed to act Director of Public Works. Thus, for the entire year, the officer appointed to the post of Chief Engineer, Roads, actually carried out the duties of that post for approximately 4 months only.

57. During that period, and to the end of 1958, the Executive Engineer, Materials, acted as Chief Engineer, Roads. In November, the District Engineer, Berbice, was transferred to the Roads Division to act as Executive Engineer, Locations and Design. These acting appointments considerably strengthened the under-staffing of Engineers experienced in this Division since its inception.

AERODROMES & AIRFIELDS(A) Atkinson FieldMaintenance of Runways

58. During the year, routine maintenance was carried out on all runways and taxiways at a cost of \$15,509.60. Also the take-off and approach zones were cleared, expenditure incurred on this work being \$6,000.

59. Appendix XIV gives details of runways and expenditure incurred during the year.

Maintenance of Roads and Bridges - Atkinson Field

60. Six miles of bitumen and concrete roads were maintained during the year and two wooden bridges of 20 foot span each were reconditioned.

Roads - Atkinson Field

Description	Miles	Expenditure 1958	Cost per Mile	Width of Carriageway
		\$	\$	
(a) Bituminous surface	2)	11,239.95	1,873.32	20'
(b) Concrete surface	4)			20'

Aircraft Movements

61. During 1958 there were 2,689 landings and 2,690 take-offs.

Aircrafts using the Aerodrome range from Austers -
2,400 lbs. A.U.W. to
Globemasters 175,000 lbs. A.U.W.

Water Supply

62. The consumption of water for the year was approximately 68,404,000 gallons which show an increase of nearly 5,000,000 on the previous year's supply.

63. Appendix XV gives the essential information on the water supply at Atkinson Field.

Electricity

64. The total power generated during the year 1958 with an average peak load of 300 K.W. was 1,508,975 K.W.H. an increase of 215,725 K.W.H. on the output for 1957.

65. Minor repairs and routine maintenance were carried out during the year on the entire Generation Transmission and Distribution System and electrical installations.

66. The Auxilliary Plant supplying the Airport is a 50 K.W. Generator powered by a diesel engine. There was no necessity to put this Plant into operation during the year.

67. The plant was run at a total operation cost of \$77,152.74 and total revenue collected during the year was \$24,714.63. (See Appendix XVI for details).

Buildings

68. Army Buildings: All buildings occupied by the Army were reconditioned and painted. Special funds were provided for this work under Emergency Measures.

69. Other Buildings: In addition to the Army occupied buildings, twelve (12) cottages in Area 3, three (3) buildings (Apartments) in Area 2 and sixteen (16) Labourers' cottages were reconditioned. The cost of maintaining all the buildings was \$12,799.52.

70. Airport Buildings: A sum of \$25,000 was provided for the renovation and construction of offices at the Terminal Building. Of this amount, a sum of \$7,673 was spent. A decision from the Director of Civil Aviation as to whether or not the present Control Tower should be renovated and continued as such, or be removed to the old Metal Control Tower was being awaited at the end of the year.

71. The old Metal Control Tower was reconditioned at a cost of \$1,200 and the cost met from Minor Works and Improvements.

Stelling

72. A sum of \$18,380 was spent on repairs to the stelling. Some of the worse piles and more than two-thirds of the decking was renewed.

Security Measures

73. A sum of \$9,310 was spent on the erection of 10 foot chain link fencing around the following:-

- (a) The Bulk Storage Tanks
- (b) Power House
- and (c) Part of the Airport area.

74. The pump and Filtration Plant buildings were rendered more secure with B.R.C. Fabric to the doors and windows.

Maintenance Expenditure

75. The total cost of maintenance of Atkinson Field was \$178,041.07. Details of this expenditure are given at Appendix XVII.

Interior Airstrips

76. A number of airstrips in the interior was maintained during the year at a total cost of \$19,789.03. Details of these airstrips are given at Appendix XVIII.

WATER SUPPLY

77. The Pure Water Supply Section continued to look after the supply of potable water in rural areas.

New Wells

78. During the year, one Government owned well was completed under the Development Programme at Devonshire Castle, Essequibo Coast, while at the end of the year another was being drilled at Hague, West Demerara. One well was drilled for private parties at Land of Canaan - East Bank Demerara. The average depth of hole drilled was 514' - 6", the deepest being 585' - 3" and the shallowest 385' - 3".

79. Appendix XIX shows all wells completed during 1958 together with other relevant data.

Wells Reconditioned

80. Three wells on the Essequibo Coast were reconditioned. These were at Hope, Aurora and Suddie. A satisfactory flow was re-established in each well.

Overhead Tanks, Sumps and Pumping Installations

81. Overhead tanks, sumps and diesel pumps were installed at Bush Lot, Berbice, Lintlair - Corentyne, and Best - West Coast Demerara, while a sump and pump were installed at Springlands - Corentyne. At the end of the year work was in hand on similar installations at Vreed-en-Hoop - West Coast Demerara, Pouderoyen - West Bank Demerara, La Bagatelle - Leguan and Onderneeming - Essequibo.

82. The construction of a dam across the Hosororo Creek in the North West District was commenced, and a start was made on a feed well and installation of a hydraulic ram. A 10,000 gallon tank was erected to give a pressure distribution of water to the Hosororo Area.

83. Appendix XX gives the current position with respect to overhead tanks and pumping installations constructed by this Department throughout British Guiana.

84. At 17 pumping installations a total of 741,500 gallons of water was pumped, daily. Where systems newly completed and in hand are put into operation it is anticipated that an additional 310,000 gallons per day will be available for distribution. Additional pumping time could considerably increase this amount.

85. The average cost of operation and maintenance was 12.88 cents per 1000 gallons.

New Pipelines and Extensions

86. A total of 8.75 miles of new pipelines were laid under the Development Programme; and 1.41 miles for other Government Departments and 0.21 mile for private parties were also laid. 6.84 miles were taken up and relayed to improve existing supplies. Details of the location of these works are given in Appendix XXI.

Maintenance and Distribution Lines etc.

87. 196 miles of distribution mains were maintained, 2,440 separate repairs were carried out, and some lines were pumped to improve the supplies.

88. Some of the wells on the Essequibo Coast were cleaned and two heads were cut. This resulted in improved supplies.

Rainfall

89. The rainfall recorded for the 12 months ending December 1958 was 54.39 inches. Thus, 1957 and 1958 became the two driest consecutive years on record.

SEA DEFENCES

Maintenance and Replacement Works

90. A total sum of \$438,326.73 was spent during the year on the maintenance of sea and river defences throughout the Colony. There were periods of unrest and grave concern over certain sections of coastal protection, due to continuous high tides and the rapid erosion of the foreshore in certain areas. Fortunately, other than one serious mishap, it was possible to ward off the threat of the sea and so generally protect the low lying coastal area from the intrusion of salt water.

91. It has become evident that constructional methods and techniques employed on sea defence works must be improved to give adequate protection to the rapidly improving coastal areas. Steps have already been taken to effect these necessary improvements.

Emergency Works caused by breach

92. On the 6th March 1958, a breach approximately 50' wide occurred in the sea defences at Emmore, during the afternoon high spring tide. This breach widened rapidly and by the morning of the 7th had reached a width of approximately 150' while a much larger breach of approximately 500' width occurred some 250' away. The fight against the sea commenced immediately and Government Departments, Sugar Estates, and other parties threw in their lots to combat the inroad of salt water and protect properties adjoining the affected sea defences. Flooding was brought under control on the 29th March, and both breaches were sealed by the 29th May. The total cost of all the works done was \$450,432.01.

93. The erosion, which commenced at Emmore and caused a breach in the sea defences, continued westward, and by September the area from Bladen Hall to Enterprise was being threatened with a breach. Immediate steps were taken to construct a second line of defence, and by the end of the year substantial progress was made in strengthening the sea defences of the area and protecting it with a boulder facing. Expenditure on this work at the end of the year had totalled \$174,385.49.

Development Works

94. Under the Development Programme, the sea defences of the Colony were extended by the construction of 7.2 miles of earth dam during 1958. In addition, 1,307 feet of boulder-faced wall, 1,324 feet of wave screen, 1,346 feet of timber revetment, 1,919 feet of sandcrete walls, 6,768 feet of boulder groynes and one double 16' R.C. sluice were completed. 518 feet of old wall were recased, and at the end of the year a double 16' sluice and a single 16' sluice were in progress.

95. Appendix XXIII gives more details of the works done under the Development Programme.

SURVEYS

96. During the year, the Survey Department was divided, and four (4) Surveyors were transferred to the Roads Division to carry out road surveys. At the time of the transfer, the department had completed about 26 miles of survey on the Potaro-Lethem Road Survey.

97. Under Engineering Surveys, the following were done:-

33 Site surveys for engineering works and buildings;

2 Airstrips in the Interior;

4 Boundary surveys for Acquisition of Land;

98. Under Sea Defence Surveys, the following were done:-

10 Surveys for the preparation of Contracts;

6 Surveys for the Acquisition of Sea Defence Reserve;

4 Surveys for Coast erosion records;

6 small surveys for maintenance of walls.

99. Under Hydrographic Surveys, the following were done:-

2 hydrographic surveys of the East Coast sea defences with currents off Strathspey.

100. The survey launch was under repair for most of the year, and thus hydrographic surveys were not as extensive as was desired.

CENTRAL STORESFinancial Transactions

101. Financial transactions for the year amounted to \$3,455,481.26 and the total stock on hand at the 31st December 1958, was \$820,239.52. Details of these transactions are given at Appendix XXIII. Total purchases and issues during the year were less than for the past 3 years, due to a reduction in the issues of stores to Development Works.

Lumber

102. During the year a total of \$142,504.48 of lumber was purchased by the Central Stores for various P.W.D. Branch Offices. This expenditure does not, however, represent the total purchases of lumber for the entire department for the purchase of lumber was decentralised, and large quantities of material were purchased locally by district offices. Further, on "Labour and Materials" contracts, the contractors were not allowed to purchase lumber through the department. Whenever possible, supplies of 1 inch boards were obtained from the Forestry Department.

Customs Clearance

103. A total of approximately 6649 tons of merchandise at a C.I.F. value of \$1,512,461.12 were imported and cleared through Customs on a duty free basis. These figures include Stores paid for directly by the Drainage and Irrigation Department, and the Roads Division of this department. All items were cleared within the period of time allowed by the Customs Authorities.

Business with other Government Departments

104. During the year there was a marked drop in business with the Housing Department, one of the largest customers, due to a slowing down of the activities of that department. This affected the total volume of business with other Government Departments. However, although the total purchases by these departments were less than the previous years, a larger number of departments made use of the facilities offered by the Central Stores.

Accommodation

105. The cement bond and steel shed are unsatisfactory and do not give the measure of protection needed for these stores. It is hoped that some improvement will be made in the near future.

Vouchers and Correspondence

106. A total of 309,068 vouchers and correspondence were handled during the year. Appendix XXIV gives the details, along with comparative figures for previous years.

MECHANICAL BRANCH

Workshop

107. During the year, overhauls and repairs were carried out on plant, equipment and vehicles both for the Public Works and other Government Departments. A total of 2,232 jobs were completed at a cost of \$248,189.

108. A prefabricated building was purchased in December for extension of the workshop; and at the end of the year, several items of new workshop machines had also been received. This new building, when erected, along with the additional machines will provide more working accommodation, tools and equipment vital to improve efficiency in the workshop.

Lorry Establishment

109. At the commencement of the year the operating fleet of lorries was 98 of which 90 were "Pool" vehicles and the remainder specially allocated to the Bartica-Potaro Road Improvement Programme.

110. During the year 31 new lorries were purchased by the department. Twenty-one were bought from special funds for the East Bank Road Development, and ten supplied to the "Pool".

111. The "Pool" vehicles ran a total of 471,245 miles during the year at an average running cost of 49.05 cents per mile or an approximate cost of 16.85 cents per ton-mile.

112. Details of costs for the various districts are given at Appendix XXV.

Motor Cars and Station Waggon

113. The department continued to operate four land rovers for use by paymasters. Normal repair and maintenance were carried out to these vehicles as well as those attached to Government House, and one used by the I.C.A. Road Adviser.

Plant and Machinery

114. A list of the major items of plant and machinery owned and used by the department is shown at Appendix XXVI.

Water Transport

115. The water transport section continued to operate 4 tugs and 8 steel pontoons for the transportation of stone, machinery etc. for Government departments. The tugs, which are wooden hulled, have been found expensive to maintain. A programme of replacement of these tugs by steel hulled ones will be a definite advantage and will reduce maintenance cost.

116. Table VI shows comparative figures on Water Transport over the past 5 years:-

TABLE VI

Water Transport - Comparative Figures

	1954	1955	1956	1957	1958
Mileage	7,187	12,998	10,402	6,700	5,940
Tons transported	11,733.5	25,988	36,975	27,326	25,865
Expenditure	\$65,163.16	\$112,461.19	\$96,198.85	\$97,849.18	\$98,513.41
Revenue Earned	\$27,549.62	\$74,306.22	\$89,163.06	\$104,156.87	\$77,597.11
Cost per Ton	\$5.53	\$4.33	\$2.06	\$3.58	\$3.81

Stone Crushing Plant

117. A new Stone Crushing Plant was erected at Makouria on the Essequibo River, and crushing at this plant commenced on the 15th October 1958. Crushing at the old plant at Ruinveldt was discontinued and the site has since been used for stock piling crushed stone.

118. The total amount of boulders crushed during the year was 18,062.57 tons and of this amount 5,356 tons were crushed at Makouria.

119. Appendix XXVII gives the financial statement of the Crushing Plant for the year ending 31st December, 1958. Also indicated is the extent of the activities of the plant during the year.

SPECIAL INVESTIGATIONS, ETC.

120. No special investigations were carried out during the year. However, the laboratory carried out a number of routine tests and investigations which were used in the design and construction of building foundations and road construction.

121. In addition to this work, tests were carried out on concrete using various types of sand, and mix designs. These tests proved very successful, and it was possible by using approved mixes, and adopting certain controls to obtain a concrete of very good strength and regular consistency. This feature has made a definite impact on better standards and more economical designs.

TECHNICAL ASSISTANCE

122. Under an agreement with the International Co-operation Administration of the United States of America, and an inter-departmental agreement between the above administration and the United States Bureau of Public Roads, a road adviser continued to give technical assistance to the department.

123. The firm of Consulting Engineers employed by Government also continued their investigations on the East Coast Main Road.

124. An experimental stretch of road approximately $\frac{1}{4}$ mile long was in progress at the end of the year, under the supervision of the Consulting Engineers.

CONCLUSION

125. The Public Works Department, in its constant endeavour for better standards of work, more productivity and higher general efficiency, by introducing new techniques, better research and investigation facilities, and improved systems and methods of control, is faced with the perpetual problem of inadequate trained staff. Training by induction and delegation has had limited success, and it is becoming more and more evident that proper training schemes with opportunities to larger numbers are absolutely vital to supply the needs of the department with suitably trained staff. There is a crying need in the department for a grade of sub-professional staff to fill the gap between overseers and engineers, but this gap cannot be filled by promotion of existing staff to achieve its purpose. The gap must be filled by persons who have received the necessary technical training appropriate to the grade. It is hoped that in the near future more training facilities will be made available to persons, so that the needs of trained personnel in departments may be satisfied.

126. Once again, I should like to take this opportunity to record my appreciation of the support and co-operation given me during the year by the members of the staff, other Government Departments, and other bodies who have assisted the department in its work particularly the District Commissioners of the Interior who have acted as my deputies and supervised the work of the department in certain Interior areas.

I have the honour to be,

Sir,

Your obedient servant,

Director of Public Works.

APPENDIX I

Expenditure during 1958 under the various
Sub-Heads was as follows:-

Miscellaneous

Workmen's Compensation	₹ 5,286.09	
Purchase of Safes	10,573.00	
Purchase of typewriters, adding machines etc.	14,423.77	
Central Stationery Store	<u>82,483.83</u>	\$112,766.69

Miscellaneous (a) Subventions, etc:Municipal - Georgetown

Rates on Government Properties	193,585.02	
Water supply to Public Institutions	9,688.60	
Operating and maintenance of Sewerage service outside Northern boundary of Georgetown	3,475.50	
Contributions towards maintenance of Roads and Streets	55,000.00	

New Amsterdam

Rates on Government Properties	44,264.07	
Water supply to Public Institutions	3,428.00	
Subvention towards maintenance of roads and streets	<u>20,000.00</u>	329,441.19

Miscellaneous - SubventionsOther than Municipal:

Board of Trustees, Georgetown Cultural Centre	510.37	
Works for Other Departments	<u>234,738.01</u>	235,248.38

Public Works Department

Personal Emoluments	854,017.92	
Other Charges	165,296.53	
Extraordinary expenditure	<u>13,731.67</u>	1,033,046.12

Public Works Annually Recurrent:

Maintenance and reconditioning of Buildings	655,238.51	
Lighting Sea Wall, Camp Road & Vlissengen Road	3,445.04	
Artesian Wells and distribution lines	<u>40,895.19</u>	
Carried Forward	699,578.74	1,710,502.38

Brought Forward

\$699,578.74

\$1,710,502.38

Public Works Annually Recurrent (Cont'd.)

Burial grounds	1,030.10	
Furniture	17,738.96	
Historic sites, ancient buildings and landmarks	227.49	
Plants, tools, carts, etc.	12,606.48	
Rifle Ranges	720.57	
Water transport suspense account	20,916.30	
Maintenance of compounds and paths	69,547.93	
Maintenance of trenches, Government lands, Georgetown	3,294.93	
Maintenance of Drainage Outfall, P.W.D. Yard and Electric Pump	2,954.67	
Electric power and lighting of buildings	24,003.62	
Roads	1,454,995.21	
Rivers, creeks, Interior trails, etc.	89,121.38	
Unallocated Stores	145,844.43	
Workshop suspense account	2,734.24	
Lorry Establishment	26,487.05	
Atkinson Field - maintenance of Stone Crushing Plant, Ruimveldt	178,041.07	
Maintenance of River Defences, West Bank Demerara	9,187.39 Cr.	
Maintenance of River Defences, Mahaica-Helena and Supply Villages	10,917.66	
Maintenance of River Defences, Berbice	9,692.49	
Maintenance of River Defences, Craig	4,982.45	
Sea Defences - Maintenance and minor works	383.00	
Sea Defences - New construction and Replacement works	242,803.23	
Maintenance of sluices, West Coast Berbice	167,604.65	
Maintenance and operation of overhead tanks, Government Quarters	1,943.25	
Maintenance of Interior Airfields	2,707.47	
Maintenance and operation, Roads Laboratory	19,789.03	
	<u>1,912.82</u>	3,203,391.83

Public Works Non-Recurrent

Buildings	283,683.28	
Roads and Bridges	-	
General Works	<u>779,846.35</u>	<u>1,063,529.63</u>

Carried Forward

5,977,423.84

Brought Forward... \$5,977,423.84

Colonial Emergency Measures:

Emergency Expenses 32,518.84

Foreign Creditors:

72.71

Development Works:

Stone Crushing Plant	\$142,216.04	
East Coast Demerara Main Road	789,303.37	
East Bank Demerara Road	391,522.68	
East Canje Road	2,425.57 Cr.	
Reconstruction of Berbice Road	7,173.34	
X Parika - Bartica Road	20,364.94	
X Bartica - Potaro Road	48,425.92	
Potaro - Lethem Road	182,857.12	
Sea and River Defences	685,830.73	
New Public Buildings	98,705.13	
Housing for Public Officers	128,088.15	
Rural Water Supply, Artesian Wells	226,504.16	
Road making Plant	130,694.94	
Extension of P.W.D. Workshops	60,790.79	
Water Supply, Hague Backlands	6,007.54	
Works for Other Departments	<u>815,451.34</u>	3,731,510.62
<u>Advances:</u>		
General, etc.		350,918.04
Works for Other Departments		37,871.97
Works for Private Parties		<u>6,756.57</u>
Total		<u><u>10,137,072.59</u></u>

APPENDIX IIA

PUBLIC WORKS NON RECURRENT

1 - Buildings
1958

Atkinson Field:

Minor Works and Improvements \$ 2,995.34

Analyst:

Georgetown

Fire Protection and other improvements 5,005.71

Drainage and Irrigation:

Georgetown

Construction of Office \$ 45.00

West Demerara

Construction of Office, Vreed-en-Hoop 187.55

East Demerara

Construction of Office, Paradise 11,009.21

Construction of fuel Bond, Paradise 1,381.84 12,623.60

Education Department:

Georgetown

Conversion of Museum into Science Room,
Queen's College 2,022.20

Fire precautionary measures - extension
of road around the building, widening
bend on road, etc., Queen's College 3,079.66

Minor works and improvements 3,110.80 8,212.66

Fire Protection:

Georgetown

Fire Protection, Public Hospital Georgetown 4,207.54

Installation of Fire Alarm System, P.H.G. 899.80

Berbice

Installation of Fire Alarm System, P.E.B. 1,146.55

Installation of Fire Alarm System, M.H.B. 87.00 Cr. 6,166.89

Inland Revenue:

Georgetown

Minor Works and Improvements 3,077.07

Carried Forward 38,081.27

Brought Forward

\$ 38,081.27

Labour:BerbiceQuarters and office, Labour Department,
New Amsterdam

865.08

Local Government:GeorgetownAccommodation for Local Government
Department, Lot 6 Brickdam

6,392.31

Medical:Georgetown

Minor Works and Improvements

\$ 6,723.65

Internal reconstruction of X-Ray Department,
Georgetown Hospital

531.24

Berbice

Reconditioning Mental Hospital Berbice

17,811.40

Construction of new concrete kitchen,
etc. Berbice Hospital

11,405.07

Erection of Mortuary, Berbice Hospital

1,176.68

Extension of Laboratory, inclusive of
fittings, Public Hospital Berbice

1,822.71

Reconditioning Public Hospital, New Amsterdam

19,947.44

West Demerara

Minor Works and Improvements

90.15

Pure Water Supply

Water supply, Best Hospital

20,997.52

Interior

Minor Works and Improvements

2,200.62

East Demerara

Reconditioning Mahaica Hospital

15,467.19

Construction of Annexes and installing
additional equipment for new kitchen,
Mahaica Hospital2,985.24

101,158.91

Prisons:Georgetown

Renovating old Prison Block, Georgetown

7,639.65

Carried Forward

7,639.65

146,497.57

Brought Forward \$7,639.65 \$146,497.57

Prisons (cont'd.)

Interior

Construction of Camp, H.M.P.S.	1,948.41	
Installing of 16 lights in Young Offenders Camp, H.M.P.S.	36.94	
Provision of 3 metal fire escapes for Georgetown Prison and H.M.P.S.	<u>251.46</u>	9,876.46

Post Office:

Georgetown

Minor Works and Improvements	969.91	
Resiting of Soesdyke Postal Agency	3,871.67	

Berbice

Minor Works and Improvements	1,305.27	
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Essequibo

Minor Works and Improvements	471.08	
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Interior

Minor Works and Improvements	55.92	
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East Demerara

New Post Office, Enmore	4,103.32	
Minor Works and Improvements	175.00	
Extension to Post Office, Mahaica	1,843.76	

West Demerara

Extension to Leonora Post Office	<u>4,994.29</u>	17,790.22
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Police:

Georgetown

Additional accommodation for Police	3,759.94	
Accommodation for Police Department at Eve Leary and Balaclava Compound	1,366.94	
Minor Works and Improvements	4,978.95	

Berbice

Lighting Police Station, Albion	511.43	
Minor Works and Improvements	1,166.55	

East Demerara

Minor Works and Improvements	<u>62.80</u>	
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Carried Forward	11,846.67	<u>174,164.25</u>
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Brought Forward	\$11,846.61	\$174,164.25
<u>Police. (Cont'd.)</u>		
<u>Interior</u>		
Minor Works and Improvements	1,262.34	
<u>Essequibo</u>		
Minor Works and Improvements	72.77	
<u>Atkinson Field</u>		
Minor Works and Improvements	<u>780.00</u>	13,961.72
<u>Public Works:</u>		
<u>Georgetown</u>		
Extension to Public Works Department Head Office	1,530.57	
Conversion of Blocks B & C, Balaclava Barracks into six married quarters	12,665.21	
Minor Works and Improvements - Quarters for Public Officers	9,088.88	
Minor Works and Improvements - Other Government Properties	16,853.69	
New Post Office, Wismar	3,516.39	
Conversion of Fort Cottage into offices for Roads Division, provision of garage and office equipment	4,906.62	
<u>Berbice</u>		
Minor Works and Improvements - Quarters for Public Officers	248.00	
Minor Works and Improvements - Other Government Properties	794.62	
<u>Atkinson Field:</u>		
Atkinson Field - taxiways reconstruction	7,839.66	
Control Tower - renovation and construction of offices	7,673.71	
Repairs to Atkinson Stelling	18,379.98	
<u>West Demerara</u>		
Minor Works and Improvements - Other Government Properties	25.81	
Minor Works and Improvements - Quarters for Public Officers	162.51	
<u>Rupununi</u>		
Minor Works and Improvements - Other Government property	599.92	
<u>Interior</u>		
Minor Works and Improvements - Quarters for Public Officers	<u>3,235.06</u>	
Carried Forward	<u>87,520.63</u>	<u>188,125.97</u>

Brought Forward \$ 87,520.63 \$188,125.97

Public Works (Cont'd.)

Interior (Cont'd.)

Minor Works and Improvements -
Other Government Properties 2,234.76

Essequibo

Minor Works and Improvements -
Quarters for Public Officers 512.66 90,268.05

Registration Births and Deaths

Georgetown

Provision of a dark room for microphotographer 3,363.81

Social Assistance:

Georgetown

Block 'A' Palms - Construction of new
R.C. Sanitary Block 1,925.45

Total 283,683.28

APPENDIX IIBS U M M A R YPUBLIC WORKS NON - RECURRENT1 - Buildings, 1958

Atkinson Field	\$ 2,995.34
Analyst	5,005.71
Drainage and Irrigation Department	12,623.60
Education Department	8,212.66
Fire Protection	6,166.89
Inland Revenue Department	3,077.07
Labour Department	865.08
Local Government Department	6,392.31
Medical Department	101,158.91
Prisons Department	9,876.46
Post Office Department	17,790.22
Police Department	13,961.72
Public Works Department	90,268.05
Registration, Births and Deaths	3,363.81
Social Assistance Department	<u>1,925.45</u>
Total	<u><u>283,683.28</u></u>

APPENDIX IIC

PUBLIC WORKS NON RECURRENT

2 - GENERAL WORKS

Head Office:

Purchase of equipment for Materials Laboratory, Roads Divison, F.W.D.	\$ 788.97	
Purchase of 14 lorries for replacement, P.W.D. Fleet	<u>79,579.26</u>	\$ 80,368.23

Georgetown:

Conversion of Court IV and Chambers, Wharton Buildings, into two courts and Chambers	878.86	
Furniture for Government Offices	27,972.17	
Furniture for Government Quarters	<u>24,072.08</u>	52,923.11

Pure Water Supply:

Water Supply, Lethem		1,951.81
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Atkinson Field:

Security Measures, Atkinson Field		9,310.21
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Rupununi:

Furniture for Government Offices		129.16
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Essequibo:

Repairs to Sandcrete Wall, Aurora		559.20
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East Demerara:

Sea Defence Works, Strathspey		624,817.50
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Berbice:

Reconditioning Springlands Stelling		1,999.97
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Unallocated:

		<u>7,787.16</u>
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Total		<u><u>779,846.35</u></u>
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APPENDIX IID

PUBLIC WORKS NON RECURRENT

Recapitulation

1	-	Buildings	...	\$ 283,683.28
2	-	General Works	...	779,846.35
		Total		<u>1,063,529.63</u>

APPENDIX III

XIII - PUBLIC WORKS DEVELOPMENT

7 - Sea and River Defences

Georgetown:

Anti-erosion measures, Wismar/Christianburg		\$36,185.77
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East Coast Demerara and
West Coast Berbice:

Works, West Coast Berbice	\$118,027.05	
Works, Mahaica/Mahaicony	30,939.16	
Reconditioning groynes, Kitty-Mahaica River	8,746.98	
Sluice at Ithaca - South Zorg-en-Hoop, West Bank Berbice	1,375.96	159,089.15

West Coast Demerara:

Casing Uitvlugt paal-off	17,548.36	
Works, Greenwich Park/Parika	19,992.39	
Recasing concrete walls	73,732.34	
Raise wave screen, DeWillem/Zeeburg	18,815.85	130,088.94

Berbice:

Works, Grand Canal to Industry	17,029.32	
Wall from No. 78 Koker	9,014.99	
Raise wave screen, Springlands Sluice to Stelling	4,767.32	
New Dam, Skeldon - Nos. 2 and 3	1,500.00	
R.C. Wall, Stanleytown/Islington	22,270.08	
Reconditioning sea dam, Industry to Borlam	9,008.53	63,590.24

Essequibo:

Sandcrete Walls, Essequibo	29,730.14	
Boulder Groynes, Essequibo	24,625.13	
McNabb to Somerset/Berks	84,989.48	
Construct coping, Little Alliance	8,523.45	
Sandcrete Walls, Wakenaam	23,802.59	
Sea Wall, Zeelandia	39,523.03	
Sandcrete Walls, Leguan	20,649.67	
Sea Dam, McKinnon's	2,600.00	
Boulder Groynes, Wakenaam	16,893.81	
Carried Forward	251,337.30	388,954.10

- 2 -

Brought Forward	\$251,337.30	\$388,954.10
<u>Essequibo (Cont'd.)</u>		
Boulder Groynes, Leguan	15,321.28	
Construct earth dam, Queenstown	3,066.29	
Raise coping, Anna Regina	<u>27,151.76</u>	<u>296,876.63</u>
		<u>685,830.73</u>

RECAPITULATIONXIII - Public Works DevelopmentSea and River Defences

Georgetown	\$ 36,185.77
East Coast Demerara and West Coast Berbice	159,089.15
West Coast Demerara	130,088.94
Berbice	63,590.24
Essequibo	<u>296,876.63</u>
Total	<u>685,830.73</u>

APPENDIX IV

42 - PUBLIC WORKS DEPARTMENT

Sub-Head	Head-qs. & Roads Division	Berbice	East Demerara	Georgetown and East Bank Dem.	West Demerara	Essequibo	C. of I.	M.S.I.	Atkinson Field	Total
1 - Personal Emoluments	854,017.92									854,017.92
2(a) Travelling allowances	37,832.58	10,845.46	10,336.75	4,882.31	9,844.34	9,328.12	1,006.29	455.79	2,474.74	87,006.38
(b) Subsistence allowances	10,982.37	120.52	66.88	61.32	28.26	413.80	297.18	322.94	60.74	12,354.01
(c) Field allowances					60.00	384.00	900.73	3,039.97		4,384.70
3 - Upkeep of motor cars and station waggon	4,383.48									4,383.48
4 - Materials and instruments Drawing and surveying	12,816.41									12,816.41
5 - Miscellaneous expenses Government House, New Amsterdam, and Juror's Quarters, Suddie	-	1,342.92	-	-	-	493.29	-	-		1,836.21
6 - Miscellaneous	8,558.07	154.62	122.03	445.85	136.99	167.48	.14	94.70	-	9,679.88
7 - Wages of Trainees, Technical Institute	617.52									617.52
8 - Registers, Accounting forms and servicing machines	1,549.21									1,549.21
9 - Periodicals & publications	1,308.59	48.00	36.00	18.00	24.00	24.00	-	58.79	48.00	1,565.38
10 - Repairs to typewriters etc.	1,037.57	-								1,037.57
11 - Hydrographic Surveys	13,747.80									13,747.80
12 - Engineering Surveys	11,995.28									11,995.28
13 - Land and Water Transport							2,322.70			2,322.70
14 - Purchase of motor vehicles	3,637.56									3,637.56
15 - Purchase of equipment	6,754.42									6,754.42
16 - New Hull for Tug	-							3,339.69		3,339.69
Total	969,238.78	12,511.52	10,561.66	5,407.48	10,093.59	10,810.69	4,527.04	7,311.88	2,583.48	1,033,046.12

APPENDIX V

42 A - PUBLIC WORKS ANNUALLY RECURRENT

Sub-Head	Head-Quarters	Berbice	East Demerara	Georgetown and East Bank Dem.	West Demerara	Essequibo	C. of I.	M.S.I.	Total
1 - Maintenance and reconditioning of buildings		91,724.86	59,028.39	271,023.99	69,868.75	85,376.93	18,629.48	59,586.11	655,238.51
2 - Lighting Sea Wall, Camp Road etc.				3,445.04					3,445.04
3 - Artesian wells and distribution lines	40,895.19								40,895.19
4 - Burial grounds		30.00	20.00	275.55		230.00	444.81	29.74	1,030.10
5 - Furniture		2,123.22	1,511.71	7,883.75	1,984.63	1,438.16	1,170.42	1,627.07	17,738.96
6 - Historic Sites						48.62		178.87	227.49
7 - Plant, tools and carts	12,606.48								12,606.48
8 - Rifle Ranges		60.81		659.76					720.57
9 - Water transport	20,916.30								20,916.30
10 - Maintenance of compounds & paths	1,299.17	11,017.60	7,231.33	19,080.94	8,339.45	13,140.10	2,560.50	6,878.84	69,547.93
11 - Maintenance of trenches				3,294.93					3,294.93
12 - Maintenance of Drainage Outfall, P.W. D. Yard	2,954.67								2,954.67
13 - Electric power and lighting of buildings	2,640.10	2,457.49		18,906.03					24,003.62
14 - Roads	14,249.09	288,006.85	388,401.85	101,045.62	230,825.33	251,790.26	23,122.92	157,553.29	1,454,995.21
15 - Rivers, Creeks, Interior trails etc.	7,995.16	8,207.43	4,001.72	1,195.28	1,037.32	1,918.71	53,749.46	11,016.30	89,121.38
16 - Unallocated Stores	145,844.43								145,844.43
17 - Workshop Suspense Account	2,734.24								2,734.24
18 - Lorry Establishment	143,055.64	30,412.19	52,006.07	29,681.62	40,262.98	16,768.83	411.00		26,487.05
Carried Forward	109,079.19	434,040.45	512,201.07	456,492.51	352,318.46	370,711.61	100,088.59	236,870.22	2,571,802.10

Sub-Head	Head- Quarters	Berbice	East Demerara	Georgetown and East Bank Dem.	West Demerara	Essequibo	C. of I.	M.S.I.	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Brought Forward	109,079.19	434,040.45	512,201.07	456,492.51	352,318.46	370,711.61	100,088.59	236,870.22	2,571,802.10
19 - Atkinson Field - maintenance of	178,041.07								178,041.07
20 - Stone Crushing Plant Ruimveldt	9,187.39Cr.								9,187.39Cr.
21 - Maintenance - River Defences, West Bank Demerara					10,917.66				10,917.66
22 - Maintenance - River Defences, Mahaica, Helena & Supply			9,692.49						9,692.49
23 - Maintenance of River Defences, Berbice		4,982.45							4,982.45
24 - Maintenance of River Defences, Craig				383.00					383.00
25 - Sea Defences - Maintenance and Minor Works	20,300.37	34,798.58	74,133.68	2,974.76	30,581.14	80,014.70			242,803.23
26 - Sea Defences - New construction and replacement works	8,869.15	40,460.35	11,998.48		35,913.69	70,362.98			167,604.65
27 - Maintenance of Sluices, W.C.B.			1,943.25						1,943.25
28 - Maintenance and operation of overhead tanks, P.W.S.	1,579.61		1,127.86						2,707.47
29 - (New) Maintenance of Interior Airfields	9,812.90						8,939.55	1,036.58	19,789.03
30 - Maintenance and operation - Roads Laboratory	1,912.82								1,912.82
Total	320,407.72	514,281.83	611,096.83	459,850.27	429,730.95	521,089.29	109,028.14	237,906.80	3,203,391.83

APPENDIX VI

52 - PUBLIC WORKS NON RECURRENT

Sub-Head	Head-Quarters	Berbice	East Demerara	Georgetown and East Bank	West Demerara	Essequibo	C. of I.	M.S.I.	Atkinson Field	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1 - Buildings	20,997.52	58,113.80	37,028.36	111,532.66	5,460.31	1,056.51	599.92	11,225.51	37,668.69	283,683.28
2 - General Works	90,107.20	1,999.97	624,817.50	52,923.11	-	559.20	129.16	-	9,310.21	779,846.35
Total	111,104.72	60,113.77	661,845.86	164,455.77	5,460.31	1,615.71	729.08	11,225.51	46,978.90	1,063,529.63

XIII - PUBLIC WORKS DEVELOPMENT

Sub-Head	Head- Quarters	Berbice	East Demerara	Georgetown and East Bank Dem.	West Demerara	Essequibo	M.S.I.	C. of I.	Education Department	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1 - Stone Crushing Plant	142,216.04									142,216.04
2 - East Coast Demerara Main Road	722,302.51		62,366.66	4,634.20						789,303.37
3 - East Bank Demerara Road				391,522.68						391,522.68
4 - Parika-Bartica Road	20,364.94									20,364.94
5 - Bartica-Potaro Road							48,425.92			48,425.92
6 - Potaro-Lethem Road	182,857.12									182,857.12
7 - Reconstruction of Berbice Road		7,173.34								7,173.34
8 - Sea & River Defences		63,590.24	159,089.15	36,185.77	130,088.94	296,876.63				685,830.73
9 - New Public Buildings		54,850.93	3,439.87	28,784.81	1,513.15	9,804.59		311.78		98,705.13
10 - Housing for Public Officers	8,889.22	31,221.63	15,055.94	28,703.72	-	15,181.34	17,510.53	11,525.77		128,088.15
11 - Rural water supply, Artesian Wells				226,504.16						226,504.16
East Canje Road		2,425.57Cr.								2,425.57Cr.
Road making plant	130,694.94									130,694.94
Extension to P.W.D. Workshop	60,790.79									60,790.79
Water supply, Hague backlands	6,007.54									6,007.54
Total	1,274,123.10	154,410.57	239,951.62	716,335.34	131,602.09	321,862.56	65,936.45	11,837.55		2,916,059.28

APPENDIX VIII

PUBLIC WORKS DEPARTMENT NON RECURRENT PROGRAMME

Principal Buildings Constructed during 1958

Description of Works	Estimated Cost	Previous Expenditure	Expenditure during year	Actual cost if completed	Remarks
	\$	\$	\$	\$	
<u>Georgetown:</u>					
Construction of Office for Drainage and Irrigation	60,500.00	65,184.89	45.00	65,229.89	
Conversion of Museum into Science Room, Queen's College	2,000.00	-	2,022.70	2,022.70	
Fire Protection - Georgetown Hospital	24,640.00	15,868.41	4,207.54	20,075.95	
Installation of Fire Alarm System, Public Hospital, Georgetown	3,500.00	2,600.00	899.80	3,499.80	
Internal reconstruction, X-Ray Department, Georgetown Hospital	5,000.00	4,387.53	531.24	4,918.82	
Accommodation for Police Department, Eve Leary and Balaclava Compound	16,800.00	14,931.73	1,366.94	16,298.67	
Extension of P.W.D. Head Office	30,000.00	27,565.85	1,530.57	29,096.42	
Renovation of Old Prison Block	45,000.00	37,289.01	7,639.65	44,928.66	
Purchase of Equipment for Materials Laboratory Roads Division	8,500.00	-	788.97	-	
Conversion of Court 4 and Chambers, Wharton Building into 2 Courts and Chambers	1,500.00	-	878.86	-	
Conversion of Fort Cottage into Offices for Roads Division, Provision of Garage and office equipment	9,000.00	3,833.95	4,906.62	8,740.57	
Block 'A' Palms - construction of new R.C. Sanitary Block	22,000.00	19,178.31	1,925.45	21,103.76	
Fire protection and other improvements, Analyst	6,150.00	-	5,005.71	-	
Extension of Local Government Building, Brickdam	8,050.00	7,989.76	6,392.31	14,382.07	
Conversion of Blocks 'B' and 'C' Balaclava barracks into six 3-bedroom married quarters	13,200.00	-	12,665.21	-	
Additional accommodation for Police	6,800.00	-	3,759.94	3,759.94	
Accommodation for Police Department, Eve Leary	16,800.00	14,931.73	1,366.94	16,298.67	

Description of Works	Estimated Cost	Previous Expenditure	Expenditure during year	Actual Cost if completed	Remarks
	₤	₤	₤	₤	
<u>Georgetown (Cont'd.)</u>					
Resiting Soesdyke Postal Agency	4,000.00	-	3,871.67	3,871.67	
Provision of dark room for microphotographer	3,500.00	-	3,363.81	3,363.81	
New Post Office, Wismar	20,000.00	-	3,516.39	-	
<u>West Demerara</u>					
Construction of Drainage and Irrigation Office, Vreed-en-Hoop	2,763.00	1,272.22	187.55	1,459.77	
Water Supply, Best Hospital	27,000.00	5,000.00	20,997.52	25,997.52	
Extension of Post Office, Leonora	5,300.00	-	4,994.29	4,994.29	
<u>East Demerara</u>					
Construction of Drainage and Irrigation Office, Paradise	12,235.00	-	11,009.21	11,009.21	
Construction of fuel bond, Paradise	2,700.00	-	1,381.84	-	
Reconditioning Mahaica Hospital	115,000.00	99,649.04	15,467.19	115,116.23	
Construction of annexes and installing additional equipment for new kitchen, Mahaica Hospital	27,000.00	22,757.29	2,985.24	25,742.53	
New Post Office, Enmore	20,000.00	-	4,103.32	-	
Extension of Post Offices, Mahaica and Beterverwagting	2,800.00	-	1,843.76	-	
<u>Berbice:</u>					
Installation of fire alarm system, Public Hospital Berbice	3,000.00	942.96	1,146.55	-	
Quarters and Office, Labour Department, New Amsterdam	23,000.00	22,624.69	865.08	23,489.77	
Reconditioning Mental Hospital	95,000.00	62,354.50	17,811.40	80,165.90	

Construction of new concrete kitchen and provision of equipment, Berbice Hospital	32,342.00	-	11,405.07	-
Erection of new mortuary, Berbice Hospital	7,898.00	-	1,176.68	-
Extension of new laboratory, inclusive of fittings, Berbice Hospital	3,000.00	2,849.23	1,822.71	4,671.94
Reconditioning Berbice Hospital	60,000.00	18,712.00	19,947.44	38,659.44
Lighting Police Station, Albion	2,800.00	2,452.77	511.43	2,964.20
<u>Interior:</u>				
Provision of metal fire escapes for Georgetown Prison and H.M.P.S.	7,200.00	-	251.46	-
Construction of Camp, H.M.P.S.	108,250.00	107,861.74	1,948.41	109,810.15
Installation of 16 lights in Young Offenders Camp. H.M.P.S.	1,500.00	-	36.94	-
<u>Rupununi:</u>				
Water Supply, Lethem	20,000.00	12,721.83	1,951.81	-
<u>Atkinson Field:</u>				
Taxiways reconstruction	25,000.00	16,770.96	7,839.66	24,610.62
Control Tower - renovation and construction of offices	25,000.00	-	7,673.71	-
Repairs to Atkinson Field Stelling	18,380.00	-	18,379.98	-
Security Measures, Atkinson Field	10,000.00	-	9,310.21	-

APPENDIX IX

PRINCIPAL BUILDINGS CONSTRUCTED UNDER THE
DEVELOPMENT PROGRAMME DURING 1958

Description of Works	Estimated Cost	Previous Expenditure	Expenditure during year	Actual Cost if completed	Remarks
	\$	\$	\$	\$	
<u>Agriculture:</u>					
Milk Pasteurisation Plant	197,000.00	135,855.04	2,396.51	-	
<u>Geological:</u>					
Extension to Geological Department Head Office	21,600.00	-	13,616.88	-	
<u>Health:</u>					
Erection of Central Medical Stores, Pharmaceutical Manufacturing Department and Alcohol Bond	211,000.00	79,221.29	112,191.22	-	
Construction of Cottage Hospital, Leguan	30,000.00	-	4,366.72	-	
Dispensary and Dispenser's Quarters, Essequibo Islands (Supenaam)	21,640.00	20,346.66	1,616.76	21,963.42	
Construction of State Hospital, Wakenaam)	123,000.00	117,666.12	4,592.64	122,258.76	
Construction of State Hospital, Port Mourant)					
Ancillary Buildings and Miscellaneous Items, Port Mourant Hospital	51,710.00	27,947.49	22,873.48	50,820.97	
Erection of Cottage Hospital, Mahaicony	550.00	-	550.00	-	
<u>Post Office:</u>					
Postal Services					
New Post Offices at Queenstown, Anna Regina, Mahaicony and Lethem	26,855.16	-	22,807.84	-	

New Public Buildings:

Rest House and Courtroom, Annai	15,000.00	14,686.64	311.78	14,998.42
Office of Overseer and Foreman and Storeroom (Branch Office) Anna Regina	9,310.48	-	9,804.59	9,804.59
Magistrate's Court and Office, New Amsterdam	68,000.00	2,366.23	48,700.21	-
Income Tax Office, Springlands	5,600.00	3,086.16	2,267.17	5,353.33
Storage of lumber and removal of Mechanical Workshop, Triumph	16,984.00	3,015.81	3,439.87	-
New Laboratory building, Technical Institute	75,000.00	53,200.09	14,746.68	67,946.77
Second Storey above Technical Institute	60,500.00	57,360.31	932.33	58,292.64
Increased accommodation, Avon House	14,800.00	4,066.26	13,105.80	17,172.06
New Office for District Commissioner, Licensing Office, etc. Vreed-en-Hoop	23,000.00	3,123.18	1,513.15	-
Housing for Public Officers	2,020,000.00	1,794,413.84	128,088.15	-

APPENDIX X

STOCK VERIFICATION OF PUBLIC WORKS DEPARTMENT STORES

District Store	File No.	Period of Verification	Value of Shortages	Value of Surpluses	Value of Tools on Loan
<u>Georgetown Area</u>					
P.W.D. Central Store - Unallocated Section	F.A. G/41/53	Dec. 1958 - February 1959	378.59	641.78	
	Allocated Section F.A. G/40/53	do. do.	556.73	8.88	
Mechanical and Yard Stores	F.A. G/20/55	October - November 1958	Nil	Nil	
Pure Water Supply Store	P.W.D. 8791/55	June - July 1958	106.40	196.82	
<u>East Bank Area</u>					
Ruimveldt Stone Crushing Plant	F.A. R/19/53	10th - 21st February 1958	Nil	Nil	
East Bank Road - (a) Ruimveldt Store	Ac: 12/2/9	June - July 1958	177.03	221.59	
	(b) Friendship "	F.A. EB/1/58	27th March 1958	Nil	7.26
	(c) Providence "	F.A. EB/4/58	20/5/58 - 20/6/58	15.53	2.60
	(d) Atkinson Field	P.W.D. 420/56	14th February - 2nd Aug. 1958	7.21	Nil
<u>West Demerara</u>					
Vreed-en-Hoop Store	P.W.D. 4521/56	11/2 - 12/3/58	.86	70.88	
<u>Essequibo - (Coast & Islands)</u>					
(1) Suddie Store	P.W.D. 2416/56	-	49.24	85.30	
(2) Anna Regina Store	F.A. E/38/53	14 - 17/11/58	1.36	18.92	
(3) Leguan Store	F.A. E/9/52	February 1958	5.10	2.07	
(4) Wakenaam Store	F.A. E/10/52	February 1958	171.91	618.81	

Berbice Area

New Amsterdam Store
Springlands Store

P.W.D. 384/57.
P.W.D. 7125/57

April 1958
18th - 25th July 1958

3.13
7.65

4.03
36.65

East Coast Area

Triumph Store
Mahaica Store
Fort Wellington Store

P.W.D. 886/57
P.W.D. 3021/49
P.W.D. 230/57

February - April 1958
6th - 7th May 1958
20/5/58 - 2/6/58

3.90
Nil
2.30

112.53
Nil
Nil

Essequibo (Rivers and Interior)

- (1) Bartica
- (2) 72 Miles Potaro
- (3) Lethem, Rupununi
- (4) Lethem - Potaro Survey
- (5) Mabaruma

F.A. BT/17/56
F.A. MI/16/56
P.W.D. 881/58
P.W.D. 5819/57
P.W.D. 8042/55

17th - 18th November 1958
5th - 15th November 1958
-
September 1958
13th - 21st May 1958

13.20
13.72
-
-
254.90

38.38
9.10
-
-
120.55

\$6.00

APPENDIX XI

AUDIT QUERIES, REPORTS AND INVESTIGATIONS

File No.

BERBICE AREA

- F.A. B/2/58 Irregularities, Berbice district.
- F.A. B/5/58 Loss of $4\frac{1}{2}$ gals. Lubricating oil and jerry can from Sea Defences at Susanah.
- F.A. B3/58 Anonymous allegations against an overseer.
- F.A. B/6/58 Allegations against an overseer.

EAST DEMERARA AREA

- F.A. D/2/58 Short charges on Contractor's accounts.
- F.A. D/3/58 Short shipment of 167 feet Greenheart logs - valued at \$248.53.
- F.A. D/4/58 Short charge of 1,426 lbs. 1" steel rods valued at \$213.90 to a contractor.
- F.A. D/6/58 Short charge of \$1.20 for materials supplied to a contractor.
- F.A. D/7/58 Reported loss of shovels and torch lights, Enmore Breach.
- F.A. D/8/58 Loss of bitumen, East Coast Main Road.
- F.A. D/9/58 Analysis and check of sheet piling, Enmore Breach.
- F.A. D/10/58 Audit query - Lorry Establishment - Purchase of tyres and lubricating oil.
- F.A. D/11/58 Short shipment of quarry cleanings valued at \$59.17.
- F.A. D/12/58 Short charge of \$31.43 on materials supplied to a contractor.
- F.A. D/13/58 Claim by Forestry Department re shipment of 60' B.M. Crabwood boards valued at \$20.40.
- F.A. D/14/58 Purchase and transportation of sand - Enmore Breach.
- F.A. D/15/58 Supply of Boulder, Bladen Hall - Enterprise Sea Defence.
- F.A. D/16/58 Short shipment of greenheart timber valued at \$4.23, by Saw Mills.
- F.A. D/17/58 Short shipment greenheart timber valued at \$15.52.
- F.A. D/18/58 Complaints re irregularities, East Demerara district.
- F.A. D/19/58 Complaints by Earth Burner.

ESSEQUIBO AREA

- F.A. E/1/58 Transportation of boulder by sloops from Marabunta and Palmers Point Quarries.
- F.A. E/2/58 Short charges - material-labour contracts, Essequibo.

<u>File No.</u>	<u>GEORGETOWN AREA</u>
F.A. G/1/58	Minor Audit Query No. 4 of 1957.
F.A. G/5/58	Report of Irregular use of P.W.D. Pay van.
F.A. G/9/58	Short charge of \$50.00 on 50 sheets 4' x 8' Plastic board.
F.A. G/12/58	Removal expenses of an open vote clerk, P.W.D. Central Stores.
F.A. G/16/58	Material-labour contracts - Supply of materials direct from Unallocated Stores, rather than District Allocated Stores.
F.A. G/18/58	Audit Query, Stock Verifier's Travelling.
F.A. G/21/58	Over-payment on contract No. 585/57 - Avon House Extension.
F.A. G/26/58	Loss of greenheart Piles, P.W.D. Workshop, Kingston.
	<u>BARTICA AND INTERIOR</u>
F.A. BPS/1/58	Imprest expenditure, Surveyor's Imprest No. 7, Parika-Bartica Road Survey.
F.A. BT/2/58	Allegations against Chief Clerk, 72 Miles Potaro.
F.A. BT/3/58	Survey of Imprest Cash, 72 Miles Bartica-Potaro.
F.A. BT/4/58	Purchase of equipment, New Stone Crushing Plant, Makouria.
F.A. BT/5/58	Check of electrical tools, Makouria.
	<u>RUIIMVELDT AND EAST BANK AREA</u>
F.A. EB/2/58	Check of greenheart timbers.
F.A. EB/3/58	Check of Lorry Log Books.
F.A. R/1/58	Allegations by checker and clerk against Superintendent.
F.A. R/2/58	Supply of crushed stone - Mayor and Town Council.
F.A. R/3/58	Daily record of ingress and egress of vehicles, Ruimveldt Stone Crushing Plant Compound.
	<u>WEST DEMERARA AREA</u>
F.A. W/1/58	Disposal of unusable stores, Vreed-en-Hoop.
F.A. W/2/58	Surprise check of fuel, Vergenoegen Bond, West Demerara.
F.A. W/3/58	Anonymous letter re crushed stone, West Demerara.
F.A. W/4/58	Analysis of expenditure, Sea Defence Wall, Groinveldt, West Demerara.

APPENDIX XII

WORK DONE BY ARCHITECT'S OFFICE DURING 1958

PROJECTS	SCOPE OF WORKS			
	Sketch Design	Preliminary Drawings	Working Details to contract stage	Approximate cost of job
1. Addition to Bishops' High School	✓	✓	✓	\$ 21,000
2. Conversion of Barracks into flats, Eve Leary	✓	✓	✓	13,000
3. Kitchen, Public Hospital, New Amsterdam	✓	✓	✓	38,000
4. Terminal Building, Atkinson Field	✓	✓	✓	25,000
5. Conversion for Local Government Department	✓	✓	✓	6,000
6. Addition to Customs Department "Avon House"	✓	✓	✓	21,000
7. District Commissioner's Building, West Demerara	✓	✓	✓	42,000
8. Addition to Forestry Department	✓	✓	✓	8,000
9. Offices and Stores for D. & I. Paradise, E.C.D.	✓	✓	✓	12,000
10. Alteration to Registry Office	✓	✓	✓	4,000
11. Mortuary, New Amsterdam	✓	✓	✓	8,000
12. Amendment to Jurors Quarters, Suddie, Essequibo	✓	✓	✓	16,000
13. Central Agricultural Research Laboratories and Office, Mon Repos	✓	✓	✓	220,000
14. Amerindian Depot, Mahaica, E.C.D.	✓	✓	✓	4,000

PROJECTS	SCOPE OF WORKS			
	Sketch Design	Preliminary Drawings	Working Details to contract stage	Approximate cost of job
				\$
15. Doctors' Flats, Resident Surgeon's Quarters, New Amsterdam	✓	✓	✓	16,000
16. Government Recording Studio	✓	✓	✓	48,000
17. Conversion of Barrack into flats, Atkinson Field	✓	✓	✓	16,000
18. Type "B" Quarters	✓	✓	✓	11,500
19. Fire Station, New Amsterdam	✓	✓	✓	90,000
20. Extension to Sub-Registry and New Vault, New Amsterdam	✓	✓	✓	14,000
21. Post Office Building Programme	✓	✓	✓	50,000
22. Administration Building, New Amsterdam	✓	✓	✓	120,000
23. Cottage Hospitals, Leguan, Leonora and Mahaicony	✓	✓	✓	200,000
24. Two Block of Flats for Government Officers	✓	✓	✓	170,000
25. 5 Nos. Type Quarters	✓	✓	✓	40,000
26. Alterations to Bartica Hospital	✓	✓	✓	5,000
27. Red Cross Convalescent Home	✓	✓		5,000
28. Geological Survey New Office	✓	✓	✓	17,000
29. Alterations to Queen's College	✓			30,000

APPENDIX XIII

ROAD	Census Point	Miles from	Carriage-way	No. of vehicles per day			
				1955	1956	1957	1958
<u>Corentyne Road:</u>		<u>N/A</u>					
	Crabwood Creek	51	18'	459	574	589	312
	No. 66 Bridge	40	18'	640	569	635	643
	Canje Bridge	1	18'	1149	1224	1417	1956
<u>East Canje:</u>							
	Rose Hall	--	18'	893	1270	1020	852
	New Forest	--	--	56	60	68	78
<u>West Canje:</u>							
	Lochaber	--	12'	76	87	71	79
<u>East Bank Berbice:</u>							
	Providence	--	12'	270	288	391	433
	Sisters Police Station	--	12'	74	107	109	168
<u>West Coast Berbice:</u>		<u>G/town</u>					
	Fort Wellington	58	18'	278	282	326	437
<u>East Coast Demerara:</u>							
	Mahaicony Main Road	39	18'	445	535	485	487
	Mahaica	29	18'	557	661	497	685
	Buxton (West R.C. Bridge)	12	18'	1411	1406	1576	1745
	Triumph	9	18'	--	--	--	2093
	Bel Air	4	18'	2985	3038	3216	3238
<u>East Bank Demerara:</u>							
	Ruimveldt	1	18'	3334	4189	4983	5089
	Craig	11	14'	363	571	673	561
<u>West Coast Demerara:</u>		<u>Stelling V/Hoop</u>					
	Vreeden-hoop	$\frac{1}{2}$	16'	589	667	897	594
	Uitvlugt (east)	$11\frac{3}{4}$	20'	514	398	648	581
<u>West Bank Demerara:</u>							
	Vreeden-hoop	$\frac{3}{4}$	18'	641	753	1010	956
	Bagotville	3	16'	309	453	461	426
	Stanleytown	7	16'	246	313	333	282
<u>Essequibo Coast:</u>							
	Aurora	--	12'	126	136	244	133
	Onderneeming	--	15'	237	230	323	381
	Anna Regina	--	18'	216	226	643	275
	Charity	--	12'	35	49	206	121
<u>Wakenaam Island:</u>							
	Sans Souci	--	12'	124	238	244	289
	Fredericksburg	--	12'	152	139	161	124
<u>Leguan Island:</u>							
	La Bagatelle	--	12'	87	207	131	226
	Enterprise	--	12'	67	80	101	96
	Louisiana	--	12'	83	95	87	193
				(decrease of .49%)			
						21645	21541

APPENDIX XIV

Maintenance of Runways - Atkinson Field

Aerodrome	No. of Runways	Size of Runway	Maintenance Cost of Runways including Taxiways	Cost per square yard including Taxiways	Work done to approach and Take-off ends (Extension or Runway approaches)	Total cost of maintenance	Remarks
Atkinson Field	No. 1A	Length 2,477 yards Width 83 yards	\$ 15,509.60	5.3 cents	\$ 6,000.00	\$ 15,509.60	Runway A has 405 square yds. of bituminous surface and 2,072 square yards of concrete surface
	No. 2B	Length 1,667 yards Width 50 yards					Runway B has concrete surface throughout its length and width. There are 75,498 square yards of Taxiways. 55,040 square yards concrete and 20,458 square yards bituminous surface.

APPENDIX XV

Water Supply - Atkinson Field

TOWN	Population served	Designed capacity gallons per day	Average daily draw-off (gal.)	Annual Cost				Revenue		
				Interest	Renewals	Operation and Maintenance Cost	Total	Commercial	Domestic	Total
Atkinson Field	700	700,000	187,408	-	-	\$10,259.18	\$10,259.18	\$ 360.00	\$ 1,615.66	\$ 1,975.66

Gravity or Pumped Supply	Type of Pumping	Treatment Aeration
Pumped	Electrical	Aeration and filtration through rapid sand filters

SUPPLY	120.240V Single phase 208 V - 3 phase 4 wire 60 cys.	
Population	1,000	
Installed Capacity	450 K.W.	
Type of Prime Mover (Steam etc.)	Diesel	
Average Daily Consumption	4,134 K.W.H.	
Peak Load	300 K.W.	
Capital Value	-	
Operation Cost (\$)	5,886.24	Renewals
	71,266.50	Operation and Maintenance
	-	Interest
	77,152.74	Total
	Revenue (\$)	6,736.68
568.40		Domestic
17,409.55		Civil Aviation Department
24,714.63		Total

APPENDIX XVII

Maintenance Expenditure - Atkinson Field

Warehouse and Administration	\$ 4,280.12
Security	8,258.51
Sanitary Services	2,094.64
Motor Transportation	10,549.50
Electricity	77,152.74
Water	10,259.18
Sewerage	3,410.62
Refrigeration	3,575.06
Buildings	12,799.52
Roads and Bridges	11,239.95
Compounds	17,943.76
Runways and Taxiways	15,509.60
Furniture	811.41
Miscellaneous	156.46
	<hr/>
Total	\$178,041.07
	<hr/> <hr/>

APPENDIX XVIII

AIRSTRIPS IN THE INTERIOR

Name	Local Position	Runway		Cost per square Yard including taxiways	Cost of Runway maintenance including taxiways	Total cost of maintenance	Remarks, e.g. Surface Conditions	Altitude above Sea Level
		Length Yds.	Width Yds.					
Annai	Left bank Rupununi River	1,067	50				Gravel - very good	350'
Apoteri	Junction of Essequibo and Rupununi Rivers	1,000	50				Gravel - good	300'
Baramita	Left Bank Barama River	1,334	50				Grass and Gravel - good	600'
Imbainadai	Right bank Partang and along Mazaruni River	1,130	50				Grass - fair	2000'
Karanambo	Left bank Rupununi River about 19 miles below Yupukari	1,734	25				Grass - Good	300'
Kato	Right bank Chiung River	1,000	50				Grass - good	300'
Lethem	Right bank Takutu River about 10 miles above Manariwau River	1,667	14				Very good - grass and Gravel	300'
Lumid Pau	Right bank Rupununi River 42 miles above Dadanawa	1,100	20				Grass - good	600'
Mahdia (Potaro)	Right Bank Potaro River about 10 miles south of Garraway Stream	1,667	48				Very good- gravel	550'

Name	Local Position	Runway		Cost per square Yard including taxiways	Cost of Runway maintenance including taxiways	Total cost of maintenance	Remarks, e.g. Surface Conditions	Altitude above Sea Level
		Length Yds.	Width Yds.					
Monkey Mountain	Right bank Echilibar River	934	20				Grass - fair	700'
Orinduik	Right bank Tumong River at its mouth	1,134	50				Grass - good	2,200'
Wichibai	Left bank Rupununi River opposite the mouth of Wichibai River	1,000	50				Grass - good	400'
Konawaruk	Right bank Konawaruk River 9 miles south of Tunatumari	1,167	50				Gravel - good	70'
Good Hope	Left bank Ireng River	1,167	50				Grass - good	350'

APPENDIX XIX

(A) WELLS DRILLED IN 1958

Location	Footage Drilled in 1958	Total Depth to 31.12.58	Average flow Glns. p.d.	Hydrostatic Head		Remarks
				H.T.	L.T.	
Devonshire Castle No. 2	385.25'	385.25'	129,600	10'.0"	8'.5"	Completed
Hague (Back Dam)	573'	573'	---	---	---	In hand
Land of Canaan (Small Private)	558.25'	558.25'	51,840	11'.4"	10'.2"	Completed

(B) WATER ANALYSIS OF ABOVEMENTIONED WELLS

Results in parts per 100,000

Location	Total Solids	Volatile Solids	Fixed Solids	Chlorine (Combined)	Equivalent to Na Cl	Acidity as free CO ₂	Alkalinity as CaCO ₃	Amonia (Albuminoid)	Amonia Free & Saline	Total Iron	Fluorine
Land of Canaan (First Sand Bed 117' - 135')	212.00	63.60	148.40	100.00	164.37	5.50	5.85	0.03	2.20	5.25	0.10
(Final Sand Bed 537' - 558')	6.522	1.40	5.12	.55 (as chlorides)	0.91	Nil	0.60	Nil	0.03	0.52	0.04

APPENDIX XX

Maintenance of Pump Installations

Daily pumped supplies at 17 places averaged as follows:

Location	Average No. hours pumped	Cost per 1000 gal. in cents	Water sup. per head	Gals. per day
1. Crabwood Creek	5	20	9.7	25,000
2. Springlands/No. 78-79	24	--	20.8	116,000
3. No. 74 - 67)				
4. No. 66 - 57)	5	21	12	104,500
5. No. 56 - 52)				
7. Whim - Bloomfield Allness	5	23	8	66,000
8. Port Mourant Hospital	2½	67	60	3,000
9. Rose Hall	7	14	14.2	54,500
10. New Amsterdam Hospital	-	31	68	17,000
11. Mahaica Hospital	3	27	41	20,500
12. Golden Grove - Cove & John	8½	6	18	102,000
13. Agricola	24	7	18.7	144,000
14. Wismar/Christianburg not including new installation which is only supplying new housing scheme at present	6	24	4.8	24,000
15. Best Hospital	15	18	75.7	25,000
16. Stewartville Pump attendant also carry out repairs to dis- tribution system	1	18	88.8	5,000
17. Anna Regina Bush Lot/Reliance	4½	16	18	35,000

NOTE:

Total amount of water pumped daily is 741,500 gallons.

When the systems at La Bagatelle, Onderneeming, Best, Vreed-en-Hoop, Pouderoyen, Bush Lot and Limlair go into operation it is expected that an additional 310,000 gallons per day will be made available which can be increased considerably by additional pumping.

By comparison at the end of 1953 only 110,000 gallons per day were pumped at 6 installations.

APPENDIX XXIWater Supply Pipelines laid - 1958(A) New PipelinesCorentyne Coast:

Springlands	1.00 miles
Limplair	1.93 "
	<u>2.93 "</u>

West Coast Berbice:

Mon Choisi	.57 miles
Fort Wellington	1.00 "
No. 28/Lovely Lass (extension)	.45 "
Litchfield	.56 "
Seafield	.27 "
	<u>2.85 "</u>

East Coast Demerara:

Novar	1.00 "
Buxton	1.00 "
	<u>2.00 "</u>

West Coast Demerara:

Best	<u>.27 mile</u>
------	-----------------

West Bank Demerara:

Pouderoyen	<u>.70 mile</u>
------------	-----------------

Work for Other Departments:

Springlands Housing Scheme	.27 mile
Mara Land Settlement Scheme	1.14 "
	<u>1.41 "</u>

SUMMARY

Work for Other Departments	1.41 miles
Corentyne Coast	2.93 "
West Coast Berbice	2.85 "
East Coast Demerara	2.00 "
West Coast Demerara	.27 "
West Bank Demerara	.70 "
Private Concern	.21 "
	<u>10.37 "</u>

(B) Pipelines relaid

Springlands - Corentyne	.24 mile
Mon Choisi - West Coast Berbice	.74 "
Fort Wellington - West Coast Berbice	.81 "
Brittania - West Coast Berbice	.25 "
Novar - East Coast Demerara	2.26 miles
Buxton/Friendship, East Coast Demerara	1.58 "
Friendship - East Bank Demerara	.42 "
Crane - West Coast Demerara	.27 "
Anna Catherina - West Coast Demerara	.27 "
	<u>6.84 "</u>

APPENDIX XXII

SEA DEFENCES - DEVELOPMENT PROGRAMME - 1958

Project	Estimate 1958 \$	Actual Expenditure 1958 \$	Remarks
1. Works, West Coast Berbice.	120,000	118,027.05	2 $\frac{3}{4}$ miles of earth dam completed. One double 16' R.C. sluice at Kingelly completed and a double 16' R.C. sluice at Lichfield was 90% completed. Since the beginning of scheme in 1953, 12 R.C. sluices and 7 $\frac{3}{4}$ miles of earth dam have been completed and one R.C. sluice was 90% completed at the end of 1958.
2. Works, Mahaica/Mahaicony	50,000	30,939.16	3 miles of earth dam were completed during the year. Since the beginning of scheme, 1 double 16' R.C. sluice and 5.7 miles of earth dam have been completed.
3. Works, McNaab/Somerset & Berks	105,000	84,989.48	6 miles of earth dam thrown up by dragline, 1 - 16' R.C. sluice 20% completed and 1,307' of new dam protected from erosion by boulder stone grouted with cement mortar. Since the beginning of scheme - 1 - 16' R.C. sluice, 3.7 miles earth dam, 405' sandcrete wall, 600' boulder groynes and 1,307' boulder protection have been completed.
4. Re-casing Concrete Walls	90,000	73,732.34	A total length of 518' of wall was recased and underpinned with steel sheet piling at Zeeburg and Groenveltdt, W.C.D., where the wall was badly cracked and settling.
5. Wall from No. 78 Koker to Springlands Stelling	60,000	9,014.99	Boulder stone transported to site.
6. Sea Wall - Grand Canal to Industry	38,000	17,029.32	Work was stopped at Sussanah and Ordnance Fort Lands, pending review of the scheme. 2.7 miles of earth dam have been completed so far.

7. Raise Wave-screen, DeWillel/ Zeeburg	35,000	18,815.85	336' (55%) of coping completed. Work to continue in 1959.
8. Sea Wall - Zeelandia	47,800	39,523.03	Earth works (1,900') completed and 2 boulder groynes built to encourage accretion in this section. Boulder protection to front slope planned for 1959.
9. Sea Dam - McKinnon's	2,600	2,600.00	Completed - 2,900' of earth dam.
10. Raise Wave-screen, Springlands Sluice to Stelling	5,000	4,767.32	365' raised. Programme completed.
11. Construct Coping, Little Alliance	8,550	8,523.45	583' completed.
12. Construct Earth Dam, Queenstown	7,600	3,066.29	Survey completed.
13. Raise Coping, Anna Regina	59,250	27,151.76	40' completed. Work to continue during 1959.
14. Sandcrete Walls, Essequibo	33,750	29,730.14	711' completed. Work to continue during 1959.
15. Sandcrete Walls, Wakenaam	30,500	23,802.59	486' completed. Work to continue during 1959.
16. Sandcrete Walls, Leguan	15,750	20,649.67	722' completed. Work to continue during 1959.
17. Boulder Groynes, Essequibo Coast	24,750	24,625.13	3,428' completed.
18. Boulder Groynes, Wakenaam	19,500	16,893.81	1,975' completed. Work to continue during 1959.
19. Boulder Groynes, Leguan	15,750	15,321.28	784' completed.
20. Reconditioning Groynes, East Coast Demerara	18,000	8,746.98	Several groynes between Strathspey and Ermore were re-conditioned.
21. Sandcrete face to Haslington Dam	10,000	-	Plan revised.

Project	Estimate 1958 \$	Actual Expenditure 1958 \$	Remarks
22. New Dam - Skeldon Nos. 2 and 3	11,000	1,500.00	Survey completed.
23. Reconditioning Dam - Industry to Borlam	10,000	9,008.53	600' of dam completed. Work to continue during 1959.
24. Casing Uitvlugt Paal-off	35,000	17,548.36	Earth dam behind paal-off completed.
25. Works, Greenwich Park/Parika	20,000	19,992.39	Survey completed. Protective works at Bushy Park extended by 220'. 381' boulder groynes and 281' boulder talus completed.
26. R.C. Wall, Goed Fortuin	15,000	-	Not required.
27. Anti-erosion measures, Wismar/ Christianburg	40,042.36	36,185.77	974' of greenheart revetment completed. Work will continue during 1959.
28. R.C. Wall - Stanleytown/Islington	78,500	22,270.08	Work started in December. Materials purchased.
29. Sealing koker north Zorg-en-Hoop and clearing Armadale Channel	4,500	1,375.96	Sealing of koker in progress at end of year. Work of clearing channel not started due to unfavourable conditions.

APPENDIX XXIII

Analysis of Purchases and Issues by
P.W.D. Central Stores - 1958

Unallocated Stores:

Value of Stock on hand at 1.1.58		\$ 648,988.57
Purchases through Crown Agents		752,509.90
Purchases through Local Bank Draft		309,158.24
Purchases through Local Firms		156,266.99
Advances through P.W.D. Yard Workshop Account		17,880.43
Advances through other votes for Stores Received		65,296.70
Stores brought to account but not paid for in 1958		41,093.94
		\$1,991,194.77

Issues: 1.1.58 - 31.12.58:

To Public Works Department	\$912,951.15	
To Other Government Departments	255,083.97	\$1,168,035.12
Stores written off under authority of H.F.S. during 1958	1,571.98	
Stores accounted for in 1957 report but paid for in 1958	1,344.22	
Stock Shortage at 31.12.58	3.93	2,920.13
Stock as per Stock Cards		820,239.52
		\$1,991,194.77

Summary of Financial Transactions:

	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>
	\$	\$	\$	\$
Unallocated Stores Purchases	1,385,016.48	1,508,201.22	1,495,824.71	1,301,112.26
Unallocated Stores Issues	1,059,445.79	1,508,858.65	1,430,742.46	1,168,035.12
Direct Purchases to Expenditure including D. & I. Department	1,323,098.83	1,356,816.12	1,141,913.75	986,333.88

Allocated Stores:

Stock valued at \$40,279.34 were on hand at 31.12.58 for the following:-

Torani	\$ 3,712.06
Block 111	15,943.51
Bonasika	31.70
Berbice Main Road	18,542.44
Boerasirie Project	2,049.63
	\$40,279.34

APPENDIX XXIV

Details of Vouchers and Correspondence
Handled by Central Stores

	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>
1. Requisitions Received	22,211	27,203	24,863	73,329
2. Requisitions Filled	22,211	27,190	24,863	73,329
3. Invoices Issued	30,460	30,643	31,200	46,950
4. Vouchers outward	3,630	5,037	4,197	5,195
5. Letters Incoming	623	542	382	397
6. Letters Outgoing	807	789	390	298
7. Number of Issues	178,560	307,045	298,630	309,068

APPENDIX XXV

STATEMENT SHOWING DISTRICT MILEAGE EXPENDITURE: RECEIPT COST PER MILE
OF PUBLIC WORKS DEPARTMENT LORRIES - 1958; HEAD 42A-
P.W. & S.D. A.R. - 18 LORRY ESTABLISHMENT

District	Fleet	Expenditure as per dis- trict returns	Receipts	Surplus	Deficit	Mileage	Cost per mile	Remarks
		\$	\$	\$	\$		\$	
East Demerara	18	52,006.07	49,785.84		2,220.23	127,656	40.74	10 Lorries repaired in central w/shop.
East Bank	12	29,681.62	31,303.74	1,622.12	-	80,266	36.99	9 -do-
Berbice	13	30,412.19	30,944.16	531.97	-	79,344	38.32	2 -do-
West Demerara	11	40,262.98	35,000.56	-	5,262.42	89,745	44.86	4 -do-
Essequibo	11	16,768.83	14,268.15	-	2,500.68	36,594	45.82	2 -do-
Yard	3	8,498.55	7,723.07	-	775.48	-	-	
Head Office Administration	2	16,401.20	1,774.14	-	14,627.06	-	-	
Interior	12	36,740.79	36,740.79	-	-	57,640	63.74	
Pure Water Supply	2	-	-	-	-	-	-	
Rupununi	4	411.00	-	-	411.00	-	-	
North West District	1	-	-	-	-	-	-	1 Lorry in for repairs - Central W/shop
D.E., Georgetown	1	-	-	-	-	-	-	
TOTAL	90	231,183.23	207,540.45	2,154.09	25,796.87	471,245	49.05	28
Less credits not received during 1958								
West Demerara			464.10					
Berbice			2,380.17					
		231,183.23	204,696.18		26,487.05			

TOTAL DEFICIT: \$26,487.05

PUBLIC WORKS DEPARTMENT PLANT AND MACHINERY

Machinery	George- town	Ruin- veldt	East Dem.	East Bank	West Dem.	Essequibo	Berbice	Interior	Central Stores	Makouria	Total
Excavators	-	-	3	3	-	1	3	2	-	2	14
Pumps	-	-	4	7	3	6	3	-	-	3	26
Static Pumps	-	-	-	-	-	1	-	-	-	-	1
Rollers	1	-	2	5	2	1	5	1	-	-	17
Onion Compactor Roller	-	-	1	-	-	-	-	-	-	-	1
Wobbly Wheel Roller	-	-	-	1	-	-	-	1	-	-	2
Sheep Foot Roller	-	-	-	1	1	-	-	-	-	-	2
Vibratory Roller	-	-	-	1	-	-	-	1	-	-	2
Tractors	-	1	3	4	2	3	2	9	-	1	25
Trailers	-	1	5	-	2	3	3	2	-	1	17
Graders	-	-	1	3	1	1	1	1	-	1	8
Scrapers	-	-	-	1	-	-	1	1	-	-	3
Concrete Mixers	1	-	4	4	4	3	3	1	-	1	21
Pile Driving Frames	-	-	-	1	-	-	-	-	-	-	1
Pile Drivers	-	-	3	1	3	1	-	1	-	-	9

Vibermax	-	-	1	-	-	-	-	-	-	-	1
Portable Compressor	-	-	1	-	-	-	-	-	-	-	1
Bitumen Boiler Sprayer	-	-	-	1	-	-	-	-	-	-	1
Worber Tender	-	-	-	1	-	-	-	-	-	-	1
Pressure Distributor	-	-	-	1	-	-	-	-	-	-	1
Phoenix Heater	-	-	-	1	-	-	-	-	-	-	1
Gritting Machine	-	-	-	1	-	-	-	-	-	-	1
Bitumen Mixing Plant	-	-	-	1	-	-	-	-	-	-	1
Laying & Tamping (Barber Greene)	-	-	-	1	-	-	-	-	-	-	1
Warsop Hand Breaker (Portable)	-	-	-	1	-	-	-	-	-	-	1
Barber Greene Lader	-	-	-	-	1	-	-	-	-	-	1
Portable Crusher	-	-	-	-	1	-	-	2	-	-	3
Crushing Plant	-	-	-	-	-	-	-	-	-	1	1
Fork Lift Truck	-	-	-	-	-	-	-	-	1	-	1
Mobile Crane	-	1	-	-	-	-	-	-	-	-	1
Hand Emulsion Sprayer	-	-	-	1	-	-	-	-	-	-	1

APPENDIX XXVII

STONE CRUSHING PLANT - P. W. D.

FINANCIAL STATEMENT FOR THE YEAR ENDING

31st December, 1958

To: Stock on hand at 31.12.57			By: Crushed stone sales - 17,379.17 tons =	173,771.12	
transferred to Unallocated					
Stores and now brought to account			Deduct amount overcharged		
			vide SCP No. 1091/58 & 1134/59		
858.44 tons crushed stone	\$ 9,442.84		and overposted vide SCP 15/58	<u>129.79</u>	173,641.33
1,329.39 tons sifting	<u>3,987.96</u>	\$13,430.80			
To: Boulder purchased: 21,983.53 tons		133,019.16	By: Sifting Sales - 1,436.48 tons =	4,304.04	
To: Fuel and other materials on hand at			Add sifting on hand at 31.12.58		
31.12.57 transferred to Unallocated			transferred to Unallocated Stores		
Stores, now brought to account	5,550.58		552.5 tons	<u>828.75</u>	<u>5,132.79</u>
Add fuel and other materials purchased	12,462.87	18,013.45			178,774.12
To: Labour as under:-			Deduct voucher not brought to		
			account at Head Office SCP NO.473/58	<u>79.50</u>	
Salaries ...	8,838.09				178,694.62
Wages ...	22,967.64		By: Boulders sales -		
Offloading ...	<u>4,952.00</u>	36,757.73	3,999.97 tons =	27,519.88	
			Add boulder on hand at		
			31.12.58 transferred		
			to Unallocated Stores	<u>17.21</u>	<u>95.52</u>
					<u>27,615.40</u>
					206,310.02
				<u>4,017.18</u>	

To: Sundries viz:

Car hire	...	96.68
Cycle allowance	...	30.00
Removal expenses	...	142.29
Subsistence and travelling		64.72
Water Meter Rent	...	<u>20.00</u>
		353.69

By: Sundries viz:-

Loading	...	336.90
Welding	...	71.14
Lighting	...	45.00
East Bank Main Road	...	92.43
9 - Water Transport	...	599.19
Refund	...	19.27
X - Miscellaneous50
Unpaid wages - SCP 1167		<u>9.86</u>
		1,174.29

To: Electric energy

538.40

To: Repairs

1,325.92

To: Transporting crushed stone to Ruimveldt

1,209.00

To: Profit

9,187.39

By: Materials transferred to Unallocated Stores

	\$ 15.07
-do-	<u>6,091.11</u>
	6,106.18

Deduct voucher not brought to account 914/58

15.07 6,091.11

Materials transferred to East Bank Road 3.74
 " " * 17 Workshop Suspense a/c 64.60
 " " " 9 Water Transport 191.78

191.78 6,351.23

\$213,835.54

\$213,835.54