

DEVELOPMENT PROGRAMME

1960 - 1961

PROGRESS REPORT

for the

Half Year ended 31st December, 1960

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GENERAL REVIEW

A. FINANCIAL

Expenditure on Development Projects for the last half year (July - December) of 1960 of the new 1960-1964 Development Programme amounted to \$9.8mn. which together with the expenditure of \$5.9mn. in the first half year brought expenditure for the year to \$15.7mn. Expenditure for the quarter ended 30th September was \$3.1mn. and for the last quarter ended 31st December, \$6.6mn.

Details of expenditure for the year are given in the Appendix to this Report.

Drainage and Irrigation (\$5.0mn.), Public Works (\$3.7mn.), Transport and Harbours (\$1.5mn.), Post Office (\$1.1mn.), Agriculture (\$0.8mn.), Geological Surveys (\$0.6mn.), Housing (\$0.5mn.), Land Development (\$0.1mn.), Health (0.3mn.) and Lands and Mines (\$0.2mn.) accounted for \$14.1mn. of the expenditure of \$15.1mn. for the year 1960.

The table below shows the quarterly rate of expenditure in 1960 with corresponding figures for 1957, 1958 and 1959.

<u>Quarter</u>	<u>1957</u> \$mn.	<u>1958</u> \$mn.	<u>1959</u> \$mn.	<u>1960</u> \$mn.
January/March	2.7	3.1	2.4	2.24
April/June	4.5	5.2	5.2	3.66
July/September	4.3	5.1	5.6	3.14
October/December	6.8	6.5	6.2	6.66*
	<u>18.3</u>	<u>20.9</u>	<u>19.4</u>	<u>15.7 *</u>

Expenditure for 1956 was \$20.5mn.

* Subject to adjustment.

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B. WORK PROGRESS

Agriculture: Development of the coconut industry continued and at the end of the year the establishment of nurseries at Suddie, Essequibo Coast and at Whim, Corentyne Coast was completed. 62,157 seedlings were distributed during the half year as compared with 73,888 in the first half. Maintenance and propagation continued on all cocoa stations and during the half year 25,856 plants were propagated, 20,874 basketed, 8,874 distributed to farmers and there were 19,998 available for distribution.

Satisfactory progress was made at all stations. At Hosororo of the 26½ acres of land cleared an additional 19 acres were planted with cocoa clones. At the end of the year there were over 2,000 orange plants ready for distribution in the citrus nursery. The major development works which remained to be completed at St. Ignatius included the fencing of the Jawari outstation and the construction of a new workshop. The construction of the three type 107 houses was among the works completed. At the end of the year the herd at the station totalled 473. At Ebini the weighbridge was received and should be erected shortly. At the Central Agricultural Station, Mon Repos the extension of water pipes to the Stockfarm was completed and underground electrical wiring for the Compound started. Experiment on planted pastures continued.

All field work on the soil survey of the Tapakuma Area was completed and a start made on the survey of the Port Mourant Backlands. Preparations were in hand for the commencement of the United Nations Soil Survey Project. Work on the Tappa Area continued.

/Fencing....

Fencing was completed at the Fish Culture Station at Onverwagt. During the half year 26,099 fish were introduced from the sea, 306 specimens were fin clipped for growth rate studies, 52 dissections made and some 182 sets of juvenile shrimp and fish samples were collected. Continuous and complete records of all data at the Station were maintained.

Civil Aviation: Work on the clearing of bush in preparation for the preliminary survey for the construction of the airstrip in the Kaletour Area was started.

Drainage and Irrigation: Steady progress was made on all works in the Black Bush Polder Area despite heavy rainfall during the half year and a two-day strike in December. At the end of the year the construction of bridges was completed at Lesbeholden and Mibikuri and stabilisation of Inter-settlement roads were completed in the Mibikuri/Joanna Area to the centre of Joanna and 3,000 feet in the Yakusari Area. Minor works continued.

Work on the Boerasirie Project was almost completed. The Minor Drainage Works Programme in the East Demerara area progressed satisfactorily. The new panel at La Jalousie was 90% completed and raising of dams 20%. Earthworks were 90% completed at La Retraite. In Berbice satisfactory progress was maintained on the excavation of the east and west side lines at Rosehall and on similar work at Fyrish. Work on the Manchester East Trench was almost completed.

Topographic surveys of the Mahaica/Berbice Area were completed to the Mahaicony River. The survey of the Canje River continued. The stage and rainfall recorders continued to be operated and maintained in the Mahaica, Mahaicony, Abary and Canje Rivers. It is proposed to establish similar stations at Torani and Mara.

Education: At the end of the year three schools were completed in Demerara viz. Craig, Lodge and the extension of Ermore Government, and two in Berbice viz. St. Patrick's, Canje and Fyrish Congregational. The schools at Good Hope, East Bank Essequibo and Resource and Commons No. 2 Canal, West Coast, Berbice were 90% completed and one at Fort Ordance 50% completed. Furniture was supplied to twenty-nine schools.

The prefabricated frames for the secondary school to be erected at Anna Regina were ordered. The construction of domestic and handicraft centres continued, and at the end of the year one was completed, three over 80% completed and contracts awarded for four.

Industry and Credits: Loans made and repayments received by the Credit Corporation during the half-year totalled \$1,630,884 and \$1,378,914 respectively.

Geological Surveys: All field expeditions returned to Georgetown early December after about four to five months in the Interior. The Geologists who went into the Pakaraima Mountains collected additional samples of aluminium laterites for chemical analysis and a great deal of valuable regional geological mapping, which was aided by aerial photographs, was also carried out. A fairly accurate picture of the distribution of the basic igneous rocks and erosion surfaces on which these deposits occur will soon be available.

Health: The Cottage Hospital at Leguan was completed and those at Leonora and Mahaicony were 70% and 90% completed respectively. Construction of health centres progressed satisfactorily and at the end of the year five were completed in Demerara, six in Berbice and four in Essequibo. Five mortuaries were completed and work on the Doctor's quarters at Mahaicony was in progress.

Lands and Mines: Due to unfavourable weather conditions during the half year only 6,836 square miles of territory were photographed.

Land Development: In the northern section of the Lesbeholden Area eight hundred and thirteen acres of bush were cleared and sixty-three farmers were allocated holdings of approximately $17\frac{1}{2}$ acres each. In the Essequibo a total of two hundred and thirty-nine acres of additional land were cleared for rice at Reliance and eighty-nine at Bush Lot. At Vergenoegen one hundred and ninety-three rods of the Barnwell Drainage Canal were excavated and nine hundred and thirty-two rods of the

New Greenwich Park Irrigation Canal and eight hundred and sixteen rods of the New Barnwell Drainage Canal were cleared.

At Mara work on the laying out of drains was started and some four hundred rods of roadway were metalled. At Garden of Eden sixty-four acres of land were cleared and thirty one acres planted by the settlers.

Post Office: The Exchange Building at Mahaicony was completed while doors and windows are to be fitted and painting done to the one at Anna Regina. Installation of automatic exchange equipment was completed at Skeldon and started at Mon Repos. All radio installations were almost completed.

Public Works: Reconstruction of the East Bank Road continued and at the end of the year approximately five miles of road were sand-asphalted. Surveys of the Parika/Makouria and Potaro/Lethem Roads were completed.

In the Sea and River Defence Programme 18,600 feet of earth embankment, 6,570 feet of boulder and reinforced concrete walls, 4,430 feet of reinforced concrete wave screens, and 5,920 feet of boulder groynes were completed and 4,150 feet of existing earth embankment were reconditioned and strengthened. The emergency work started at Buxton and Vigilance in 1959 was completed and the entire sea defence in the area reconstructed. The Dutch Consulting Engineers (DELFT) commenced investigation of the Georgetown Bar.

Four overhead tanks and pumping installations were completed, 158 stand pipes put down in various parts of the Colony while 7.27 miles of old pipe lines were relaid.

Transport and Harbours: The reconstruction and extension of the Georgetown and Vreed-en-Hoop Ferry Terminals continued. Improvement works were carried out at Morawhanna Stelling. The installation of the new engine for the M.V. "Barima" was completed and the vessel put into service.

Work on Bridge No. 75 on the East Coast Railway was completed and work started on Bridge No. 53 on the West Coast Railway. Rehabilitation of tracks was completed on both railways.

Miscellaneous: The construction of the Government Recording Studio at D'Urban Park was completed.

Rural Self Help: At the end of the half year 34 schemes estimated to cost \$86,037.79 and involving Government grant of \$65,673.76 had been approved.

Amerindian Development: In the Kumaka/Quebana area the road was cleared to the 16 mile pole and in the Rupununi work on the road between Aishalton and Klarandarnan was in progress. Approximately 93 acres of land were cleared and seven acres put under cultivation in the Paruima Valley.

In the Moruca Area courses were held in dressmaking, boat building and cooking. The Rest Shelter at Anna Regina was completed and the Officer's house at Crealla almost completed.

I. AGRICULTURE1. STAFF TRAINING:

At the end of the year there were fourteen students in training at the Eastern Caribbean Farm Institute. Seven of them are on the 1959-1961 course and the others on the 1960-1962 course. Included in the latter is one Prison Officer who is being trained for service with the Prison Department.

2. STATIONS:

2. Central Agricultural Station - The extension of water pipes to the Stockfarm was completed, and the underground electrical wiring for the Compound started. Arrangements were also in hand for extending electricity to the Stockfarm, a distance of some two miles.

Two new pens, one of them an Arcon building and the other a wooden structure were almost completed. This additional space is required for the new calves which are due to arrive from the United States as well as for the animals of the Dairy Expansion Scheme.

The erection of the new laboratory is expected to commence early in 1961.

Three new No. 35 Ferguson tractors were received on the Station.

3. Hosororo Experiment Station -

Cocoa: Planting was carried out in the 26½ acres of forest land cleared during the first half year. At the end of the year 19 acres were planted, six of which were limed and the remainder treated with "12-9-6" fertiliser at 4oz. per plant. Immortelle was planted as shade in the 13 acre section and Gliricidia, Red Cedar and Imortelle in the six acre section as shade trial. The 5 acre plot which was planted in 1958 under planted shade was maintained and growth of plants was good. The ¼ acre plot planted in 1958 under natural shade was weeded and limed and fertilised with "12-9-6" fertiliser at ½ lb. per plant. All dead plants were replaced.

Coffee: Corn reaped from the 8 acres of swamp empoldered for coffee yielded 40 bags (180 lbs. net). Interlot drains 2' x 2' were dug at 3 rod intervals. The four varieties of coffee which will be planted when the area is cleared are Liberica, Robusta, Arabica and Blue Mountain coffee.

Citrus: The ten acres of Valencia oranges planted in 1959 and the five acres planted in 1958 were weeded and limed and fertilised with "12-9-6" fertiliser at ½ lb. per plant. The cover crop of Kudzu planted in the 10 acre section and of the Locuntu grass in the 5 acre section were growing well. Seventeen replacements were made. The nursery was extended and now has over 2,000 plants ready for distribution.

Pineapple: Plants were fertilised.

Livestock: Eleven piglets from the Demonstration Unit were distributed to farmers.

Buildings: A square spray bed 39'6" in length for cocoa plants (output about 6,000 plants per month), office and storeroom 15'x20', a fermenting shed 12'x8', one hardening shed 34'x60' and a semi-hardening shed were constructed during the half-year. A concrete cistern, internal measurements of 25'x16'x8', and capacity 20,000 gallons was built for storing water for use in the dry season.

Roads: Roads cleared to the new fields and also across them were surfaced with laterite and colas. A road to the gasolene bond was also cleared.

4. Livestock Station - Ebini -

The new weighbridge was received and should be erected shortly.

Experiments in Planted Pastures:- Approximately 35 acres of land were planted with Pangola grass. A tropical variety of Alfalfa was also tried. Improvements were made in some on the old pastures of mixed species. Fertiliser trials continued with satisfactory results.

Livestock: The general health of the animals was good. The calf crop has been unsatisfactory. A third grazing trial on Pangola grass comprising 43 steers was started in July and the results at the end of the year were most encouraging. A large number of heifers were weaned. Two of the newly imported bulls were mated to station bred heifers, a Santa Gertrudis to half-bred Santa Gertrudis females and a Red Brahman to Sahiwal females. The Red Brahman bulls are being used because of the difficulty in securing related Sahiwal bulls, and also because they are somewhat similar in type. Discussions were held with the histologists at Jamaica and Cambridge University about the biopsy samples of liver cirrhosis and considerable information has already been obtained about the incidence of the disease and about the changes taking place in the liver. Subdivision of large paddocks into smaller units to be used as bull paddocks were completed.

Collection of data in connection with liveweight changes of breeding cows on range and on improved pastures continued.

5. Livestock Station - St. Ignatius -

Grass: A further 20 acres of pangola planted and fertilised with the application of 2 cwts. of a 2:2:1 mixed fertiliser were doing well. Pangola grass already established were growing well but suffered during the dry spell towards the end of the year (about fifty days) and little grazing was possible. Almost the whole area of the station was burnt by Indians. The grassland experiments, inside a fire break and fence in Juga paddock, were also burnt maliciously thus causing ruin to these plots.

Other Crops: Experiments on the fertilisation and cultivation of corn continued and at the end of the year the corn was harvested. The major results showed a deficiency of phosphate. Little difference was caused by the spacing tested and no difference between the two local types. Three introduced varieties were disappointing. The citrus planted in the Takutu River Bank responded well to daily irrigation while trees which were not irrigated, died. Coconuts and oil palms were seriously affected by drought.

Livestock: Culling and redistribution of breeding herds were completed. At the end of the year there were nine single sire breeding units in addition to other herds. The condition of the cattle improved. Thirty-six calves were born during the half-year while there were seven deaths. Fifty-nine animals were sold/slaughtered and at the end of the year the herd totalled 473. The death of seven horses reduced the number to 55.

Buildings and Fencing: A new corn store and saddle room were constructed near to the new corrals and calf pen which were built at the same time. Further work was completed in the corrals at the Central outstation and new ones constructed at Jawari outstation. Fencing of the range into breeding paddocks was completed and a start made in putting proper gates and approaches where necessary. Fencing of about 300 acres of improved pastures was in progress at Jawari outstation.

3. SOIL SURVEYS:

6. Tapakuma: At the end of the half-year the field work was completed and a start made on the writing of the report.

7. Tappa, Rupununi: A further visit was made to this region in an attempt to select an area within the region for land settlement purposes. Investigations were centered in the country around the Velgraad Airstrip. A report on this visit is, however, not yet available.

8. United Nations Special Fund Project: Extension of the Chemistry Laboratory in order to accommodate the United Nations staff who are due to commence operations early 1961, was almost completed by the end of the year. A parking shed has been provided and extra parking space made available.

4. CROPS:-

9. Cocoa Development - Work on extending the Propogating Unit at Hosororo was started in September and at the end of the year the spray beds, storeroom, hardening floors and a small fermenting shed were completed and four hardening floors under construction. At Atkinson Field 5,246 square feet of sandcrete floor were cast and an artificial dryer was under construction. A total of 8,570 plants of the varieties S.C.A.6 and S.C.A.12 were distributed and 25,900 were on the hardening floor. At La Belle Alliance propogation work was temporarily suspended due to lack of storage space and arrangements had to be made to transfer the plants for distribution to other centres.

During the half year 35,856 plants were propogated, 20,874 basketed, 8,876 distributed to farmers and 19,998 were available for distribution.

10. Coconut Development -

Selection and Propogation: The collection of nuts for propogation in nurseries continued from selected blocks at Chapman Grove, Spring Hall, and Cane Grove Estates on the East Coast, Demerara. Good quality nuts were selected for propogation. In Essequibo and Berbice considerable damage was done to seedlings due to the long distance they were transported in lorries on rough roads. In order to reduce damage nurseries were established at Suddie, Essequibo Coast and Whim on the Corentyne. During the half year 80% nuts were sent to the nurseries in Essequibo, Berbice and Corentyne.

Distribution of Seedlings: During the half year seedlings were distributed as shown in the table below.

Month	DISTRICTS					Total
	Essequibo	West Demerara	East Demerara	Berbice	Miscellaneous	
July	11,000	772	1,850	16,000	45	29,667
August	2,000	200	765	6,600	180	9,745
September	-	400	480	100	9	989
October/ December	3,000	800	5,220	12,400	330	21,750
Total	16,000	2,172	8,315	35,100	564	62,151
January - June	21,500	162	24,660	27,212	254	73,788
Total for Year	37,500	2,334	32,975	62,312	818	135,239

5. FISHERIES:

During the half year most of the major development works at Onverwagt were completed and routine observations of records continued at the station. An evaporimeter was established at the station. This records the loss of water by evaporation and temperature figures were taken.

Three feet of the koker channel were cleared of silt. As a result the tide is more readily accessible to the ponds for a longer time. During the half year 26,099 fish were introduced from the sea, 462 fin clipped for growth studies, 52 dissections were made, 182 juvenile shrimp and fish samples collected and 99 lbs. of fish valued \$50.40 were sold. There were specific introductions of fingerling fish caught in traps and nets and stocked in ponds. The most abundant fish type was mullet with younger croakers and snook also present. 857 pounds of queriman, mullets and bashaw were lost during the hot August days.

The erection of the Kingstrand Aluminium house for the foreman was completed and burning of heaps for the surfacing of the access road to the station almost completed. Fencing of the station was also completed.

The film prepared by the Government Information Services on the work at the Station met with an enthusiastic reception wherever it was shown particularly in the surrounding areas. It was released at a time when the Tilapia which have been established in the swamps of adjacent villages were providing ample harvest of fish for hundreds of persons. During one of the afternoon's operations it was found that about 400 pounds of fish were collected from the swampland of three villages. Since these fishes were all Tilapia it has helped to confirm the value of this fish in such areas. A class was held for 13 interested farmers from various coastal parts of the Colony who have similar lands for fish culture as Onverwagt.

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II. CIVIL AVIATION

Improvement of Interior Communications - Work on the clearing of bush was started in preparation of the preliminary survey of the Kaieteur Area for the construction of an airstrip.

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III. DRAINAGE AND IRRIGATION1. BLACK BUSH POLDER:

Progress of Work - Steady progress was maintained during the half year in spite of heavy showers and a two-day strike staged on the 7th and 8th December over conditions of employment. At the end of the year the situation was back to normal.

Lesbeholden - Five rice combines were used on harvesting the first rice crop and the drilling of a borehole for drinking water was put in operation by the Pure Water Supply Department. A cattle bridge was constructed over the distributary at the head of the main drain.

Mibikuri, Joanna and Yakusari - A cattle bridge was constructed over the north branch canal at the head of the Mibikuri main drain and the banks of the outfall section of this drain were trimmed. Shaping of the Joanna, Mibikuri distributary, frontland sections and fairweather dams and the placing of boxes were completed. Work was also carried out on the 'sand pit' collector drain and the 'stop off' in the Joanna/Mibikuri distributary was excavated and the banks built up. Hand shaping of distributary banks and trimming of the banks of the outfall section of the Joppa main drain were carried out.

/Intersetlement...

Inter settlement Road - In the Mibikuri/Joanna Area the stabilisation of the road was completed to the centre of Joanna and the wearing course almost completed. Work on the completion of the bridge approaches was in progress. In the Yakusari Area about 3,000 feet of roadway were stabilised.

Head Regulators - The last of these five structures were substantially completed.

2. BOERASIRIE EXTENSION PROJECT:

At the end of the half year the only work outstanding was the completion of bridges in the West Bank Essequibo area and the extension of the cut-off bank at the southern end of the weir.

3. TAPAKUMA PROJECT:

Surveys: Plotting of all surveys to a scale of 1:10,000 proceeded. A survey of the site for the new Dartmouth/Westbury sea sluice, walk-over surveys of the facade drain between La Belle Alliance and Somerset/Berks and the replotting of the main canal were completed.

Hydrology: Routine records were maintained and samples tested.

The camp and hydrological stations were put on a care and maintenance basis pending the award of the contract.

4. MINOR DRAINAGE AND IRRIGATION:

East Demerara

Mahaicony/Abary: Reconditioning work and grading of dams were completed.

West Demerara

Windsor Forest/La Jalousie: The new panel at La Jalousie and the raising of dams were 90% and 20% completed respectively.

Den Amstel: Earthworks were virtually completed and the blow-out boxes constructed. The construction of the intake was 80% completed and contracts for panels awarded.

Reconditioning Drainage - North Pouteroven: Completed.

La Retraite: The northern facade trench and sideline were completed also excavation of 1,600 feet of the western supply trench and 5,287 feet of the southern sidelines and work on the southern facade trench was started. At the end of the half year 95% of earthworks were completed and work on other structures was in progress.

Berbice

Rosehall: Satisfactory progress was maintained on the excavation of the east and west sidelines.

Gibraltar Sea Sluice: Completed.

Lancaster/Manchester: The Manchester east trench was virtually completed and preliminary work was put in hand for the installation of a new check in the Lancaster watercourse.

Fyrish: Work on the Fyrish north facade, courtlands facade, Fyrish west and a part of Fyrish east was completed. Excavation by drag-line showed satisfactory progress.

5. TOPOGRAPHIC SURVEYS:

Mahaica/Berbice: Six survey parties were engaged on the engineering surveys of the frontlands and at the end of the year had reached the Mahaicony River.

Canje River: The survey continued. At the end of the half year there were four parties in the field.

6. HYDROGRAPHIC AND HYDROLOGICAL SURVEYS:

The stage and rainfall recorders continued to be operated and maintained. It is proposed to discontinue discharge measurements at Manaribisi and to take measurements approximately 12 miles upstream at Friendship and also to establish two stage recorders at Torani and Mara.

The hydro-electric gauging stations at Kamari Falls, Cuyuni River; Great Falls, Demerara River; Tiboka Falls, Mazaruni River; Itabru Falls, Berbice River and Tumatumari Falls, Potaro River will be operated and maintained on contract by the Demerara Bauxite Company.

TORANI AND BLOCK III

Routine maintenance of both regulators were carried out. Rubber water seals were fitted to the gates of the Head Regulator and a metal walk-way erected across the Tail Regulator. A metal stairway leading to the water pump at the Head Regulator was built and a step-down transformer installed at the Tail Regulator. Weed killing was successfully carried out between miles 1 - 5. The Office and Guest House compounds were weeded. Renewing of the roof to the kitchen, bath and toilet, mesh windows, front stairway, and dismantling of the ceiling were carried out to the Guest House.

Miles 5 - 7: Work on the excavation of the north and south banks progressed steadily and satisfactorily. The average working of the each of the two draglines being about sixty-five cubic yards per hour. During the half year about 107,278 cubic yards of earth were removed.

Construction of two prefabricated houses were completed and both fenced.

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IV. EDUCATIONPRIMARY SCHOOLS:Essequibo

<u>Good Hope</u> : East Bank	90% Completed. Painting in Progress.
<u>Gibson-Fisher - Golden Fleece</u>	..	Contract awarded.
<u>St. John Baptist Anglican - Bartica</u>		Contract awarded.

Demerara

<u>Craig Government</u>	.. ..	Completed and occupied.
<u>East Ruinveldt Government</u>	.. ..	Contract awarded.
<u>Lodge Government</u>	.. ..	Completed.
<u>Ermore Government (Extension)</u>	..	Completed.

/Berbice ...

Berbice

<u>Vryman's Erven;</u>	..	..	Contract awarded.
<u>School of Resurrection, West Coast</u>	..	..	Tender unacceptable. To be re-advertised.
<u>Bath Government</u>	..	..	Tenders invited.
<u>Fyrish Congregational</u>	..	..	Completed.
<u>Fort Ordnance</u>	..	..	50% completed.
<u>Resource and Commons, No. 2 Canal, West Coast</u>	..	..	90% completed. Painting in progress.
<u>St. Patrick's, Canje</u>	..	..	Completed.
<u>Leeds Anglican, Corentyne</u>	..	..	Contract awarded. Work in progress.
<u>Lesbeholden, Black Bush Polder</u>	..	..	Contract awarded.
<u>Orealla, Corentyne</u>	..	..	Contract awarded.

Furniture and Equipment: During the half year furniture was supplied to twenty-nine schools in an effort to relieve shortages. These included Craig Government, Greenwich Park, Government, Fyrish Congregational and St. Patrick's Anglican. Tenders were invited and awards made for furniture to the value of \$35,012.40.

2. POST PRIMARY SCHOOLS:

Drawings for the school to be erected at Anna Regina continued and prefabricated frames were ordered.

3. DOMESTIC SCIENCE AND HANDICRAFT CENTRES:

At the end of the year construction at Tain Centre had been completed. The Centres at Rosignol, Arthurville and Beterverwagting were 80% completed and 10% of the work was completed at Cane Grove and Emmore. Contracts awarded for those at Fort Ordnance, Rosignol, Vergenoegen and Anna Regina.

4. PRIMARY SCHOOL SANITATION:

Sanitation work was completed for Diamond Government School.

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V. INDUSTRY AND CREDITS (FINANCE)

Credit Corporation - Loans made and repayments received by the Credit Corporation during the half year were as follows:

	Loans		Repayments
	No.	Amount (\$)	Amount (\$)
AGRICULTURE	87	305,199	299,458
HOUSING - PUBLIC OFF OFFICERS	45	282,101	227,119
- OTHERS	287	519,280	449,717
INDUSTRY	27	249,944	139,798
FISHING	2	8,951	8,664
LOGGING	-	43	265
FOOD PRODUCTION	17	255,366	244,689
LOCAL AUTHORITY	-	-	9,204
	465	1,630,884	1,378,914

VI. GEOLOGICAL SURVEYS

Field Work - All field expeditions returned to Georgetown in December. The metasedimentary rocks of the Waini area, Cuyuni River and of the Mazaruni River were examined by a Senior Geologist and two Geologists and part of the lower Puruni River was mapped. One Geologist mapped and prospected the country between Siparuni Head and the Ireng River and another mapped the Onai area. In the North West District mapping and prospecting were carried out in the Barima area where small occurrences of nickel and cobalt were previously discovered. Soil samples were being examined in the chemical laboratory in a further attempt to assess the importance of the deposits. A field observer conducted an expedition into the Wakawakapu Creek area in order to cut lines and prospect the streams for gold and diamonds. Gold was found in several streams and diamonds have since been found by local prospectors who followed the lines cut by this survey. The same survey party also cut a trail from the Mazaruni River, above Apaiqua, to the top of the Pakaraima escarpment east of Sakaika Fall. This trail will be completed early in 1961 and will then open a new route to Ekereku diamond field, where a large number of prospectors are concentrating their efforts. The distance from the mouth of the Wakawakapu Creek to Sakaika will then be about 30 miles when the trail is completed.

Laboratory Work - The work carried out during the half year included:-

Heavy mineral separations and sieve analyses	..	43
Bauxite analyses	..	658
Other analyses	..	3
Thin sections	..	535
Analyses for private parties	..	8

Drawing Office - At the end of the half year 2,618 ammonia prints were made, 100 tracings in black and white done, and over 40 prints hand coloured. Tracings were also hand coloured and negatives of maps made.

Library - During the half year the number of books catalogued totalled 7,433, 316 new accessions were made, and 368 books were loaned to members of the staff. The number of publications cyclostyled and distributed by sale or free exchange was:-

Bulletins	..	235
Annual Reports	..	480
Mineral Resources Pamphlets	..	423
Maps	..	54
Other Reports	..	2
Miscellaneous	..	255

The bibliography of the mining and geology of British Guiana was completed and work in progress on the writing of short explanations or abstracts to accompany each title. Two new publications were issued viz: "The Report on the Geological Survey Department for 1960," and "Inter-stratal Flow and Convolute Folding" written by Dr. E. Williams.

Training - Ten lecturers on elementary geology and prospecting were conducted by the Senior professional officers for the benefit of the junior staff.

Buildings - Extensions to the three officers' quarters in the Compound were completed and a start was made on the construction of a car park on the site of the old Chemical Laboratory.

VII : HEALTH1. HOSPITALS:

The drawings for both the Suddie Hospital Extension and Lethem Hospital were completed. The Cottage Hospital, Leguan was opened on the 1st November and those at Leonora and Mahaicony were 70% and 98% completed respectively.

2. HEALTH CENTRES:

At the end of the half year the position regarding construction was as follows:-

Essequibo

Hackney, Pameroon	..	Contract awarded.
Windsor Castle	..	Completed.
Queenstown	..	Completed.
Huis T'Deiren	..	Completed.
Vergenoegen	..	Completed.

West Demerara

Windsor Forest	..	Completed.
La Grange	..	Work in progress.
Good Intent & Sisters	..	Completed.
Soesdyke	..	Completed.

East Demerara

Golden Grove/Nabaclis	..	10% completed.
Handsome Tree, Mahaica River	..	80% completed.
Clonbrook	..	Completed.
Craig	..	Completed.

Berbice

Crabwood Creek No. 63 Bush Lot Bohemia Fyrish Reliance Cotton Tree Lichfield Woodley Park	} } } } } } } } }	..	Completed.
		..	Drawings completed.
		..	Contracts awarded.

3. MORTUARIES:

At the end of the year the position was as follows:-

Essequibo

Charity	..	Completed.
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West Demerara

Bagotville	..	Completed.
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East Demerara

Pln. Providence	..	Completed.
La Bonne Mere	..	Completed.

Berbice

Lichfield	..	Completed.
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Corentyne

No. 47 and No. 48	..	90% Completed.
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VIII. HOUSING

Construction of 81 houses on the self-help basis was started. Two housing layouts at La Penitence were approved and tenders invited for the construction of 188 houses and execution of site works. Site works at Sparendam were completed and the sale of lots advertised. Revenue during the half year was \$402,130.76.

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IX. LANDS AND MINESAERIAL SURVEYS:

During the half year the aircraft of the Fairey Air Surveys was engaged in aerial photography of the Colony. However unfavourable weather conditions during this period permitted little photography being carried out. Of the 112 days spent in the Colony it was only possible to use seventeen for photography. Ten of these days were spent in high altitude photographs (from 15,000 feet) and seven on low altitude (from 3,000 feet). This resulted in 6,199 square miles and 636 square miles respectively being photographed.

The aircraft left the Colony on the 2nd December at the conclusion of the contract.

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X. LAND DEVELOPMENT1. EXISTING LAND DEVELOPMENT SCHEMES:

Essequibo - Twenty-one rods of drains were dug in the Southern Housing area, Anna Regina and a total of 194 rods of streets were metalled in the Cotton Field and Anna Regina Housing areas. Three hundred and seventy-eight rods of the Lima Waterpath were reconditioned in order to provide better irrigation for the rice cultivation area of Lima. In the Cotton Field area a new bridge was erected across the north drainage trench and two boxes each 20'x4'x4' were put down. These boxes also serve as access crossing from the Public Road to the Housing area. A thirty-five foot box was built for the Reliance canal. A total of 239 acres of land at Reliance were cleared for rice cultivation and 89 acres at Bush Lot. Ten wooden trestles were completed for the New Market Shed at Charity.

Vergenoegen - One hundred and ninety-three rods of the Barnwell East Drainage canal were excavated. The Crown Dam was opened at two places to connect the new irrigation canals at Greenwich Park and Barnwell with the existing canals north of the Crown Dam. Two bridges were dismantled and re-erected on the Crown Dam, five stop-offs built to effect efficient water control, and two breaches along the new irrigation canal repaired. Nine hundred and thirty-two rods and eight hundred and sixteen rods of the canals at Greenwich Park and Barnwell respectively were cleared. A heap of five hundred cubic yards of burnt earth was completed and taken over and at the end of the half year three new streets were metalled.

Survey lines were cut along the reserves from Philadelphia to Greenwich Park and other reserves demarcated.

2. GARDEN OF EDEN:

Forty rods of river dam were raised against flooding and six thousand one hundred and ten rods of reserve weeded. Sixty-four acres of land were cleared and thirty-one acres planted by the settlers with assistance from Government.

3. MARA CUM ANNEXIS:

Four hundred rods of roadway were metalled along the new home-
stead area, for cocoa cultivation. Drainage outlet box kokers at
Scheepmoed North and L'Enterprise were enlarged and lowered to an invert of
45 G.D. and repairs were carried out to the Mara north drainage koker.
The laying out of drains in the residential area was started.

4. BLACK BUSH POLDER - LESBEHOLDEN:

Eight hundred and thirteen acres of bush were cleared in the
northern section of Lesbeholden and sixty-three farmers were allocated
holdings of approximately $17\frac{1}{2}$ acres each.

Quarters were erected for the Superintendent and Assistant
Superintendent of the Scheme, and a one man Police Post. The administra-
tive office and store and also a pound and Pound Keeper's quarters were
completed.

General repairs were carried out to machines used for clearing.

5. CHANTILLY/BOURDA:

Investigations into the ownership of lands in the Chantilly/
Bourda area were carried out by the Commissioner of Titles.

6. MIBIKURI, JOANNA and YAKUSARI:

A D-7 Bulldozer with K.G blade was received. This equipment is
expected to be of much assistance in the clearing operations scheduled to
commence early 1961.

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XI. POST OFFICE

Unit Automatic Exchange - The Power House at Mahaicony was completed
while doors and windows were to be fitted and painting done to the one at
Anna Regina.

Rural Automatic Exchange Equipment - Installation work was
completed at Skeldon and started at Mon Repos.

Radio Installations - All radio installations were virtually
completed. Testing of circuits between Georgetown, Atkinson, Bartica,
Mackenzie, Ituni and Kwakwani was completed and circuits put in use.
Testing of the Georgetown/Anna Regina circuits was completed and final
testing of the Georgetown/New Amsterdam and New Amsterdam/Skeldon ones was
in progress.

Subscribers' Apparatus - Distribution of subscribers' apparatus
was completed at Anna Regina and 90% completed at both Suddie and Skeldon.

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XII. PUBLIC WORKS1. ROADS:

Parika/Bartica - Preliminary location from Makouria to Urisima
Point was completed. A reconnaissance survey was executed over a distance
of $3\frac{1}{2}$ miles around Berebisciballi Creek in order to ascertain whether the
building of a bridge across the creek can be avoided. The design of $7\frac{1}{2}$
miles from Tarimakabra to Orangestein was completed and some 5 miles of
soil sampling done.

The total number of persons engaged on these works totalled 30.

/Bartica/Potaro...

Bartica/Potaro - Preliminary location was completed from Station 1850 +00 to 3302 +00 and 3 miles of survey carried out. The existing stone road was completed to 65 miles. Work on clearing, cutting and filling by machines was carried out and at the end of the year satisfactory progress had been made. $3\frac{1}{2}$ miles of road were sealed with bitumen emulsion in an attempt to cut down maintenance work. Laying of sand-clay base course proceeded slowly.

At the end of the year there were 200 persons employed on this project.

Potaro/Lethem - $4\frac{1}{2}$ miles of reconnaissance survey were completed from Toka to Bamboo Mountain foot. Preliminary location was completed in the Annai-Good Hope area and connected to Station 6520 +00. $29\frac{1}{2}$ miles preliminary location were completed in the Annai/Burro-Burro area.

The number of men employed on this project was approximately 75.

East Bank - The widening of a culvert at Kakabura Creek and two culverts in Coverden were completed. Widening was also completed of the bridge at Agricola. Approximately 17,000 cubic yards of sand-clay were placed at Eccles and 3,000 at Garden of Eden. At the end of the year the Eccles Deviation was up to grade and priming almost completed. A heavy seal coat was put down over the primed portion and the road opened to traffic. The base at Coverden was up to grade.

The number of persons employed on this project was 190.

2. SEA AND RIVER DEFENCES:

The position at the end of the year was as follows:-

Essequibo

Walls, Essequibo Coast	..	1,163 feet of boulder-faced wall completed and 46,700 square feet of earth surface protection done.
Walls, Leguan	..	593 feet of R.C. Wall completed. This involved the pouring of some 500 cubic yards concrete.
Walls, Wakenaam	..	190 feet of R.C. Wall completed and 182 cubic yards concrete poured.
Groynes, Essequibo	..	510 feet boulder groynes completed. Approximately 900 tons boulder stone.
Groynes, Leguan	..	574 feet boulder groynes completed.
Groynes, Wakenaam	..	2,573 feet boulder groynes completed.
Works McNabb/Somerset Berks	..	10,500 feet earth works completed. This involved the moving of 84,000 yards earth. 1,931 feet R.C. coping and 310 feet underpinning also completed.

West Demerara

Raise wave screen, De Willem/ Zeeburg	..	511 feet R.C. wave screen completed.
Casing Uitvlugt wall	..	Completed.
Works, Greenwich Park/Parika	..	Completed.
Groynes	..	1,500 feet boulder groynes completed.

/East Demerara

East Demerara -

Groynes	..	882 feet boulder groynes completed.
Works, Nabaclis/Annandale	..	Works completed included
	..	Earthdam .. 11,600 feet
	..	R.C. Coping .. 4,236 "
	..	Boulder facing . 3,608 "
	..	Toe piling .. 4,652 "
	..	Existing Coping. 3,390 "

Berbice

Works, Fyrish/No. 32	..	Approximately 16 miles of survey completed.
Wall from No. 78 to Springlands	..	600 feet each of toe piling, earthdam and boulder facing were completed.
Recasing Concrete Walls (Colony wide)	..	Completed. The total length recased consisted of -
		Wakenaam - 118 feet
		Leguan - 42 "
		West Coast Demerara - 725 "
River Defences, West Bank Demerara	..	196 feet R.C. Wall completed.
River Defences, Christianburg/Wismar	..	Interlocking steel sheet piling received.
Revetment - P.W.D./Forestry River Bank	..	2,850 sheet piling driven in .
New Hydrographic Launch	..	Launch completed but for installation of engine and survey equipment.
Works, West Coast Berbice	..	Completed.
Earth dam, Queenstown	..	Completed.
Works, Mahaica/Mahaicony	..	Completed.
River Defences, R.C. Wall, Stanleytown/Islington	..	450 feet R.C. Wall completed.
New sea dam - Cotton Tree/Zee Zight	..	8,523 feet earth works completed.
Beacons	..	12 beacons completed from Mahaica to Rosignol.

3. P.W.D. - BUILDINGS ETC:

The extension to the workshop was completed.

4. HOUSING ...

4. HOUSING FOR PUBLIC OFFICERS:

At the end of the year the position as regards construction was as follows:-

Berbice

- Class I Officer - Local Government Department, Springlands. - 50% completed.
- Engineer, Drainage and Irrigation Department, No. 63 - 2% completed.
- Superintendent of Works, Drainage and Irrigation Department - No. 63 - 80% completed.
- District Commissioner, New Amsterdam - 40% completed.
- Inspector of Income Tax, New Amsterdam - Work in progress.
- Assistant Inspector of Income Tax, New Amsterdam - Contract awarded.
- Police - 1 N.C.O. and 4 Ranks, Rosignol - Drawings being prepared.
- Agricultural Superintendent, Fort Wellington - 5% completed.

Demerara

- Social Assistance Officer, Mahaicony - 90% completed. Painting and plumbing in progress.
- Police - 2 Constables, Mahaicony - Quarters for conversion not yet available.
- Agricultural Instructor, Mahaicony - 80% completed. Painting and plumbing in progress.
- Junior Public Health Inspectors, Plaisance - 90% completed. Plumbing and wiring in progress.

Georgetown

- Block of Flats - New Market and Main Streets - Completed.
- Conversion of Barracks into Married Quarters, Eve Leary - Completed.

Essequibo

- Head Teacher, Wakenaam - 95% completed.
- Head Teacher, Taymouth Manor - Site available.
- Class II Officer, Local Government Department, La Bagatelle, Leguan - Site not available.
- Interior - 2 Field Officers, Karasabal and Ishalton - Completed.
- Police - 1 N.C.O., Annai - 95% completed.
- Class II Officer, Kamarang - 50% completed.

5. PUBLIC BUILDINGS:

At the end of the year the buildings completed were the Sub Registry Vault, New Amsterdam; Office for District Commissioner, Vreed-en-Hoop, Police Station, Annai; building for the storage of Timber etc., Triumph; and the office and storeroom for an Overseer and Foreman at Anna Regina. Drawings were being prepared for the extension of the Lands and Mines' Office, Georgetown and the Magistrates' Court at Sisters on the Corentyne. The tender for the new Fire Station at New Amsterdam was under consideration.

6. RURAL WATER SUPPLY (ARTESIAN WELLS):

During the year 3 Government wells and 2 private wells were completed in addition to one at the Shelter Belt which was handed over to the Georgetown Sewerage and Water Commissioners who contributed to part of the cost. Four overhead tanks and pumping installations were completed and put in operation and 27.49 miles of new pipe lines and 158 standpipes were put down in various parts of the country, while 7.27 miles of old pipe lines were taken up and relaid.

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XIII. TRANSPORT AND HARBOURS

Steamer Services - Work on the reconstruction and extension of the Georgetown Ferry Terminal proceeded. 183 greenheart piles were driven. Extensive underground obstruction was encountered and it was necessary to extract 100 old piles and clear other timber obstructions before piling could be done. 172 of the piles driven were cut to the required level and tenons prepared for receiving greenheart half caps. During the half year 2,894 feet of double half caps 6"x12" were fitted and fastenings secured to piling and 722 feet of 12"x12" floor joists were fitted and fastenings secured. 85 feet of reinforced concrete retaining wall 8'6" high were constructed. This serves as a river defence along the shore line. Preparatory work in connection with the road approach was in progress.

Work on the Vreed-en-Hoop Ferry Terminal and Goods Wharf also proceeded. 244 greenheart piles were driven. All piles driven were cut to the required level with tenons for receiving greenheart half caps. 2712 feet of 6"x12" half caps were fitted and fastenings secured to piling on which tenons were cut. 5056 feet of 6"x12" floor joists were fitted to half caps and fastenings secured. 11,669 square feet of 3'x12" greenheart decking were spiked to floor joists.

The re-engining of the M.V. "Barima" was completed.

Stellings - At Morawhanna extensive improvements were carried out to the road approach. Retaining walls were constructed and the road level raised above Mean High Water Springs, and the roadway metalled and sealed. Drinking water facilities were installed on the Stelling. The 500 gallon per minute Coventry Fire Pump and Trailer for the Stanleytown Stelling was received and the Coventry Climax Pump for the Goods Wharf was being installed. A detailed hydrographic survey for a Stelling at Hog Island was completed and boundary paals and level pegs established. Clearing was completed. The first consignment of piling were received and materials for the erection of workmen's huts collected for transportation to the site.

Harbour Services - The construction of the hut to house the two 16-KW Diesel Electric Generators was completed. 45-foot wallaba poles to carry the transmission lines were being planted.

Railway Services - The reconstruction of the western abutment and modification of the steel and timber span of bridge No. 75 of the East Coast Railway was completed. Materials and equipment were on site and work started on driving sheet piling to prevent erosion and scour at both abutments of bridge No. 53 of the East Coast Railway. Rehabilitation of the railway tracks of both railways was completed and all extra labour employed laid off.

XIV. MISCELLANEOUS

Government Recording Studio - Georgetown - Construction of the Studio was completed during the year.

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XV. RURAL SELF HELP

Grants totalling \$65,673.76 for 34 schemes estimated to cost \$86,037.79 and to benefit 2,242 families were approved during the half year. Fourteen of these schemes were for Demerara, seven for the Corentyne, six for the Interior, four for Essequibo and three for Berbice. These consisted of buildings (8), fencing etc. (6), roads (6), bridges (4) and miscellaneous (10). There were four revised schemes during the half year.

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XVIII. AMERINDIAN DEVELOPMENT

Improvements to Roads, South Savannahs, Rupununi - Lumber for bridges were on order. Work was in progress between Aishalton and Kalarandarnau.

Communications - Lighting plants and radio equipment were received and shipped to Karasabai and Aishalton.

Water Supply - Pipes, windmills and tanks were on order and preparations were being made for the installation of these.

Agricultural Development - About 93 acres of land were cleared in the Paruima Valley of which 7 were put under cultivation. Tractor and agricultural implements were shipped to the District.

Training Centres - In the Rupununi, courses were held in tailoring, dressmaking, carpentry and adult education while in the Moruca, courses were held in gardening, dressmaking, boatbuilding and cooking.

Kumaka-Kwebana Land Settlements - Tractors and other road equipment were shipped to the Moruca. At the end of the year the road was cleared to the 16 mile pole.

Rest Shelters - The Rest Shelters at Supenaam and Anna Regina were completed.

District Office, Orealla - The house for the officer was nearing completion. Radio equipment and lighting plant were installed and put into use.

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A P P E N D I X

Development Programme - Financial Statement

Head of Estimate and Project	Total Provision for 1960	Total Expenditure for 1960	Total Expenditure July - Dec.
	\$	\$	\$
I. <u>AGRICULTURE</u>			
Cocoa Development ..	160,000	115,243	87,285
St. Ignatius Livestock Station ..	104,580	93,795	70,573
Ebini Livestock Station ..	108,000	90,315	59,035
Staff Training ..	50,500	46,284	44,030
Soil Surveys ..	116,315	112,230	71,525
Rice Development ..	85,620	65,560	65,560
Coconut Industry ..	49,600	41,910	19,378
Dairy Industry ..	20,000	20,000	20,000
Beef Industry ..	80,000	79,020	46,270
Fisheries ..	58,951	56,661	34,200
Training Centre - Mon Repos ..	80,000	206	206
Additional Staff ..	41,500	10,000	10,000
Bonuses to Producers ..	94,500	4,855	1,955
Central Agricultural Station ..	351,700	59,555	58,586
Hosororo Experiment Station ..	78,920	46,683	36,557
Employment of a Soil Scientist ..	4,500	4,827	4,827
	1,484,687	847,144	629,987
II. <u>CIVIL AVIATION</u>			
Georgetown Airport ..	452,500	-	-
Improvement of Interior Communi- cations ..	55,500	6,638	3,165
Purchase of Aircraft ..	50,000	-	-
Aeronautical Telecommunications and Navigational Aids ..	28,000	9,555	9,555
Safety & Navigational Aids ..	27,988	3,967	3,967
	613,988	20,160	16,687
III. <u>DRAINAGE & IRRIGATION</u>			
Black Bush Polder ..	4,526,000	3,501,001	1,511,611
Boerasirie Project - Main Works ..	457,127	443,967	273,806
Boerasirie Project - Subsidiary Works Tapakuma ..	260,500	-	-
Miscellaneous Works & Equipment ..	1,000,000	99,832	43,270
Topographic Surveys ..	1,132,246	445,002	333,165
Hydrological Surveys ..	232,600	185,471	124,381
Land of Canaan Relief ..	177,500	135,520	98,926
Land of Canaan Relief ..	180,000	-	-
Drainage & Irrigation Works - Golden Grove/Clonbrook ..	20,000	-	-
Torani Irrigation Canal and Block III ..	222,000	221,749	106,656
Wages Increases ..	-	4,636	-
	8,207,973	5,037,178	2,491,815

A P P E N D I X (CONT'D.)

Head of Estimate and Project	Total Provision for 1960	Total Expenditure for 1960	Total Expenditure July - Dec.
	\$	\$	\$
IV. <u>EDUCATION</u>			
Primary Schools - Buildings ..	616,600	209,915	120,207
- Furniture & Equipment ..	100,000	60,191	57,624
Post Primary Schools ..	120,000	-	-
Domestic Science & Handicraft Centres	150,956	84,185	81,923
Capital Grants to Secondary Schools	80,000	42,000	42,000
Extensions & Improvements to Queen's College ..	32,400	500	-
Primary School - Sanitation ..	662	662	662
	1,100,618	397,453	302,416
V. <u>INDUSTRY & CREDITS</u>			
Agriculture & Housing Loans ..	500,000	500,000	500,000
Industrial ..	1,000,000	217,618	217,618
	1,500,000	717,618	717,618
VI. <u>GEOLOGICAL SURVEYS</u>			
Geological Surveys ..	600,568	561,992	306,727
Inter Guiana Conference ..	680	554	8 Cr.
	601,248	562,546	306,719
VII. <u>HEALTH</u>			
Suddie Hospital - Extension ..	50,000	-	-
Lethem Hospital ..	15,000	-	-
Health Centres ..	100,741	105,664	50,717
Environmental Sanitation Programme..	29,000	-	-
Malaria Eradication ..	20,000	14,292	14,292
Filaria Eradication ..	21,000	19,670	13,272
Poliomyelitis Vaccination ..	61,300	36,223	29,741
Anti-Typhoid Vaccine Trials ..	80,000	45,892	31,167
Purchase of Hospital Equipment ..	44,600	21,032	21,032
Settlement of Ex-patients, Mahaica..	7,991	5,777	5,777
Cottage Hospital, Leonora ..	39,081	13,018	5,975
Cottage Hospital, Leguan ..	37,820	20,585	7,323
Cottage Hospital, Mahaicony ..	49,045	26,878	9,859
Mortuaries ..	7,265	4,031	1,678
Central Medical Stores ..	6,108	265	266
	568,951	313,328	191,099
VIII. <u>HOUSING</u>			
Rural and Urban Housing ..	1,239,712	544,450	358,468

A P P E N D I X (CONTD.)

Head of Estimate and Project	Total Provision for 1960	Total Expenditure for 1960	Total Expenditure July - Dec.
	\$	\$	\$
IX. <u>LANDS AND MINES</u>			
Topographic Surveys and Training of Surveyors ..	40,000	15,827	12,013
Aerial Photography ..	227,610	215,741	148,931
	267,610	231,568	160,944
X. <u>LAND DEVELOPMENT</u>			
Development of Pln. Mara ..	735,000	85,645	35,708
Black Bush Polder - Lesbeholden ..	475,000	151,196	134,611
Existing Land Development Schemes ..	150,443	61,343	46,175
Machinery and Equipment ..	108,750	-	-
Preliminary Investigations ..	7,000	363	356
Garden of Eden ..	71,930	25,685	11,366
West Bank Demerara - Chantilly/Bourda	212,500	-	-
Mibikuri, Joanna & Yakusari ..	70,000	64,976	64,976
	1,830,623	389,208	293,192
XI. <u>POST OFFICE</u>			
Postal Services ..	50,000	-	-
Telecommunications Rehabilitation ..	1,157,470	1,071,515	579,283
	1,207,470	1,071,515	579,283
XII. <u>PUBLIC WORKS</u>			
Parika-Bartica Road ..	360,000	56,195	46,370
Bartica-Potaro Road ..	540,000	384,591	276,253
Potaro-Lethem Road ..	300,000	164,006	109,015
East Bank Road ..	800,000	491,912	293,262
Sea and River Defences ..	1,987,713	1,729,288	900,039
Water Supply ..	480,000	438,640	269,590
Public Officers' Housing ..	262,500	130,437	105,770
Public Buildings ..	200,000	22,559	16,430
P.W.D. - Buildings, Wharf, Fencing ..	150,000	63,819	41,818
Quarries and Craft Section ..	280,000	-	-
East Coast Road ..	250,000	10,722	5,408
Harbour Siltation Investigation ..	248,870	220,003	181,319
Road Making Plant ..	7,460	2,757	2,757
	5,866,543	3,714,929	2,248,031
XIII. <u>TRANSPORT & HARBOURS</u>			
Rehabilitation of Steamer Services ..	1,862,285	1,380,380	1,201,534
Harbour Services ..	66,514	27,411	15,141
Railway Services ..	115,288	115,280	73,602
	2,044,087	1,523,071	1,290,277

A P P E N D I X (CONTD.)

Head of Estimate and Project	Total Provision for 1960	Total Expenditure for 1960	Total Expenditure July - Dec.
	\$	\$	\$
XIV. MISCELLANEOUS			
New Amsterdam - Improvement of Water Supply ..	62,132	26,802	26,802
Expenses of Issue ..	5,000	1,768	1,768
Government Recording Studio ..	53,520	31,536	12,810
Medical Research ...	422	348	123
Purchase of two generating sets ..	17,435	9,202	5,362
Extensions of Georgetown Water Supply ..	6,143	6,143	-
Cancellation of manufacture of a 2,500 KW Diesel Set ..	56,708	55,268	38,301
Medical Research (R.852(2)) ..	1,690	-	-
Medical Research (R.1085(2)) ..	1,320	-	-
Visual Aid Equipment ..	1,750	1,638	1,638
	206,120	132,705	86,804
XV. RURAL SELF HELP			
Rural Self Help Schemes	150,000	38,588	25,192
XVI. SOCIAL WELFARE			
New Georgetown Prison ..	100,000	-	-
Community Organisation & Community Centres ..	20,000	3,457	1,421
Youth Welfare & Sports Development ..	42,800	3,599	1,785
Community Development - Training ..	7,200	480	480
Albouystown Y.M.C.A. ..	2,880	-	-
	172,880	7,536	3,686
XVII. LOCAL GOVERNMENT			
Temporary Specialist Staff ..	120,000	36,679	16,098
XVIII. AMERINDIAN DEVELOPMENT			
Extension of Good Hope/Karasabai Rd.	19,500	-	-
Kamarang Mouth/Paruima Road ..	9,000	227	227
Improvements to roads - South Savannahs (Rupununi) ..	25,000	8,675	8,675
Communications (Radio) ..	7,000	6,361	6,361
Water Supply for Rupununi Villages ..	21,500	1,714	1,445
Medical Huts ..	4,000	228	228
Agricultural Development ..	18,000	7,395	7,395
Training Centres ..	8,000	6,358	4,321
Miscellaneous Schemes ..	1,000	-	-
Kumaka/Kwebana Land Settlement ..	65,000	39,282	39,239
Rest Shelters ..	10,800	10,606	10,289
District Office, Orealla ..	20,000	10,273	7,896
	208,800	91,119	86,076

A P P E N D I X (CONTD.)

Head of Estimate and Project	Total Provision for 1960	Total Expenditure for 1960	Total Expenditure July - Dec.
	\$	\$	\$
<u>XIX. TOURISM</u> Tourism ..	45,000	4,062*	3,514*
<u>XX. RURAL ELECTRIFICATION</u> Rural Electricity Schemes ..	28,185	28,076	7,289
<u>XXI. FORESTS</u> Central Timber Manufacturing Plant Additional Temporary Staff ..	4,876 7,734	4,468 7,734	2,008 -
	12,610	12,202	2,008
TOTAL: HEADS I - XXI ..	27,477,105	15,721,135	9,817,203