

CO-OPERATIVE REPUBLIC OF GUYANA

ANNUAL REPORT 1982

MINISTRY OF WORKS

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MINISTRY OF WORKS

ANNUAL REPORT - 1982

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1.0 EXECUTIVE SUMMARY

The Ministry of Works comprised five main units with a staff of 330 authorised. This number reflected the re-organisation carried out the previous year. The realignment of units allowed for better effectiveness and control in the process of executing the planned activities during the year.

The activities of the four units related to civil works were coordinated by the Chief Works Officer. This allowed for integrated planning and execution of related tasks pointing towards the main objectives set out in the Mission Statement. The performance of each of the units surpassed their revised targets primarily because supervision over the units were of a very high standard.

The reduction of the current budget in June tested the flexibility and ingenuity of the mid level and top level staff in reformulating tasks quickly to respond to the significant reduction in current expenditure for the year. Continuous review of plans activities and costs were necessary to keep within the budget and achieve targets set.

By December, 1982, the units were working in coordination with each other and perceived their inputs as factors in the equation for achieving a given task and not as specialist areas operating in isolation. This is a significant step forward in the development process of the Ministry of Works and every effort would be made to strengthen this process.

The process of reorganisation is continuing and serious discourse is being effected between the Ministry of Works and Guyana Stores Ltd., and Guyana Electricity Corporation with respect to the Electrical Unit. Discussions with Guyana Stores Ltd., had proceeded very far by December 31st with prospects of completion in 1983.

Overall, the long term objective of having the Ministry of Works focus on the formulation of a national policy on construction and wherever necessary to provide support service to construction endeavours is being kept in mind and continuous adjustments are being effected in this direction.

2.0 MISSION STATEMENT

Upgrading of the construction sector within the national economy.

Ensuring that public works were executed within an agreed framework.

Ensuring that services to the construction industry were made available to the nation as a whole.

Reorganisation of Divisions within the Ministry to ensure increased efficiency and harmony with national goals.

3.0 ORGANISATION AND MANAGEMENT

At the commencement of the year the Ministry of Works was one of two Ministries vested in the Vice President of Works and Transport. Later in the year Housing became a part of the trio with the Permanent Secretary of Works being responsible also for Housing.

Administrative responsibility was vested in the Permanent Secretary who joined the Ministry during the month of May. He was assisted in the discharge of his duties by the Chief Works Officer and other Divisional heads in the Technical and Administrative body. There are five Divisions and one special project which constitute the Ministry in keeping with the approved estimate for 1962.

3.1 ORGANISATION CHART

Please see Appendix I

3.2 DESCRIPTION OF DIVISIONS AND DEPARTMENTS

3.2.1 Administrative

As a result of the massive retrenchment at the end of March, the activities of the Divisions were increased. The administration kept tabs on the activities of the other Divisions through incidental day to day contact but specifically at the monthly management meetings which helped to ascertain whether projections in the form of policy decisions were achieved.

The other duties of this Division were as follows:

- a) Providing housing accommodation for public officers and expatriates who were entitled to such facility.
- b) Ensuring that telephones were installed in the Divisions and houses of entitled officers and the monitoring of all telephone bills.
- c) Purchasing properties for public purposes.
- d) To effect control of expenditure of the allocated provisions allocated to the Ministry.
- e) Providing personnel service to the employees of the Ministry and ensuring that those retrenched and retired receive the necessary assistance to enable them to receive their due.

The staff of the Administrative Division consisted of -

- 1 - Permanent Secretary
- 1 - Principal Assistant Secretary
- 1 - Assistant Secretary
- 1 - Administrative Assistant
- 1 - Personnel Officer II
- 1 - Confidential Secretary
- 1 - Stenographer I

3.2.2 Buildings Division

This Division was responsible for ensuring that buildings owned by or constructed for Government were adequately designed, constructed or maintained in accordance with the Buildings Regulations.

The Division executed the following duties:

- a) Monitored the works of Consultants and Contractors engaged on projects under current and capital estimates.
- b) Assisted Government Agencies which requested information and advice on buildings.
- c) Inspected cinemas, buildings of entertainment, petrol stations in order for the proprietors should obtain licences.
- d) Carried out minor repairs to buildings - Government Officers and flats in Georgetown.
- e) Cleaned Government compounds in Georgetown.

Hydrometeorological Division

The Hydromet Service was responsible for monitoring the weather and water resources of Guyana and to provide data for information to weather and water sensitive agencies. The Sections in the Division were Surface Water Hydrology, Ground Water, Climatology, Aeronautical, Meteorology, Agrometeorology and Support Services, some of which have subsections in the Interior.

Electrical Division

The Electrical Division is primarily responsible for the safe utilisation of electricity in the Country. The effective functioning of electrical equipment and appliances in Ministries, the supply of

stand-by power to key Government Institutions, the efficient operation of the Hydromet network and receiving sets (radios) in schools.

The Division also provides electrical inspection and refrigeration services.

3.2.5 Institution Buildings Project

A USAID loan agreement was signed to strengthen and expand the Institutional capacity of the Ministry of Works and Transport to maintain and construct Guyana's road system especially in rural areas and to permit it to continue the feeder road programme.

3.2.6 Materials Division

This Division provides laboratory facilities to assist in the construction of roads. Some of its functions are listed hereunder:

- a) Testing of soils to establish its properties and performing the geotechnical analysis required to make the design recommendations.
- b) Testing of bituminous material, aggregates, stabilized mixtures of aggregate materials and design of asphalt concrete mixes for pavement.
- c) Quality control of construction on road projects ensuring adherence to specifications and good construction practice.
- d) Research to investigate the possibility of using local indigenous materials in road construction is contemplated.

4.0 SUMMARY AND REVIEW OF CURRENT YEAR'S PROGRAMME

4.1 GENERAL ADMINISTRATIVE DIVISION

ADMINISTRATIVE DIVISION

At the commencement of the year under review, 1982, the Administrative Division because of the phasing out of the Ministry had to re-organise its structure and in doing so dispensed with certain Divisions and their staff. Those affected were Architect, Quarries, Supply, Roads Division and Guybridge. These segments have either become companies or part of a Company. The Surveys Division was transferred to the Lands and Surveys Division of the Ministry of Agriculture.

The Administrative Division since April under the direct charge of the Principal Assistant Secretary comprised of the Accounts, Personnel and the former Administrative Division and is the coordinating body for all the other Divisions. The activities consisted of the following:

HOUSING:

The Division continued to be the official landlord for the 12 Flats at Main and New Market Streets, 20 houses at Echilibar, Campbellville, those at 125 Carmichael Street and D'Urban Backlands. Three other apartments were bought in June. These are located at 88 Carmichael Street. Where houses are not available the Division rents private properties for this Ministry as well as other Government Agencies.

OFFICE ACCOMMODATION

This Division continued to provide office accommodation for other Ministries and the CARICOM Secretariat for which the Government of Guyana has a responsibility.

ELECTRICITY

Electricity consumption was monitored to ensure that payments were effected for the buildings under its charge and also in accordance with the contract signed with Guyana Electricity Corporation for the supply and payment of electricity. Besides being responsible for the Divisions of the Ministry, accounts were also paid for the consumption by the CARICOM Secretariat.

FIREARM LICENCES

Firearm licences were issued to officers of the Hydromet Division who are stationed in the Interior. This facility was provided to assist those to protect themselves from some of the perils and dangers of the forest.

TELEPHONE

The Division was responsible for coordinating the installation of telephones in the Ministry and the homes of those senior officers who were entitled to that facility. Because of changes, the resiting of telephones was done. The switchboard 69221-6 was disconnected. Efforts were made to provide this service for the New Highway Laboratory at Sophia, but unfortunately this was not done. Monthly telephone accounts were also being monitored and certified before being passed for payment.

FINANCE

Despite special efforts to control expenditure the allocation provided under some heads were exceeded. To add to our problems the shortage of staff at the Accountant General's office affected the passing of vouchers and the recoupment of Imprest; this militated against the smooth operation of the Ministry during the last two months of the year.

PERSONNEL

1) Appointments and Promotions

The 80% vacancies recommended to Public Service Commission were interviewed. Amendments to Job Specifications for positions in the Hydromet Divisions were received and relevant recommendations are to be sent to Public Service Commission shortly.

2) Leave and Allowances

All leave applications received were processed. In cases where leave was not approved, the tours were closed.

100% action was taken by the Ministry with respect to allowances but the quantum of allowance to be paid to the Chief Buildings Officer and Chief Materials Officer is still to be determined since approval of their salaries are awaited by the Chairman, State Planning Commission.

3) Superannuation:

Due to supporting evidence (records) the progress of this task has been impeded somewhat.

4) Training

Periodic training in personnel management, finance and record keeping was done in order to maintain the efficiency of the Ministry.

4.2

BUILDINGS DIVISION

Despite the depleted staff, this Division had tried to cope with the increasing volume of work, a great percentage of which was unprogrammed. 144 contract documents were completed most of which were done at short notice. About 110% was achieved. The direct labour section mainly executed minor repairs to buildings. The equipment operators were unable to maintain their programme of weeding and cleaning 30 compounds in Georgetown. This was due to many unprogrammed requests which had to be performed.

Generally, the shortage of cash and materials seriously hindered progress.

4.3

HYDROMET DIVISION

The Hydrometeorological Service undertook 21 projects during the year and of these 17 were completed. At the request of other agencies, the Division had to cope with 79 other projects. Thus the overall performance can be described as good.

Surface Water Hydrology Section

The maintenance and operation of the National Hydrological Station Network was adequate, including those stations for the Tapacuma Irrigation Project and the Mahaica/Mahaicony/Abary Project. Unfortunately, some stations in the Canje/Berbice Rivers for the Black Bush Extension Project and some stations at Potential hydropower sites could not be visited due to shortages of funds and technicians. Processing of data from the National Hydrological Network was exceeded by 10 per cent. All river water data for the year 1971 was published in the Annual Surface Water Data 1971.

Selected sets of data from the National Hydro-meteorological Station Network were supplied to twelve agencies for a variety of purposes.

Ground Water Hydrology Section

The maintenance and operation of 5 deep wells monitoring the coastal water table was 98% successful.

The following data were supplied to users for Hydrological purposes:

- | | |
|---------------------------------|--|
| 1) U.G. | 1 year shallow well data at 4 coastal stations. |
| | 10 years maximum rainfall at Linden |
| | 5 months maximum and minimum temperature |
| 2) AYANGANNA - CONSULTANTS LTD. | 1 year maximum - 1 hr. rainfall in Georgetown |
| 3) CENTRAL TRANSPORT LTD. | 3 Hydromet. data publications and 30 years rainfall for 6 coastal stations |
| 4) GEOLOGY & MINES | 4 years precipitation at Mabaruma |

Climatology Section

With regards to the National Meteorological Station Network, 96% of the maintenance was achieved, 100% of its operation was accomplished and 99% of the resultant data was processed. The publication of the Annual Climatological Data Summary 1976 was 99% completed but could not be printed because of the lack of funds. This section also had to cope with a large number of unscheduled work from other Agencies.

Selected data, including long periods of records for the whole country or coastlands from the National Meteorological Station Network were supplied to 31 Agencies. This Section also provides the public with a weekly weather summary for the Coastlands.

Aeronautical Meteorology Section

The performance of this Section was outstanding. Maintenance and operation of the weather radar, telecommunication equipment and automatic satellite picture receiving equipment exceeded the target by 18%. The plotting and analysis of surface and upper level weather maps was 121% of the target. The target of 550 public forecasts, 1100 terminal forecasts for landing purposes, 700 route forecasts between Timehri and other International Airports and 550 marine forecasts to the Guyana Defence Force was exceeded by 28%.

Agrometeorological Section

Large quantities of data were supplied for agrometeorological purposes to 15 local and 5 international agencies.

Research and Capital (Special) Projects

A hydrological research in collaboration with the University of Guyana on the "Evaluation of climate and hydromorphometric properties of Drainage Basins in the White Sands Area" has been completed. The Internationally famous hydraulics Research Institute collaborated with the Hydrometeorological Service in order to develop a computer model for calculating low flow in the Berbice River near Torani Head. The H.R.I. has published a "Report on Survey Work in Guyana" to explain the complex field techniques and has issued a publication "Estimation of fresh water flow in the tidal reach of the Berbice River, Guyana" containing the results of the experiments. The Specialist has begun a major programme to utilise computer models from the international project called Hydrology Operational Multipurpose Sub-programme; this should last several years. The Ground Water Hydrology Section has completed 90 percent of a research on the "Frequency and/of extreme river floods ever recorded in Guyana". A 67 page Bright Sunshine Map of Guyana was fully completed and published; the publication also includes all monthly bright sunshine data ever collected in the country. Another research on the use of weather radar for measuring rainfall was nearing completion.

The Agromet. Section completed a research on "Results of Experiments to determine the effects of Irrigation on the Yields of Crops at Ebini".

Transportation

Most vehicles in the Hydrometeorological Service had outlived their usefulness due to regular travel over difficult Interior trails and the stress of transporting ~~Timchri workers~~. This problem caused considerable delays of field trips, inconvenience to Timchri staff and hardships to field staff. Land Cruiser PBB 6016 and Toyota motor cars No. PBB 5764 and No. PBB 5232 were assigned to the Hydrometeorological Service after the discontinuation of the TMS project. In return Hydromet. handed over to Plant Maintenance and Hire Division Land Rovers Nos. PAA 2844 and PAA 5690, Colt Vans Nos. PAA 1925 and PAA 7475 as well as car No. PAA 3333.

Training

Four senior staff members including three Specialists completed a one month Management Study Course while 34 members of staff attended the 5 day Workers Participation Course.

Two Comrades are currently being trained at the University of Guyana while four others are benefiting from external training. Two other Comrades have successfully completed their external training and have returned to serve this Division.

Conferences and Seminars

During the year, the Chief Hydromet. Officer visited Brazil to discuss the Hydrology and Climatology Development Programme of the Amazon Basin. This was followed by a visit to Columbia to attend a Seminar and Workshop. He also visited Montserrat to attend --

- a) The annual meeting of Directors of Caribbean Meteorological Services.
- b) 27th Meeting of the Board of Governors of CHI
- c) 22nd Meeting of the Caribbean Meteorological Council.

4.4

ELECTRICAL DIVISION

This Division with its six sub-divisions -

Electrical Inspection	Maintenance
Refrigeration and Air Conditioning	Lighting Plant
Radio	Georgetown

achieved satisfactory overall performance.

This sub-division ensures that the Electrical Regulations are upheld wherever electricity is consumed so as to minimise loss of life and or property due to electricity faults.

A target of 2,300 jobs was projected for Georgetown and 2,193 were completed. That is, 95% of the target were achieved. Revenue received from inspections of premises, issue of licences and sale of Lighting Plant Spares amounted to \$42,281.29. Unavailability of electrical materials on the local market and lack of transportation affected the performance of the sub-division.

Unprogrammed Activities

228 vigilant inspections and the investigation of 2 fires.

Electrical Maintenance

This sub-division is responsible for the maintenance of the electrical installations and fittings in Government Buildings and the supervision of electrical contracts awarded by Government Agencies.

A target of 1,050 jobs was programmed for in 1982 and 1,622 jobs were completed. Thus the projected target was exceeded by 54%. This was due largely to the fact that maintenance works at the Georgetown Hospital were not included in the projected target for 1982.

Refrigeration and Air Conditioning

This sub-division is responsible for the maintenance of Air Conditioning Units and Refrigerators in Government Institutions and Quarters. A target of 250 jobs was programmed for 1982 and 1,338 were completed. That is, this sub-division has exceeded its projected target by approx. 535.2%. Due to the unavailability of some materials to effect repairs, emphasis was placed on preventative maintenance.

Lighting Plant Section

This sub-division is responsible for servicing, maintenance and repairs of Emergency Lighting Plant at Key Government Buildings in Georgetown. A target of 8 plants to be maintained was programmed for 1981, but only 7 were maintained. That is only 89% of the projected target were achieved. Performance was low because of the unavailability of spare parts.

Unprogrammed activities accomplished were as follows:

- a) 42 repairs to lighting plants
- b) Install 4 stand-by Generating Plants.

Radio Section

This sub-division is responsible for the repairs, maintenance and servicing of the radio network of the Hydromet. Division of the Ministry of Works, Public Address System in Parliament and servicing sets (radios) in Schools.

The projected target for this sub-division was:

- i) To maintain the Public Address System at Parliament throughout 1982 and this was achieved 100%.
- ii) Repairs to 30 Radio Receivers - 83 repairs were done hence the target exceeded by 176%. This was due largely to the fact that no provision was made in our projected target for repairs to radios operated by Broadcast to Schools which we were subsequently requested to repair.
- iii) Installation of ten (10) transceivers for Hydromet. Division - only three (3) were installed representing 30% of the projected target. The shortfall was due to the unavailability of transceivers.

Unprogrammed Works for this sub-division were as follows:

- i) Installation of 1 video tape recorder
- ii) Servicing of two test probes for Hydromet. Division.

Georgetown Hospital Section

This sub-division is responsible for the repair, servicing and maintenance of electrical appliances, electro-medical equipment and electrical installations at the said Institution.

In December, 1978, a Loan Agreement and a Grant Agreement with Project No. 504-0068 were signed between the Government of Guyana and U.S.A. The Loan Agreement provided US\$6.2 million while the Grant Agreement provided US\$1.7 million from U.S.A.

Advertisement for Consultants was made in early 1979 which led to the award, negotiations and signing of a Contract with a firm of U.S. Consultants, (TAMS) on 14th September, 1979.

During 1981 Cabinet agreed to the deobligation of US\$3.01 by USAID from the Loan Agreement mainly because the escalation of costs made the construction of the roads not feasible. The remaining US\$3.2 million of the Loan and US\$1.7 million of Grant funds were used to continue the Institution Building aspect of the project. The schedule date for the completion of all works was 31st December, 1982 with the date of 30th for all disbursements to be made. The year 1982 saw the successful completion of the Institution Building aspect of the works.

Approximately 99% of the targeted 100% of works required to be done in 1982 were done. Approximately 99.1% of the targeted 99.5% of the total project works were accomplished.

Works accomplished:

During 1982, 19 pieces of Caterpillar Equipment along with three Caterpillar Engines were repaired.

Works on 3 Terex F.E. Loaders and three Barber

Greene pavers were completed. A 60T Low Bed Tractor/Trailer was purchased and a micro Computer was bought for P.M.S.H.D. Upgrading of facilities (Civil Works) at the Kingston and Ruinveldt Re-build Workshops was done. Workshop equipment was procured and distributed. A New Highway Laboratory was constructed at Sophia and some new equipment for it was purchased and installed. Training aids were purchased. Approximately, 750 persons were trained on this Project. Most of the training was in Guyana with seven (7) persons trained overseas. Training was done for mechanics, electricians, heavy equipment operators, geometric, traffic and soils tests, computer programming and in

Organisation and Management

In accordance with the Loan and Grant Agreements a Project Manager was appointed. He generally supervised the twelve (12) Consultants who worked in the various Divisions with their counterparts who were employees of the respective Divisions. Most of the Consultants worked in the P.M.&H.D. with others working in the Central Transport and Planning Unit, Roads Division, Supply Division and Training Division. The Project Manager was the representative of the Ministry in its liaison with USAID.

Finance

There was an appreciable delay in the expenditure of Foreign funds made overseas and the reflection of this amount in USAID Financial Returns.

A request for a Supplementary Provision from the Ministry of Finance was not obtained. This caused Foreign Expenditure already made not to be reflected as there were inadequate funds within the Ministry.

Retention money is to be paid in 1983 for works completed in 1982.

4.6 MATERIALS DIVISION

Work was done for twenty-six (26) projects and agencies both private and Governmental. Some were Barima Construction Coop., Guyana Stockfeeds Ltd., Aubrey Barber Associates, Guyana National Engineering Corporation, Taylor Woodrow and S. A. Nambi & Sons. Revenue collected was \$42,117.03.

Research

Research has commenced on the use and effects of laterite as a road construction material.

Training

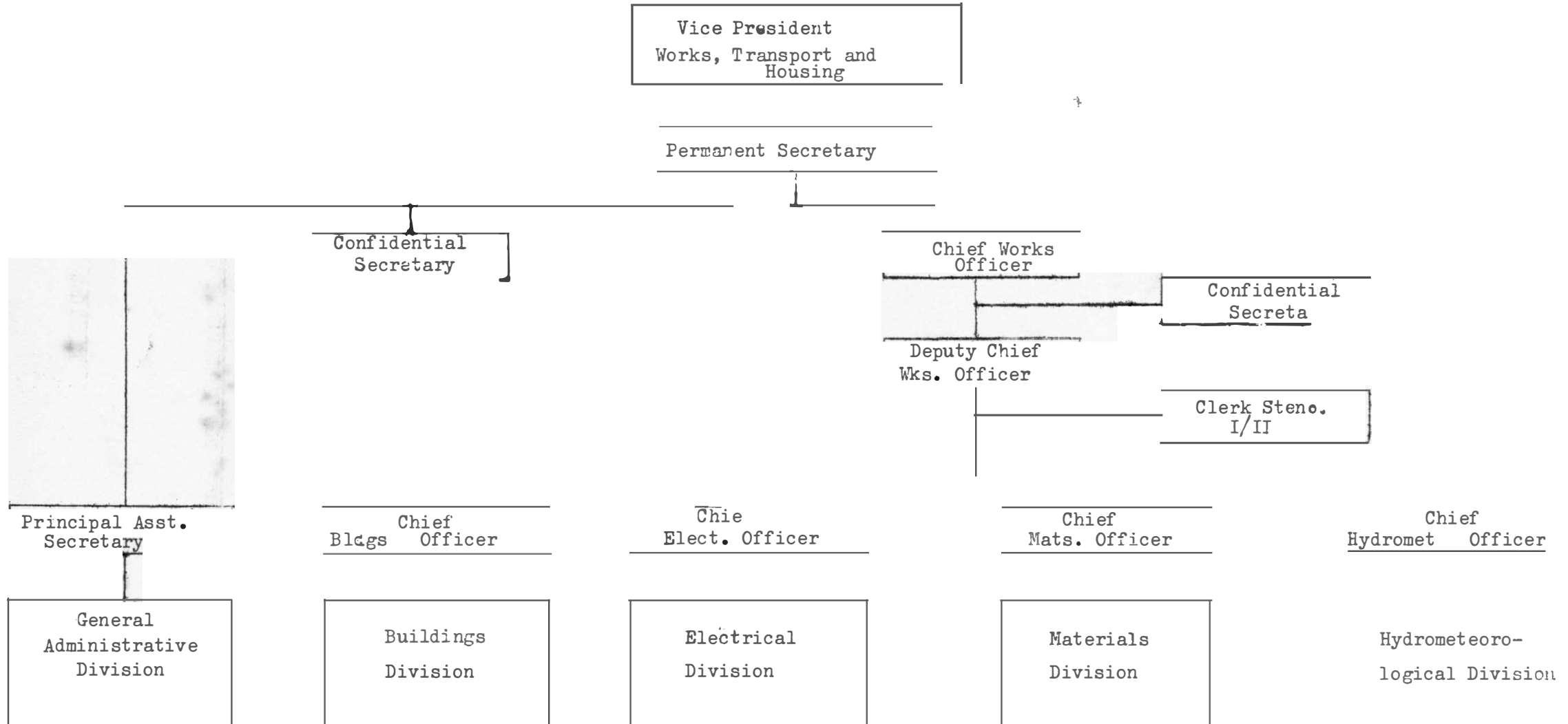
Four Engineers, Courades R. Jailoran, F. Philander, R. Ramsame and C. Waldron received training from TAMS Consulting Engineer and seven Materials Technicians were trained in bituminous materials and pavement design. Five Materials Technicians also received training in advanced soil testing using the new Triaxial Machine.

Review of Special Initiatives

Progress of work was impeded by power cuts as quite a large number of Laboratory equipment is powered by electricity.

With the acquiring of the New Laboratory at Sophia and the installation of some new equipment, progress was advanced although the staff in the Division was reduced. However, communication seems to be a problem, since there is considerable delay in the installation of telephones.

MINISTRY OF WORKS
ORGANISATION CHART
1982



APPENDIX II

STATEMENT OF CURRENT EXPENDITURE FOR PERIOD ENDED

32-12-31

HEAD No. 42 DESCRIPTION: EMPLOYMENT COSTS

<u>Subhead No.</u>	<u>Acct Code No.</u>	<u>Description</u>	<u>Voted Provision</u>	<u>Total Exp. & Liab. at the end of the period</u>	<u>Balance on Voted Provision</u>
<u>Wages & Salaries</u>					
121	121	Administrative	122,000	118,063	3,937
122	122	Senior Technical	336,000	237,722	98,278
124	124	Other Technical & Craft Skilled	873,900	858,165	15,735
125	125	Clerical & Office Support	434,000	434,719	719
126	126	Semi skilled Operatives	<u>408,000</u>	<u>342,151</u>	<u>65,849</u>
		Total	<u>2,173,900</u>	<u>1,990,820</u>	<u>183,880</u>
<u>Other Direct Labour Costs</u>					
141	141	Other direct labour costs - Appropriation	<u>312,900</u>	<u>333,845</u>	<u>20,945</u>
		Total	<u>312,900</u>	<u>333,845</u>	<u>20,945</u>
142	142	<u>Incentives</u>	<u>.100</u>	<u>.023</u>	<u>.077</u>
			<u>.100</u>	<u>.023</u>	<u>.077</u>
161	161	Benefits & Allowances	<u>288,000</u>	<u>272,706</u>	<u>15,294</u>
			<u>283,000</u>	<u>272,706</u>	<u>15,294</u>
Total employment costs			<u>2,774,900</u>	<u>2,52,590.43</u>	<u>177,506</u>

STATEMENT OF CURRENT EXPENDITURE FOR PERIOD ENDED

82-12-31

HEAD No. 42 DESCRIPTION: OTHER CHARGES

Sub-head No.	Acct. Code No.	Description	Voted Provision	Total Exp. & Liab. at the end of the period	Balance on Voted Provision
		<u>Mats. Equip. & Supplies</u>			
302	302	Field Materials & Supplies	240,000	245,130	5,130 0/s
303	303	Fuel & Lubricants	179,000	186,129	7,129 0/s
304	304	Office Materials & Supplies	20,000	25,244	5,244 0/s
305	305	Print & Non Print Materials	<u>2,000</u>	<u>1,428</u>	<u>572</u>
			441,000	457,931	<u>16,931 0/s</u>
		<u>Rental & Maintenance of Facilities</u>			
402	402	Lease & rental	540,000	550,616	10,616 0/s
403	403	Maintenance of Buildings	1,527,000	1,378,817	148,183
408	408	Maintenance of Other Infrastructure	100,000	103,697	3,697 0/s
		Total	2,167,000	2,033,130	133,870

APPENDIX II CONT'D

Sub Head No.	Acct Code No.	Description	Voted Provision	Total Exp. & Liab. at the end of the period	Balance on Voted Provision
<u>Services Purchased</u>					
501	501	Printing & Duplicating	10,000	9,806	194
503	503	Electricity Charges	270,000	269,699	301
504	504	Equipment rental & Maintenance	100,000	86,907	13,093
505	505	Professional Consultants	<u>150,000</u>	<u>89,902</u>	<u>60,098</u>
			<u>530,000</u>	<u>456,314</u>	<u>73,686</u>
<u>Transport and Communications</u>					
601	601	Local Travel & Subsistence	85,000	68,126	16,874
603	603	Postage, Telex & Cablegrams	3,000	1,833	1,167
604	604	Telephone Charges	100,000	57,827	42,173
605	605	Vehicle spares and maintenance	<u>58,000</u>	<u>71,156</u>	<u>16,844</u>
		Total	246,000	179,002	66,998

APPENDIX II CONT'D.

Sub-Head No.	Acct. Code No.	Description	Voted Provision	Total Exp. & Liab. at the end of the period	Balance on Voted Provision
		<u>Other Supporting Expenses</u>			
705	705	Entertainment & Meals	5,000	5,000	
703	708	Rates, Taxes and Subventions to Local Authorities	812,500	785,102	27,398
710	710	Subsidies	<u>500,000</u>	<u>500,000</u>	
			<u>1,317,500</u>	<u>1,290,102</u>	<u>27,398</u>
		<u>Miscellaneous</u>			
802	802	Other Miscellaneous Charges	5,000	3,174	1,826
		Total	<u>5,000</u>	<u>3,174</u>	<u>1,826</u>
		Total other charges	4,706,500	4,419,653	286,847
		Grand Total - Head 42	7,481,400	7,017,047	464,353

APPENDIX III

BUDGETED AND ACTUAL CAPITAL EXPENDITURE

Sub-Head No.	Acct. Code No.	Description	Voted Provision	Total Exp. & Liab. at the end of the period	Balance on Voted Provision
8	1014,071	Institution Building	7,200,000	4,847,127	2,352,873
10	1014,044	Government Buildings	220,000	155,767	64,233
14	1014,034	Hydrometeorology	350,000	38,000	312,000
21	1014,082	Coldingen Mech. Workshop Complex	800,000	800,995	995
24	1014,086	The Residence & Office of the President C.F.A.W. 80/82	(300,000) (224,497)	660,934	136,437 0/s
25	1014,087	Acquisition of Property C.F.A.W. 27/82 C.F.A.W. 132/82 C.F.A.W. 148/82 C.F.A.W. 162/82	900,000 258,000 70,000 1,748,500 143,000	2,893,500	226,000
26	1014,088	Customs Building	1,800,000	1,116,509	683,491
		Total Capital Exp.	14,013,997	10,512,832	3,501,165

1982 - HEAD 42 - MINISTRY OF WORKS

ESTABLISHMENT

No. OF POSITIONS	CATEGORY/POST	SALARY RANGE	TYPE OF ESTABLISHMENT	REMARKS
5	<u>A- ADMINISTRATIVE</u>			
121	<u>A-1 Head of Establishment</u>			
	1 Permanent Secretary	Special	Pensionable	
	<u>A-2 Senior Policy and Gen. Admin. Staff</u>			
	1 Principal Asst. Secretary.	A31	-do-	
	1 Assistant Secretary	A25	-do-	
	1 Admin. Assistant	A20	-do-	
	<u>A-4 Senior Personnel Admin. Staff</u>			
	1 Personnel Officer II		-do-	
	<u>B. SENIOR TECHNICAL</u>			
	<u>B - 1 Engineer</u>			
	1 Chief Works Officer	Special	-do-	
	1 Deputy Chief Works Officer	Special	-do-	
	2 Specialist Engineers	Special	-do-	
	3 Engineer/Senior Engineer	A24/A27	-do-	
	1 Chief Buildings Officer	Special	-do-	Approval given by Public Service Ministry for this position
	<u>1 Chief Materials Officer</u>	Special	do	do
	<u>B - 2 Architects</u>			
	1 Architect	A26	-do-	
	<u>B- 6 Quantity Surveyors</u>			
	1 Quantity Surveyor	A26	-do-	
	<u>B- 32 Other Senior Technical Staff</u>			
	1 Senior Supt. of Works	A23	-do-	
	4 Supt. of Works II/I	A13/22 A16	-do-	

No/ OF POSITIONS	CATEGORY/POST	SALARY RANGE	TYPE OF ESTABLISHMENT	REMARKS	
121	1 Chief Electrical Inspector	Special	Pensionable		
	1 Chief Hydromet. Officer	-do-	-do-		
	3 Specialist Meteorologist	-do-	-do-		
	2 Specialist Hydrologist	-do-	-do-		
	1 Hydrological Superintendent	A29	-do-		
	2 Hydrologist	A24	-do-		
	1 Hydrological Officer	A24	-do-		
	4 Meteorologist	A24	-do-		
	2 Meteorological Officer	A24	-do-		
124	<u>D OTHER TECHNICAL & CRAFT SKILLED</u>				
	D - 2 Electrical Technical Officer and Technicians				
	4 Electrical Inspector	A19	Pensionable	Excess of six (6) positions in this sub-category	
	3 Electrical Technical Officer	A16	-do-		
	6 Senior Electrical Technician	A15	-do-		
	20 Electrical Technician	A13	-do-		
	6 Electrician II	A10	-do-		
	4 Electrical Technical Assistant	A11	-do-		
	1 Lighting Plant Operator	A5	Non Pensionable		
	<u>D - 3 Radio Technicians</u>				
	Radio Technician				
	1 Radio Operator II/I	A15 A7/A5	Pensionable -do-		
	<u>D - 4 Draughtsman</u>				
	Draughtsman - Senior Assistant				
	1 Draughtsman - Senior Assistant	A14	-do-		
	<u>D - 5 Materials Technician</u>				
	Draughtsman				
	2 Senior Materials Technician	A16	-do-		
	5 Materials Technician II	A14	-do-		
	6 Materials Technician I	A11	-do-		

No. OF POSITIONS	CATEGORY/POST	SALARY RANGE	TYPE OF ESTABLISHMENT	REMARKS
124	D 10 - Surveyors & Quantities Technicians			
	2 Quantities Technicians II/I	A14/A11	Pensionable	
	D - 12 Overseers	A14	-do-	
	<u>D-18 Master Plumbers</u>			
	6 Plumbers	A8	Non Pensionable	
	<u>D-21 Master Painters</u>			
	2 Painters	A6		
	<u>D- 29 Other Skilled Staff</u>			
	1 Stock Verifier	A14	Pensionable	87 positions used in this sub-category
	1 Locksmith	A12	-do-	
	2 Assistant Accountant	A17	-do-	
	1 Store-keeper III	A13	Non Pensionable	
	4 Storekeeper II	A9	-do-	
	14 Carpenters II/I	A8/A6	-do-	
	2 Senior Hydrological Technician	A20/A22	Pensionable	
	7 Hydrological Technician II	A11	-do-	
	12 Hydrological Technician I	A14	-do-	
	9 Senior Meteorological Technician	A20/A22	-do-	
	5 Meteorological Technician II	A17	-do-	
	25 Meteorological Technician I	A14	-do-	
	1 Librarian III	A12	-do-	
	2 Personnel Officer I	A17	-do-	
	1 Outboard Motor Mechanic	A7	Non Pensionable	

NO. OF POSITION	CATEGORY/POST	SALARY RANGE	TYPE OF ESTABLISH- MENT	REMARKS
125	<u>E - Clerical & Office Support</u>			
	2 Confidential Secretaries	A13	Pensionable	
	4 Clerk/Stenographer I/II	A9	-do-	
	7 Accounts Clerk III	A12	-do-	
	2 Clerk III General	A12	-do-	
	2 Clerk II General	A9	-do-	
	4 Stores Clerk I	A5	Non-Pensionable	
	12 Accounts Clerk II	A9	-do-	
	19 Typist/Clerk II/I	A9/A5	Pensionable	
	<u>E-12 Office Assistants</u>			
	8 Office Assistants	A4	Non-Pensionable	
	<u>E-13 Other Clerical and Office Support</u>			
	3 Expeditor II/I	A12/A10	-do-	
	<u>F- Semi Skilled Operatives and Unskilled</u>			
	<u>F - 1 Junior Apprentices and Learners of Technical Skill</u>			
	11 Electrical Assistants	A11	Non-Pensionable	
	<u>F-3 Junior Apprentices and Learners of Buildings Trades Maintenance and Custodial Services</u>			
	2 Caretaker I	A3	Non-Pensionable	
	<u>F-10 Agricultural Farm Lab Technicians</u>			
	1 Gardener		Non-Pensionable	
	<u>F-11 Boathands, Drivers, Chauffeurs and Other Operatives Associated with Transport Equipment</u>			
	12 Vehicle Drivers	A7	Non-Pensionable	

APPENDIX IV CONT'D

NO. OF POSITIONS	CATEGORY/POST	T	SALARY RANGE	TYPE OF ESTABLISH- MENT	REMARKS
125	<u>F- 14 Other Operatives</u>				
	28 Hydrometeorological Technical Assistants		A10	Pensionable	
	1 Handyman			Non-Pen	
	1 Engineering Technical Assistant II		A14	Non-Pension- able	
	2 Lab. Attendants		A14	-do-	
	4 Equipment Operators II/I		A8/A4	-do-	
	<u>F-15 Labourers and Other Skilled Staff</u>				
	9 Cleaners		AI		