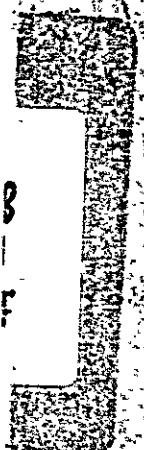


ザンビア共和国
カウング地区農村開発計画
基本設計調査報告書
別冊

ザンビア国建設事情

昭和62年9月

国際協力事業団



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ザンビア共和国
カウंगा地区農村開発計画
基本設計調査報告書
別冊

ザンビア国建設事情

昭和62年9月

国際協力事業団

国際協力事業団

18700

ザンビア行政区分図



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第 1 章 自 然 条 件

第1章 自然条件

1-1 気象条件

1-1-1 気候は、熱帯サバンナ気候に属し、低地を除けば年間を通じて比較的涼しい。年間の気候は5月から9月の涼しい乾期、11月から3月までの雨期とはっきり分れている。4月と10月はその過渡期にあたり、雨量が25mmを超えることはまず無い。雨量は南から北に行くに従い多くなり、年間降雨量は800mmから1,600mmである。5月から10月には通例1日9時間の日照が有るが、雨期には1日5時間に減少する。平均相対湿度は10月に最低の41%、2月に最高の84%となる。明け方には相対湿度はこれらの平均値よりも約15%高くなり、午後には約20%低くなる。

1-1-2 気温は穏やかである。6月、7月が最寒期で最低気温は5～6℃になることもある。平均最高気温は26℃で、最高気温は35℃を超えることもある。12月から4月までの気温は安定しており、年間の平均気温は20℃である。

1-1-3 次いで重要な気候上の特徴は、雨期の北西貿易風と乾期の南東貿易風である。この強い東風は平均風速16km/hで、数ヶ月間続くこともある。また、短時間に集中して降る雨は雷を伴う。

1-2 地勢・地質

1-2-1 ザンビア共和国はアフリカ南部に位置し、南はジンバブエとボツワナ、北はタンザニアとザイール、東はマラウイとモザンビーク、西はアンゴラとナミビアの8ヶ国に囲まれた内陸国である。東西は東経23度から34度、南北は南緯9度から18度までに広がり、総面積は75万km²で日本の約2倍である。

1-2-2 地勢は南部国境を流れるザンベジ川及びその支流のルアンガ川流域の海拔500m以下の低地、西部ザンベジ川上流の氾濫原、カフェ川流域及び国土の大

部分を占める高原地帯に大別できる。ザンベジ〜ルアンガ低地及びタンザニア・マラウイ国境の山地を除くと、国土の大部分は海拔 1,000～ 1,500mのなだらかな高原となっており、丈の高い草や灌木の繁るサバンナが続いている。

1-2-3 国土は重い花崗岩質で、豊富な河川、湖沼の存在は、肥沃な堆積土や泥濘土をもたらし、全国にわたって農業、牧畜に恩恵を与えている。水質は硬質で石灰分を多く含む。

1-3 災害・地震

1-3-1 ザンビア国では1959年カブエに最初の地震計が据えつけられ、続いて1971年には、ザンビア大学の物理学科に観測所が設立され、その後各地で地震の記録がとられている。観測記録によれば、タンザニア・マラウイ国境、カリバ湖からモザンビーク国境にかけての地帯及びカフェ川流域に地震帯がある。また、南西部を除き各地で地震動が記録されている。発生する地震は小規模のもので最大マグニチュード6程度で、地動も修正メリカリ震度階でVI程度であると思われる。なお、地震計設置以前の資料はないが、1924年タンザニア国スンバワンガを震源とする地震は、北のナイロビが地動し、東のダルエスサラームが地動しなかったと記録されている。ザンビア国内にも東アフリカ大地構帯の南端がのびているので無関係ではない。

1-3-2 ザンビアには、マラリア蚊、ツエツエバエ、ブッチイバエ、住血吸虫などが生息している。

第2章 建設事情

第2章 建設事情

2-1 建設一般事情

2-1-1 ザンビア国においては、植民地時代に培われた建設技術があったが、技術者は老齢になっている。首都ルサカでは数十階建の近代的高層建築もみられる。構造は、鉄筋コンクリート造、煉瓦造が多く、鉄骨造は少ない。工事施工体制としては、かなりの施工能力をもつ建設業者が相当数ある。1984年のGDPに占める建設部門の割合は4.43%である。

2-2 建設関係法規・建設規準

2-2-1 建築法規は Local Government, Chapter 480 of the Law of Zambia 及び各区の Municipal By-Lawsが適用される。また、山林及び草地の開発許可申請を各地区の Planning Authority に提出し許可を受ける。建築許可申請も各地区に提出する。政府関係の建物の場合は、規制はそれほど厳しくない。消防法の設計仕様は General Specificationがあり、公共事業省建築局に確認申請書を提出する。

2-2-2 設計業務の遂行に当っては、Architect and Quantity Surveyors Chapter 825 of the Laws of Zambia に基づき、ザンビア政府との契約方法、設計料、業務内容が規定される。設計及び施工は、原則としてBS規準で行なわれているが、ザンビア独自のものとして、"General Specification, Interim Metric Edition, Director of Buildings, Building Department, Ministry of Works and Supply", "Standard Specification for Roads and Bridges, Road Department", "CES Code ZS 016 1975, Code of Basic Data for the Design of Building, Loading, Dead and Imposed Loads" 等がある。その他ザンビア規格協会により、セメント・スレート・コンクリートブロック等若干の規格が制定されている。

2-2-3 輸入許可申請は請負者が、建築局で制定された Agreement and Schedule of Conditions of Building Contract の書式にのっとり契約をした後、輸入建設資材の調達準備をする。品目、数量等を記入し、商業省に提出した後、1～3ヵ月で許可が下りる。

2-3 建設関係機関及び業者

2-3-1 ザンビアには 400を越える建設会社があるが、大手建設会社はザンビア人以外の所有権によるものがほとんどで、管理職が外国人によって占められている。しかし、職人、技術者、労働者はザンビア人で占められている。また、建築家、技術士のほとんどが外国人であり、ザンビア人は The National Housing Authority があるにすぎない。

2-4 建設労働者

2-4-1 ザンビアの産業別雇用労働者数は、1984年の集計で 305,000人（農業、自給部門を除く）で、そのうち建設業は34,000人である。技術はレベルにより各職種毎に、Class 1～3に分かれているが、熟練工であるClass 1レベルの技術者は少なく、現地労働者の能率は低く日本の 1/3～ 1/5と言われている。

2-5 建設資材

2-5-1 ザンビア国内では、セメント、砂、砂利、煉瓦、コンクリートブロック、スレート等の基礎資材が生産されているが、木材も含めてしばしば不足する事がある。鋼材は国内では生産されておらず、主として南ア、ジンバブエからの輸入に頼っている。また、アルミ及びステンレス製品はザンビア国内では入手不可能のようである。トランス、分電盤等はヨーロッパより、蛍光灯は南ア、ジンバブエ製のものが輸入されている。

2-6 労務・資材価格

2-6-1 ザンビアの物価上昇は年間30%程度を見込む必要があるが、インフレは激しく、物価に対して長期的展望を持つことは難しい。特に基礎的材料である砂利、砂、セメントの値上がりが他に比べ大きい。1985年10月の外貨交換制度の変更により、為替レートが1 US\$ = 2.15クワチチから1 US\$ = 6.00クワチチと3分の1に下がった。1987年3月一時廃止となっていたオークション制を再開したが、1987年4月29日は21.14クワチチとさらに下落した。同年5月1日にオークション制度を廃止し、固定レート制とした。新レートは1 US\$ = 8.00クワチチとなり、資材単価が高騰、最低賃金の値上げも含め、工事費の実情がつかみにくいものとなっている。

2-7 水道・電力事情

2-7-1 水道の供給は各都市の自治体が行なっている。主要都市部において水不足の心配はほとんどないが、乾期に甚だ低圧になる地区もある。農村部は井戸に依存している。ガスは公共供給システムはなく、ガスシリンダーを利用している。電力はザンビア電力供給株式会社（ZESCO）により各地に供給されているが、電力幹線網の整備が不十分な地方はジーゼル発電に依存している。特にザンビア北西部州、西部州での電力供給網は発達していない。

第 3 章 輸 送 事 情

第 3 章 輸 送 事 情

第3章 輸 送 事 情

3-1 輸 送 経 路

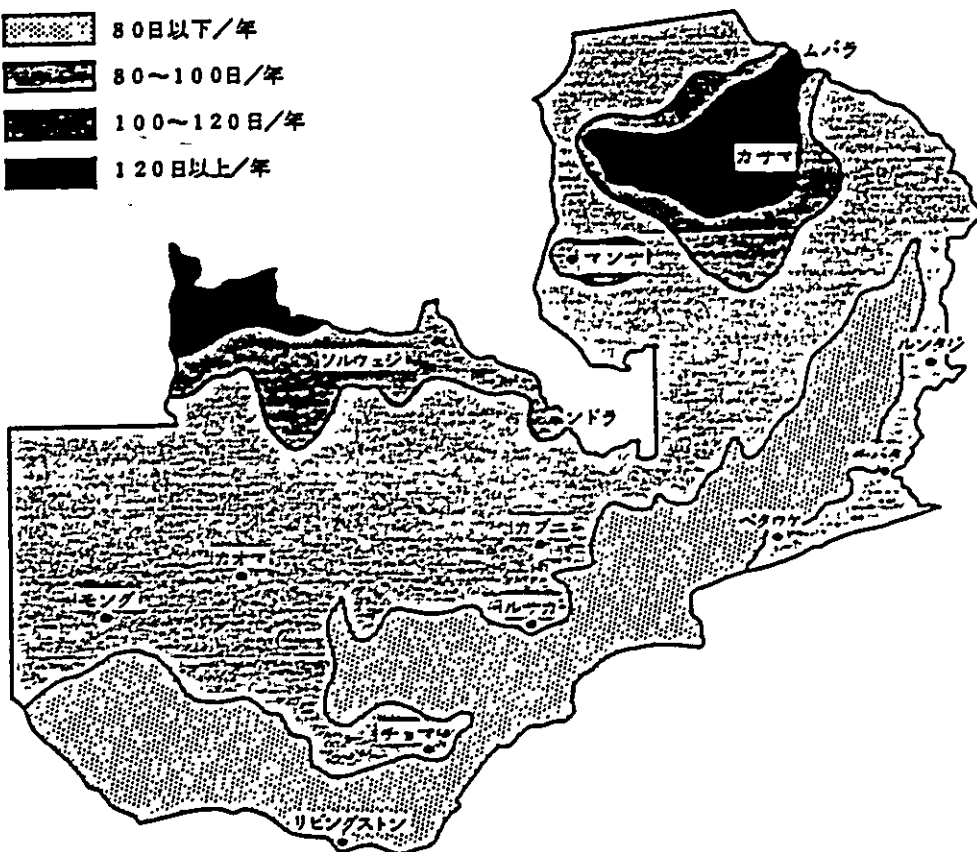
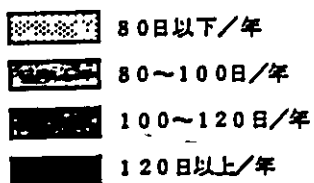
3-1-1 ザンビアは内陸国であるため、貿易に関しては周辺国の港を経由して、鉄道またはトラックで輸送するか航空便に頼っている。ザンビア国への主要輸送手段には、タンザニアのダルエスサラーム港よりタンザン鉄道によるルート、またはタンザンハイウェイを利用するルート、及び南アのダーバン、ケープタウン、ポートエリザベス等の諸港よりジンバブエ経由の陸路輸送ルートの3つがある。日本からの輸送は、ダルエスサラーム港まで海上輸送で、ザンビアのカプリモシまでタンザン鉄道(1,852km)とする。その後、トラック輸送とする。

3-2 輸 送 事 情

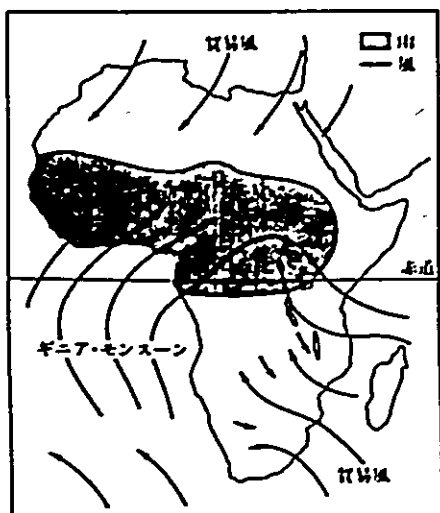
3-2-1 従来アンゴラ及びモザンビーク経由のルートは、両国の政情不安のため使用できない。ダルエスサラーム港においては荷揚げに時間がかかるため、港での陸揚げ及び鉄道までの積込みを十分管理する必要がある。南アより陸路輸送による場合は、鉄道よりトラック輸送の方が輸送事情は良い。

添 付 資 料

年間平均降雨日数

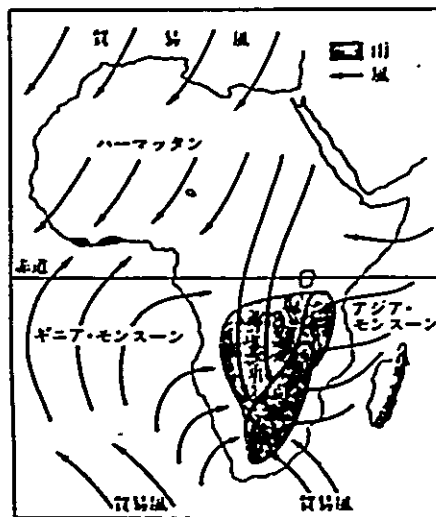


： アフリカ大陸風・雨図
(4月-9月)



(出典：「あふりかアフリカ」より)

： アフリカ大陸風・雨図
(10月-3月)



(出典：「あふりかアフリカ」より)

年間降雨量

観測所	過去平均 降雨量 (mm)	1983~84年 降雨量 (mm)	1984~85年 予想値 (mm)	過去平均降雨量 に対する増減率 (%)
ルサカ	837	549	689	-18
カブエ	957	747	834	-13
ンドラ	1183	1262	1331	+12
カサマ	1277	1158	1364	+7
ムバラ	1189	1296	1197	+1
マンサ	1093	1180	1109	+1
ソルウエジ	1354	1270	1396	+3
モング	846	625	579	-39
カオマ	847	939	612	-35
リビングストーン	780	486	632	-19
チェマ	833	539	617	-26
ルンダジ	885	783	958	+8
チパタ	1022	821	1006	-2
ペタンケ	942	719	817	-13

(出典: ZAMBIA IN FIGURES 1984)

TABLE II - MEAN VALUES (CONT.)

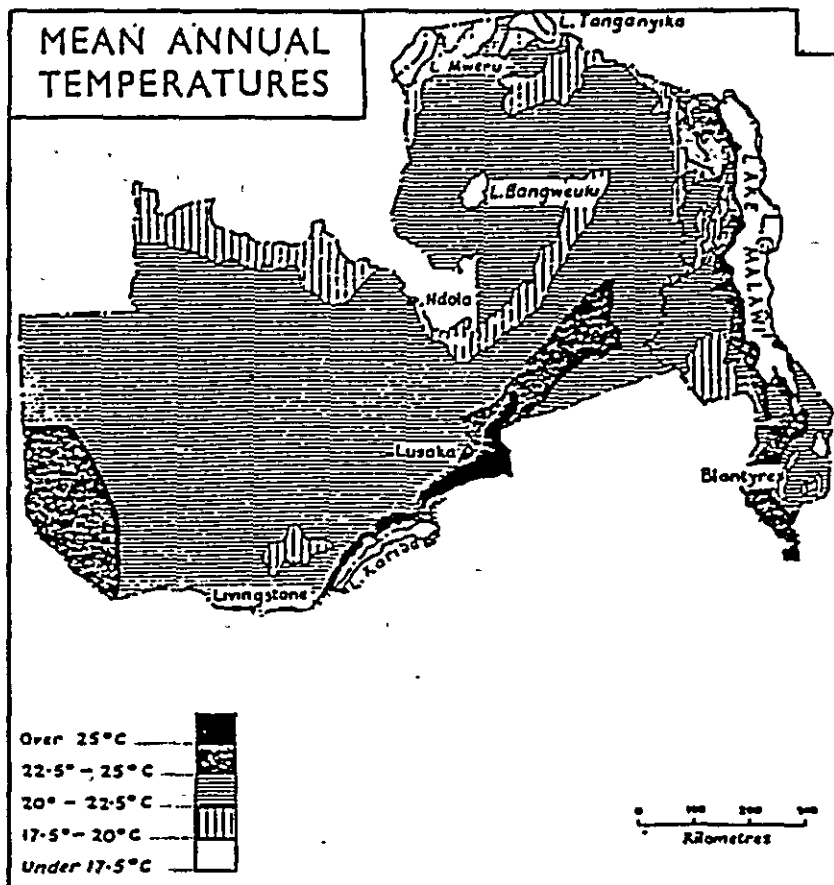
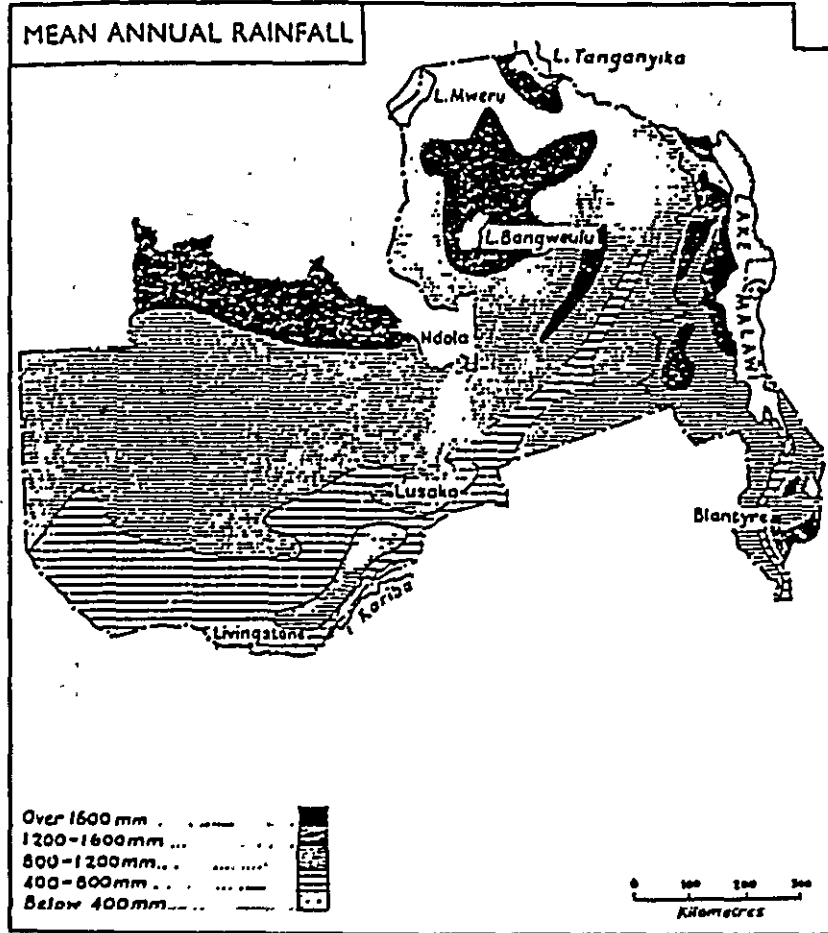
Element	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Year
Mean Monthly Pressure (mb.)	877.9	876.7	875.1	873.3	872.7	872.3	871.9	871.8	873.1	874.8	876.3	878.0	874.5
Sunshine - No. of hours per day	9.1	9.6	9.5	9.0	7.0	5.5	5.1	5.4	6.9	8.9	9.0	9.0	7.8
Sunshine - % of possible	81	83	79	73	55	42	40	43	57	76	79	80	65.7
Average No. of Thunderstorm Days	0	.2	.5	2.5	12	19	20	19	8.5	3.5	1	.1	86.3
Mean Monthly Windspeed (Kt.)	8.8	9.2	9.6	8.8	6.7	5.2	4.8	4.7	6.1	7.7	7.9	8.3	7.3
Mean Monthly Vector Wind Direction (deg.)	102	099	096	096	093	082	080	083	093	098	100	101	093.5
Constancy (%)	88	87	87	82	66	56	48	49	70	86	85	84	74
Mean Monthly Vector Wind Speed (Kt.)	7.8	7.9	8.3	7.0	4.4	2.9	2.3	2.3	4.3	6.6	6.7	6.8	5.6

NOTE: (1) Means are for a 24 hour period.

(2) Thunderstorm days and sunshine records from the City Airport for period July 1938 to June 1967 are combined with those from Lusaka International Airport for the period July 1967 to June 1970.

Mean Monthly Pressures Jan 1938 - Dec 1966 = 28 years
 Mean Monthly Temperatures - - -
 Mean Monthly Windspeeds - - -
 Mean Monthly Vector Winds Jul 1938 - Dec 1951 = 16 - 17 years
 Jul 1955 - Jun 1958
 Mean Monthly Rainfall 1916 - 1970 = 54 years
 Mean Monthly Sunshine Hrs. 1940 - 1970 = 30 years
 Mean Monthly Thunderstorm Days 1952 - 1970 = 28 years

年間降雨量及び平均気温



Source: Zambia Secondary School Atlas

年間日照時間

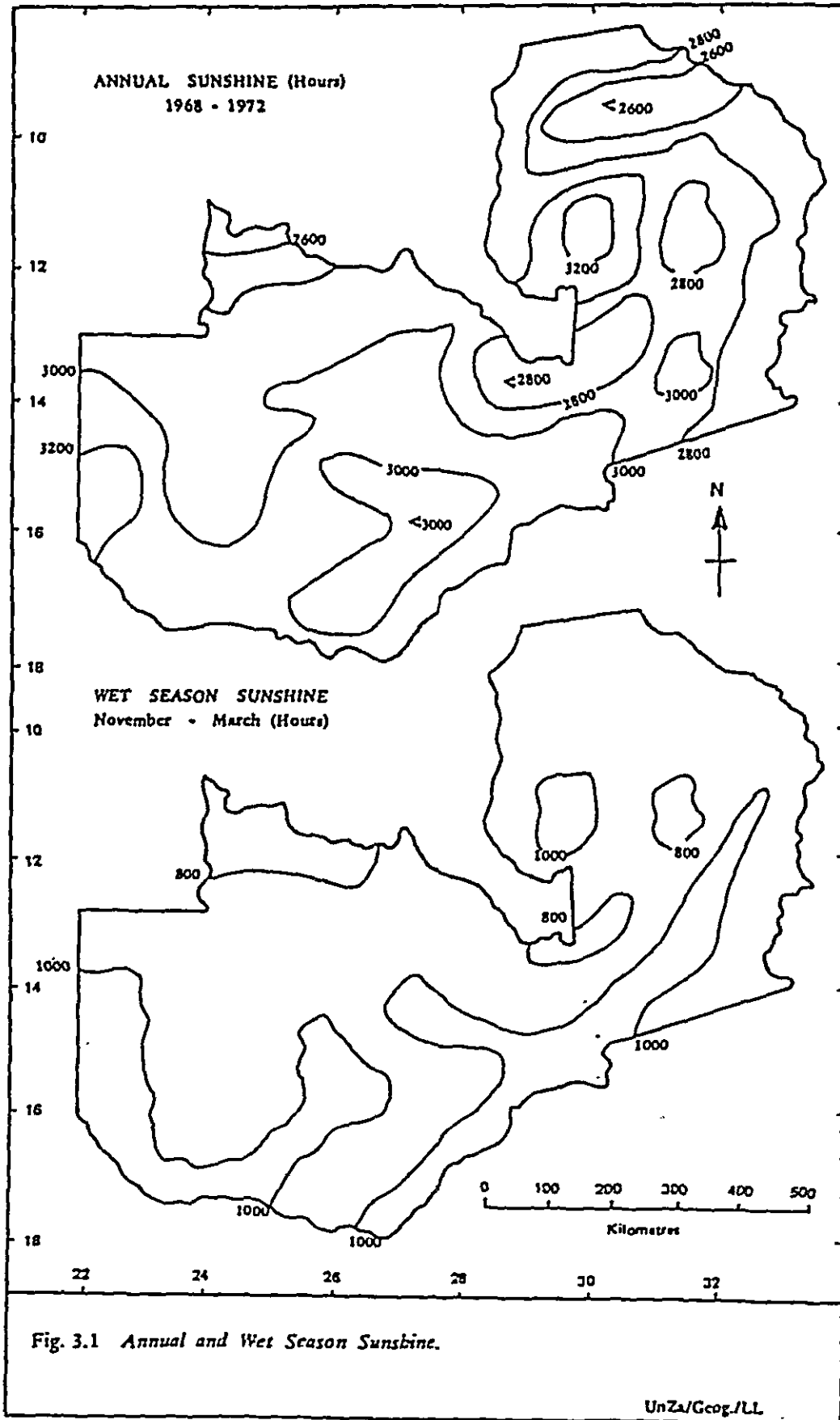


Fig. 3.1 Annual and Wet Season Sunshine.

Source: Climate Data for Architects in Zambia, Peter Hutchinson, Occasional Study No. 8, July 1976

平均風速

Average Wind Speeds in ZAMBIA

Wind Speed in Knots

	<u>January</u>	<u>April</u>	<u>July</u>	<u>October</u>	<u>Annual</u>
Chipata	2.9	4.1	4.9	6.4	4.5
Kabwe	3.6	5.4	6.1	7.1	5.2
Kasama	4.3	4.7	6.2	6.3	5.6
Livingstone	3.2	3.0	3.5	4.2	3.5
Lusaka	3.9	6.0	7.0	7.9	6.1
Mansa	2.3	3.4	4.2	3.8	3.6
Mongu	4.3	4.9	6.5	5.4	5.1
Ndola	3.1	4.0	5.2	5.4	4.4
Solwezi	1.5	1.7	2.0	1.1	1.7

Source: Climate Data for Architects in Zambia

地震分布

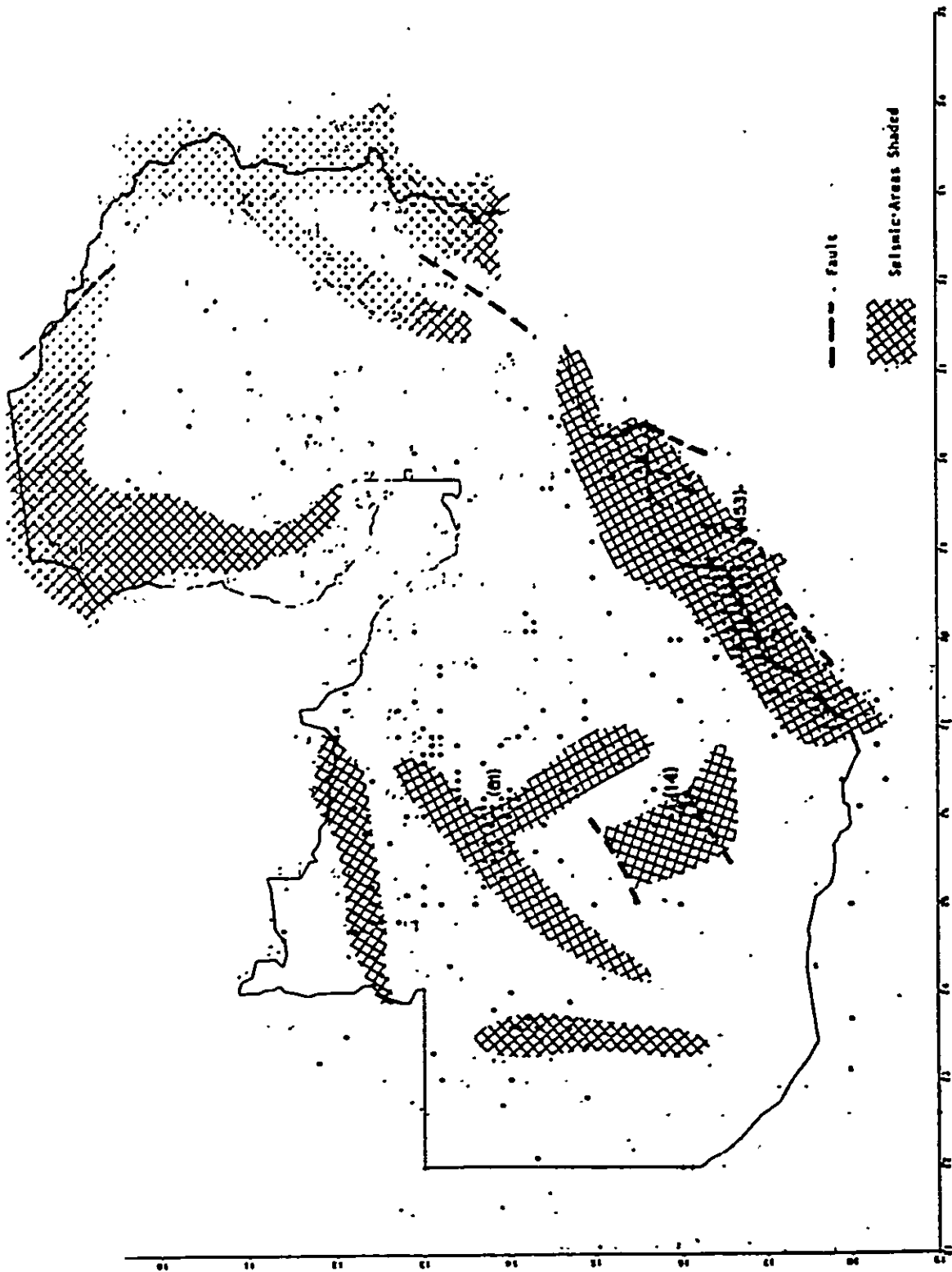
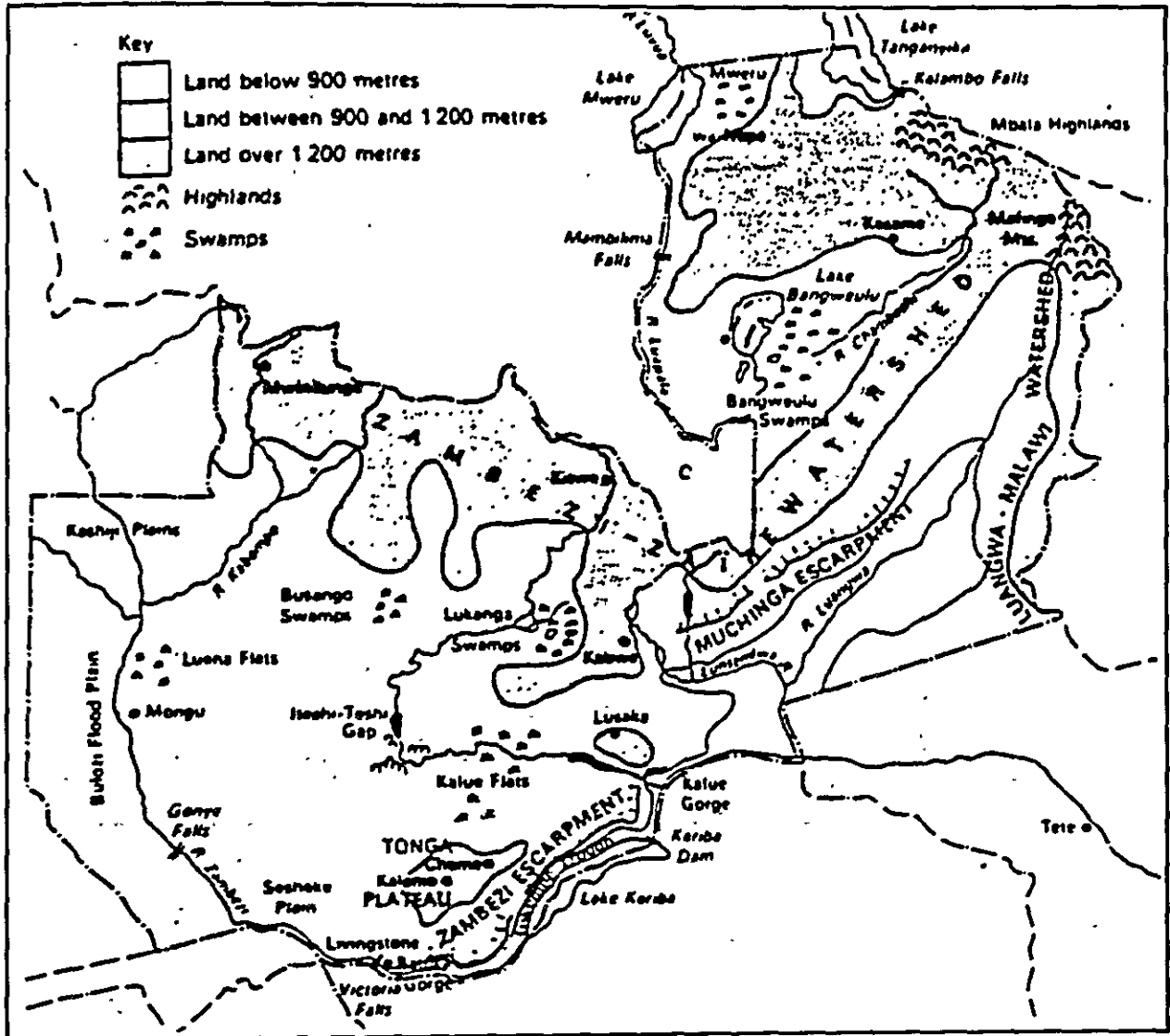


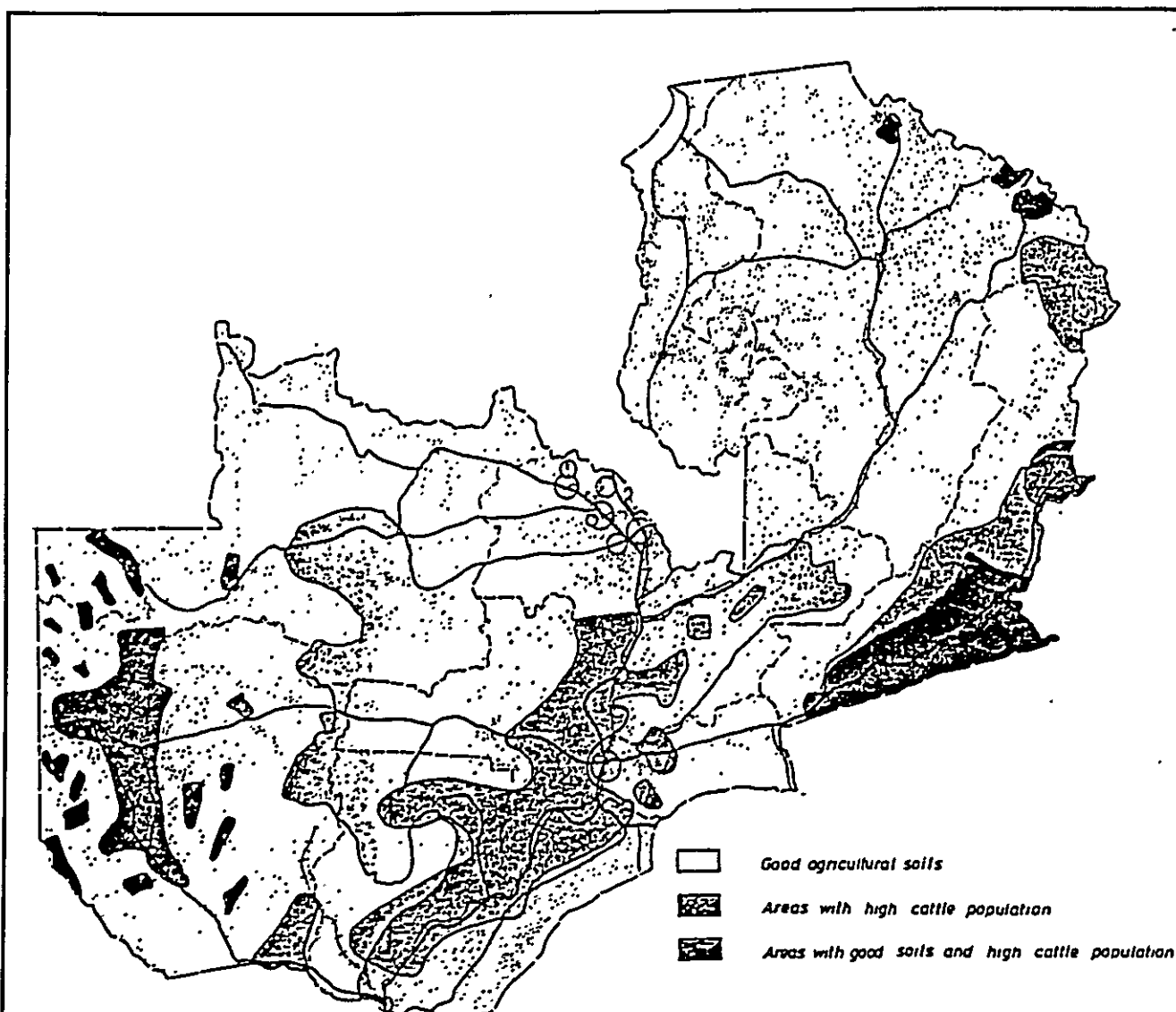
FIG. 3. SEISMOLOGICAL ACTIVITY IN ZAMBIA, PERIOD: JANUARY 1966 TO OCTOBER 1973
(Based on information supplied by Coetz Observatory; Bulawayo)

Source: Seismology in Zambia,
by J.P. Henderson, issued by
Zambia Meteorological
Department.

ザンビアの地形



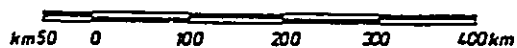
農業適正土地図



REPUBLIC OF ZAMBIA

② GOOD AGRICULTURAL SOILS AND CATTLE PRODUCTION AREAS

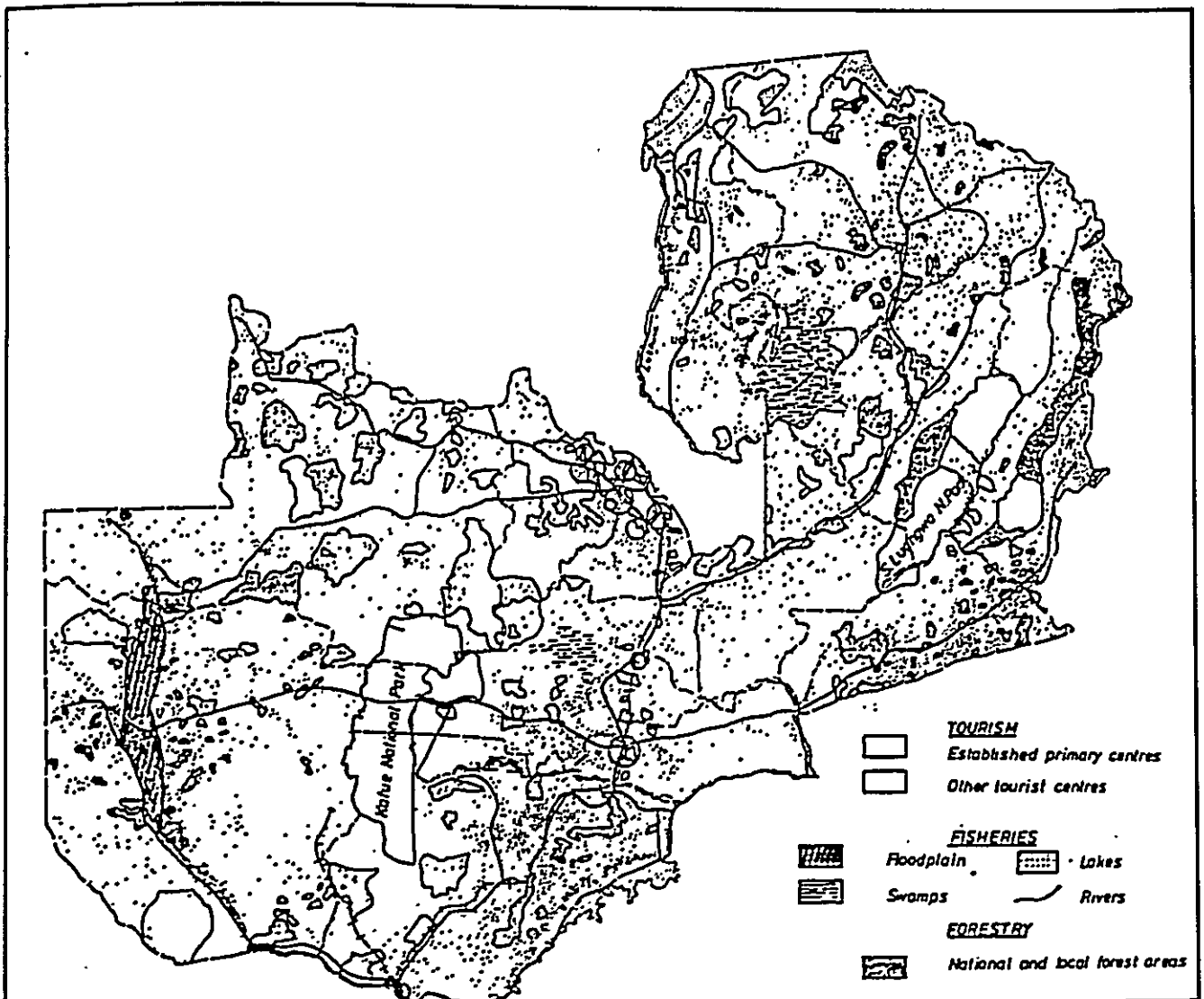
SCALE 1:500,000



- International boundary
- Provincial
- Main roads
- Other
- Railways

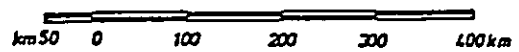
- Population
One red dot represents 500 persons
- 10,000
 - 50,000
 - 100,000
 - 200,000

Compiled and drawn by the National Commission for Development Planning



REPUBLIC OF ZAMBIA

SCALE 1:500,000



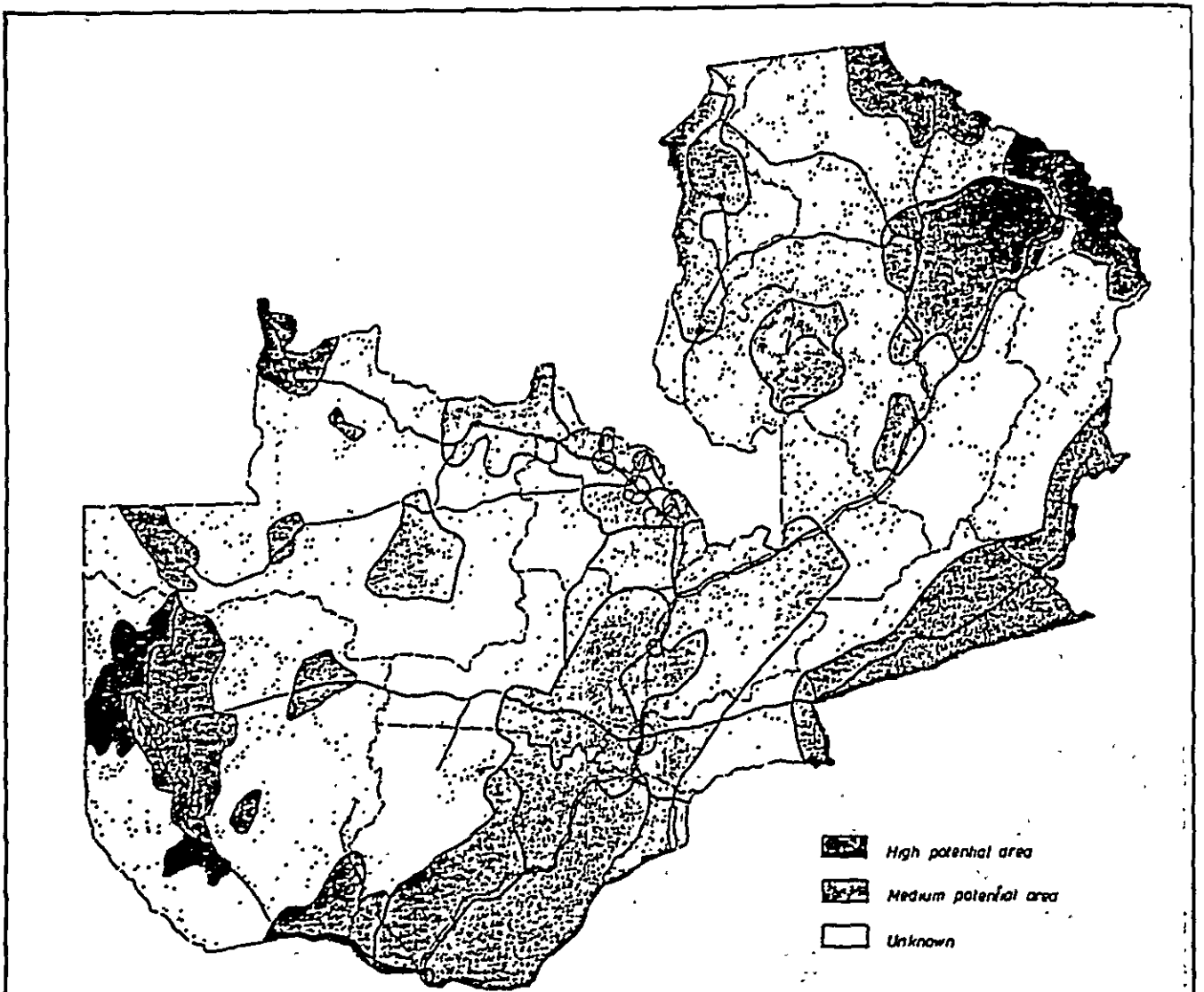
③ FORESTRY, FISHERIES AND TOURISM POTENTIAL AREAS




- International boundary
- Provincial
- Main roads
- Other
- +++++ Railways

- Population
 One red dot represents 500 persons
- --- 10,000
 - --- 50,000
 - --- 100,000
 - --- 200,000

Compiled and drawn by the National Commission for Development Planning

開發可能區域圖

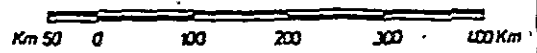







 High potential area
 Medium potential area
 Unknown





REPUBLIC OF ZAMBIA

⑧ DEVELOPMENT POTENTIAL AREAS

SCALE 1:500,000



 International boundary
 Provincial
 Main roads
 Other
 Railways

Population
 One red dot represents 500 persons
 10,000
 50,000
 100,000
 200,000

Compiled and drawn by the National Commission for Development Planning

CONSTRUCTION

民間企業建設高 (K million)

CONSTRUCTION OUTPUT OF PRIVATE CONTRACTORS
(K'million)

	Total	Buildings	Civil Engineering	Type of work		Undertaken for	
				New	Repairs	Government	Owners
1970	93.2	56.8	36.4	84.8	8.4	50.8	42.4
1971	128.1	64.5	63.6	118.8	8.9	68.8	59.3
1972	146.3	84.7	61.6	137.8	8.5	64.8	81.5
1973	141.2	69.2	72.0	128.4	12.8	54.2	87.0
1974	170.8	66.5	104.3	159.3	11.6	75.6	95.3
1975	216.8	92.3	124.5	208.4	8.4	110.1	106.7
1976	161.1	42.7	114.9	146.3	15.3	79.1	82.5
1977	156.3	47.3	109.0	149.4	6.9	78.3	78.0
1978	150.0	34.0	116.0	143.7	6.3	66.8	83.2
1979	133.0	76.5	56.5	128.2	4.8	87.0	46.0
1980	182.2	90.2	92.0	170.9	11.3	120.6	61.6
1981	143.1	46.2	93.9	136.9	6.2	53.5	89.6
1982	153.9	74.2	79.7	147.2	6.7	49.5	104.4
1983*	162.9	116.0	46.9	159.6	3.3	51.3	111.6
1984*	200.3	147.3	53.0	190.2	10.1	43.8	156.5
1982 1st Quarter	45.4	34.0	11.4	44.1	1.3	7.8	37.6
2nd Quarter	55.1	10.6	44.5	53.5	1.6	34.9	20.2
3rd Quarter	24.1	14.0	10.1	21.3	2.8	3.2	20.9
4th Quarter	29.3	15.6	13.7	28.3	1.0	3.6	25.7
1983* 1st Quarter	19.9	13.2	6.7	19.4	0.5	7.1	12.8
2nd Quarter	50.7	33.7	17.0	50.2	0.5	7.9	42.8
3rd Quarter	49.9	41.8	8.1	48.7	1.2	8.1	41.8
4th Quarter	42.4	27.3	15.1	41.3	1.1	28.2	14.2
1984* 1st Quarter	44.1	29.6	14.5	39.2	4.9	12.4	31.7
2nd Quarter	55.5	37.2	18.3	53.4	2.1	14.7	40.85
3rd Quarter	70.6	58.4	12.2	68.8	1.8	10.7	59.9
4th Quarter	30.1	22.1	8.0	68.8	1.3	6.0	24.1
1985* 1st Quarter	25.7	18.9	6.8	24.5	1.2	5.3	20.4
2nd Quarter	25.3	18.6	6.7	24.1	1.2	5.2	20.1

‡ Excluding TAZARA.

*Provisional.

主要 35 建設会社有価証券 (建設部門)

VALUE OF CONSTRUCTION WORK IN PORTFOLIO BY THIRTY-FIVE MAJOR CONTRACTORS

As at:	Value (K'million)			Representing work for†		
	Total	Buildings	Civil Engineering	Average	Buildings	Civil Engineering
1974	79.2	37.5	41.6	51 weeks	60 weeks	45 weeks
1975	95.1	46.4	48.7	51 weeks	53 weeks	50 weeks
1976	82.7	43.1	39.6	50 weeks	54 weeks	46 weeks
1977	68.0	27.7	40.8	31 weeks	37 weeks	28 weeks
1978	66.0	26.6	39.4	36 weeks	63 weeks	28 weeks
1979	36.2	19.7	16.5	16 weeks	37 weeks	10 weeks
1980	34.9	19.1	15.7	37 weeks	42 weeks	31 weeks
1981	24.7	4.0	20.8	58 weeks	25 weeks	90 weeks
1982	20.2	14.0	6.2	18 weeks	51 weeks	7 weeks
1983*	44.3	37.3	7.1	33 weeks	47 weeks	16 weeks
1984*	28.4	18.5	9.9	25 weeks	27 weeks	22 weeks
1981 31st March	29.9	4.2	25.7	106 weeks	27 weeks	206 weeks
30th June	28.2	4.9	23.3	59 weeks	28 weeks	78 weeks
30th September	20.6	3.4	17.2	34 weeks	26 weeks	35 weeks
31st December	20.3	3.3	17.0	34 weeks	18 weeks	41 weeks
1982 31st March	22.7	15.2	7.5	12 weeks	33 weeks	5 weeks
30th June	20.6	13.8	6.8	20 weeks	66 weeks	8 weeks
30th September	21.2	13.8	7.4	23 weeks	54 weeks	11 weeks
31st December	16.2	13.1	3.1	18 weeks	52 weeks	5 weeks
1983* 31st March	36.8	30.8	6.0	35 weeks	74 weeks	9 weeks
30th June	39.9	32.8	7.1	23 weeks	30 weeks	11 weeks
30th September	52.6	46.3	6.3	31 weeks	32 weeks	23 weeks
31st December	48.1	39.2	8.9	43 weeks	53 weeks	23 weeks
1984* 31st March	36.0	22.1	13.9	25 weeks	23 weeks	28 weeks
30th June	35.0	22.8	12.0	31 weeks	36 weeks	25 weeks
30th September	21.5	12.7	8.8	22 weeks	22 weeks	22 weeks
31st December	21.2	16.3	4.9	22 weeks	26 weeks	15 weeks

The thirty-five companies included carry out approximately half of all construction work in Zambia. Large civil works like hydro-electrical schemes and railway constructions have been excluded.

†Based on activity-level of the preceding quarter.

*Provisional.

出典 MONTHLY DIGEST OF STATISTICS

May/August 1986

AVERAGE URBAN RETAIL PRICES OF SELECTED COMMODITIES
(Kwacha)

Item	Unit	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985		1986		
											1985	Sept.	Dec.	March	June
Food:															
Breakfast Meal ...	50 kg	7.73	7.70	9.40	9.00	9.00	13.26	14.72	20.36	23.35	29.07	37.32	37.32	37.32	37.32
Roller Meal ...	50 kg	2.80	3.86	4.64	4.28	7.90	10.45	11.72	15.93	18.77	23.35	28.77	28.77	28.77	28.77
Bread ...	800g	0.19	0.31	0.33	0.33	0.41	0.53	0.53	0.53	0.62	1.12	0.90	1.80	1.80	1.80
Rice ...	1 kg	0.43	0.46	0.45	0.51	0.55	0.66	1.45	1.72	2.10	2.61	2.50	3.50	5.00	5.00
Plain Flour ...	1 kg	0.26	0.26	0.26	0.26	0.37	0.56	0.56	0.56	0.75	1.58	1.50	2.00	2.00	2.00
Beef Brisket ...	1 kg	1.53	1.41	1.56	1.79	2.34	2.49	3.04	4.03	4.18	5.52	5.86	6.78	7.80	8.14
Beef Topside ...	1 kg	2.24	2.42	2.69	2.69	2.87	3.40	3.63	4.81	5.07	6.68	7.14	8.03	8.99	9.50
Beef Ordinary Mince	1 kg	1.42	1.35	1.50	1.52	2.35	2.87	3.73	4.22	4.31	5.91	6.50	6.79	8.33	8.93
Pork Leg ...	1 kg	2.57	3.03	3.25	3.38	3.45	4.37	4.88	5.01	5.25	6.62	6.82	8.72	9.71	10.30
Chicken ...	1 kg	1.76	2.03	2.17	2.44	2.61	3.49	3.81	4.03	4.58	6.52	6.66	7.56	8.20	9.34
Dried Kapenta ...	1 kg	0.66	0.75	2.13	2.76	3.03	4.32	7.43	7.77	8.61	9.33	8.83	12.50	16.27	16.09
Milk ...	500ml	0.13	0.14	0.16	0.18	0.18	0.23	0.32	0.35	0.38	0.52	0.55	0.76	0.76	0.76
Eggs ...	10	0.69	0.83	0.97	0.06	1.23	1.55	1.81	1.87	2.08	2.78	2.70	3.12	3.56	3.65
Butter ...	250 g	0.43	0.49	0.49	0.56	0.60	0.98	1.15	1.60	2.43	2.91	2.96	4.53	4.58	4.58
Margarine ...	250 g	0.24	0.24	0.24	0.30	0.37	0.57	0.57	0.70	0.94	1.20	1.13	1.40	2.43	2.43
Cooking Oil ...	5 litres	4.80	4.80	4.80	5.45	8.42	8.42	8.42	10.93	15.53	22.44	25.77	27.53	30.30	30.30
Salt ...	500 g	0.10	0.12	0.12	0.12	0.12	0.14	0.16	0.23	0.46	0.66	0.65	0.93	3.24	1.55
Sugar ...	2 kg	0.72	0.88	0.83	0.83	0.83	1.09	1.20	1.46	1.66	2.10	3.24	2.29	2.42	3.50
Potatoes ...	1 kg	0.59	0.58	0.59	1.03	1.10	1.22	1.33	1.42	1.67	2.09	2.04	1.86	1.86	2.38
Sweet Potatoes ...	1 kg	0.25	0.40	0.59	0.75	0.61	0.54	0.95	1.03	0.79	1.75	1.86	3.30	4.38	1.44
Dried Bean ...	1 kg	0.69	0.73	0.85	1.50	1.55	1.53	1.82	1.89	2.40	3.10	3.03	2.28	3.04	4.28
Tomatoes ...	1 kg	0.53	0.64	0.77	0.97	0.93	1.07	1.21	1.49	1.61	1.93	1.73	1.20	1.47	2.78
Cabbage ...	1 kg	0.40	0.58	0.67	0.65	0.72	0.76	0.93	0.97	1.00	1.21	1.07	1.36	1.29	1.36
Spinach ...	1 kg	0.34	0.40	0.53	0.67	0.66	0.70	1.01	1.13	1.17	1.32	1.38	1.36	1.80	1.04
Oranges ...	1 kg	0.43	0.56	0.96	1.06	0.83	0.96	1.10	1.39	1.56	1.77	1.66	1.86	2.64	2.31
Bananas ...	1 kg	0.35	0.49	0.79	0.87	0.87	1.01	1.27	1.43	1.44	2.03	2.03	2.57	0.45	2.97
Drink and Tobacco:															
Opaque Beer (Chibuku) ...	1 Litre	0.11	0.13	0.15	0.15	0.18	0.19	0.21	0.25	0.28	0.36	0.43	0.45	0.45	0.45
Lager Beer (Mosi) ...	375 ml	0.32	0.38	0.41	0.47	0.51	0.53	0.58	0.72	0.93	1.03	1.02	1.50	1.50	1.50
Whisky (Black & White) ...	750 ml	15.83	16.50	21.63	22.38	22.72	25.33	26.30	31.73	42.30	32.20	49.25	47.25	53.95	58.95
Rothmans King Size Cigarettes ...	20	0.44	0.52	0.54	0.53	0.77	0.31	0.72	1.22	1.35	1.57	1.50	2.10	2.10	2.10
Pistones Cigarettes	20	0.33	0.36	0.33	0.41	0.43	0.55	0.50	0.32	0.94	1.09	1.06	1.32	1.32	1.32
Other Items:															
Petrol (Premium) (I)	litre	0.33	0.43	0.47	0.51	0.73	0.35	0.93	1.33	1.24	1.74	1.44	2.91	2.92	2.94

*Up to the end of 1977 the prices quoted were the official maximum retail prices. From March 1978 the prices are the actual retail prices charged.
All Average price for Lusaka only.

物價指標 (都市部、低所得層、基準值 1975 = 100)

TABLE 44—INDEX NUMBERS OF CONSUMER PRICES IN URBAN AREAS LOW INCOME GROUP, NEW SERIES, 1975—100

			All Items	Food, Beverages and Tobacco	Clothing and Footwear	Rent, Fuel and Lighting	Furniture and Household Goods	All Other Goods and Services
Weights	..	..	1,000	680	66	106	44	71
1971	..	..	75.1	73.7	72.9	85.9	75.3	75.5
1972	..	..	78.9	77.2	78.9	88.2	81.3	79.6
1973	..	..	84.0	82.6	84.6	91.6	87.3	83.3
1974	..	..	90.8	89.8	92.0	95.1	92.9	91.0
1975	...	...	100.0	100.0	100.0	100.0	100.0	100.0
1976	...	...	118.8	122.5	116.4	101.4	120.4	111.5
1977	...	...	142.3	144.8	144.8	109.4	159.0	138.0
1978	...	...	165.6	169.4	193.4	115.9	187.5	149.7
1979	...	...	181.6	184.5	226.6	119.4	213.1	163.6
1980	..	..	202.9	211.1	244.2	123.4	226.6	178.3
1981	...	...	231.3	242.7	260.7	134.2	285.5	187.2
1982	...	...	260.2	276.6	285.9	138.7	328.5	213.1
1983	..	..	311.2	333.8	317.0	152.2	460.4	261.4
1984	..	..	373.5	395.8	364.0	201.0	600.2	308.4
1985	..	..	513.3	540.0	321.1	252.6	760.7	453.3
1983								
	January	..	347.5	369.0	344.3	182.6	550.5	284.9
	February	..	353.1	372.3	345.0	193.2	591.8	285.8
	March	..	353.8	376.7	346.7	193.2	578.0	289.2
	April	...	361.1	377.9	356.4	203.8	584.6	299.7
	May	...	363.8	381.2	360.1	203.8	589.0	303.4
	June	...	369.4	389.3	363.6	204.1	594.0	303.7
	July	..	374.6	397.0	362.5	204.1	596.2	308.0
	August	..	379.1	401.8	368.1	204.7	597.3	313.1
	September	..	380.9	403.3	370.8	205.2	600.0	329.6
	October	..	383.3	405.2	377.4	205.4	605.0	321.7
	November	..	401.4	429.9	385.6	206.0	638.0	325.6
	December	..	413.9	445.8	387.7	206.3	678.2	336.5
1985								
	January	..	437.2	465.3	413.5	243.4	695.8	341.6
	February	..	451.6	478.3	449.9	244.1	727.1	354.9
	March	..	460.4	486.2	469.7	244.6	758.4	362.1
	April	..	472.6	498.3	491.7	245.3	782.1	378.2
	May	..	479.2	499.3	502.8	245.3	812.7	423.2
	June	..	487.5	505.8	525.6	246.1	821.0	438.1
	July	..	504.5	525.8	536.3	246.3	838.4	465.9
	August	..	505.4	523.9	546.2	247.8	848.9	471.7
	September	..	525.5	550.9	556.6	249.5	901.8	473.5
	October	..	569.7	601.6	571.5	264.1	933.8	542.5
	November	..	610.3	655.1	585.1	266.8	1 008.9	569.4
	December	..	655.4	690.0	604.5	287.9	1 444.5	619.0
1986								
	January	..	682.9	712.8	650.8	317.2	1,468.9	642.9
	February	..	708.2	722.8	673.6	319.7	1,601.1	653.2
	March	..	730.7	767.0	723.7	319.7	1,624.6	661.5
	April	..	738.2	769.8	733.5	320.7	1,662.8	712.7
	May	...	758.7	791.2	771.8	323.2	1,730.4	717.5
	June	...	779.9	816.2	793.3	323.9	1,796.5	734.8
	July	...	794.9	825.4	836.9	342.8	1,896.4	757.3

出典 MONTHLY DIGEST OF STATISTICS

May/August 1986

物價指標(都市部、高所得者層、基準值 1975 = 100)

TABLE 43—INDEX NUMBERS OF CONSUMER PRICES IN URBAN AREAS HIGH INCOME GROUP: NEW SERIES 1975—100

	All Items	Food, Beverages and Tobacco	Clothing, Footwear and Accessories	Rent, Fuel and Lighting	Furniture, Furnishings and Household Goods	Medical Care and Health Services	Transport and Communications	Recreation, Entertainment and Education	Other Goods and Services
Weights	1,000	360	98	195	79	15	137	63	53
1971	74.5	68.3	68.5	88.7	73.3	81.0	67.4	81.5	85.9
1972	78.7	74.6	75.1	90.1	79.6	86.0	68.0	83.9	88.8
1973	84.6	80.1	82.6	93.1	86.4	89.8	79.8	88.0	91.8
1974	92.2	89.8	91.5	95.8	93.9	94.2	89.5	95.6	95.4
1975	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1976	116.1	122.9	118.5	104.5	117.1	109.1	117.9	110.7	109.6
1977	136.8	141.9	148.1	105.8	150.0	126.7	149.9	125.7	142.1
1978	152.6	162.2	176.0	107.7	180.9	135.5	156.3	149.2	167.4
1979	169.8	172.8	212.7	113.7	204.2	144.4	181.6	182.3	189.1
1980	189.4	195.7	237.8	125.2	216.7	171.5	209.6	199.0	201.5
1981	209.1	228.6	255.9	127.8	260.8	187.3	219.1	216.0	213.0
1982	236.7	274.0	277.9	132.2	300.8	197.3	249.1	227.4	251.3
1983	278.6	328.0	315.1	144.2	382.1	230.2	296.5	268.8	313.1
1984	336.8	383.0	363.7	195.1	466.9	259.2	337.1	333.4	373.6
1985	455.0	521.6	524.1	212.4	683.1	320.7	470.4	425.5	512.5
1984 January	313.2	354.4	342.5	192.5	431.3	237.5	300.0	299.0	340.6
February	318.8	362.2	343.2	193.5	450.7	248.4	304.2	305.6	346.7
March	320.1	362.9	345.2	193.7	449.8	251.3	308.1	309.2	349.1
April	327.6	370.0	353.5	194.8	453.3	260.1	327.6	314.0	362.4
May	330.7	376.4	356.2	194.8	458.0	262.2	329.1	314.0	366.8
June	333.6	381.7	359.6	195.2	459.8	262.2	333.0	315.7	367.8
July	337.8	383.5	360.3	195.2	465.8	262.9	339.0	325.6	381.8
August	338.9	383.5	355.1	195.4	469.7	262.7	345.3	325.6	389.3
September	343.0	389.8	369.8	196.0	476.2	263.6	352.2	331.6	388.3
October	350.5	393.4	379.5	196.2	480.5	265.1	363.0	381.8	395.8
November	359.9	411.8	393.2	196.4	493.4	226.0	371.1	384.1	394.1
December	367.4	426.7	395.9	197.1	514.1	263.6	372.6	394.4	400.2
1985 January	377.7	442.6	415.8	199.6	540.0	272.3	383.1	374.9	416.2
February	393.2	466.1	444.1	200.1	577.8	270.3	403.4	376.8	428.3
March	400.0	474.0	457.8	200.6	601.6	278.5	412.2	376.8	438.3
April	408.7	487.7	479.0	201.2	616.7	281.7	411.1	388.8	455.7
May	416.2	495.7	497.3	201.2	629.6	282.8	425.2	388.8	472.8
June	423.4	503.7	525.6	201.6	637.2	300.2	499.5	388.8	482.4
July	436.6	519.6	548.0	202.0	650.7	325.8	449.0	396.3	520.7
August	441.5	520.9	549.3	202.6	678.2	330.5	453.2	422.9	529.4
September	552.5	535.5	436.6	561.7	709.6	349.5	465.5	458.5	536.9
October	503.1	575.4	585.0	243.3	736.0	367.5	576.6	475.7	580.6
November	534.4	630.7	597.9	245.5	826.7	385.4	603.0	508.7	612.6
December	572.2	679.4	628.3	248.3	993.1	403.7	632.5	548.5	676.7
1986 January	604.7	705.9	653.6	265.9	1,022.2	434.4	684.6	620.1	711.7
February	620.4	716.5	679.7	266.7	1,065.1	462.2	733.9	628.2	730.9
March	639.8	747.5	720.9	266.7	1,087.6	477.8	773.6	630.0	734.5
April	652.5	755.3	736.2	267.2	1,137.7	294.2	801.7	647.4	763.7
May	662.5	774.4	760.3	268.3	1,192.9	528.7	796.2	642.4	788.6
June	683.9	816.2	778.4	268.8	1,239.9	531.3	798.9	654.2	804.9
July	696.0	823.1	808.5	269.1	1,279.8	550.0	819.5	674.7	834.1

開發許可申請

Form T and CP 1 (Rev.)
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Registered
number of
application

D/

THE TOWN AND COUNTRY PLANNING ACT
APPLICATION FOR PERMISSION TO DEVELOP
(Paragraph 8. The Town and Country Planning Development Order)

To the.....
(Insert name and address of the planning authority)

I/We hereby apply for permission to develop as described in this application and on the attached plans and drawings.

Date..... Signature of Applicant or Agent.....

If signed by Agent state:

Name.....

Address.....

Profession.....

1. If an application in principle has previously been submitted state the registered number of the application.	.....
2. State whether subdivision is involved and if so whether permission has been applied for and give registered number of the application.	..... .....
3. (a) Stand, Lot or Farm No. 	(a)
(b) Road, District and Town	(b)
4. Applicant's name and address .. .. .	..........
5. Owner's name and address .. .. .	..........
6. If applicant is not the owner, state interest in the land, e.g. lessee, prospective purchaser, etc., and whether the consent of the owner to this application has been obtained.	..... .....
7. Describe briefly the proposed development including the purposes for which land and/or buildings are to be used.	..... ..... .....
8. State the purpose for which land and/or buildings are now used. If not now used, the purpose for which and date on which they were last used.	..... ..... .....
9. State whether the construction of a new, or alteration of an existing, means of access to or from a road is involved.	..... .....

10. If the proposed development consists only of a change of use and does not involve building operations state the exact nature of such change.	..... ..... .....
11. If the site abuts on a road junction, give details and height of any proposed walls, fences, etc., fronting thereon.	..... ..... .....
12. State method of— (a) water supply (b) sewage disposal (c) surface water disposal (d) refuse disposal	(a) (b) (c) (d)
13. Give details of any relevant easements affecting the proposals.	..... .....
14. State the— (a) area of land affected (b) area of buildings (c) percentage of site covered— (i) by existing buildings (ii) by proposed buildings.	(a) (b) (i) (ii)
15. State the materials to be used for— (a) external walls (b) roof	(a) (b)
16. If the building is to be used for more than one purpose state the floor area and nature of each use.	Ground Floor First Floor..... Second Floor..... Third Floor..... Fourth Floor.etc.....
17. If the building is to be used wholly or partly for commercial or industrial purposes state— (a) the nature of the proposed use or uses (b) the provision to be made for loading and unloading of vehicles. If for industrial use— (c) the type of process to be carried on (d) the nature and means of disposal of trade refuse or trade effluent. (e) whether it is proposed to conduct retail or wholesale sales on the premises.	(a) (b) (c) (d) (e)
18. Except in the case of a dwelling-house state what facilities for parking of vehicles are to be provided.	..... .....

SUBMISSION OF PLANS

1. All plans and drawings to be signed on every sheet by the applicant or his agent and to be drawn in permanent ink or reproduced in a clear and intelligible manner on suitable material, one copy to be on linen or other equally durable material.
2. This form, duly completed, and all plans and drawings to be submitted in duplicate unless otherwise directed.

PLANS AND DRAWINGS REQUIRED

SITE PLAN: To an appropriate scale sufficient to identify the site showing the land to which this application relates edged red and any adjoining land in the same ownership edged blue.

BLOCK PLAN: To scale of not less than 1:500, showing—

- (a) the boundaries of the land and any adjoining stand and any road fronting or adjoining those stands and its name and width;
- (b) the position of any existing or proposed building on the land;
- (c) the position of any existing or proposed boreholes, septic tanks, cesspits or cess-pools, drains or sewers or other sewage disposal plant on the land;
- (d) the position, width and gradient of any existing or proposed means of access to any road from the land;
- (e) in the case of commercial development the height of any canopy, window head or parapet on the proposed building and on any adjoining building in relation to the pavement or road level.

BUILDING PLANS: To a scale of not less than 1:100, showing—

- (a) the plan of each floor and the proposed use of each floor;
- (b) the elevation of all sides of the building;
- (c) the levels of the land and the ground floor in relation to the level of any adjoining or adjacent road.

NOTES

1. This application is for permission under the Town and Country Planning Act and does not absolve the applicant from obtaining any other consent under any law, by-law, regulation, State lease agreement, etc., that may be required.
2. The planning authority reserves the right to require any further information or additional copies of plans and drawings as it may consider necessary.

SCHEDULE 建築確認申請

City of Lusaka

APPLICATION TO ERECT A BUILDING

(FOR OFFICE USE ONLY)

Registered No. of plan _____ Date of submission _____

To the City Engineer, Civic Centre, P.O. Box 251, Lusaka

I beg to submit herewith, Plans, sections and elevations for a _____ (State if New Building, alteration, addition or sanitary reconstruction) to be used as _____ (State whether a domestic building or for what purpose this building will be used) to be executed by me on Stand No. _____ such stand having frontage to _____

Name of Street _____

Suburb _____ Owner of Stand _____

Estimated cost of new work _____ Free payable _____

Building (name and address if known) _____

Architect or Draughtsman (name and address) _____ Phone No. _____

Supervision by (name and address) _____ Phone No. _____

I also submit the following proposed means of construction and other particulars:-

External walls to be built of _____ Thickness of external walls _____

Internal and cross walls to be built of _____ Thickness of internal and cross walls _____

Mortar in walls to be composed of _____ Parts Cement. Damp proof course to be of _____

_____ Parts Lime _____

_____ Parts Sand. Antproof course to be of _____

Foundation to be of _____ parts aggregate (state type)) Thickness and widths to

_____ parts Sand) be shown on plan _____

_____ parts Matrix (state type)

Mortar in foundations (footings) to be composed of _____ Parts Cement)

_____ Parts Lime)

_____ Parts Sand)

Material of floor _____

Size of windows _____ If of steel, standard type numbers to be shown on the plan

Roof to be constructed of _____

Height of walls between floor and ceiling _____ Specify ceiling material _____

Number and Size of permanent ventilators _____ (to be shown on plan)

Water Supply from (state if Existing or New) _____

How waste to be disposed of _____

Materials of drain pipes _____

Area covered by building _____ (a)New' _____ sq.ft _____ (b)Existing _____ sq.ft.

Closet Accommodation (STATE TYPE, if water borne,) _____

Indoor (a) Existing _____ (b) New _____

Outdoor (a) Existing _____ (b) New _____

Signature of Owner or Agent _____ Date _____

Address of Owner _____

SUBMISSION OF PLANS

- (1) All drawings to be submitted in triplicate and to be made on material and of a quality approved by the Local Authority, one copy to be on opaque linen or tracing linen.
- (2) All drawings to be signed by Owner or his Agent, and the Architect.
- (3) All drawings to be accompanied by this application form in duplicate, supplied by the Local Authority, duly completed as required by the Local Authority.

DRAWINGS REQUIRED

Scales not less than one-eighth inch to one foot.

Plans of each floor or level, having thickness of wall shown in figures.

Section through building (more than one if building is large or if required by Local Authority).

Block Plan as follows: Scale not less than one inch to fifty feet.

To show stand on which buildings are to be erected together with surrounding stands in one line.

To show stands immediately adjoining and names of owners thereof.

To show buildings existing or proposed on all these stands.

To show numbers of these stands and the names of streets upon which they abut.

To indicate what materials existing buildings are composed i.e. bricks, wood and iron or stone, etc.

To show lines of drainage giving size and fall of drains, and positions of manholes.

To show level and width of the street or streets upon which the proposed buildings will abut with a reference to their ground floor level.

PLANS SCRUTINY FEES

	K n
(a) not exceeding K100	1.00
(b) exceeding K100 and exceeding K200	2.00
(c) exceeding K200 and not exceeding K1,000	4.00
(d) exceeding K1,000 and not exceeding K2,000	6.00
(e) exceeding K2,000 and not exceeding K4,000	8.00
(f) where the total estimate value exceeds K4,000 one quarter of the estimated value	

建築工事契約

建築工事契約はザンビア建築家協会、ザンビア建設業協会、ザンビア積算士協会及びザンビアコンサルティング協会の4つの協会が認可し「建設業・職能家合同委員会」が発行している建設工事契約約款によって行っている。この約款のベースは英国建王築家協会(RIBA)のStandard Form 1965に基づいている。

この約款のFormは2種あり、W/QuantitiesとWithout Quantitiesとがあり公共建築は殆どW/Quantitiesを使用している。W/Quantitiesの約款はザンビア建築家協会、英国王室積算士協会ザンビア支所、ザンビア建設業協会の認証しているザンビア標準積算方式に従って作成された数量書をもとに工事契約内容と範囲を定めている。

Dated _____ 19__

Private Edition WITH QUANTITIES
Standard Form of Building Contract
1970 Edition (Revised 1972)

Articles of Agreement

made the _____ day of _____ 19__

BETWEEN _____

of (or whose registered office is situate at) _____

(hereinafter called 'the Employer') of the one part and _____

of (or whose registered office is situate at) _____

(hereinafter called 'the Contractor') of the other part. WHEREAS the Employer is desirous of _____

(hereinafter called 'the Works') at _____

and has caused Drawings and Bills of Quantities showing and describing the work to be done to be prepared by or under

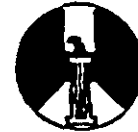
the direction of _____

of _____

_____ his Architect _____

*No stamp is required if the Contract is under hand.

†State nature of intended Works.



Agreement and Schedule of Conditions of Building Contract

between _____

and _____

This Form is issued by the
Joint Liaison Committee of the
Building Industry and Allied Professions

Under the sanction of

Zambia Institute of Architects.

Association of Building and Civil Engineering Contractors.

The Quantity Surveyors Section of the Royal Institution of
Chartered Surveyors (Zambia Branch).

Association of Consulting Engineers of Zambia.

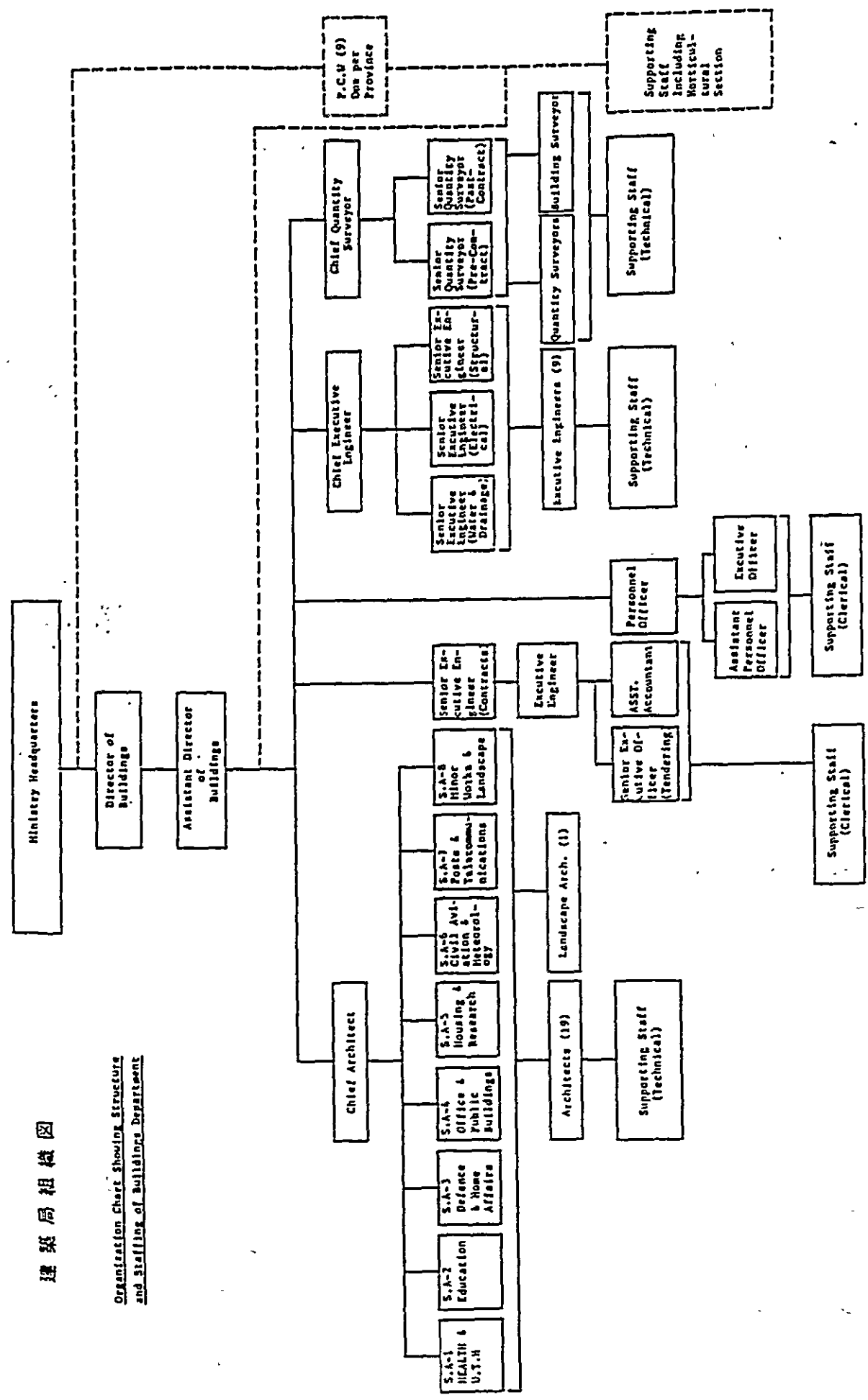
Price K2.50.

Copyright of the Zambia Institute of Architects.

Standard Form of Building Contract
Private Edition WITH QUANTITIES
1970 Edition (Revised 1972)

建築局組織圖

Organization Chart Showing Structure
and Staffing of Buildings Department



4th February 1982

建築設計及び建設組織

ザンビア国に於ける建設関係機関及び業者は以下の通りである。

JUNE 1983

LIST OF ZAMBIAN ARCHITECTS, CONSULTANTS, CONTRACTOR, MATERIAL SUPPLYERS AND RELATED AGENCIES

NAME

Standard Institute of Zambia

Zambia Institute of Architects

Zambia Electricity Supply Corporation Limited

Lusaka Urban District Council

Chief Fire Officer

Consultant Architects

Consultant Engineers

Consultant Quantity Surveyors

Building Contractors

Electrical Contractors

Plumbing Contractors

Waterproofing Contractors

Ceiling Contractors

Steel Fabrications Contractors

Suppliers (Building Materials)

(1) ザンビア国に於ける建設関係機関は次の通りである。

STANDARD INSTITUTE OF ZAMBIA

P.O. Box 50259
LUSAKA

Telephone No. 251062

ZAMBIA INSTITUTE OF ARCHITECTS

P.O. Box 34730
LUSAKA

Telephone No. 211456

ZAMBIA ELECTRICITY SUPPLY CORPORATION LIMITED

P.O. Box 33304
LUSAKA

Telephone No. 213177

a. Distribution and Supply Division (Connections)

P.O. Box 30040
LUSAKA

Telephone No. 213177

b. Engineering Services Division
(Planning and Construction)

P.O. Box 33304
LUSAKA

Telephone No. 213177

LUSAKA URBAN DISTRICT COUNCIL

City Engineers Department
P.O. Box 30251
LUSAKA

Telephone No. 218660

CHIEF FIRE OFFICER

P.O. Box 32734
LUSAKA

Telephone No. 251371

(2) ザンビア国に於ける建築設計事務所、コンサルタントエンジニア、積算事務所は次の通りである。

CONSULTANT ARCHITECTS

<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE NO.</u>
Anderson and Anderson	P.O. Box 30263 LUSAKA	217244
Architrave Limited	P.O. Box 30684 LUSAKA	213368
Erhard Lorenz Associates	P.O. Box 50079	250021
Montgomerie Oldfield Kirby Denn	P.O. Box 30721 LUSAKA	216537
Steward Neil Malenga & Associates	P.O. Box 31106 LUSAKA	216609
Peover & Cameron-Smith	P.O. Box 70762 NDOLA	2433
Pringle (Zambia) Limited	P.O. Box 33672 LUSAKA	212105
Topham Ravensdale Associates	P.O. Box 22193 KITWE	212730
Watkins Gray International/Zambia	P.O. Box 31073 LUSAKA	211529

CONSULTANT ENGINEERS

<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE NO.</u>
Nicholas O'Dwyer and Partners	P.O. BOX 30160 LUSAKA	211183/214460
ZMCK Consulting Engineers	P.O. Box 32226 LUSAKA	214491
John Burrow and Partners	P.O. Box 31923 LUSAKA	211877
Ove, Arup and Partners	P.O. Box UNKNOWN	211254/212386

CONSULTANT QUANTITY SURVEYORS

Adam Hod and Partners	P.O. Box 30610 LUSAKA	212433
Mwitumwa and Associates	P.O. Box 30614 LUSAKA	211120
Northcrofts and Tunaley	P.O. Box 30391 LUSAKA	211525
Peter Richard and Partners	P.O. Box 32518 LUSAKA	215852
J.W. Robertson	P.O. Box 75032 NDOLA	3939/3339

(3) ザンビア国に於ける建設業者、電気工事業者、設備工事業者は以下の通りである。

BUILDING CONTRACTORS

<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE NO.</u>
Lewis Construction Company (Z) Limited	P.O. Box 32056 LUSAKA	218376
Minestone (Z) Limited	P.O. Box 20354 KITWE	215922
Zambia Engineering and Contracting Company Limited (ZECCO)	P.O. Box 30306 LUSAKA	216966
Delkins Limited	P.O. Box 20621 KITWE	212411
Amlaw Boart Zambia Limited	P.O. Box 21851 KITWE	213622
Apollo Enterprises Limited	P.O. Box 32299 LUSAKA	213355

ELECTRICAL CONTRACTORS

Behrens Limited	P.O. Box 30473 LUSAKA	213412
Drake & Gorham (Z) Limited	P.O. Box 31776 LUSAKA	212523
Electrical Maintenance Lusaka Limited (EML LTD)	P.O. Box 31189 LUSAKA	211955

PLUMBING CONTRACTORS

A.W. Dewar & Partners Limited	P.O. Box 32011 LUSAKA	217380
Drake and Gorham (Z) Limited	P.O. Box 31776 LUSAKA	212523

(4) ザンビア国に於ける建築関係下請工事業者は次の通りである。

WATERPROOFING CONTRACTORS

<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE NO.</u>
Trinidad Asphalt Company (Z) Limited	P.O. Box 32421 & 30938	21794

CEILING CONTRACTORS

Bailey's Roofing (Z) Limited Roofing and Ceilings Specialists	P.O. Box 30792 LUSAKA	218730
Roofing and Ceilings Shade Control Sep		
Shade Control Specialists Limited	P.O. Box 32948 LUSAKA	211218 211234
Shonga Steel Limited	P.O. Box 30977 LUSAKA	217156
Illuminated Ceiling Limited	P.O. Box 33131 LUSAKA	217782

STEEL FABRICATIONS CONTRACTORS

Steel Fabrications Limited	P.O. Box 30355 LUSAKA	216745
All-Metal Engineering Limited	P.O. Box 31273 LUSAKA	215261
Alro Engineering Limited	P.O. Box 32739 LUSAKA	214793

(5) ザンビア国に於ける建設資材メーカー及び扱い業者は以下の通りである。

SUPPLIERS (BUILDING MATERIALS)

<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE NO.</u>
Brick and Tile Manufacture Limited (Red Briks)	P.O. Box 30338 LUSAKA	718120
Shonga Steel Limited (Reinforcement)	P.O. Box 30977 LUSAKA	217885
Zambia Steel and Building Supplies Limited	P.O. Box 31509 LUSAKA	211040
a. Timber	-	217433
b. Doors	-	218916
c. Glass	-	213356
d. Steel	-	212544
e. Hardware	-	216998
Lusaka Engineering Co., Ltd. (LENCO)	P.O. Box 33455 LUSAKA	217979
a. Steel door & window frames		
b. Electric hot water Geysers		
c. Welded wire mesh products		
T.A.P. Building Products Limited	P.O. Box 31522 LUSAKA	211705
a. Asbestos Roofing Sheets etc.		
b. Asbestos pipes		
c. Asbestos plain sheets		
d. T.A.P Boards		

各州人口

POPULATION OF PROVINCES AND DISTRICTS

Province	District	August 1980 Census			1969 Census	1985* Projected	
		Male	Female	Total	Total	Male	Female
Central ...	Kabwe Rural ...	73,499	72,796	146,295	122,570	88,155	87,520
	Kabwe Town ...	69,356	66,677	136,033	65,974	87,004	84,677
	Mkushi ...	37,040	35,150	72,190	56,992	42,492	39,421
	Mumbwa ...	42,028	41,879	83,907	60,138	50,512	49,260
	Serenje ...	35,511	37,969	73,480	52,981	42,678	44,707
	Total ...	257,434	254,471	511,905	358,655	310,841	305,585
Copperbelt ...	Chililabombwe ...	32,122	30,009	62,131	44,862	37,943	35,480
	Chingola ...	75,143	70,850	145,993	103,292	89,063	84,171
	Kalulushi ...	30,473	28,794	59,267	32,272	40,324	38,122
	Kitwe ...	165,922	154,398	320,320	199,798	208,527	195,291
	Luanshya ...	67,177	62,412	129,589	96,282	78,505	71,790
	Mufullira ...	76,682	73,387	150,069	107,802	91,047	87,190
	Ndola Rural ...	51,084	51,410	102,494	72,215	63,359	60,769
	Ndola Urban ...	143,828	137,487	281,315	159,786	187,015	182,080
Total ...	642,431	608,747	1,251,178	816,309	793,873	754,893	
Eastern ...	Chadiza ...	21,303	23,576	44,879	32,169	25,205	27,783
	Chama ...	15,792	19,567	35,359	30,887	17,116	21,172
	Chipata ...	97,435	107,303	204,738	148,416	114,152	125,497
	Katete ...	44,236	49,972	9,208	80,485	48,327	54,622
	Lundazi ...	53,114	61,539	114,653	92,247	59,957	69,143
	Petauke ...	72,263	84,804	157,065	125,311	82,420	95,313
	Total ...	304,143	346,759	650,902	509,515	347,177	393,530
Lusapula ...	Kawambwa ...	30,049	33,255	63,304	54,706	32,776	35,974
	Manisa ...	54,323	57,114	111,437	80,342	64,752	66,455
	Mwanse ...	30,849	34,703	65,552	52,974	34,805	38,844
	Nchelenge ...	38,347	41,886	80,233	56,755	45,814	49,457
	Samfya ...	47,106	53,334	100,440	90,807	49,779	56,681
	Total ...	200,674	220,292	420,966	335,584	227,928	247,411
Lusaka ...	Luangwa (Feira) ...	5,559	5,903	11,462	7,925	6,367	6,723
	Lusaka Rural ...	72,642	71,120	143,762	83,625	91,235	88,728
	Lusaka Urban ...	273,804	262,026	535,830	262,425	367,172	349,751
Total ...	352,005	339,049	691,054	353,975	464,774	445,202	
Northern ...	Chilubi ...	14,229	19,056	33,285	32,178	14,626	19,446
	Chinsall ...	31,459	34,715	66,174	58,015	34,141	37,311
	Isoka ...	43,923	50,077	93,999	77,700	49,093	53,413
	Kaputa ...	22,155	22,576	44,731	28,425	27,443	27,627
	Kasama ...	70,571	77,023	147,594	107,817	82,835	89,759
	Luwingu ...	24,670	27,926	52,596	46,986	26,501	29,762
	Mbala ...	54,304	59,631	113,935	95,633	61,330	64,306
	Mpika ...	38,841	42,450	81,291	59,378	45,726	49,286
	Mporokoso ...	19,551	21,594	41,145	38,965	20,347	22,331
	Total ...	319,703	355,047	674,750	545,096	362,042	395,241
North-Western ...	Chizera ...	4,339	4,947	9,286 (a)	9,776	4,111	4,833
	Kabompo ...	18,907	21,440	40,347	33,376	21,362	23,711
	Kasempa ...	14,435	16,171	30,606 (b)	22,880	16,965	18,860
	Mwinilunga ...	32,723	36,122	68,845	51,398	38,461	42,242
	Solwezi ...	45,644	47,129	92,773	52,979	59,486	60,409
	Zambezi ...	28,031	32,780	60,811	61,324	28,083	32,338
Total ...	144,079	158,589	302,668	231,733	168,468	182,393	
Southern ...	Choma ...	62,942	67,474	130,416	97,980	73,698	78,671
	Gwambe ...	9,748	10,918	20,666	18,491	10,405	11,649
	Kalomo ...	46,952	50,225	97,177	76,571	53,149	57,841
	Livingstone ...	36,632	34,889	71,521	49,063	43,672	43,320
	Mazabuka ...	56,660	55,598	112,258	80,051	68,118	66,133
	Monze ...	53,535	56,888	110,423	79,325	64,095	67,508
	Namwala ...	27,546	28,512	56,058	36,600	34,388	34,987
	Siavonga ...	13,983	15,650	29,633	21,231	16,788	18,606
	Siavongwe ...	20,344	23,427	43,771	36,729	22,513	25,765
Total ...	328,342	343,581	671,923	496,041	386,816	404,480	
Western ...	Kalabo ...	43,098	55,398	98,496	93,840	44,286	57,597
	Kaoma ...	32,254	37,812	70,066	50,937	37,452	44,312
	Lukulu ...	20,260	24,540	44,800	38,194	22,167	26,804
	Mongu ...	52,375	62,030	114,405	89,495	59,112	70,794
	Senanga ...	46,263	55,694	101,957	88,602	49,526	61,058
	Sesheke ...	26,934	29,797	56,731	49,019	28,928	32,700
	Total ...	221,184	265,271	486,455	410,087	241,471	293,265
Total Zambia ...	2,769,995	2,891,806	5,661,801	4,566,995	3,303,300	3,422,000	

Note—Urban populations are given in Table 3.

(a) Kalengwa Mine Township Population was added.

(b) Kalengwa Mine Township Population was subtracted.

*Using Ratio Method.

産業別労働者数 1981—1982

INDUSTRY	1981			1982					
	Total	Zambians	Non-Zambians	Total		Zambian		Non-Zambian	
				Employees	Per-centage	Employees	Per-centage	Employees	Per-centage
Agriculture Forestry, Fisheries	34,160	33,250	910	34,020	8.59	33,180	8.79	840	4.48
Mining & Quarrying	61,330	55,630	5,700	60,270	15.21	55,260	14.64	5,010	26.69
Manufac- turing	48,460	46,620	1,840	48,070	12.12	46,380	12.29	1,690	9.00
Electri- city and water	8,000	7,760	240	8,060	2.03	7,840	2.08	220	1.17
Construc- tion and Allied Repairs	45,220	42,990	2,230	42,150	10.64	40,100	10.62	2,050	10.92
*Distribu- tions, Res- taurants & Hotels	46,080	44,130	1,950	48,180	12.16	46,390	12.29	1,790	9.54
Transport & Communi- cations	22,820	21,840	980	25,350	6.40	24,410	6.47	940	5.01
Finance, Insurance	22,020	21,160	860	25,370	6.40	24,580	6.51	790	4.21
Community, Social (Personal Services)	103,800	97,930	5,870	104,750	26.45	99,310	26.31	5,440	28.98
Total	391,890	371,310	20,580	396,220	100.00	377,450	100.00	18,770	100.00
Changeover, 1980-81, 1981-82	2,810	4,620	-1,810	4,330		6,140		-1,810	

SOURCE: C.S.O. Unpublished provisional data.
Economic Report 1982

就業構造の推移

(単位：人)

EMPLOYMENT IN THE FORMAL SECTOR

INDUSTRY	1978	1979	1980	1981	1982(a)	1983(a)	1984(a)	1985(a)
All Industries	369,310	371,670	381,490	373,720	367,510	363,800	365,100	361,520
Agriculture, Forestry and Fishing	31,390	31,810	32,760	36,420	53,210	35,200	35,400	35,080
Mining and Quarrying	62,650	60,730	62,940	60,590	59,530	57,730	58,470	57,460
Manufacturing	45,880	45,510	47,640	47,880	48,400	48,790	48,200	48,490
Electricity and Water	6,950	7,700	8,270	8,000	7,870	7,750	7,850	8,210
Construction and Allied Repairs	45,020	43,650	44,420	36,540	32,900	32,110	33,610	29,250
Distribution, Restaurants and Hotels	33,270	36,360	31,750	31,280	29,800	30,310	30,250	28,210
Transport and Communication	22,110	25,270	24,450	24,530	24,140	23,880	24,000	24,200
Finance, Insurance, Real Estate and Business Services	20,990	19,910	22,520	22,440	23,150	22,100	22,410	22,590
Community, Social and Personal Services	101,050	100,730	106,740	106,040	106,510	105,930	105,000	108,030

Source: Central Statistical Office

Notes: (a) Preliminary

産業別GDP構成(基準値1970年度)(単位1000,000クワチャ)

産業形態	1979年	1980年	1981年	1982年	増減率 (1981/82)
農林漁業	146.2	156.4	176.7	157.0	- 11.2
鉱業	390.2	398.6	350.7	420.7	20.0
製造業	140.4	147.7	156.0	147.4	- 5.5
電気・ガス・水道	62.6	67.2	72.5	78.8	8.7
建設業	69.3	79.1	75.3	77.0	2.3
商業	95.4	96.1	95.9	96.0	—
ホテル・レストラン	17.6	20.2	25.5	23.4	- 8.2
運輸・通信・倉庫	62.2	64.6	62.0	60.0	- 3.2
金融	44.8	39.1	39.3	36.0	- 8.3
資産	49.4	52.1	55.5	57.0	2.7
サービス	36.2	37.3	38.9	40.0	2.8
その他	192.3	199.1	201.1	201.4	0.2
輸入関税	17.5	19.2	17.6	19.8	12.5
貸付利子	10.1	8.8	8.8	8.1	- 8.0
GDP 合計	1314.6	1367.9	1358.2	1406.4	+ 3.5

(出典：中央統計局編：統計年表)

建設資材単価指標

(1974年=100)

PRICE INDEX OF BUILDING MATERIALS, DECEMBER 31st, 1974=100
(COMMODITY GROUPINGS)

	All items	Quarry and sandpit products	Timber, wood and pulp products	Paint and allied products	Other chemical products	Cement	Clay bricks	Concrete blocks and bricks	Other non-metallic mineral products	Reinforcing steel and products	Structural metal products	Fabricated metal products	Electrical products
Weight	1,000	.072	.093	.039	.063	103	.046	.029	.092	.140	.061	.116	.144
1973	104.3	103.8	102.7	111.5	102.0	100.1	117.2	102.7	109.7	101.2	100.9	103.6	104.6
1974	125.3	118.2	117.4	121.1	113.7	150.6	136.2	117.2	145.6	110.2	121.2	121.5	124.2
1977	141.5	134.1	130.8	133.2	122.6	159.8	153.4	130.8	172.3	122.8	137.6	154.7	137.0
1978	165.3	156.6	135.4	172.4	129.6	249.3	164.7	171.6	195.2	134.0	153.3	178.6	167.1
1979	188.8	178.6	160.1	215.0	154.5	320.5	184.2	180.2	203.0	164.3	157.7	193.6	181.1
1980	205.5	182.3	164.0	233.3	165.0	382.9	192.1	200.8	221.3	149.5	152.1	220.7	176.9
1981	230.7	193.9	159.6	246.6	188.9	433.5	196.1	218.9	266.8	178.9	226.4	243.0	216.4
1982	269.4	246.2	174.9	286.8	173.0	504.6	208.6	244.9	324.1	207.2	255.9	290.4	241.8
1983	309.3	258.7	224.3	317.8	211.7	672.5	185.2	252.8	347.2	243.3	282.5	316.4	278.3
1984	342.3	296.2	238.8	361.9	244.0	652.2	189.4	267.5	407.6	226.5	355.0	395.8	303.4
↑1983 March	230.0	232.1	163.5	269.1	157.2	468.1	203.3	234.5	303.9	181.8	245.2	268.1	237.8
June	239.2	264.1	174.0	282.3	165.8	577.1	204.7	235.9	316.9	184.2	259.1	272.0	244.2
September	274.0	241.1	176.8	293.2	181.4	520.1	213.2	247.8	340.4	226.5	268.0	286.0	244.7
December	277.1	232.5	183.3	297.4	182.6	511.5	213.2	247.8	335.1	226.8	254.9	316.8	245.6
↑1983 March	286.3	243.1	240.1	314.0	199.5	530.3	181.8	239.1	319.4	236.5	262.2	271.2	260.2
June	292.4	243.1	240.1	314.0	209.2	563.1	186.3	239.1	364.0	235.6	280.3	277.5	273.6
September	326.2	265.6	203.5	314.6	218.6	735.9	186.3	266.5	387.7	250.4	294.1	356.2	284.2
December	328.3	283.1	203.6	328.7	219.6	735.8	186.3	266.5	387.7	250.8	293.5	360.8	283.2
↑1984 March	335.0	291.6	209.7	338.6	226.2	757.9	191.9	274.5	367.8	258.3	302.3	371.6	291.7
June	337.0	293.3	211.0	340.6	227.6	762.4	193.0	276.1	319.9	259.8	304.1	373.8	293.4
September	345.5	299.9	261.7	379.6	233.8	535.7	186.3	259.6	490.3	275.8	406.0	409.1	314.2
December	351.7	299.9	272.7	389.0	238.2	552.6	186.3	259.6	452.4	276.1	407.4	428.6	314.2
↑1985 March	412.7	390.9	294.8	461.8	314.1	784.1	190.0	271.1	449.3	305.2	458.3	539.1	348.8
June	454.6	421.1	325.4	492.4	322.0	817.5	192.0	319.4	590.0	327.1	500.9	632.4	398.4
September	477.3	468.2	370.0	500.0	362.1	817.5	190.0	349.4	591.9	328.4	503.2	644.7	398.4

品目別生産能力

会社名	生産品目	単位	年間生産能力	1982年6月30日4半期末			
				生産値	計画値	生産値年間生産能力(%)	生産値計画値(%)
1)CHILANGA CEMENT チランガ工場 ンドラ工場 小計	セメント	トン	—	38,408	38,200	—	101
	セメント	トン	—	39,094	44,149	—	88
	小計	トン	—	77,502	82,349	—	94
CHILANGA CEMENT チランガ工場 ンドラ工場 小計	煉瓦	トン	219,000	23,465	25,089	43	94
	煉瓦	トン	330,000	37,496	57,698	45	65
	小計	トン	549,000	60,961	82,787	44	74
2)CRUSHED STONE SALES	砂利	1000kg	204,000	20,162	38,000	40	53
	石灰	1000kg	21,600	2,811	4,500	52	62
3)LENCO	くぎ	袋	31,200	1,696	2,233	22	76
	木製ドア枠	本	135,200	22,513	27,980	67	80
	アルミ製品	本	4,680	437	1,003	37	44
	金属家具	本	23,400	4,932	5,565	84	89
4)ZSBS	ドア	本	174,960	24,710	26,460	56	93
	パーケットフロア	m ²	92,256	92,256	14,868	38	63

出典: INDECO GROUP CORPORATE PLAN 1982/83 - 1986/87

現地資材単価リスト(Kw.)

	項 目	単位	基本単価	輸 送 費	使用材料単価
1	砂	m ³	98 00	0	98 00
2	砂 利	m ³	80 00	171 45	251 45
3	ラテライト	m ³	30 00	0	30 00
4	C. B t = 200	PC	292	254	5 46
5	C. B t = 100	PC	199	127	326
6	木 材	m ³	1 660 00	171 45	1 831 45
7	仕上用木材	m ³	2 490 00	171 45	2 661 45
8	鉄 筋 加工共	ton	12 400 00	171 45	12 571 45
9	結束縄	kg	15 00	0 17	15 17
10	セメント	ton	367 00	171 45	538 45
11	半磁器タイル 150 個	m ²	160 00	2 06	162 06
12	波型スレート	m ²	32 00	4 17	36 17
13	棟押役物	m	3 500	3 21	38 21
14	破風役物	m	15 00	3 21	18 21
15	スパイダートラス	m	18 00	0 17	18 17
16	木製建具	m ²	130 00	8 23	138 23
17	タツボード t = 6m/m	m ²	24 65	2 72	27 37
18	丁 番 100 m/m	ヶア-	10 50	0 08	10 58
19	ドアチェック	PC	450 00	2 74	452 74
20	錠 前	PC	153 90	0 77	154 67
21	フラッシュボルト	PC	19 95	0 33	20 28
22	アスベストパイプ φ 350 4 m	PC	655 00	138 87	198 47/m
23	全上ジョイント φ 350	PC	129 00	10 41	139 41
24	※ワイヤーメッシュ	m ²	41 20	2 06	43 26
25	※アングル	kg	12 00	0 17	12 17
26	※スチールウインド H=1.2 -H-1.2	PC	740 00	4 444	784 44
27	※網 戸 H=1.2 H-1.2	PC	213 00	12 35	225 35
28	※ガラス	m ²	214 65	4 29	218 94
29	※面格子	kg	20 00	0 17	20 17
30	※ガソリン	ℓ	3 06	0 17	3 23
31	※軽 油	ℓ	1 96	0 17	2 13
32	※エンジンオイル	ℓ	23 00	0 17	23 17
33	アスベストパイプ φ 600 4 m	PC	1 734 00	336 04	517 51/m
34	全上ジョイント φ 600	PC	317 00	25 20	342 20

電力料金表

ZAMBIA ELECTRICITY SUPPLY CORPORATION LIMITED

INCREASE OF ELECTRICITY TARIFFS

In accordance with Section 12 of the Electricity Act, Chapter 811 of the Laws of Zambia, notice is hereby given that from 1st October, 1985 maximum demand and energy charges will be as given below. The bills based on the new charges should therefore be received by consumers in November 1985.

ENERGY TARIFF E

<u>Tariff E1 - Restricted to 5 Amperes single phase:</u>	Fixed monthly charge:	1.30 Kwacha											
	Unit charge:	3.63 Ngwee											
<u>Tariff E2 - Restricted to 15 Amperes single phase:</u>	Fixed monthly charge:	2.55 Kwacha											
	Unit charge:	3.63 Ngwee											
<u>Load Limiter Rating: Amperes</u>	1	1.5	2	2.5	3	3	5	6	7	7.5	10	12.5	15
<u>Monthly Charges - Kwacha:</u>	2.4	2.8	3.3	3.6	4.0	5.8	7.7	8.4	9.1	11.3	13.5	18.3	
<u>Tariff E3 - Domestic Only: Unrestricted single phase and up to 15 kVA three phase:</u>	Fixed monthly charge:	7.70 Kwacha											
	Unit charge:	3.63 Ngwee											

Tariff E4 - Commercial Only: Unrestricted single phase and up to 15 kVA three phase:

Fixed monthly charge:	27.70 Kwacha
Unit charge:	4.05 Ngwee

MAXIMUM DEMAND TARIFF D

<u>Tariff D1 - Maximum Demand less than 300 kVA:</u>	Fixed monthly charge:	36.00 Kwacha
	M.D. charge per kVA	
	per month :	6.18 Kwacha
	Unit charge:	2.78 Ngwee
<u>Tariff D2 - Maximum Demand from 300 to 2000 kVA:</u>	Fixed monthly charge:	690.00 Kwacha
	M.D. charge per kVA	
	per month :	5.53 Kwacha
	Unit charge:	2.33 Ngwee
<u>Tariff D3 - Maximum Demand over 2000 kVA:</u>	Fixed monthly charge:	6,900.00 Kwacha
	M.D. charge per kVA	
	per month :	4.73 Kwacha
	Unit charge:	1.40 Ngwee

Surcharges on isolated networks: Tariffs E3, E4, and D will attract surcharges as follows:

- (a) the 20% surcharge on isolated networks fed from hydro-electric sources remains unchanged.
- (b) the 150% surcharge on isolated networks fed from diesel-electric sources remains unchanged.

<u>Security Deposits:</u>	(a) Restricted supply (maximum 5 Amperes)	25.00 Kwacha
	(b) Restricted supply (over 5 Amperes)	45.00 Kwacha
	(c) Unrestricted Domestic	110.00 Kwacha
	(d) Other consumers (excluding M.D. consumers)	150.00 Kwacha

Reconnection Charge: 45.00 Kwacha

Government Sales Tax: 15 per cent

Existing consumers will be unaffected by the new deposit rates. However, in the event of a default to settle bills resulting in a disconnection, the new rates shall apply.

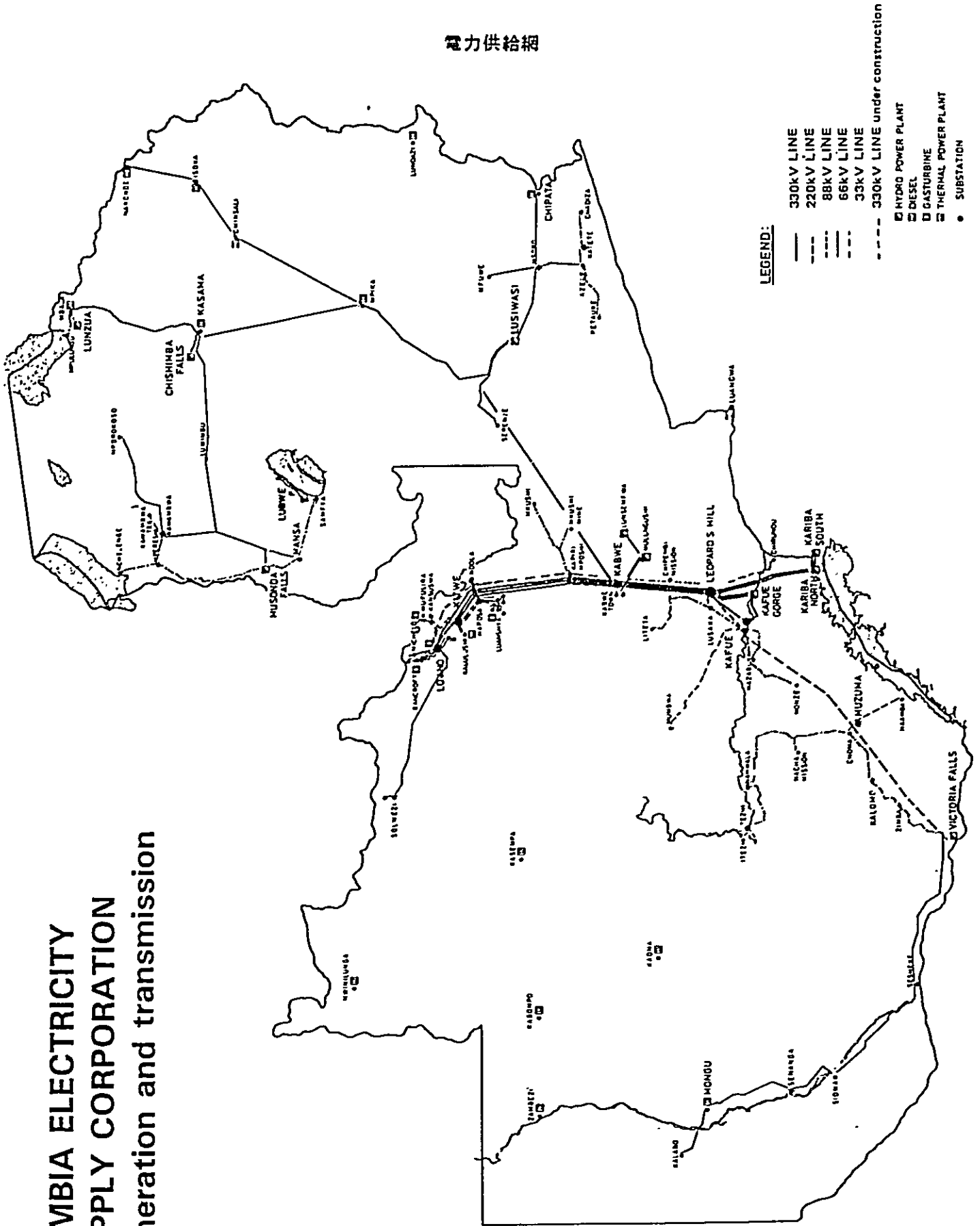
R G MITI
GENERAL MANAGER

DATE: 26 August 1985

ZAMBIA ELECTRICITY SUPPLY CORPORATION

Generation and transmission

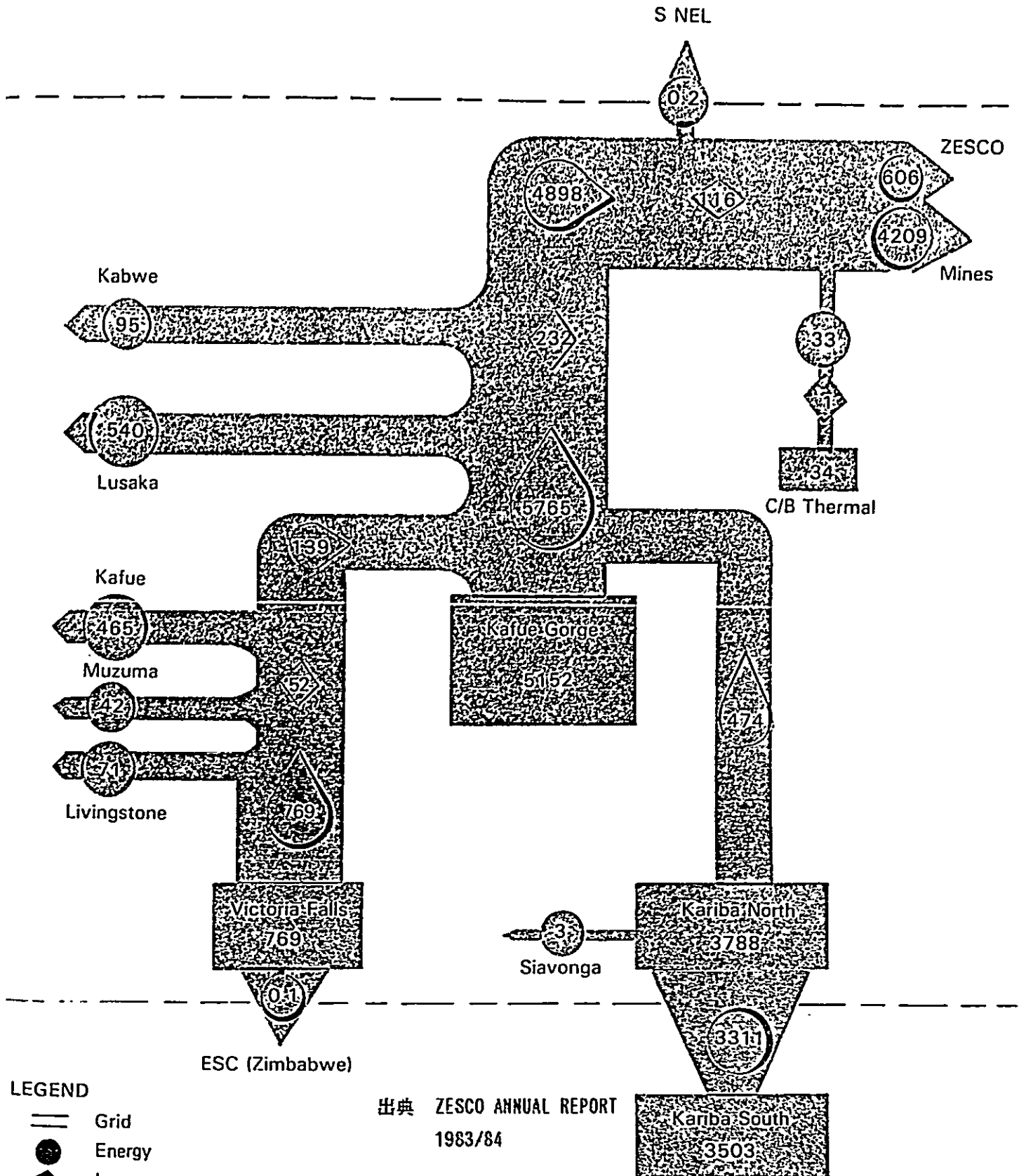
電力供給網



出典 ZESCO ANNUAL REPORT

1983/84

SYSTEM ENERGY DIAGRAM 1983/84 (GWH)



LEGEND

- Grid
- Energy
- ◆ Losses
- - - Borders
- Generating Stations
- ▼ Direction of Energy Flow

出典 ZESCO ANNUAL REPORT
1983/84

電力供給量

ELECTRICITY

SUPPLY OF ELECTRICITY

(Mill. Kw)

Year/Month	Total Supply to Consumers in Zambia (1)	Zambia Electricity Supply Corp. Ltd		Other Suppliers	Other Imports	Exports
		Supplied to Copperbelt Power Co. Ltd	Supplied to Other Areas			
		1=2+3+4+5-6	2				3	4	5	6
1974	5,508.2	4,574.3	893.6	644.4	—	404.0
1975	5,539.4	4,419.8	899.6	596.0	3.8	369.8
1976	5,805.6	4,443.1	879.2	421.0	12.0	52.4
1977	5,645.2	4,364.3	861.1	398.3	4.9	23.4
1978	5,628.6	4,102.1	1,218.0	306.8	3.1	1.4
1979	5,687.1	3,936.9	1,510.9	236.1	15.6	12.4
1980	5,828.3	4,039.1	1,548.2	242.7	8.5	18.4
1981	6,244.0	4,264.6	1,709.5	272.5	7.6	13.1
1982	6,344.0	4,253.3	1,849.4	236.2	15.9	10.8
1983	6,443.9	4,297.8	1,906.5	239.0	5.7	5.5
1984	6,404.5	4,255.2	1,927.7	219.1	9.5	7.4
1985	6,302.5	4,141.4	1,936.9	220.0	8.9	5.8
1985 July	549.1	350.0	180.8	16.7	1.6	—
August	549.3	356.6	176.2	17.7	—	1.2
September	525.8	343.8	163.9	17.6	—	0.5
October	525.2	342.9	165.8	18.7	—	2.2
November	489.2	332.4	134.6	18.9	3.3	—
December	506.7	343.7	144.1	17.0	1.9	—
1986 January	528.7	355.0	153.6	19.7	0.4	—
February	482.1	323.9	142.9	15.8	—	0.5
March	541.5	362.8	159.8	19.1	—	0.2
April	535.5	354.8	160.1	18.9	1.7	—
May	565.2	374.6	171.8	19.8	—	1.0
June	565.9	364.2	182.8	18.6	0.3	—

発電量

PRODUCTION OF ELECTRICITY IN ZAMBIA

(Mill. Kwh)

Year/Month	Total Production (2)	Copperbelt Power Company Ltd	Zambia Electricity Supply Corporation Ltd			Kariba North Bank Co. Ltd	Other
			Victoria Falls	Kafue Gorge	Other		
			1=2+3+4+5+6+7	2	3			4	5	6	7
1974	5,972.7	232.4	879.7	4,584.6	49.7	—	226.3
1975	6,191.3	246.0	843.9	4,813.1	53.2	—	236.0
1976	7,046.2	137.0	825.3	4,737.1	65.4	1,078.8	203.1
1977	8,682.7	129.4	750.5	4,266.5	69.8	2,828.7	184.1
1978	7,883.2	102.7	613.2	4,053.3	82.1	2,828.7	204.2
1979	8,772.2	54.9	609.5	4,109.8	83.1	3,733.7	181.2
1980	9,221.4	73.6	463.7	4,398.1	83.0	4,033.9	139.4
1981	9,792.8	60.3	551.3	4,924.5	91.5	3,952.7	272.6
1982	10,580.7	23.5	718.8	5,783.2	95.1	3,827.4	212.7
1983	10,071.8	31.1	774.1	5,074.7	98.5	3,885.5	207.9
1984	9,805.8	39.1	741.1	4,912.2	96.1	3,837.1	180.0
1985	10,060.7	22.1	683.9	5,342.8	50.2	3,709.7	183.7
1985 July	906.0	0.3	42.9	518.4	9.1	318.9	16.4
August	907.8	0.6	65.9	509.7	9.1	306.3	17.1
September	842.5	0.5	60.6	422.8	9.1	332.4	17.1
October	845.1	2.5	48.0	432.4	9.1	336.9	16.2
November	803.9	2.9	46.6	396.1	9.1	333.2	16.0
December	783.8	2.8	51.7	394.0	9.1	312.0	14.2
1986 January	809.8	2.7	66.7	445.4	9.1	268.9	17.0
February	764.3	0.1	63.0	445.4	8.4	231.7	15.7
March	816.4	0.6	65.0	474.1	8.4	249.8	18.5
April	794.7	1.0	63.9	470.5	8.4	233.0	17.9
May	868.0	1.5	70.8	501.6	8.4	267.4	18.3
June	887.6	0.3	67.8	529.5	8.4	263.3	18.3

(1) Power losses of approximately 4 per cent are experienced between Kariba or Kafue Gorge and the Copperbelt.

(2) Excluding works consumption.

出典 MONTHLY DIGEST OF STATISTICS

May/August 1986

自動車登録台数

MOTOR VEHICLES

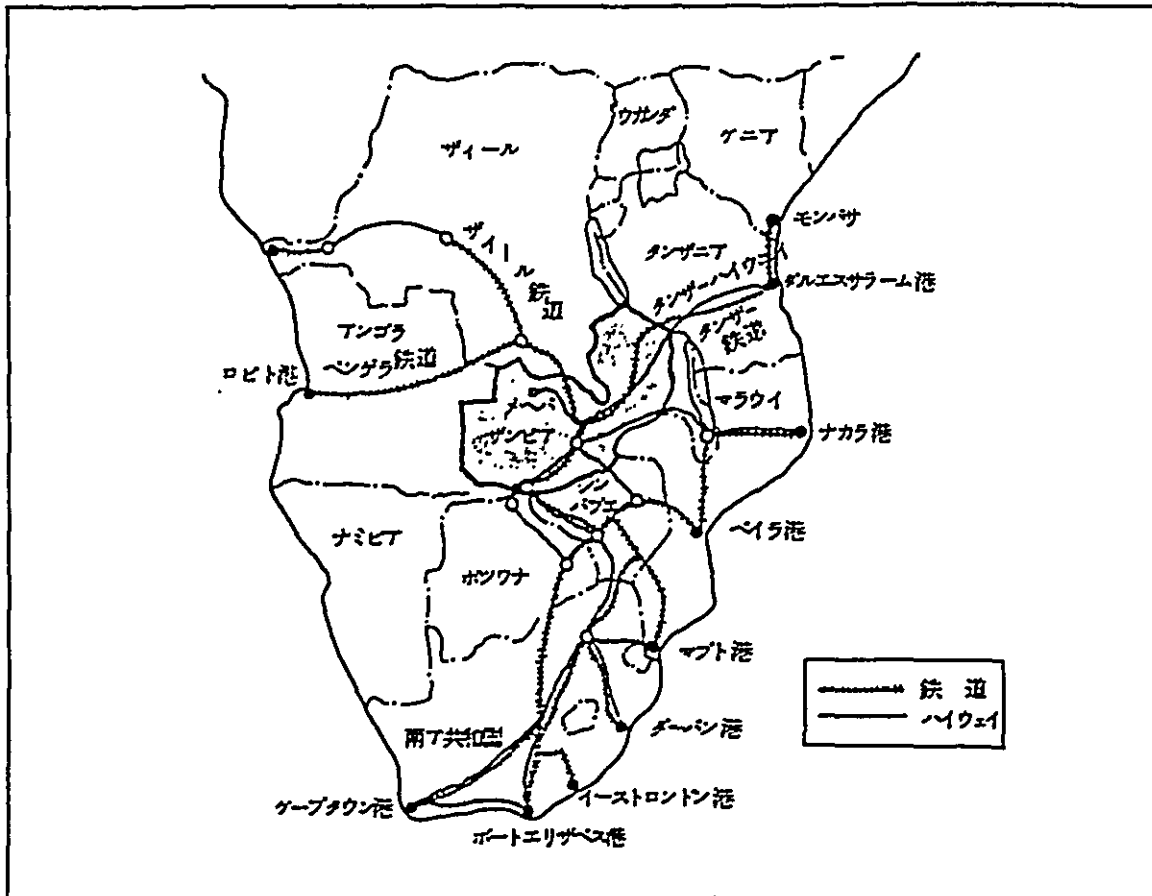
NEW REGISTRATIONS OF MOTOR VEHICLES

	Total New Vehicles	New vehicles						Vehicles used elsewhere (1) Total
		Vehicles for passenger transport		Vehicles for goods transport		Construction vehicles, tractors, etc.	Motor cycles and scooters	
		Passenger cars	Omnibuses	Vans, vanettes and ambulances	Trucks and mechanical horses			
1970	13,530	5,984	54	3,743	1,470	622	1,657	1,851
1971	16,180	6,165	152	5,042	2,349	854	1,618	1,389
1972	14,541	5,539	274	4,321	1,747	836	1,824	507
1973	12,704	5,221	304	3,505	1,654	707	1,313	653
1974	16,413	6,667	279	4,870	2,165	1,100	1,332	596
1975	14,094	6,021	383	4,045	1,275	844	1,506	467
1976	9,583	3,614	325	2,874	793	675	1,302	717
1977	5,774	2,262	153	1,472	538	771	578	310
1978	5,571	2,040	197	1,655	395	626	638	694
1979	6,857	2,078	364	2,551	828	772	264	913
1980	9,285	3,156	386	3,152	904	909	778	1,083
1981	7,036	2,280	344	2,002	863	711	836	364
1982	8,301	2,783	381	2,990	801	608	738	1,358
1983	5,312	2,128	180	1,767	514	317	406	690
1984	4,953	1,915	186	1,750	460	184	458	781
1985	4,270	1,762	356	1,209	321	281	487	477
1982 1st Quarter	1,869	526	78	670	236	179	180	345
2nd Quarter	2,195	793	104	785	175	183	155	415
3rd Quarter	2,212	740	139	794	201	140	198	401
4th Quarter	2,045	724	60	741	189	121	210	197
1983 1st Quarter	1,428	684	19	483	91	69	82	199
2nd Quarter	1,660	624	53	516	228	125	114	173
3rd Quarter	1,045	377	40	346	89	53	140	178
4th Quarter	1,179	443	68	422	106	70	70	140
1984 1st Quarter	1,527	525	32	573	145	61	191	237
2nd Quarter	854	313	10	310	110	32	79	105
3rd Quarter	1,470	605	86	537	119	39	84	257
4th Quarter	1,102	472	58	330	86	52	104	182
1985 1st Quarter	1,220	353	59	385	141	89	193	27
2nd Quarter	1,008	377	105	297	81	55	93	133
3rd Quarter	1,019	380	100	299	94	67	102	147
4th Quarter	1,023	352	92	287	105	70	101	170

(1) Re-registration of vehicles previously registered outside Zambia and brought into the country.

出典 MONTHLY DIGEST OF STATISTICS
May/August 1986

主要幹線輸送網



輸出入貨物のルート別依存度 (1983 - 1985) (単位 1000 kg)

EXPORTS AND IMPORTS BY VARIOUS ROUTES EXCLUDING CRUDE OIL IMPORTS BY PIPELINE
(METRIC TONNES)
1983 - 1985

	1983				1984				1985				
	% of total foreign trade	Exports	%	Imports	% of total foreign trade	Exports	%	Imports	% of total foreign trade	Exports	%	Imports	%
Lobito-Zaire	2.7	37,219	5.4	-	2.1	34,223	4.8	-	3.0	35,473	5.9	-	-
Dar-es-Salaam	49.0	416,891	60.1	257,713	46.9	476,309	66.1	290,990	55.4	417,958	69.6	243,624	41.0
Matawi	1.1	576	-	14,525	2.1	1,018	0.1	29,108	3.8	11,746	2.0	2,892	0.5
Mozambique	0.1	-	-	1,250	0.2	-	-	-	-	-	-	-	-
Mombasa	-	-	-	-	-	-	-	-	-	-	-	-	-
Kazungula (Botswana)	0.2	40	0.1	2,383	0.3	-	-	48,841	5.3	175	-	46,898	7.9
Zimbabwe	45.9	232,814	33.6	399,730	58.4	206,151	58.5	535,457	58.5	130,266	21.7	290,319	48.8
Airfreight	1.0	5,588	0.8	8,494	1.3	2,627	1.3	11,483	1.3	4,495	0.8	10,464	1.8
Total	100.0	693,098	100.0	684,095	100.0	720,328	100.0	915,879	100.0	600,113	100.0	594,197	100.0

Source: Contingency Planning Unit and Bank of Zambia

輸出及び輸入量

EXTERNAL TRADE

TOTAL EXPORTS AND IMPORTS
(K'000)

					Exports			Imports	Export surplus
					Total	Domestic	Re-exports		
1973	...	...	...	...	741,955	738,004	3,952	346,867	395,089
1974	...	...	...	...	905,091	900,428	4,663	506,636	398,455
1975	...	...	...	...	521,049	517,990	3,059	597,611	-76,562
1976	...	...	...	...	751,850	748,756	3,094	468,748	283,102
1977	...	...	...	...	708,016	706,406	1,610	529,970	178,046
1978	...	...	...	...	686,808	685,280	1,529	492,605	194,203
1979	...	...	...	...	1,090,006	1,087,250	2,756	593,640	496,366
1980*	...	...	...	...	1,023,276	1,020,485	2,790	876,688	146,588
1981*	...	...	...	...	936,496	929,549	6,947	924,444	12,052
1982*	..	..	..	..	950,456	945,235	5,221	929,997	-20,459
1983*	..	..	..	..	1,047,545	1,047,545	..	893,174	154,371
1984*	..	..	..	..	1,188,098	1,180,988	7,110	1,107,866	80,232
1985*	..	..	..	..	1,486,073	1,475,627	10,446	2,089,518	-603,445
1984*	January	..	..	..	78,664	78,112	552	75,341	3,323
	February	..	..	..	79,557	78,460	1,097	48,303	31,254
	March	..	..	..	89,927	89,385	542	92,239	-2,312
	April	..	..	..	48,310	47,191	1,119	89,608	-41,298
	May	..	..	..	142,704	142,512	192	69,379	73,325
	June	..	..	..	100,515	99,426	1,089	102,424	-1,909
	July	..	..	..	94,946	94,181	765	120,022	-25,076
	August	..	..	..	112,657	112,347	310	88,526	24,131
	September	..	..	..	124,555	124,518	37	105,100	19,455
	October	..	..	..	102,836	102,011	825	53,263	49,573
	November	..	..	..	106,851	106,492	359	131,413	-24,562
	December	..	..	..	106,576	106,353	223	132,248	-25,672
1985*	January	..	..	..	73,256	72,721	535	146,640	-73,384
	February	..	..	..	93,703	93,639	64	128,715	-35,012
	March	..	..	..	106,969	106,423	546	160,886	-53,917
	April	..	..	..	139,663	139,283	380	156,632	-16,969
	May	..	..	..	118,202	117,810	392	116,309	1,893
	June	..	..	..	135,294	135,244	50	169,375	-34,081
	July	..	..	..	116,547	116,019	528	165,064	-48,517
	August	..	..	..	144,077	143,729	348	131,223	12,854
	September	..	..	..	149,480	145,184	42,296	116,970	32,510
	October	..	..	..	151,792	151,549	243	250,514	-98,722
	November	..	..	..	138,763	137,507	1,256	229,454	-90,691
	December	..	..	..	118,327	116,519	1,808	317,736	-199,409
1986	January	...	...	...	131,039	129,004	2,035	403,154	-272,115
	February	...	...	...	174,033	172,779	1,254	297,702	-123,669
	March	...	...	...	192,131	191,376	755	559,202	-367,071
	April	...	...	...	211,643	211,030	613	433,109	-221,466
	May	...	...	...	250,251	248,952	1,299	289,751	-39,500
	June	...	...	...	323,435	322,359	1,076	293,031	30,404

*Preliminary.

Note: Imports and Exports data in Tables 18 to 23 are f.o.b.
Imports data in tables 18 to 23 are F.O.B.
up to September 1984, and thereafter C.I.F.

出典 MONTHLY DIGEST OF STATISTICS
May/August 1986

主要貿易國

EXTERNAL TRADE

TRADE WITH SELECTED COUNTRIES
(K'000)

	United Kingdom		South Africa		China		USA		Japan		West Germany		East African Countries	
	Total Exports	Imports	Total Exports	Imports	Total Exports	Imports	Total Exports	Imports	Total Exports	Imports	Total Exports	Imports	Total Exports	Imports
970 ...	140,074	80,559	3,682	59,097	34,067	2,168	1,442	32,902	146,459	21,809	84,151	16,478	1,708	13,081
971 ...	79,187	97,091	10,447	40,891	32,061	4,085	4,557	43,359	99,669	26,833	45,520	17,558	2,337	14,173
972 ...	107,450	94,867	10,804	59,308	12,635	9,829	2,288	35,008	110,408	38,843	45,520	21,539	1,984	9,718
973 ...	148,244	74,708	2,120	41,069	13,538	9,600	3,894	31,258	178,901	31,200	75,524	22,578	3,080	12,381
974 ...	195,793	93,433	3,413	38,716	21,930	24,311	5,289	39,652	176,345	49,571	114,736	40,949	10,480	15,448
975 ...	117,312	118,328	1,723	40,379	13,028	17,078	131	74,477	90,930	53,584	73,703	43,842	2,140	8,874
976 ...	103,728	112,341	1,804	34,999	19,041	8,959	116,371	50,728	125,873	22,065	106,021	33,602	7,204	18,964
977 ...	113,349	121,480	1,735	38,524	22,907	6,697	72,847	57,524	124,141	25,401	102,404	62,871	6,322	9,139
978 ...	99,634	122,294	800	31,476	20,625	6,284	70,101	38,679	132,021	21,832	79,285	54,700	3,019	8,238
979*	144,739	153,254	4,143	44,473	34,819	2,283	111,604	55,310	201,350	24,410	100,308	45,747	6,531	10,308
980*	140,944	194,960	3,487	136,485	28,085	5,748	114,188	60,602	169,457	43,454	84,653	60,565	6,842	12,279
981*	70,336	144,110	5,479	139,431	9,085	5,438	61,117	76,629	181,600	55,208	40,789	72,286	8,148	6,233
982*	62,992	120,381	2,755	134,631	34,228	3,061	27,786	92,702	202,635	57,733	75,414	48,911	3,981	6,431
1979*														
January	9,814	10,545	822	3,723	1,116	13	6,521	1,851	15,850	1,253	15,371	3,424	524	1,718
February	17,150	11,645	844	3,301	1,284	184	2,484	6,710	23,780	1,439	1,378	3,097	265	344
March...	21,921	11,313	276	4,970	4,388	134	7,224	5,751	24,297	1,583	10,709	3,894	942	1,113
April ...	7,432	9,559	12	3,224	4,679	298	3,193	1,884	9,073	2,381	10,659	3,785	145	448
May ...	9,344	13,941	15	4,343	1,655	54	11,713	3,076	11,847	3,417	7,695	2,873	478	477
June ...	17,747	11,601	64	3,720	824	1,137	11,023	12,575	29,580	1,272	9,432	2,334	448	825
July ...	1,490	18,570	37	5,500	280	—	9,584	5,275	15,936	6,016	7,345	4,996	885	583
August	16,712	14,907	451	8,009	10,728	63	14,754	4,802	13,083	1,189	5,287	3,764	477	1,156
September	15,394	12,133	452	8,754	2,518	72	15,361	3,087	9,334	1,403	10,691	3,274	425	931
October	8,831	14,391	87	6,361	—	168	7,423	7,990	24,616	1,900	9,272	5,558	433	579
November	5,009	13,492	887	7,117	5,344	109	10,043	3,600	3,476	1,420	6,805	4,545	809	1,577
December	13,871	11,137	216	5,440	—	50	12,257	8,688	16,451	1,138	5,644	3,002	440	1,031
1980*														
January	4,781	13,513	221	7,930	2,202	166	3,473	5,975	11,133	2,658	3,335	4,744	993	1,359
February	8,996	15,912	436	11,220	7,942	262	9,911	2,819	1,849	1,922	8,776	5,959	298	600
March ...	14,432	18,900	490	8,410	—	402	17,991	4,432	14,591	3,286	5,024	3,871	844	2,484
April ...	10,235	17,132	60	10,827	—	452	10,070	3,319	13,004	2,407	4,513	4,341	253	1,020
May ...	27,643	17,106	273	8,846	3,054	185	1,232	2,564	9,141	1,742	14,402	4,632	572	1,122
June ...	15,874	16,922	80	10,039	—	246	6,423	6,040	21,318	5,020	5,546	6,452	764	1,187
July ...	9,942	19,544	806	17,407	—	1,113	6,407	5,597	19,721	8,587	13,233	5,117	344	724
August ...	8,411	18,240	474	9,798	8,298	261	9,175	4,010	7,878	2,991	6,077	6,311	571	923
September	6,444	12,217	154	8,434	—	805	16,251	7,329	17,866	3,901	5,601	6,584	488	803
October	15,111	17,198	1,999	10,790	—	785	12,234	4,679	10,140	3,821	8,697	4,144	910	570
November	4,241	15,898	823	12,098	6,590	533	7,640	4,958	13,159	2,424	4,548	4,905	618	875
December	-10,614	14,355	300	20,434	—	839	12,340	8,879	16,456	4,746	4,882	5,883	484	618
1981*														
January	4,348	14,614	564	12,054	9,085	309	12,239	11,717	21,000	2,747	4,941	7,784	427	859
February	2,394	9,950	644	8,760	—	559	5,620	5,133	39,420	11,770	3,438	6,791	182	556
March ..	11,917	16,782	213	9,962	—	991	1,541	10,084	7,623	3,796	1,995	6,499	520	813
April ..	7,578	14,863	217	10,254	—	240	2,873	4,418	13,936	2,892	4,615	8,017	305	419
May ..	6,741	13,078	341	9,304	—	318	11,512	4,052	12,503	2,726	7,121	4,006	190	295
June ..	7,930	14,985	224	10,545	—	948	6,673	10,455	13,276	2,189	674	9,461	1,201	216
July ..	5,672	12,681	344	10,791	—	144	7	4,088	16,403	1,944	7,672	6,174	549	524
August	10,382	9,954	868	14,055	—	618	1	5,549	15,798	3,262	539	3,247	803	1,041
September	6,134	7,977	736	10,177	—	218	4,620	8,733	17,484	6,423	1,442	5,150	574	390
October	3,277	9,492	1,209	11,985	—	212	7,478	5,861	14,938	3,420	4,880	3,154	2,603	167
November	3,813	9,657	49	12,195	—	442	65	5,109	8,993	4,994	3,446	7,672	425	283
December	48	10,075	6	19,587	—	439	22	3,430	21	9,045	24	4,127	347	678
2 nd Jan	7,886	10,180	362	10,644	—	316	9,746	5,142	1,372	1,670	6,575	4,120	452	494
Feb	4,985	11,774	21	9,123	—	362	1,423	13,471	18,377	7,412	4,870	4,386	797	1,022
March	8,105	10,424	262	15,063	—	181	7,903	20,168	22,758	3,330	12,546	4,534	775	1,073
April	3,924	10,379	723	11,479	—	97	13	4,790	22,357	2,158	6,274	5,089	382	239
May	9,405	8,654	291	10,418	839	251	2,125	3,697	22,023	3,142	9,618	2,038	178	729
June	5,442	11,830	216	14,188	—	336	144	4,766	10,674	3,831	5,254	5,302	124	457
July	6,297	7,331	339	9,134	—	619	2,005	6,199	23,731	3,342	5,978	2,573	304	353
August	2,508	6,914	157	15,377	—	474	1,439	5,712	26,951	12,743	13,178	3,565	190	514
September	23	18,784	148	17,146	—	279	36	4,524	13	3,373	259	5,263	211	198
October	3,365	7,435	140	6,621	14,184	25	4	4,275	16,088	7,979	1,785	4,018	210	219
November	8,857	7,488	12	7,976	14,531	121	311	8,819	19,625	3,772	6,137	3,122	82	539
December	2,193	8,988	84	7,459	4,654	—	2,629	11,139	18,664	4,951	2,940	4,899	276	574

reliminary.

航空输送

AIR TRANSPORT

CIVIL AVIATION: PASSENGER AND FREIGHT TRAFFIC AND AIRCRAFT MOVEMENTS

	Passengers (hundreds)			Freight (hundred kg)		Mail (hundred kg)		Aircraft movements (1)			
	Embarked	Dis-embarked	Stopping in transit	Loaded	Unloaded	Loaded	Unloaded	Commercial			Private, Military and Other
								Scheduled	Non-scheduled	Total	
1970	2,561	2,561	320	19,170	82,420	3,724	4,102	14,766	7,270	22,036	76,263
1971	3,004	2,996	386	25,375	101,464	5,387	6,213	17,821	9,015	26,836	68,949
1972	2,677	2,697	364	24,070	78,985	5,328	7,303	19,071	7,494	26,565	54,604
1973	2,593	2,630	473	32,780	209,400	4,916	6,818	16,334	5,745	22,079	54,381
1974	2,532	2,754	333	31,730	238,728	5,270	8,525	15,711	7,474	23,185	49,788
1975	2,872	2,825	339	34,482	238,221	3,812	5,798	16,274	9,369	25,643	34,390
1976	3,315	3,256	178	48,705	211,850	3,295	5,080	16,862	9,773	26,635	26,168
1977	3,566	3,721	84	57,535	163,886	4,000	4,550	16,468	9,154	25,622	27,646
1978	4,015	4,203	114	68,191	144,773	3,623	4,258	18,469	8,946	27,415	24,021
1979	4,332	3,642	115	53,178	171,311	2,947	3,946	18,005	3,335	21,390	17,675
1980	3,324	3,074	109	36,790	192,116	3,362	4,839	15,963	5,748	21,571	17,415
1981	3,416	3,446	65	47,076	125,785	3,482	4,997	16,637	7,773	24,286	17,157
1982	3,284	3,417	75	32,357	119,474	2,355	5,509	16,527	8,057	24,584	18,130
1983	2,563	2,926	—	24,213	64,876	2,722	4,241	17,804	1,485	19,429	11,492
1984	2,189	3,214	72	24,365	75,250	2,309	4,294	17,783	1,565	19,348	11,687
1985	2,944	3,236	74	24,372	77,140	3,414	4,375	17,911	1,493	19,404	11,828
1977 1st Quarter	780	801	21	11,743	36,142	1,374	1,126	3,643	2,031	5,674	6,752
2nd Quarter	873	914	16	13,876	38,277	813	1,214	4,042	2,459	6,531	7,591
3rd Quarter	1,023	1,014	25	17,432	41,705	812	1,084	4,303	2,659	6,962	7,929
4th Quarter	890	992	22	14,484	47,762	1,031	1,126	4,480	1,975	6,455	5,374
1978 1st Quarter	913	990	21	12,815	46,872	730	996	4,125	2,192	6,317	7,216
2nd Quarter	1,079	1,098	35	14,633	33,780	838	1,145	4,793	2,818	7,611	6,743
3rd Quarter	1,100	1,167	32	24,751	23,238	1,026	817	5,120	2,449	7,569	6,881
4th Quarter	923	948	26	15,992	40,883	1,029	1,300	4,431	1,487	5,918	3,181
1979 1st Quarter	814	895	25	14,803	47,082	848	1,076	4,274	572	4,846	4,208
2nd Quarter	1,937	922	29	13,916	55,688	840	1,175	4,051	705	4,756	3,288
3rd Quarter	930	975	34	15,761	50,407	730	1,206	5,412	1,034	6,446	3,815
4th Quarter	1,651	850	27	8,698	8,134	529	489	4,268	1,074	5,342	6,364
1980 1st Quarter	730	694	21	8,894	41,694	701	959	3,635	1,159	4,694	4,439
2nd Quarter	866	826	19	9,531	53,478	798	1,183	4,258	1,681	5,899	4,517
3rd Quarter	889	843	50	9,502	54,682	773	1,361	3,902	1,611	5,413	4,387
4th Quarter	839	711	19	8,863	42,307	1,090	1,335	4,268	1,297	5,565	4,071
1981 1st Quarter	754	800	17	11,720	36,716	800	1,124	4,171	1,399	5,570	4,520
2nd Quarter	859	851	15	8,184	30,995	765	1,338	4,271	1,849	5,996	4,205
3rd Quarter	988	964	18	12,540	27,205	741	1,133	4,237	2,462	6,699	3,951
4th Quarter	815	821	15	14,632	30,859	1,176	1,402	3,958	2,063	6,021	4,481
1982 1st Quarter	785	920	21	31,967	10,034	1,128	545	4,032	2,016	6,048	5,214
2nd Quarter	806	837	19	30,696	7,758	1,161	580	4,449	2,272	6,721	6,040
3rd Quarter	970	884	21	7,807	30,494	536	1,146	4,183	1,858	6,041	3,533
4th Quarter	724	776	15	6,708	26,316	694	2,074	3,863	1,911	5,774	3,926
1983 1st Quarter	508	624	8	5,677	14,732	517	1,004	4,490	355	4,845	2,844
2nd Quarter	670	749	11	6,013	15,012	611	1,729	4,450	362	4,812	2,360
3rd Quarter	681	749	12	6,546	16,111	700	1,097	4,467	371	4,860	2,877
4th Quarter	704	804	25	5,977	19,021	894	1,111	4,397	397	4,912	2,911
1984 1st Quarter	732	800	16	5,122	18,111	89	1,200	4,413	391	4,794	2,906
2nd Quarter	703	801	19	5,011	19,010	799	1,099	4,459	376	4,855	2,510
3rd Quarter	721	811	18	6,113	19,112	700	1,044	4,461	399	4,860	2,931
4th Quarter	733	802	19	6,119	19,017	810	1,050	4,450	389	4,839	2,940
1985 1st Quarter	740	807	20	6,111	19,116	799	1,080	4,480	370	4,850	2,972
2nd Quarter	731	812	17	6,119	19,011	804	1,200	4,500	385	4,885	2,988
3rd Quarter	740	813	19	6,019	20,000	930	1,050	4,462	399	4,861	2,917
4th Quarter	733	804	18	6,123	19,013	811	1,044	4,469	339	4,808	2,951

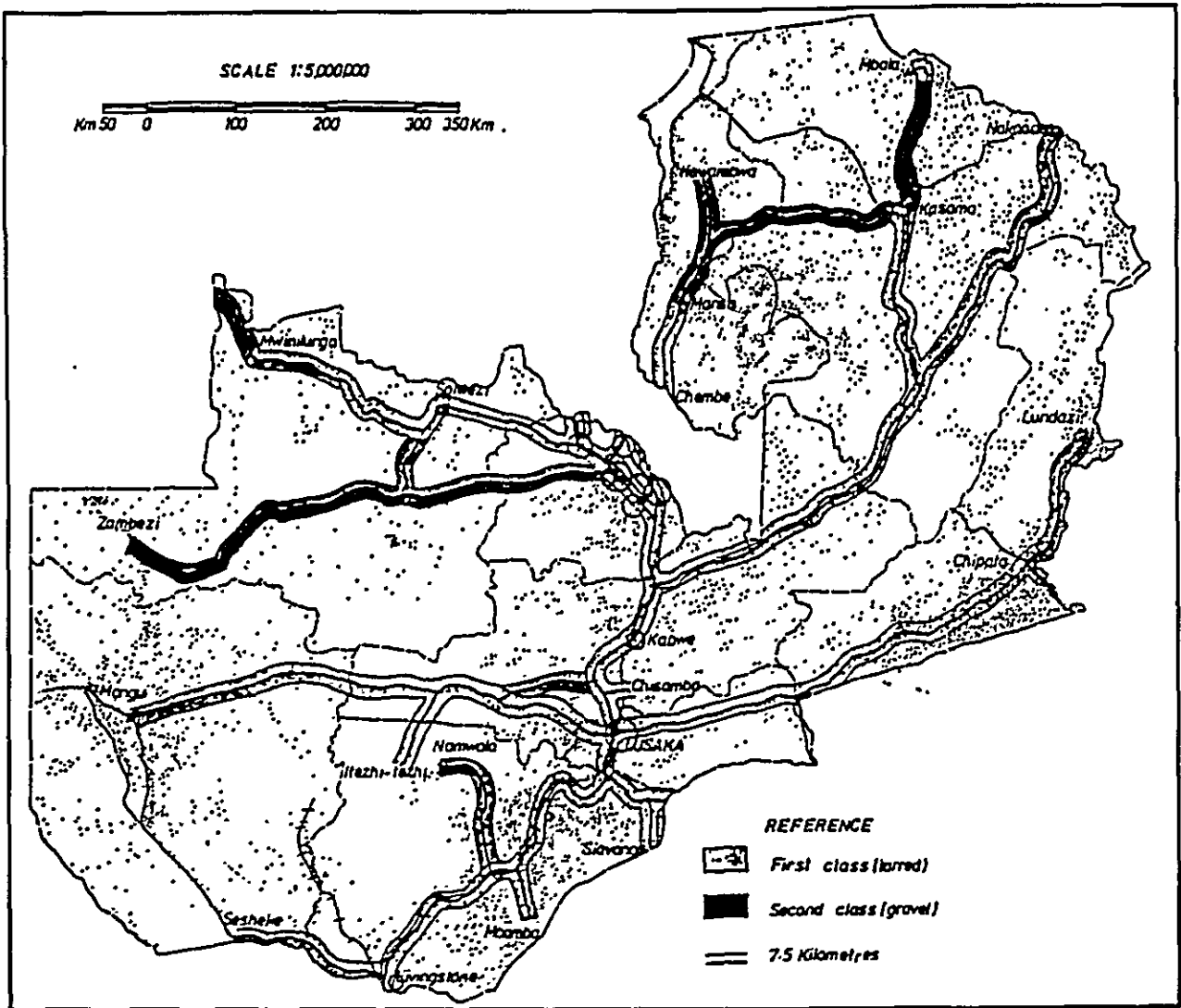
- (1) Landing and take-off each count as one movement.
- (2) Excluding Kalabo aerodrome.
- (3) Excluding Kalabo and Senanga aerodromes.
- (4) Excluding Kalabo and Sashake aerodromes.

Note—For 1964-70, the following aerodromes are included: Lusaka, Ndola, Livingstone, Mbala, Chipata, Mansa, Kasema and Mongu. From 1971 the following aerodromes are also included: Sashake, Senanga, Kalabo, Lukulu, Zambezi, Kaoma and Kitwe.

出典 MONTHLY DIGEST OF STATISTICS

May/August 1986

鋪裝道路網



輸送形態別貿易高(1983-1985)(單位1000kg)

CONTRIBUTION OF TOTAL FOREIGN TRADE BY MODE OF TRANSPORTATION (a)
(Metric Tonnes) 1983 - 1985

	1983		1984		1985	
	Total Trade	%	Total Trade	%	Total Trade	%
Road	129,123	9.4	141,417	8.6	121,899	10.2
Rail	1,234,018	89.6	1,480,680	90.5	1,057,452	88.5
Air	14,052	1.0	14,110	0.9	14,959	1.3
Total	1,377,193	100.0	1,636,207	100.0	1,194,310	100.0

Source: Contingency Planning Unit and Bank of Zambia

Note: (a) Including Lube Oil

鋪裝道路網

ROADS CLASSIFICATION BY TYPES OF SURFACE 1976-1980

Year	Total	Class I	Class II	Class III	Unclassified
		Bitumen	Gravel	Gravel	
1976	35,420	4,968	2,711	5,004	22,737
1977	35,505	5,066	3,074	4,739	22,626
1978	35,713	5,297	3,105	4,674	22,637
1979	35,804	5,487	2,564	5,252	22,501
1980	36,213	5,565	2,790	5,384	22,274

ROADS CLASSIFICATION BY MAINTAINING AUTHORITIES,
1976 - 1980

Year	Total	Roads Dept.	Local Authorities		Other Non - Govt.
			A	B	
1976	36,016	19,432	80	15,908	596
1977	36,101	19,517	80	15,908	596
1978	35,609	19,025	80	15,908	596
1979	36,400	19,816	80	15,908	596
1980	36,809	20,225	80	15,908	596

A: Cities, Municipalities and Management Boards

B: Rural Local Authorities

ROADS CLASSIFICATION BY TYPES 1976 - 1980

Year	Total	Inter Territorial	Territorial	District	Rural	Branches	Others
1976	36,816	3,099	3,776	22,823	5,714	440	164
1977	36,101	3,110	3,777	22,896	5,714	440	164
1978	36,309	3,110	3,816	23,065	5,714	440	164
1979	36,400	3,111	3,816	23,155	5,714	440	164
1980	36,809	3,112	3,816	23,563	5,714	440	164

Source: TRANSPORT and COMMUNICATIONS
STATISTICS 1980

資料収集場所

名 称	住 所	TEL
大使館 ①駐日ザンビア大使館 Embassy of the Republic of Zambia	東京都渋谷区恵比寿3-9-19 of Zambia	(455) 1041
②在ルサカ日本国大使館 Embassy of Japan	P.O.Box 34190	214661
ザンビア①中央統計局 官公庁 Central Statistical Office	P.O.Box 1908 Lusaka	
②政府出版局 Government Printer		
③内務省 Min. of Home Affairs		
④一般教育文化省 Min. of General Education & Culture		
⑤公共事業省 Min. of Works and Supply		
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