

II-9 LIST OF DATA/INFORMATION REQUIRED

The Government of Zambia will be kindly requested to prepare the following documents and statistics:

CATEGORY I (General)

1. Latest issue of "Zambia Year Book"
2. Latest issue of "Bank of Zambia"
3. "Third National Development Plan"
4. "Census of Zambia"
5. "Monthly Digest of Statistics"
6. World Bank Appraisal Report
7. Annual Budget of PTC (past 5 years)
8. Breakdown of revenue
9. Breakdown of Expenditure
10. Project Aids for Telecommunication Facilities by Foreign Countries
11. Information on Inland Transportation and roads
12. Meteorological Data in Major Cities (temperature, Humidity and Precipitation - maximum, average and minimum per month)
13. Power Supply Service Condition in the Projected Area
14. Maps of Projected Area (1/50,000 and 1/250,000, Refer to ANNEX)

CATEGORY II (Telecommunications)

15. Administrative Structure of Telecommunication Authorities and Their History
 - (1) Public Telecommunications
 - (2) Air Navigation aids
 - (3) Radio and TV Broadcasting
16. Organization of Ministry of Power, Transportation and Telecommunications, and duties of the Respective Department/Division/Section
17. Organization of Post and Telecommunications Corporation, and Duties of the Respective Department/Division/Section

18. Tariffs (Year 1970 to 1979):

- (1) Installation Charge for a telephone subscriber and monthly fixed charge
- (2) Telex Charge for subscription and monthly fixed charge
- (3) Local, long distance and international call
- (4) Local, long distance and international telegraph
- (5) Telex
- (6) Leased line
- (7) TV transmission on a microwave link

19. Traffic Data:

- (1) Traffic intensity in local exchange in each city
- (2) Traffic intensity (telephone, telegraph and telex) between each city
- (3) Traffic intensity (telephone, telegraph and telex) between each country
- (4) Average holding time of telephone, telegraph and telex

20. Information on Existing Telecommunication Facilities

- (1) Number of telephone subscribers in each city and population
- (2) Number of telephones per 100 residents in each city
- (3) Exchange system (manual, step by step, X-bar, electronic or others)
- (4) Number of subscribers, line unit in each telephone office
- (5) Name of manufactures of existing exchange and year of inauguration
- (6) Number of HF channels for each destination
- (7) VHF/UHF system
 - a. Routes
 - b. Applied transmission system
 - c. Transmission capacity
 - d. Number of systems
 - e. Used frequencies
 - f. Manufacturer and service period
- (8) Microwave System
 - The same data mentioned above
- (9) Number of toll trunk lines between each city
 - a. Subscriber toll dialling service (STD)

- b. Semi automatic service
 - c. Delay service
- (10) Multiplex circuit layout
- (11) Satellite communication system
 - a. Transmission capacity (TP and TV)
 - b. Manufacturer and operating period
- 21. Telecommunication Facilities Expansion/Grade-up Plan
 - (1) Facilities under construction
 - (2) Number of channels to be expanded
 - (3) Future plan of telephone exchange, short haul or long distance transmission system
- 22. Transmission Engineering Standards
 - (1) Loss distribution
 - (2) Noise distribution
 - (3) Numbering plan
 - (4) Hierarchy
- 23. Telephone Directories in the past 5 years
- 24. Study Report/Information of Projected Routes Carried out in the past
- 25. Annual Reports on the Telecommunication Service

CATEGORY III (Telecast and Broadcast)

- 26. Organization of Zambia Broadcasting Service, and Duties of the respective Department/Division/Section
- 27. Viewing and Listening Fee
- 28. Existing TV and Radio Facilities:
 - (1) Outline of facilities
 - (2) TV transmission standards
- 29. Number of TV and Radio Sets
 - (1) Number of owners in each city per 100 person
 - (2) Number of radio sets in each city per 100 person
 - (3) Number of TV and radio sets in whole country and per 100 person
- 30. Expansion Plan for Telecast/Broadcasting Facilities
- 31. Operating time of TV and Radio Broadcasting in a day

REQUIRED MAPS OF THE PROJECTED AREA

I SCALE: 1/50,000

1226 A-2 & 4 B-1,2,3 &4
 1227 A-1,2,3 &4 B-3 &4 C-1 &4 D-1,2,3 &4
 1228 A-3 C-1,2,3 &4 D-1, & 3
 1328 A-1,2 &4 B-1,3 &4 C-2 &4 D-1,2,3 &4
 1427 D-2 &4
 1428 A-2,3 &4 B-1,2,3 &4 C-1,2,3 &4 D-1
 1527 B-2
 1528 A-1,2,3 &4

0930 A-3 &4 B-3 C-2 D-1,2,3 &4
 0931 A-2,3 &4 C-1,2,3 &4
 1028 D-2 &4
 1029 A-1,2,3 &4 B-1,2,3 &4 C-1,2 &3
 1030 A-1,2,3 &4 B-1,2,3 &4
 1031 A-1,3,3 &4
 1128 B-1,2,3 &4

1232 D-2 &4
 1233 C-1 &3
 1332 B-1,2,3 &4 D-1 &2
 1333 A-1

II SCALE: 1/250,000

SC-35-8 (KAWAMBWA) , -12 (LUWING) , -16 (MANSA)
 SC-36-1 (MBALA) , -5 (MPOROKOSO) , -9 (KASAMA)
 SD-35-2 (SOLWEZI) , -3 (KITWE) , -4 (NDOLA) , -7 (LUANSHA) ,
 -8 (MKUSHI) , -11 (KABWE) , -12 (MULUNGASHI) , -15 (LUSAKA) ,
 -16 (RUHUNSHA)
 SD-36-2 (MWAYA) , -3 (NKHOTAKOTA) , -6 (CHIPATA)

II-10 入手資料一覽

1. BANK OF ZAMBIA
2. THIRD NATIONAL DEVELOPMENT PLAN (1979 - 1983)
3. MONTHLY DIGEST OF STATISTICS
4. ZAMBIA APPRAISAL OF A TELECOMMUNICATIONS PROJECT
5. CLIMATOLOGICAL SUMMARIES FOR ZAMBIA 1970
6. MAPS OF THE PROJECTED AREA (附紙5冊)
7. CAPITAL ESTIMATES 1981
8. SURVEY REPORTS ON LUAPULA, NORTHERN, EASTERN PROVINCES AND
CHINGOLA-SOLWEZI RADIO LINKS FOR JAPANESE FEASIBILITY STUDY
9. BLUE COVERED BOOK WHICH CONTAINS HELPFUL DATA/INFORMATION
10. TELEPHONE DIRECTORIES (PAST 5 YEARS)
11. MULTIPLEX CIRCUIT LAYOUT:
 - LUSAKA-LIVINGSTONE & SAVONGE
 - COPPERBELT, LUAPULA, NORTH WESTERN PROVINCE
 - LUSAKA-CHIPATA
 - LUSAKA-EAST AFRICA (PAN AFTEL SYSTEM)
12. BASIS FOR FEASIBILITY STUDY ON LS-CB, LUAPULA, NORTHERN
PROVINCES RADIO RELAY SYSTEM
13. ANNUAL REPORT 1975, 1976 and 1978

別 紙

入手および購入地図の番号

1. 1/50,000

No. 0 8 3 1 C-3, 4 D-1, 3
 No. 0 9 2 8 B-1, 4 D-2
 No. 0 9 3 0 A-3, 4 B-3 C-3 D-1, 2, 3, 4
 No. 0 9 3 1 A-1, 2, 3, 4 C-1, 2, 3, 4
 No. 0 9 3 2 A-4
 No. 1 0 2 8 B-3, 4 D-1, 2, 3, 4
 No. 1 0 2 9 A-1, 3, 4 B-1, 2, 3, 4 C-1, 2, 3
 No. 1 0 3 0 A-1, 2, 3, 4 B-1, 2, 3, 4
 No. 1 0 3 1 A-1, 2, 3, 4
 No. 1 1 2 8 B-1, 2, 3, 4
 No. 1 1 2 9 A-1, 2, 3, 4
 No. 1 1 3 3 A-1, 2, 3, 4 C-1, 2, 3, 4
 No. 1 2 2 6 A-2, 4 B-1, 2, 3, 4
 No. 1 2 2 7 A-1, 2, 3, 4 B-1, 3, 4 C-1, 2, 4 D-1, 2, 3, 4
 No. 1 2 2 8 A-3 C-1, 2, 3, 4 D-1, 4
 No. 1 2 3 1 D-3, 4
 No. 1 2 3 2 D-2, 4
 No. 1 2 3 3 A-1, 2, 3, 4 C-1, 3
 No. 1 3 2 8 A-1, 2, 4 B-1, 3 C-2, 4 D-1, 2, 3, 4
 No. 1 3 3 1 B-1, 2, 4
 No. 1 3 3 2 A-1, 2, 3, 4 B-1, 2, 3, 4 C-2 D-1, 2
 No. 1 3 3 3 A-1
 No. 1 4 2 7 D-2, 4
 No. 1 4 2 8 A-2, 3, 4 B-1, 2, 3, 4 C-1, 2, 3, 4 D-1
 No. 1 5 2 7 B-2
 No. 1 5 2 8 A-1, 2, 3, 4

2. 1/250,000

SC - 35 - 8 KAWAMBWA

12 LUWINGU

16 MANSA

SC - 36 - 1 MBALA

5 MPOROKOSO

9 KASAMA

SD - 35 - 2 SOLWEZI

3 KITWE

4 NDOLA

7 LUANSHYA

8 MKUSHI

11 KABWE

12 MULUNGUSHI

15 LUSAKA

16 RUFUNSA

SD - 36 - 2 NWANYA

3 NKHOTAKOTA

6 CHIPATA

Ⅱ－１１ 日本政府調査団に対して発行された
特別夜間外出許可書

11
Communications should be addressed
to the Permanent Secretary

Telephone: LUSAKA 51077 and 51233
Telegrams: TRANSWORKS, RIDGEWAY



In reply please quote:
MPTC/104/30/9

REPUBLIC OF ZAMBIA

MINISTRY OF POWER, TRANSPORT AND COMMUNICATIONS

P.O. BOX ~~XXXX~~ 50065,
LUSAKA

28th November, 1980

The Commanding Officer, Lusaka Division,
~~The Commanding Officer of Police,~~
Zambia Police,
L U S A K A.

ISSUE OF SPECIAL NIGHT PERMITS: JAPANESE
PERSONNEL ON THE MICRO WAVE LINKS PROJECT

The micro wave link project is now coming to an active stage and Lusaka/Chipata link has to be commissioned in the very near future.

The purpose of this letter is to ask you to issue special permits to enable the coming Japanese telecommunications experts to drive in the evening after 19.00 hours during the curfew.

I attach a copy of letter from the Japanese Embassy, Lusaka giving full details of the experts and their areas of operation in the Country.

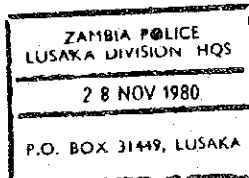
Your early attention to this matter will be appreciated.

J.K. Chanda
J.K. Chanda

for/PERMANENT SECRETARY
MINISTRY OF POWER, TRANSPORT AND COMMUNICATIONS.

c.c. The Permanent Secretary,
Ministry of Home Affairs,
L U S A K A.

c.c. The Permanent Secretary,
Ministry of Foreign Affairs,
L U S A K A.



Handwritten signature
M. G. BANDA

The Embassy of Japan in the Republic of Zambia presents its compliments to the Ministry of Foreign Affairs of the Republic of Zambia and has the honour to request the Ministry to issue special permission for driving in the evening after 19.00 hours in sensitive areas in spite of curfew order for the Pre-Survey Mission which is despatched by the Japanese Government in connection with the Micro Wave Project.

This request is made to enable the above Mission to carry out its survey in the Copperbelt, North-Western, Eastern and Southern-Provinces smoothly and unhindered.

Details of the Pre-Survey Mission on Micro Wave Project are as follows

(1) MEMBERS	PASS PORT NO.	ADDRESS
(i) Mr. Toru HASEGAWA: Assistant Director of Land Division of the Ministry of Post & Telecommunication	B 1132647	SAYAMA-CITY, SAITAMA
(ii) Mr. Tsunenatsu YANO: Radio Engineer of Land Division of the Ministry of Post & Telecommunication	B 1132646	KAMI-HUKUOKA-CITY, SAITAMA
(iii) Mr. Akio ITO: Japan International Co-operation Agency (JICA)	B 1132759	OMIYA-CITY, SAITAMA
(iv) Mr. Takashi SUZUKI: Engineer, Nippon Telecommuni- cations Consulting Co., Ltd.	B 1132757	MIDORI-KU, YOKOHAMA- CITY, KANAGAWA
(v) Mr. Muneo KURONO: Engineer, Nippon Telecommuni- cations Consulting Co., Ltd.	B 1132758	MACHIDA-CITY, TOKYO

(2) SCHEDULE

29th November, 1980	arrival at Lusaka
30th November, 1980	staying in Lusaka
1st December, 1980	
2nd December, 1980	

	A GROUP	B GROUP
3rd December, 1980	Lusaka-Copperbelt	Lusaka-Chingola-Solwezi
4th December, 1980	Ndola-Luasaka	Solwezi-Mansa
5th December, 1980	Lusaka	Mansa-Kasama
6th December, 1980	Lusaka-Livingstone	Kasama-Mbala-Kasama
7th December, 1980	Livingstone-Lusaka	Kasama-Lusaka
8th December, 1980	Lusaka - Chipata	
9th December, 1980	Chipata - Lundazi - Chipata	
10th December, 1980	Chipata	
11th December, 1980	Chipata - Lusaka	
12th December, 1980	Lusaka	
13th December, 1980	Lusaka	
14th December, 1980	Lusaka	
15th December, 1980	Departure from Lusaka by BN 212	

The Embassy of Japan avails itself of this opportunity to renew to the Ministry of Foreign Affairs of the Republic of Zambia the assurance of its highest consideration.

26th November, 1980
LUSAKA

The Ministry of Foreign Affairs
of the Republic of Zambia,
P.O. Box RW 50069,
LUSAKA

参 考 文 献

1. ジェトロ貿易市場シリーズ№194
“ザンビア” 日本貿易振興会
2. ザンビアでの体験
日本電信電話公社 米田 純
3. P T Cより提出された資料

JICA