

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
MINISTRY OF WORKS, TRANSPORT AND COMMUNICATIONS
REPUBLIC OF BOTSWANA
MINISTRY OF WORKS AND SUPPLY
REPUBLIC OF ZAMBIA

**THE FEASIBILITY STUDY
ON
THE PROPOSED KAZUNGULA BRIDGE
OVER THE ZAMBEZI RIVER
BETWEEN
THE REPUBLIC OF BOTSWANA
AND
THE REPUBLIC OF ZAMBIA**

**FINAL REPORT
APPENDICES**

MARCH 2001

NIPPON KOEI CO., LTD
ORIENTAL CONSULTANTS CO., LTD.

THE FEASIBILITY STUDY
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THE PROPOSED KAZUNGULA BRIDGE OVER THE ZAMBEZI RIVER
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**FINAL REPORT
APPENDICES**

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A. MINUTES OF MEETING

**Minutes of Meeting of the Joint Steering Committee for the
Proposed Kazungula Bridge Project and Japan International
Cooperation Agency held in Gaborone on 30-31 August 2000**

Botswana Delegation

NAME	DESIGNATION/ORGANISATION	TEL/FAX
1. Mmapula Modise	Permanent Secretary, Ministry of Works, Transport and Communications – Leader of Delegation, Chairperson	358504/313303
2. K. Skelemani	Deputy Permanent Secretary, Ministry of Works Transport and Communications	358505/313303
3. D. M. Matlakala	Deputy Attorney General, Attorney General's Chambers	354765/357089
4. M. B. Olebile	Principal State Counsel, Attorney General's Chambers	354730/357089
5. L. A. Nkaro	Acting Director of Roads	313511/314278
6. J. S. Nwako	Principal Roads Engineer	313511/314278
7. P. G. Alpajora	Bridge Engineer	31511/314278
8. C. B. Botana	Botswana Railways	411400/411377
9. V. B. Paledi	Traffic Administration Officer, Traffic Headquarters – Police	357464/357453
10. B. D. Hobona	Principal Economist, Ministry of Finance and Development Planning	350275/300379
11. P. O. Serame	Economist, Ministry of Finance and Development Planning	350262/300379
12. P. J. Gaumakwe	Foreign Affairs Officer	3600700/313366
13. P. L. Phiri	Senior Immigration Officer	3611300/352996
14. M. Gabosekwe	Planning Officer, Ministry of Works, Transport and Communications	358536/302922

Zambian Delegation

NAME	DESIGNATION/ORGANISATION	TEL/FAX
1. G. P. Nyirenda	Permanent Secretary, Ministry of Works and Supply – Leader of Delegation, Co-Chairperson	253447/254108
2. B. Nonde	Permanent Secretary, Ministry of Communications and Transport	254158/253260
3. B. Kaonga	Assistant Director-Econ, Ministry of Works and Supply	252259/253404
4. E. M. Chilundika	Acting Assistant Director-Planning, Roads Department	252321/254108
5. M. S. Mulenga	Senior State Advocate, Ministry of Legal	253935/255379

	Affairs	
6. D. P. Zulu	Transport Economist, Ministry of Communications and Transport	254063/253260
7. L. Nyambe	First Secretary, Zambia High Commission, Gaborone	351951/353952

Zimbabwean Delegation

NAME	DESIGNATION/ORGANISATION	TEL/FAX
1. N. Kudenga	Director of Roads, Ministry of Transport and Communications-Leader of Delegation	726726/702421
2. E. Tendele	Acting Deputy Director-Planning and Design-Ministry of Transport and Communications	708641/702421
3. D. Musana	Chief Engineer-Bridges – Ministry of Transport and Communications	708863/702421
4. E. Mafemba	Zimbabwe High Commission, Gaborone	314495/ 305863

Japanese Delegation

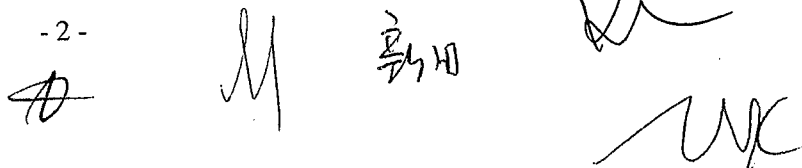
NAME	DESIGNATION/ORGANISATION	TEL/FAX
1. Atsushi Nitta	Leader of JICA Advisory Team	81-78-291-1069
2. Ryo Nakatani	JICA Advisory Team	81-6-63449923
3. Koji Enomoto	Team Leader JICA Study Team	81-3-5276-3871
4. Masaaki Tatsumi	JICA Study Team	81-3-3409-7251
5. Katsuyoshi Matsuda	JICA Study Team	As above
6. Atsushi Morioka	JICA Study Team	As above
7. Kimikazu Sano	Embassy of Japan	012-342-2103
8. Haruyuki Shimada	JICA Tokyo	81-3-5352-5213
9. Satoshi Miura	JICA Botswana office	267 – 312176
10. Barbara Motshwari	JICA Botswana	267 - 312176

Agenda

30 AUGUST 2000

1. Welcome Remarks by Botswana
2. Remarks by Zambia
3. Remarks by Zimbabwe
4. Remarks by JICA
5. Minutes of meeting held on 17-18 February 2000 in Livingstone, Zambia
6. Matters arising from the minutes
7. Presentation of Inception Report – Consultant
8. Discussion of Inception Report

1230HRS - LUNCH



2. Remarks by Zambia
3. Remarks by Zimbabwe

31 AUGUST 2000

0900HRS-1230HRS - MEETING OF JOINT STEERING COMMITTEE AND JAPANESE INTERNATIONAL CO-OPERATION AGENCY

1. Opening Remarks by Chairperson
2. Discussion of Inception Report
3. Conclusions
4. Date of Next Meeting

1230HRS - LUNCH

1430hrs – Preparation of Minutes

1530hrs - Discussion of Minutes

1ST SEPTEMBER 2000

1000hrs - Signing of Minutes

1. Adoption of the Agenda

The meeting adopted the agenda with the amendment that the meeting of the Joint Steering Committee scheduled for the afternoon of 30 August 2000 be dropped from the agenda and be replaced by Item (8) "Discussion of Inception Report".

2. Purpose of the Meeting

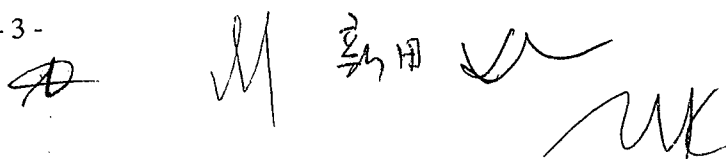
The purpose of the meeting was to present and discuss the Inception Report.

3. Welcome Remarks by Chairperson

The Chairperson welcomed the three delegations to the meeting and introductions by delegates were made.

4. Remarks by Zambia

The leader of the Zambian delegation thanked the Government of Botswana for hosting the meeting. The meeting recognised the presence of the Permanent Secretary, Ministry of Communications and Transport from Zambia whose presence will enable the meeting to conclude some outstanding issues. He also

The bottom of the page features several handwritten signatures and initials. From left to right, there is a signature that appears to be 'D', followed by a stylized 'M', then the Chinese characters '李' and '田', a signature that looks like 'W', and finally a large signature that appears to be 'MK'.

said Namibia had given their apologies but gave the green light and pledged their support for the Project.

5. Remarks by Zimbabwe

The leader of the Zimbabwean delegation thanked the Government of Botswana for hosting the meeting. He said Zimbabwe supports the Project because it would increase trade in the area. He also said the Bridge would assist in diverting traffic from the Southern and Western parts of Zimbabwe to Zambia instead of going through Chirundu.

6. Remarks by JICA

The leader of the JICA Study Team said they are in two delegations, namely JICA Advisory Team and JICA Study Team. He said he hoped they would have a successful outcome of the Feasibility Study.

7. Presentation of Inception Report – JICA Study Team

7.1 The JICA Study Team submitted fifty (50) copies of the Inception Report to the meeting for distribution and discussions. The Chairperson called upon the JICA Study Team to present the Inception Report.

7.2 The highlights of the presentation are as follows:

7.2.1 JICA sought good cooperation from the members to facilitate smooth execution of the study

7.2.2 Confirmation of the border points and posts was critical



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7.2.3 Choice of bridge location is limited because of the multiple international boundaries

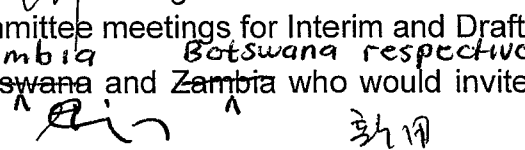
7.2.4 Between the period August 2000 to March 2001, the Study Team would submit the Interim, Draft Final and Final Reports. The following is the schedule for submission of reports:

- Interim Report – middle of October 2000
- Draft Final Report – beginning of 2001
- Final Report – middle of March 2001

8. DISCUSSION OF INCEPTION REPORT

8.1 The JICA Study Team Leader was requested to explain some of the terminologies used in the Inception Report which he did to the satisfaction of the meeting. Clarifications were sought as to why two traffic forecast review periods were provided for in the report namely 2010 and 2015. It was explained that these were necessary for the sake of establishing traffic growth rates and trends. The traffic forecast year would still be 2015 as provided for in the Scope of Works.

8.2 The JICA Study Team informed the meeting that the preliminary hydrological survey had already been conducted by a previous JICA Study Team.

8.3 The Joint Steering Committee meetings for Interim and Draft Final Reports would be arranged by ^{Zambia} Botswana and ^{Botswana} Zambia who would invite Namibia and Zimbabwe. 

8.4 The basic concept of the border facilities shall be based on the SADC's guidelines if available. The border facility expert of the JICA Study Team will consider these guidelines and other related standards and regulations for establishing the control system and design.

8.5 The JICA Study Team confirmed that office space had been allocated to them both in Lusaka and Livingstone in Zambia.

8.6 Discussions were still underway between the JICA Study Team and the Department of Roads in Botswana for office to be provided to them in Gaborone and, if necessary, Kasane.

8.7 The JICA Study Team requested the Government of Botswana and Government of Zambia to formally communicate to them two names respectively of the counterpart personnel on the study.

8.8 The meeting agreed that the counterpart personnel were to undertake both field work and desk work together with the JICA Study Team throughout the course of the study. Expenses for the counterpart personnel would be borne by the respective Governments. The JICA Study Team agreed to prepare the job description for the counterpart staff.

8.9 The identity cards for the team were to be arranged by the respective countries

8.10 The representative from the JICA Advisory Team informed the meeting that a formal request for counterpart training in Japan had been conveyed to the Government of Japan. However, the meeting requested the representative to provide a formal response from the Government of Japan. He further advised that Botswana and Zambia should submit application forms for counterpart training through the JICA resident offices in Pretoria Lusaka respectively.

8.11 Botswana undertook to send five (5) copies of the Inception Report to Namibia.

8.12 The meeting wanted to know how the transfer of knowledge and technology was going to be measured. The JICA Study Team clarified that this was to be done through two methods:-

- i) Day to day collaboration between the JICA Study Team and the counterpart personnel
- ii) Scheduled seminars

8.13 Concerns were raised that Item 16 - Natural Conditions Survey, should be reflected prior to Item 15 – Preparation, submission and discussion of the Interim Report because the selection of the optimal alternative could only be done after conducting a Geo-technical Survey. It was agreed to also reflect item 16 – Natural Condition Survey under Item 6 Hydrological and Hydraulic investigation.

8.14 The three countries confirmed that they were still using their local standards and specifications and suggested that they be part of the study material. The countries also confirmed that they were in possession of the draft SATCC standards and specifications and these could be made available to JICA Study Team.

8.15 It was agreed that provisions for Axle Load Control at the project site on the Zambian side, which had been omitted in the Inception Report should be included.

8.16 There were discussions on the threshold values for the Economic Internal Rate of Return to be used in determining the economic viability of the project. The JICA Study Team agreed to consider using multi-criteria analysis on the study.

8.17 It was confirmed that the bridge could be tolled subject to the modalities of project financing.

8.18 A brief job description for each of the JICA Study Team members must be prepared by the JICA Study Team.

9. MINUTES OF THE MEETING OF 17-18 February 2000

The meeting noted that Minutes have already been approved as they are signed.

Matters arising from the minutes:

5.1 Maps from the four (4) countries required by JICA.

5.4 Botswana will urgently consult the SADC Secretariat on circulation of notes on the project to all member states.

6.2 Zimbabwe confirmed that security arrangements are made with the Ministry of Home Affairs upon arrival of the JICA Study Team.

6.3 Office space requested by JICA was confirmed. It was agreed that JICA would provide their own vehicles.

6.5 The meeting noted that the names of contact persons as follows:

Botswana - Ms. Judith Nwako, Principal Roads Engineer, Roads Department,
Tel: 313511.

Zambia – Ms. B. Kaonga, Assistant Director-Econ, Ministry of Works and Supply,
Tel: 2522321

Zimbabwe – Mr. E. Tendele Acting Deputy Director – Planning and Design
Tel: 708641

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Signed:



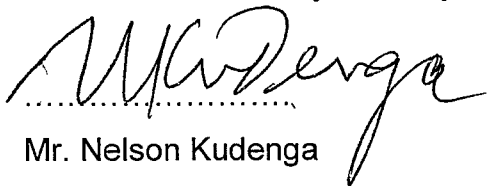
Mrs. Mmapula Modise

Permanent Secretary, Ministry of Works, Transport and Communications -
Botswana



Mr. Gerald P. Nyirenda

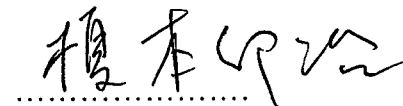
Permanent Secretary, Ministry of Works and Supply - Zambia



Mr. Nelson Kudenga

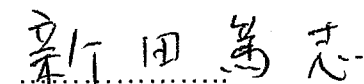
Director of Roads

Ministry of Transport and Communications - Zimbabwe



Mr. Koji Enomoto

Team Leader, JICA Study Team



Mr. Atsushi Nitta

Team Leader, JICA Advisory Team

Dated: This 31st day of August, 2000

At: GABORONE, BOTSWANA