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1. 調査団員・氏名

資料 1. 調査団員・氏名**1 - 1 . 現地調査 (平成 16 年 1 月 14 日 ~ 2 月 12 日)**

氏名	担当	所属
早坂 治敏	総括	国際協力機構 無償資金協力部審査室
小柳 桂泉	計画管理	国際協力機構 無償資金協力部業務第三課
中川 哲	業務主任/維持管理計画/環境社会 配慮	日本工営株式会社
諸石 洋一	橋梁設計	日本工営株式会社
奥野 健太郎	橋梁調査	日本工営株式会社
池田 精寿	自然条件調査 I (地形/地質)	日本工営株式会社
蔦 英夫	自然条件調査 II (河道特性/水文)	日本工営株式会社
前田 哲哉	施工計画/積算	日本工営株式会社

1 - 2 . 概要説明 (平成 16 年 5 月 19 日 ~ 5 月 30 日)

氏名	担当	所属
齋藤 克郎	総括	国際協力機構 PNG 事務所長
中川 哲	業務主任/維持管理計画/環境社会 配慮	日本工営株式会社
諸石 洋一	橋梁設計	日本工営株式会社

2. 調査工程

資料 2. 調査工程

2-1. 現地調査（平成 16 年 1 月 14 日～2 月 12 日）

日数	月日	曜日	行程	宿泊地	調査内容
1	1/14	水	調査団（早坂団長、小柳担当、中川、諸石、池田、蔦、前田団員）ケアンズ経由にて PNG へ出発	機中泊	移動
2	1/15	木	調査団ポートモレスビー着（先発の奥野団員と合流）	ポートモレスビー	大使館、JICA 表敬訪問
3	1/16	金	調査団レイへ移動（午後）	レイ	DNPRD、DoW 表敬訪問およびインセプションレポート説明 レイに移動後レロン橋視察
4	1/17	土	調査団ゴロカへ移動	レイ/ゴロカ	ウミ橋、ピティジャ橋視察 ワタライス～カインントゥ間対象橋梁調査 前田団員はレイにて資料収集
5	1/18	日	調査団ポートモレスビーへ移動 池田、蔦団員はゴロカにて調査継続	ポートモレスビー /レイ/ゴロカ	カインントゥ～ゴロカ間対象橋梁調査
6	1/19	月		"	DNPRD、DoW と協議 現地調査（レイ、ゴロカ）
7	1/20	火		"	"
8	1/21	水	前田団員ゴロカへ移動	ポートモレスビー /ゴロカ	"
9	1/22	木		"	協議議事録調印、大使館、JICA 報告 現地調査（ゴロカ）
10	1/23	金	早坂団長、小柳担当 PNG 出国（ケアンズ経由し同日帰国） 諸石、奥野団員ゴロカへ移動	"	現地調査 / 資料収集・分析
11	1/24	土		"	"
12	1/25	日		"	"
13	1/26	月		"	"
14	1/27	火		"	"
15	1/28	水	池田、蔦団員レイへ移動	ポートモレスビー /レイ/ゴロカ	"
16	1/29	木		"	現地調査 / 資料収集・分析 軸重調査（レイ）
17	1/30	金	蔦団員ポートモレスビーへ移動	"	現地調査 / 資料収集・分析
18	1/31	土	池田団員ゴロカへ移動	ポートモレスビー /ゴロカ	"
19	2/1	日	諸石、奥野、前田団員ポートモレスビーへ移動	"	"
20	2/2	月	奥野団員業務終了、離任 （ブーゲンビル調査後、2/8 に帰国）	"	"
21	2/3	火		"	"
22	2/4	水		"	"
23	2/5	木		"	"
24	2/6	金		"	"
25	2/7	土		"	現地調査 / 資料収集・分析 現地調査結果概要報告書作成
26	2/8	日		"	"
27	2/9	月		"	"
28	2/10	火	池田団員ポートモレスビーへ移動	ポートモレスビー	大使館、JICA へ現地調査結果概要報告
29	2/11	水		"	現地調査取りまとめ、帰国準備
30	2/12	木	中川、諸石、池田、蔦、前田団員 PNG 出国（ケアンズ経由し同日帰国）		移動

注) DNPRD :Department of National Planning & Rural Development
DoW :Department of Works

2-2. 概要説明（平成 16 年 5 月 19 日～5 月 30 日）

日数	月日	曜日	行程	宿泊地	調査内容
1	5/19	水		機中泊	
2	5/20	木		ポートモレスビー	JICA-PNG 事務所、大使館表敬
3	5/21	金		"	国家計画省表敬・報告書の概要説明 公共事業省表敬・報告書の概要説明
4	5/22	土		"	MD 案作成、補足図面の提出準備
5	5/23	日		"	MD 案作成
6	5/24	月		"	公共事業省にて報告書の説明、環境影響 評価報告書の受領
7	5/25	火		"	公共事業省にて補足図面(作物補償を必 要とする範囲および移設が必要な電柱 位置図)の提出・説明及び概算事業費の 通知
8	5/26	水		"	公共事業省にて MD 案の協議、国家計 画省へ MD 案の説明および概算事業費 の通知
9	5/27	木		"	MD の協議・調印
10	5/28	金		"	JICA-PNG 事務所、大使館報告
11	5/29	土		"	資料収集
12	5/30	日			コンサルタント団員帰国

3. 関係者(面会者)リスト

資料 3. 関係者（面会者）リスト

1. Department of National Planning and Rural Development	
Mosilayola Kwayaila	First assistant secretary, aid coordination and management division
Livitalo Saneto	Assistant secretary – Infrastructure branch, development planning and programming division
Tony Miva	Assistant secretary – Bilateral branch
Linda Taman	Aid coordination JICA desk
Noel Geti	Senior aid coordination – JICA desk
須佐見 淳夫	Project formulation advisor
岡部 浩一	Project formulation advisor
2. Department of Works	
Roy Harry Mumu	Deputy secretary (Technical)
Rupa Kalamo	First assistant secretary (Technical service)
Ken Saville	Assistant secretary (General engineering)
Mechael Sirabis	Assistant secretary (Survey and lands)
Willie Asigan	Environment officer, donor division
Jason Vela	Project engineer, roads and bridges branch
John Wakma	Provincial works manager (Morobe province)
Patrick K. Saial	Provincial works manager (Eastern Highlands province)
3. Department of Environmental and Conservation	
Luke Tanikery	Assisitant secretary, EIA branch
Kelly Gawi	
4. National statistical office	
Francisca	Statistical officer
5. Department of Lands	
Maclaren Ririka	Provincial lands manager (Eastern highlands province)
6. 日本大使館	
山下 勝男	特命全権大使
井上 昌則	二等書記官
7. JICA-PNG 事務所	
斎藤 克郎	所長
鯉沼 真里	所員
John Kol	Development officer

4. 当該国の社会経済状況

資料 4. 当該国の社会経済状況

2004年7月8日

	パプア・ニューギニア
	Papua New Guinea

一般指標				
政体	立憲君主国家	*1	首都	ポートモレスビー (Port Moresby)
元首	英国女王 / エリザベス二世(ELIZABETH II)	*1,3	主要都市名	
独立年月日	1975年9月16日	*3,4	労働力総計	2,522千人 (2000年)
主要民族/部族名	パプア族、メラネシア族	*1,3	義務教育年数	年間 (年)
主要言語	英語、ピジン英語、モツ英語	*1,3	初等教育就学率	84.9% (1998年)
宗教	キリスト教徒多数、祖先崇拜等伝統的信仰	*1,3	中等教育就学率	22.3% (1998年)
国連加盟年	1975年10月10日	*12	成人非識字率	36.1% (2000年)
世帯加盟年	1975年10月9日	*7	人口密度	11.33人/km2 (2000年)
IMF加盟年	1975年10月9日	*7	人口増加率	2.5% (1980-2000年)
国土面積	461.69千km2	*1,6	平均寿命	平均 56.70 男 55.80 女 57.70
総人口	5,130千人 (2000年)	*6	5歳児未満死亡率	75/1000 (2000年)
			カロリー供給量	2,175.4cal/日/人 (2000年)

経済指標				
通貨単位	キナ(Kina)	*3	貿易量	(1999年)
為替レート	1 US \$ = 3.81 (2002年12月)	*8	商品輸出	1,927.4百万ドル
会計年度	Dec. 31	*6	商品輸入	-1,071.4百万ドル
国家予算	(1999年)		輸入カバー率	1.7(月) (2000年)
収入総額	2,045.75 Millions of Kina	*9	主要輸出品目	金、原油、銅、パーム油、コーヒー、木材
歳出総額	2,753 Millions of Kina	*9	主要輸入品目	機械・輸送機器、工業製品、燃料、食料
総合収支	125百万ドル (1999年)	*15	日本への輸出	300百万ドル (2001年)
ODA受取額	275.4百万ドル (2000年)	*19	日本からの輸入	47百万ドル (2001年)
国内総生産(GDP)	3,817.74百万ドル (2000年)	*6		
一人当たりのGNI	700.0ドル (2000年)	*6	総国際準備	722.6百万ドル (2000年)
分野別GDP	農業 25.9% (2000年)	*6	対外債務残高	2,603.8百万ドル (2000年)
	鉱工業 43.6% (2000年)	*6	対外債務返済率(DSIR)	13.5% (2000年)
	サービス業 30.5% (2000年)	*6	インフレ率 (消費者価格指数2年率)	9.3% (1990-2000年)
産業別雇用	農業 男 % 女 % (1998-2000年)	*6		
	鉱工業 % % (1998-2000年)	*6	国家開発計画	「復興と開発」5カ年プラン
	サービス業 % % (1998-2000年)	*6		
実質GDP成長率	4.0% (1990-2000年)	*6		

気象	(1961年～1990年平均) 観測地:ポートモレスビー(南緯9度25分、東経147度13分、標高47m)												
	1	2	3	4	5	6	7	8	9	10	11	12	平均/計
降水量	1218.3	192.4	232.3	101.9	64.5	59.2	26.2	26.5	36.1	41.8	52.1	126.2	1177.5 mm
平均気温	27.4	27.3	27.1	27.0	27.0	26.2	25.8	26.0	26.5	27.4	27.6	27.8	26.9℃

*1 各国概況(外務省)
 *2 世界の国々一覽表(外務省)
 *3 世界年鑑2002(共同通信社)
 *4 最新世界各國要覽10訂版(東京書籍)
 *5 理科年表2000(国立天文台編)
 *6 World Development Indicators 2002(WBI)
 *7 BRD Membership List(WBI)
 IMF Members' Financial Data by Country(IMF)
 *8 Universal Currency Converter
 *9 Government Finance Statistics Yearbook 2001 (IMF)

*10 Human Development Report 2002(UNDP)
 *11 Country Profile(EIU,外務省資料等)
 *12 United Nations Member States
 *13 Statistical Yearbook 1999(UNESCO)
 *14 Global Development Finance 2002(WBI)
 *15 International Financial Statistics Yearbook 2002(IMF)
 *16 世界各國經濟情報ファイル2002(世界經濟情報サービス)
 *17 FAO Food Balance Sheets 2002年6月 FAO Homepage
 注:商品輸入については複式簿記の計上方式を採用しているため
 支払の額はマイナス表記になる

	パプア・ニューギニア
	Papua New Guinea

項目	年度	1995	1997	1998	1999	2000
技術協力		10.21	12.38	9.77	8.27	12.56
無償資金協力		17.90	27.06	11.00	10.09	3.49
有償資金協力						33.50
総額		28.11	39.44	20.77	18.36	49.55

項目	暦年	1996	1997	1998	1999	2000
技術協力		9.30	10.24	9.19	8.38	9.98
無償資金協力		14.18	16.99	19.65	10.82	4.19
有償資金協力		72.70	21.97	18.44	17.94	41.65
総額		96.18	49.20	47.27	37.14	55.82

	贈与(1) (無償資金協力・ 技術協力)	有償資金協力 (2)	政府開発援助 (ODA) (1)+(2)+(3)	その他政府資金 及び民間資金(4)	経済協力総額 (3)+(4)
二国間援助 (主要供与国)	226.7	41.9	268.6	30.3	298.9
1. Australia	198.2	0.0	198.2	91.8	290.0
2. Japan	14.2	41.6	55.8	-29.5	26.3
3. New Zealand	5.7	0.0	6.7	0.0	6.7
4. Germany	3.6	0.3	3.9	1.2	5.1
多国間援助 (主要援助機関)	14.7	-9.5	5.2	9.2	14.4
1. UNTA			2.4	0.0	2.4
2. UNDP			2.0	0.0	2.0
その他	0.2	1.5	1.7	-2.5	-0.8
合計	241.6	33.8	275.4	37.1	312.5

技術協力: 計画監理省 外国援助管理部 無償: 計画監理省 外国援助管理部 協力隊: 計画監理省 外国援助管理部
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*18 政府開発援助 (ODA) 国別データブック 2001 (国際協力推進協会)

*19 International Development Statistics (CD-ROM) 2002 OECD

*20 JICA資料

5. 討議議事録(M/D)

- 5-1. 討議議事録(現地調査:平成 16 年 1 月 22 日)
- 5-2. 討議議事録(概要説明:平成 16 年 5 月 27 日)
- 5-3. 調査橋梁追加要請書
- 5-4. ドナー調整の確認レター

資料 5. 討議議事録 (M/D)

5-1. 討議議事録 (現地調査：平成 16 年 1 月 22 日)

Minutes of Discussions
on the Basic Design Study
on the Project for Rehabilitation of Bridges
on the Highlands Highway

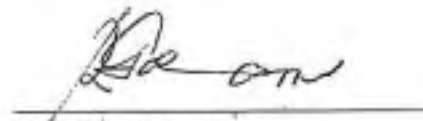
In response to the request from the Government of Papua New Guinea (hereinafter referred to as "GoPNG"), the Government of Japan decided to conduct a Basic Design Study on the Project for Rehabilitation of Bridges on the Highlands Highway (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

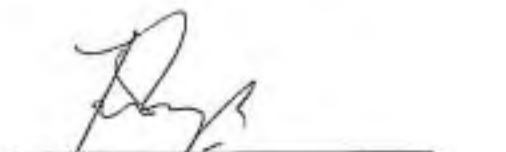
JICA sent to PNG the Basic Design Study Team (hereinafter referred to as "the Team"), headed by Mr. Harutoshi Hayasaka, an Officer of Office of Technical Coordination and Examination, the Grant Aid Management Department, JICA, and is scheduled to stay in the country from January 15 to February 12, 2004.

The Team held discussions with the concerned officials of the GoPNG. In the course of the discussions, both sides have confirmed the main items of described in the attached sheets. The Team will proceed to further works and prepare the Basic Design Study Report.

Port Moresby, January 22, 2004


Mr. Harutoshi Hayasaka
Leader
Basic Design Study Team
Japan International Cooperation Agency


Mr. Rupa Kalamo
First Assistant Secretary,
Technical Services Division,
Department of Works


Mr. Mosilayola Kwayaila
First Assistant Secretary,
Aid Coordination & Management Division,
Department of National Planning and

ATTACHMENT

1. Objective

The objective of the Project is to rehabilitate the bridges on the Highlands Highway.

2. Project Site

The site of the Project is shown in Annex-1.

3. Administrative and Implementing agency

The administrative agency is the Department of National Planning and Rural Development

The implementing agency is the Department of Works.

- The organization chart of the implementing agency is shown in Annex-2.

4. Bridges to be covered by the study

As the result of visual inspection of 23 bridges along the Highlands Highway and discussions between the two sides, both agreed to conduct Basic Design Study on the 12 bridges as shown in Annex-3. JICA will assess the appropriateness and viability of the 12 bridges and report the result to the Government of Japan.

5. Japan's Grant Aid Scheme

(1) The PNG side understands the Japan's Grant Aid scheme and the necessary measures to be taken by the GoPNG explained by the Team as described in Annex-4.

(2) The PNG side promised to take necessary measures, as described in Annex-5, for successful implementation of the Project as a condition for the Japan's Grant Aid to be implemented.

6. Schedule of the Study

(1) The consultants will proceed to further studies in PNG by February 12, 2004.

(2) JICA will prepare the draft report in English and dispatch a mission to PNG in order to explain its contents on April, 2004.

(3) In case that the contents of the report is accepted in principle by the GoPNG, JICA will complete the final report and send it to the GoPNG by June, 2004.

7. Other Relevant Issues

(1) The PNG side will submit answers to the Questionnaire, which the Team handed to the PNG side, to JICA PNG Office by January 30, 2004.

(2) The PNG side shall make an official request for rehabilitation of Orompaka, Nonompinka, Honeranka, Ofiga, Umbaka bridges, which were not included in the original request, to the Government of Japan through Embassy of Japan by February 15, 2004.

(3) The PNG side shall complete the necessary procedures and obtain the approval for the Project from the Department of Environment and Conservation at a timely manner. If EIA is required, the PNG side recognized that the approval for EIA is pre-condition for the implementation of the Project under the Japan's Grant Aid.



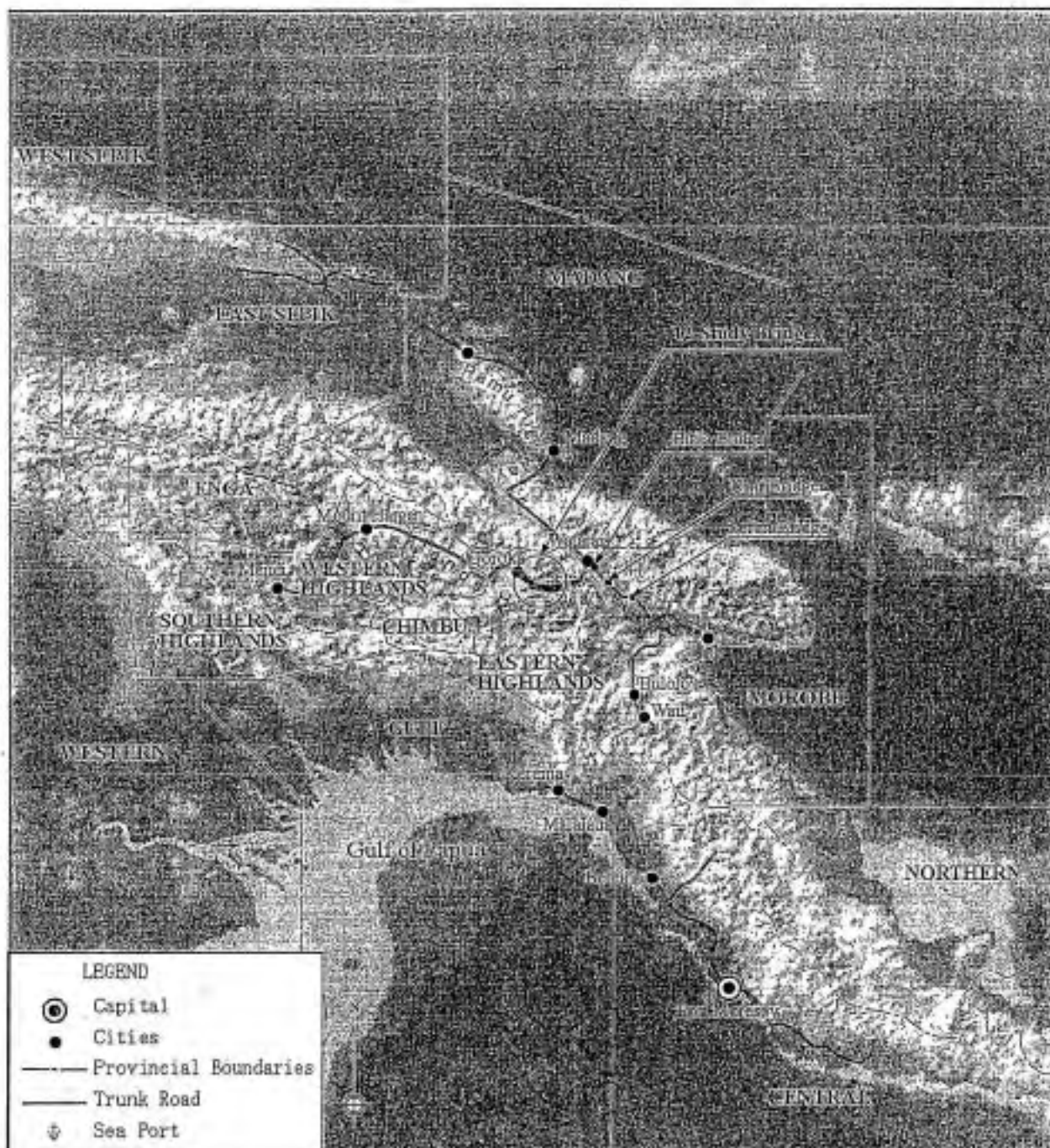
(4) The applicable bridge design which will include number of traffic lanes will be determined based on the results of further study of traffic volume, live load, river characteristics, etc. If the existing bridge is considered to be removed, the PNG side shall remove the existing bridge with PNG side expense before commencement of the work or after completion of new bridge whichever applicable.

(5) The PNG side shall provide 2 counterparts from Department of Works consisting of one at Port Moresby and one at Goroka to assist the Team during the period of its study in PNG.

(6) The PNG side shall allow the Team to utilize a fixed weighbridge at 9 mile on the Highlands Highway near Lae or a portable weighbridge both possessed by Department of Transport and Civil Aviation.

(7) The PNG side shall secure safety at the construction site including access route during the study and construction period.

 
JL



<p>Papua New Guinea</p> <p>Area 462,840km²</p> <p>Population 5,295,616 (July 2003)</p> <p>Capital Port Moresby</p> <p>Ethnic groups Melanesian, Papuan, Negrito, Micronesian, Polynesian</p> <p>Languages English, Pidgin English, Motu</p> <p>GDP per capita US\$530 (2002)</p> <p>Currency kina (PGK)</p> <p>Exchange rates PGK1=JPY33 (Oct.2003)</p>	
<p>BASIC DESIGN STUDY ON THE PROJECT FOR REHABILITATION OF BRIDGES ON THE HIGHLANDS HIGHWAY IN PAPUA NEW GUINEA</p>	
<p>LOCATION MAP</p>	

[Handwritten signatures and initials]



DEPARTMENT OF WORKS
APPROVED ORGANISATION STRUCTURE

DEPT. OF PERSONNEL MANAGEMENT
ORGANISATION DESIGN BRANCH
APPROVED ORG. STRUCTURE

DATE 06/04/2000

SIGNATURE

SECRETARY
EX-4

CSTB
SECRETARIAT
GR.14

INTERNAL
AUDITS
GR.15

LEGAL
SERVICES
GR.16

DEPUTY SECRETARY
(CORPORATE SERVICES)
GR.19

DEPUTY SECRETARY
(TECHNICAL)
GR.19

FIRST ASST.
SECRETARY
(DONOR
PROGRAMMES)
GR.17

PROJECT
DIRECTOR
(AUSAID)
GR.16

PROJECT DIR.
(WORLD BANK)
GR.16

PROJECT
DIRECTOR
(JIBIC/IBU)
GR.16

FIRST ASST.
SECRETARY
(TECHNICAL
SERVICES)
GR.17

ASST. SEC.
(ROADS &
BRIDGES)
GR.16

ASST. SEC.
(SCIENCE &
TECH)
GR.16

ASST. SEC.
(QTY SURV. &
PROJ. AUDIT)
GR.16

ASST. SEC.
(ARCH. & BLDG)
GR.16

ASST. SEC.
(SURVEY &
LANDS)
GR.16

ASST. SEC.
(GENERAL ENG.)
GR.15

ASST. SEC.
(FIELD CO-ORD.)
GR.16
19 PROVINCES

FIRST ASST.
SECRETARY
(OPERATIONS)
GR.17

ASST. SEC.
(PLANT & TRSPT)
GR.16

ASST. SEC.
(LOCAL GOVT.)
GR.16

ASST. SEC.
(MAINT COORD.
SERV.) - GR.16

FIELD PROJECT
MANAGER
(HRMG)
GR.16

FIRST ASST.
SECRETARY
(FINANCE & ADMIN)
GR.17

ASST. SEC.
(FINANCE)
GR.16

ASST. SEC.
(PERS. MGMT)
GR.16

ASST. SEC.
(H.R.D)
GR.16

FIRST ASST.
SECRETARY
(PLANNING &
COORD.)
GR.17

ASST. SEC.
(CO-ORDI-
NATION)
GR.16

ASST. SEC.
(POLICY & PLNG)
GR.16

FIRST ASST.
SECRETARY
(INFORMATION
TECHNOLOGY)
GR.17

ASST. MANAGER
(TECHNOLOGY)
GR.16

ASST. MGR.
(INFO. PROCESS)
GR.16

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Considering the result of visual inspection for 23 bridges consisting of 12 single-lane bridges including Bitija Bridge originally requested by PNG side, and 11 single-lane bridges at Watarais side, and the commitment or schedule for the bridge improvement or rehabilitation with financial assistance from other donors (see Appendix -1), a final list of the bridges covered in the Study was agreed by both sides. A list of the bridges is shown below:

No. of Bridge (1)	Category	Name of Bridge	Distance from Lae in Km
1	First Priority	Honeranka	221.0
2		Dirty Water	255.4
3		Bena Bena	277.9
4		Sunufamu	282.8
5	Second Priority	Orompaka	218.8
6		Nonompinka	219.0
7		Ofiga	221.3
8		Umbaka	222.2
9		Kingkio	232.3
10		Siguya	263.6
11		Yasifo	269.0
12		Parirosay	269.9

It is noted that priority means an urgency of rehabilitation, so that the bridges under the first priority are of main concern and those under the second priority are subject to availability of resources.

/1: The number of bridge at left side column is not related to the priority.



DEPARTMENT OF NATIONAL PLANNING AND RURAL DEVELOPMENT
Office of the Secretary

Telephone : (675) 328 8302
Facsimile : (675) 328 8384

Level 3 Vulumindi Haus
P.O. Box 681, WAIGANI
Papua New Guinea

20th January 2004
DPP/Infra/I.S.

Mr. Alphonse Niggins
Secretary
Department of Works
P.O. Box 1108, **BOROKO**,
National Capital District

My dear Secretary,

SUBJECT: GRANT FUNDED BRIDGES FOR HIGHLANDS HIGHWAY.

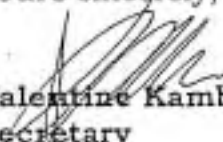
I appreciate the progress being made on the project to replace several single-lane bridges along the Highlands Highway under Japanese grant aid assistance.

It is crucial for the Government to continue to do everything possible to make Highlands Highway a sustainable asset that supports economic and social development on a sustainable basis.

Without hesitation, I provide my concurrence for the prioritized list of bridges as this prioritization is based on professional and technical inspection of the condition of the concerned bridges.

I thank you for your continued support and look forward to a successful implementation of the project.

Yours sincerely,


Valentine Kambori, MBE
Secretary



JAPAN'S GRANT AID

The Grant Aid Scheme provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedures

Japan's Grant Aid Scheme is executed through the following procedures.

Application	(Request made by the recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan and Approval by the Cabinet)
Determination of	(The Note exchanged between the Governments of Japan and recipient
Implementation	country)

Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study) using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Scheme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes (E/N) signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

2. Basic Design Study

(1) Contents of the Study

The aim of the Basic Design Study (hereafter referred to as "the Study") conducted by JICA on a requested project (hereafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:





- Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- Preparation of a basic design of the Project.
- Estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of the Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

(2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consulting firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA. The consultant firm(s) used for the Study is (are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency.

3. Japan's Grant Aid Scheme

(1) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

(2) "The period of the Grant Aid" means the one fiscal year, which the Cabinet approves, the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed. However, in case of delays in delivery, installation or construction due to unforeseen factors such as national disaster, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

(3) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased. When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country. However, the prime contractors, namely, consulting, constructing and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)



(4) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

(5) Undertakings required of the Government of the Recipient Country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following:

a) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction,

b) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,

c) To secure buildings prior to the procurement in case the installation of the equipment,

d) To ensure all the expenses and prompt excursion for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,

e) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts,

f) To accord Japanese nationals, whose services may be required in connection with the supply of the products and services under the Verified contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

(6) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and the equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

(7) "Re-export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

(8) Banking Arrangements (B/A)

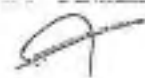


a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay (A/P) issued by the Government of the recipient country or its designated authority.

(9) Authorization to Pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commissions to the Bank.

(End)

Major Undertakings to be taken by Each Government

No.	Items	To be covered by Grant Aid	To be covered by Recipient Side
1	To secure land		•
2	To clear, level and reclaim the site when needed		•
3	To construct gates and fences in and around the site	•	
4	To construct roads		
	1) Within the site	•	
	2) Outside the site	N/A	N/A
5	To construct the buildings	•	
6	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1) Electricity		
	a. The distributing line to the site		•
	b. The drop wiring and internal wiring within the site	•	
	c. The main circuit breaker and transformer	•	
	2) Water Supply		
	a. The city water distribution main to the site		•
	b. The supply system within the site (receiving and elevated tanks)	•	
	3) Drainage		
	a. The city drainage main (for storm, sewer and others to the site)		•
	b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	•	
	4) Telephone System		
	a. The telephone trunk line to the main distribution frame/panel (MDF) of the building		•
	b. The MDF and the extension after the frame/panel	•	
7	To bear the following commissions to the Japanese bank for banking services based upon the B/A		
	1) Advising commission of A/P		•
	2) Payment commission		•
8	To ensure unloading and customs clearance at port of disembarkation in recipient country		
	1) Marine (Air) transportation of the products from Japan the recipient	•	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		•
	3) Internal transportation from the port of disembarkation to the project site	•	
9	To accord Japanese nationals whose service may be required in connection with the supply of the products and the services under the verified contract, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.		•
10	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts		•
11	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
12	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment		•

(B/A: Banking Arrangement, A/P: Authorization to pay, N/A: Not Applicable)

5-2. 討議議事録 (概要説明：平成 16 年 5 月 27 日)

**Minutes of Discussions
on the Basic Design Study
on the Project for Rehabilitation of Bridges
on the Highlands Highway
(Explanation on the Draft Report)**

In January 2004, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched the Basic Design Study Team on the Project for Rehabilitation of Bridges on the Highlands Highway (hereinafter referred to as "the Project") to Papua New Guinea (hereinafter referred to as "PNG"), and through discussions, field survey and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult with the officials concerned of the Government of PNG on the components of the draft report, JICA sent to PNG the Basic Design Explanation Team (hereinafter referred to as "the Team"), headed by Mr. Katsuro Saito, Resident Representative of the JICA PNG Office, from May 20 to 30, 2004.

In the course of the discussions, both sides confirmed the main items described in the attached sheets.

Port Moresby, May 27, 2004



Katsuro Saito
Leader
Basic Design Explanation Team
Japan International Cooperation Agency



Rupa Kalamo
First Assistant Secretary
Technical Services Division
Department of Works



Mosilayola Kwayaila
First Assistant Secretary
Aid Coordination & Management Division
Department of National Planning and
Rural Development

ATTACHMENT

1. Contents of the Draft Report

The PNG side agreed and accepted in principle the contents of the Draft Report explained by the Team.

2. Japan's Grant Aid Scheme

The PNG side understands the Japan's Grant Aid scheme and the necessary measures to be taken by the Government of PNG explained by the Team as described in Annex-4 and Annex-5 of the Minutes of Discussions (M/D) signed by both sides on January 22, 2004.

3. Schedule of the Study

JICA will complete the Final Report in accordance with the confirmed items and send it to the PNG side by the end of July, 2004.

4. Other Relevant Issues

- (1) The PNG side shall allocate the budget on a timely manner for undertakings to be done by the PNG side, which were shown in Annex-5 of the M/D signed by both sides on January 22, 2004.
- (2) The PNG side understands that the Project will be staged into two phases consisting of Phase I covering 5 bridges (Orompaka, Nonompinka, Honeranka, Ofiga and Umbaka) located in the vicinity of Kainantu and Phase II covering the remaining 7 bridges (Kingkio, Dirty Water, Siguya, Yashifo, Parirosay, Bena Bena and Sunufamu) located between Henganofi and Goroka.
- (3) The PNG side shall obtain the basic agreement by July 2004 with the owners whose crops will be affected by the Project, and complete the payment for compensation by January 2005 for Phase I, and by August 2005 for Phase II. It is noted that the Department of Works (hereinafter referred to as "DoW") had obtained the maps showing the location of crops to be compensated.
- (4) The PNG side shall relocate the utility poles affected by the Project at each bridge site by January 2005 for Phase I, and by August 2005 for Phase II. It is noted that DoW had obtained the maps showing the location of utility poles to be relocated.
- (5) The PNG side shall secure and clear the land for the main camp yard and temporary yards at each bridge site for Phase I by January 2005, and temporary yards at each bridge site for Phase II by August 2005.
- (6) The PNG side shall secure the land for spoil bank and disposal yard by January 2005.
- (7) The PNG side shall assign a Community Liaison Officer on a full time basis in the DoW Provincial Office during the period of Project implementation. The Community Liaison Officer will be responsible for coordination of any matters arising from the relation between the local residents and the Project.
- (8) The PNG side shall assign at least one Traffic Police Officer for traffic management at each bridge

site and four Security Police Officers on a full time basis (day and night) at the contractor's main camp during the period of project implementation.

- (9) The PNG side shall demolish the existing Dirty Water and Bena Bena Bridges after completion of the Project by March 2008.

Concluded



DEPARTMENT OF NATIONAL PLANNING AND RURAL DEVELOPMENT

Telephone : (675) 328 8302
Facsimile : (675) 328 8384

Level 3 Vukupindi Haus
P.O. Box 631, WAIGANI
Papua New Guinea

12th February 2004
JPN.10/TAM

His Excellency Mr. Katsuo Yamashita
Plenipotentiary and Extraordinary Ambassador
Embassy of Japan
P.O. Box 1040
PORT MORESBY
National Capital District

Attention: **Mr. Koichi Ibara**
Counselor & Chief of ODA

Excellency,

**SUBJECT: THE PROJECT FOR REPLACEMENT OF BRIDGES ALONG
THE HIGHLANDS HIGHWAY.**

I have the honor on behalf of the Government of Papua New Guinea to formally submit the following list of bridges along the Highlands Highway to be included for Grant Aid financing under the Project for Replacement of Bridges along the Highlands Highway.

The list of bridges includes **Orompanka, Nonompinka, Honeranka, Ofiga and Umbaka bridges**. These bridges were not included in the PNG Government's initial request to the Government of Japan but were identified by the Basic Design Study Team dispatched for the Project for Rehabilitation of Bridges on the Highlands Highway.

We believe you understand the urgent nature of this request and will take the appropriate course of action. The Highlands Highway Rehabilitation Project is a top priority project for the current government and is a major factor in the country's economic development.

We look forward to your government's equal consideration and priority to finance the Bridges Component of the Highlands Highway Rehabilitation Project, including the above list of bridges. The Highlands Highway is a

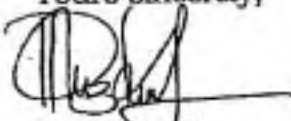
3

critical element in our country's development efforts and your assistance would contribute to a critical achievement and impact.

I wish to extend my Government's gratitude to the Government of Japan for its continued support and assistance that is provided through the existing Japan Official Development Assistance Program.

Excellency, please accept the assurances of our highest consideration on this matter.

Yours sincerely,



Karl Sopol
Acting First Assistant Secretary
Aid Coordination & Management Division

- ✓ Cc: Katsuro Saito, Resident Representative, JICA PNG Office
- Cc: Secretary, Department of Transport
- Cc: Secretary, Department of Works



ap/B (Bilateral)
Please vet in liaison with SPP

**DEPARTMENT OF WORKS
 OFFICE OF THE SECRETARY**

N/bets. [Signature]

P O Box 1108
 BOROKO, NCD
 Papua New Guinea

Tel: (675) 3241114
 Fax: (675) 3241102

Date: Tuesday 20th January 2004
 File: 02-60-D6

The Secretary
 Department of National Planning & Rural Development
 Vulupindi Haus, Waigani Drive
 PO Box 631
WAIGANI, 131
 National Capital District



My Dear Secretary,

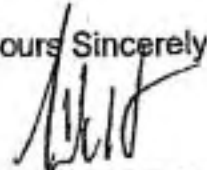
SUBJECT: GRANT FUNDED BRIDGES FOR THE HIGHLANDS HIGHWAY

In addition to the JICA acceptance of the Highlands Highway Bridges proposal and prioritizing of the existing bridges following a site visit, the following 12 bridges are officially included in the Grant Schedule bridge investigation in the 2004 for the purpose of Basic Design Team currently visiting Papua New Guinea.

PRIORITY 1	PRIORITY 2
1 Honeranka	5. Orompaka
2. Dirtywara	6. Nonompinka
3. Bena Bena	7. Ofiga
4. Sunufamu	8. Umbaka
	9. Kingkio
	10. Siguya
	11. Yasifo
	12. Parorosay
TOTAL	12 BRIDGES

Please concur on this request so that the same can be extended to the JICA Representatives and the Team currently in the country to proceed on the details of the study requirements.

Yours Sincerely,



ALPHONSE J. NIGGINS
Secretary

(3)



**DEPARTMENT OF WORKS
HEADQUARTERS**

OFFICE OF THE TECHNICAL SERVICES

FACSIMILE

P O Box 1108
BOROKO, NCD
Papua New Guinea

Tel: 324 1402
Fax: 324 1441

Ref : 120 - 60 - D14
Date : Wednesday May 19, 2004

**TO : SENIOR DEVELOPMENT OFFICER
(JICA PNG OFFICE)**

ATTN : TONY OMBO FAX NO : 325 0752

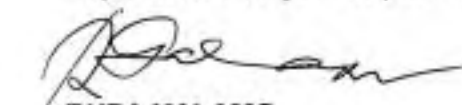
**RE: REQUEST FOR OFFICIAL CORRESPONDENCE BETWEEN
DNP&RD AND WB REGARDING 124 HIGHLANDS BRIDGES**

Reference is made to your fax dated 17th May 2004 on the above caption matter.

Please find exchange of correspondences copies attached, with the Agencies concern and the Department and the decision reached for your necessary information. Of the 12 bridges including 5 which were initially considered under the WB Programme however are now candidates under the JICA Programme.

A recent e-mail correspondence with the World Bank official has further confirms their acceptance of the bridges to be implemented under the planned JICA Program.

Hope this meets your requirement.


RUPA KALAMO
FAS (Technical Services)

Copy : Deputy Secretary (Technical) – infor. Only
: First Assistant Secretary (Donor Program)
Attention: Project Director (World Bank)