No. 17

THE GOVERNMENT OF PAPUA NEW GUINEA

THE DETAILED DESIGN
ON
ROAD CONSTRUCTION PROJECT
IN
BEREINA - MALALAUA

TENDER DOCUMENTS

(Prequalification)

JANUARY 1990

JAPAN INTERNATIONAL COOPERATION AGENCY



PAPUA NEW GUINEA



TRANS-ISLAND HIGHWAY BEREINA TO MALALAUA ROAD CONSTRUCTION PROJECT CENTRAL/GULF PROVINCES

PREQUALIFICATION DOCUMENTS

FOR

LOT I : BEREINA TO MIARU RIVER SECTION
CONTRACT NO. SC 120-33-814/A
CH 0+000 TO CH 33+500

LOT I : MIARU RIVER TO MALALAUA SECTION CONTRACT NO. SC 120-33-814/B
CH 33+500 TO CH 80+596





TRANS-ISLAND HIGHWAY

BEREINA TO MALALAUA ROAD CONSTRUCTION PROJECT CENTRAL/GULF PROVINCES

PREQUALIFICATION DOCUMENTS

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ADVERTISEMENT/ANNOUNCEMENT OF PREQUALIFICATION

The Papua New Guinea Department of Works intends to prequalify tenderers for the Bereina to Malalaua Road Construction Project, which is to be awarded by international competitive tendering.

The Project is in two (2) contract lots comprising the Bereina to Miaru River section of 33.5km (Lot I) and the Miaru River to Malalaua section of 47.1km (Lot II). The foreign currency component of each contract will be financed from a Loan of Overseas Economic Cooperation Fund (OECF) of Japan.

Prequalification will be carried out on the basis of applications from prospective general contractors originating in OECF eligible source countries. Applicants who satisfy all of the following conditions will be considered for prequalification:

- (a) that a majority of the subscribed shares shall be held by nationals of the eligible source countries;
- (b) that a majority of the full-time directors shall be nationals of the eligible source countries; and
- (c) that the applicant shall be incorporated and registered in the eligible source countries.

Prequalification Documents can be obtained on application to and on written request accompanied by a bank certified cheque or a bank draft payable to the Department of Works, in the amount equivalent to K100:

The Chairman
Works, Supply and Tenders Board
P.O. Box 1142
Boroko
Papua New Guinea

Telex: 22200 Facsimile: 241400

during normal working hours.

PART I

GENERAL INFORMATION FOR PROSPECTIVE TENDERERS

- 1.01 The Papua New Guinea Department of Works (hereinafter referred to as "DOW") hereby invites experienced and reputable contractors to prequalify for the Bereina to Malalaua Road Construction Project. Prospective contractors are required to submit details of their qualifications for consideration by the DOW.
- 1.02 The DOW has applied for a loan from the Overseas Economic Cooperation Fund of Japan (hereinafter referred to as "OECF") and intends to apply the proceeds of the loan to eligible payments for the Project. Participation in the prequalification exercise is opened only to contractors of eligible source countries of the OECF. The eligible source countries are as listed in Appendix A.
- 1.03 The following words, expressions and abbreviations shall have the meaning hereby assigned to them, except where the context otherwise requires:

"The	Employer"	the Indep	endent	State	of	Papua	New
		iuinea.					

"DOW"

The Employer's Representative is the Secretary of the Department of Works (PNG) and referred to in this document as DOW.

"Works"

All permanent and temporary works in connection with the Bereina to Malalaua Road Construction Project.

"Applicant"

Companies and firms, who wish to be qualified for the tendering, alone or as a sponsor company in case of the tender presented as parts of a joint venture or a consortium for the road construction works of the Project.

"Tender" Tender for the Bereina to Malalaua Road Construction Project.

"Tenderer" An applicant qualified by the DOW.

"Tender Documents" Documents for tender.

"Fund" Overseas Economic Cooperation Fund,
Japan.

1.04 The 80.6 kilometres long Bereina to Malalaua Road is located along the coast of Central Province and Gulf Province, and forms part of the 575 kilometre Trans-Island Highway which will link Port Moresby to Lae.

The project description and other relevant information are given in Appendix B.

This prequalification is only valid for two (2) contract lots comprising the Bereina to Malalaua Road Construction Project:

Lot I: Bereina to Miaru River Section, 33.5km

Lot II: Miaru River to Malalaua Section, 47.1km

- 1.05 The Lot I and Lot II contracts will be awarded under separate contracts. Contractors may apply for prequalification for either Lot I or Lot II, or both Lots. Where contractors apply for both Lots, the prequalification evaluation will be carried out individually for each Lot.
- 1.06 As the Fund will assist in the financing of the Project, procurement of materials should be in accordance with the Fund's Guidelines for Procurement.
- 1.07 The invitation to tender for Lot I or Lot II, or both Lots, will be sent only to those contractors who have prequalified.
- 1.08 The Contracts for the Works will be a Unit Price Remeasurement Contract with a Priced Bill of Quantities subject to price escalation as specified in the Tender Documents, and awarded on the basis of International Competitive Tendering.
- 1.09 Tenderers will indicate the tender price in Papua New Guinea Kina. However payments to the contractor will be made in Japanese Yen or United States Dollars for the foreign currency portion and in Papua New Guinea Kina for the local currency portion. Tenderers will be required to indicate the percentage of the Contract Price to be paid in foreign currency and the currency (Yen or US dollars). Advance payment of not more than ten (10) percent of the Contract Price will be made after the award of the Contract.
- 1.10 The Works are to be completed within the following time for completion.

Lot I: 36 calendar months

Lot II : 48 calendar months

- 1.11 Tenderers will be required to furnish a tender security in an amount of K200,000 for the Lot I and of K300,000 for the Lot II. Contractor will be required to furnish a bank guarantee for performance in an amount not less than ten (10) percent of the Contract Price.
- 1.12 Applicants who wish to be prequalified for tendering are requested to submit to the DOW the complete prequalification forms.
- 1.13 The DOW will first examine and evaluate the Prequalification Documents and will verify their compliance with the requirements of the Prequalification Documents. The applications for prequalification will be assessed in terms of the applicants' technical and financial tender capacities.
- 1.14 Based on the results of the prequalification, the DOW will select the applicants to whom the tendering will be opened but will not accept any claim regarding either procedure or the results of the prequalification. The decision of the DOW in regard to acceptance or non-acceptance of contractors for prequalification will be final.
- 1.15 The Independent State of Papua New Guinea will notify contractors who have successfully prequalified to tender for the Works. Reasons for rejection of applicants for prequalification will not be given.
- 1.16 All Prequalification Documents and information received by the DOW from the applicants will be considered strictly confidential. The documents will not be returned both in the event of rejection or acceptance of the applicants.
- 1.17 All expenses relating to prequalification shall be borne by the applicants, and in no case will be reimbursed.
- 1.18 The next section of this booklet contains instructions to and forms to be filled out by applicants.

PART II

INSTRUCTIONS AND GENERAL CONDITIONS

The Chairman
Works, Supply and Tenders Board
P. O. Box 1142
Boroko
Papua New Guinea

- 2.02 The sequence dates for carrying out this prequalification have been programmed as follows:
 - Start of prequalification with : the issue of prequalification questionnaire.

Notwithstanding any provisions contained in this chapter, the DOW reserves its right to make any changes in the aforesaid time schedule.

- 2.03 The attached forms are to be completed by applicants. Tender Documents will only be issued to tenderers who have been prequalified by the DOW.
- 2.04 The applicants, who intend to present the tenders alone or parts of a joint venture or consortium, shall be from the eligible source countries only, whose names are given in Appendix A, and shall be nationals of eligible source countries or juridical persons (companies and firms) incorporated and registered in the eligible source countries and controlled by nationals of the eligible source countries. Such companies shall satisfy all of the following conditions:
 - (a) A majority of the subscribed shares shall be held by nationals of the eligible source countries;

- (b) A majority of full-time directors shall be nationals of the eligible source countries.
- (c) Such companies shall be incorporated and registered in the eligible source countries.

The above shall be certified for source, origin and eligibility in accordance with the attached form.

2.05 If it is intended to apply as a part of a joint venture or consortium, all members of joint venture or consortium should submit separate and complete prequalification forms, clearly indicating who will be the sponsor company and the expected participation or share of the other members of the joint venture, together with details of agreements, supported by documentary proof, and identification of prime responsibility.

No joint venture or consortium will be prequalified to tender, if the Works are split between the members, without a sponsor company accepting full responsibility for the overall supervision and execution of the Works.

- 2.06 All financial data entered on the forms should be quoted in Papua New Guinea Kina.
- 2.07 All information in the application should be filled in ink or typed and in English. Information in any other language should be accompanied by a translation into English. Failure to comply with this may cause the applicant to be disqualified. Erasures or other changes should be noted over the initials of the person signing the application.
- 2.08 Prequalification Documents should be submitted in one (1) original and one (1) copy, each being with the prequalification forms duly filled in and supplemented by all the information required. Each copy of the abovementioned documents should be respectively marked "Original" and "Copy". In case of discrepancy between the copy and the original, the original will prevail. The Prequalification Documents and the required attachments should be enclosed in a sealed envelope carrying outside the name and address of the applicant, and clearly marked:

"PREQUALIFICATION DOCUMENTS FOR THE WORKS LOT I (or LOT II, or LOT I AND LOT II as the case may be) FOR THE BEREINA TO MALALAUA ROAD CONSTRUCTION PROJECT"

The "Original" and one copy of the Prequalification Documents should be hand carried or sent by registered mail to the following address:

The Chairman
Works, Supply and Tenders Board
P. O. Box 1142
Boroko
Papua New Guinea

If the Prequalification Documents are sent by mail and arrive late, the DOW will not be responsible for no receipt of the Prequalification Documents regardless of the reasons for the delay or loss in the mail.

2.09 The prequalification of the applicants will be made by the DOW: on the basis of the experience and capability of the applicants to carry out construction works of the size and nature of those required for this Project; on the basis of financial and operational capacity; and on the availability of experienced personnel and adequate plant and equipment. Past performance and fulfillment of contractual obligations and present commitments will also be considered.

For the purpose of examination as mentioned above, the following basic criteria will apply:

(1) Experience: The applicant, who has in the last ten (10) years satisfactorily carried out highway and bridge works of the same nature, similar or larger than the Works in the quantity as given in Appendix B Project Description, will be deemed to have sufficient experience.

The applicant should also have experience of construction of other civil works during the last ten (10) years.

For this purpose the applicant is recommended to explain his experience as detailed as possible in accordance with the FORM NO.4, NO.5, NO.6 and NO.7.

In addition to the above information, the applicant should provide details of his current work load describing its project, client, contract value, work description, construction period, etc., in accordance with the FORM NO. 10.

(2) Personnel: The Contractor should provide bio-data to illustrate that he can provide the following key supervisory personnel.

Lot I:

Site agent well experienced in highway

and bridge works.

Engineer/Supervisor experienced in

steel bridge construction.

Engineer/Supervisor experienced in

subgrade/pavement works.

Lot II

Site agent well experienced in highway

and Bridge works.

- Engineer/Supervisor experienced in

earthworks on soft ground in swamp

areas.

Engineer/Supervisor experienced in

steel bridge construction.

Engineer/Supervisor experienced in

subgrade/pavement works.

All key staff must be capable of communicating in English.

Any applicant who does not propose to provide personnel with adequate experience as stated above will not be prequalified.

- (3) Plant and Equipment: The applicant shall clearly indicate the list of plant and equipment including size, capacity and number which he currently has available for the undertaking the project. The detailed list of plant and equipment shall be indicated in the attached form.
- (4) Financial Condition: The financial capacity of the applicant will be judged from the financial statements submitted, as well as form letters from banks regarding credit.

If the applicant's financial situation is not sound, or work commitments are beyond the limit of the applicant's financial resources, the applicant will be disqualified from tendering.

- (5) Past Performance: Past performance will also receive due consideration in qualifying the applicants. The applicant's past failure to complete any civil engineering construction works will be taken into account in the prequalification exercise.
- 2.10 The applicants should complete the prequalification forms provided herein and attach to the forms, certificate(s) and letter(s) as noted therein. In addition thereto, FORM NO.1, NO.2 and NO.3 shall be accompanied by certificate(s)

prepared by a competent authority verifying the legal status of the applicant and notarized documents indicating the person with name, nationality and domicile who will sign for the applicant verifying his legal representation. Further, the following documents shall be attached to the forms:

- (1) Letter of reference from bank confirming that the applicant has fulfilled his financial obligations and the bank will give its financial support if the applicant is awarded the Contract(s).
- (2) Documents issued and signed by a bank or credit agency demonstrating the maximum credit.
- (3) References and letters of recommendation in connection with projects.
- 2.11 Any additional matters that the applicant wishes to submit to demonstrate his ability and/or to support previous working record, should be attached as supplementary information.
- 2.12 Amendment may be issued by the DOW for the purpose of amending the Prequalification Documents. Each amendment to be issued will be distributed to all applicants, who should acknowledge receipt of each amendment by signing and returning the receipt form distributed with the amendment. All amendment issued will become part of the Prequalification Documents.
- 2.13 Questions on the Prequalification Documents which arise during preparation should be forwarded in writing to the DOW.

PART III
LIST OF FORMS

FORM NO.	DESCRIPTION	NO. OF SHEETS
1.	LETTER OF INTENT TO APPLY FOR PREQUALIFICATION IN THE TENDERING	3
2.	STATEMENT OF APPLICANT	2
3.	FINANCIAL STATUS OF APPLICANT	2
4.	EXPERIENCE RECORD OF APPLICANT	2
5.	DETAILED PROJECT EXPERIENCE	5
6.	SIMILAR TYPE PROJECT	3
7.	SPECIAL EXPERIENCE FOR THE CONSTRUCTION WORKS	1
8.	SUPERVISORY PERSONNEL	2
9.	LIST OF MAJOR PLANT AND EQUIPMENT	2
10.	STATUS OF CONTRACT IN PROGRESS	1
11.	STATEMENT OF ELIGIBILITY	1
12.	LIST OF PREQUALIFICATION FORMS TO BE FILLED IN BY THE APPLICANT	1

Note: Applicants who intend to participate in the tendering in the form of a consortium or a joint venture, are requested to duly fill in each of the forms by each of the members.

LETTER OF INTENT TO APPLY FOR PREQUALIFICATION

IN THE TENDERING

The Chairman
Works, Supply and Tenders Board
P.O. Box 1142
Boroko
Papua New Guinea

BEREINA TO MALALAUA ROAD CONSTRUCTION PROJECT

Dear Sir,	
In accordance with undersigned Represen	the Prequalification Questionnaire, the tative:
	(Full Name and Title)
is legally authorise Applicant.	ed to act in name and on the account of the
Company and Firm:	
	(Name and Address of Applicant)
Joint Venture :	
* Composed of	:
(a)	
(b)	
(c)	
(d)	
(e)	
by means of c	ertified power of attorney:
	(Place and Date of the Power of Attorney)

attached to these documents, hereby apply for prequalification for tendering to the Works /1 of the Bereina to Malalaua Road Construction Project.

By this letter, the undersigned Representative, acting in the name on account of the Applicant declares:

- (1) To guarantee the truthfulness and exactness of all the statements and answers made in the Prequalification Questionnaire and in the attached documents.
- (2) To authorise the Employer or his delegate to effect any investigation to prove the truthfulness of the statements and documents submitted and to obtain clarification and information on the technical and financial conditions of the Applicant.
- (3) To accept unconditionally the dates and period fixed or to be fixed by the Employer for the Prequalification and Tendering, renouncing consequently to ask for extension.
- (4) To accept unconditionally the procedure adopted for the tendering, the documents of the same and to renounce consequently to any claim.
- (5) To have the widest authority to execute agreements and to effect all necessary formalities for the tender, including the signature of the contract, by virtue of the power of attorney granted.
- (6) To give the Employer the full right without giving any justifications:
 - (a) To disqualify any Applicant who does not meet the requirements indicated in the Prequalification Documents or does not submit the required documentation or is not acceptable to the Employer for reasons in his opinion to be substantial.
 - (b) Not to accept any claim regarding either procedure or the results of the Prequalification.
- (7) To certify that the following amendment issued by the Employer have been received:

(8) To indicate the address which is his legal domicile and to which the Employer may direct correspondence in regard to the effects of his application:

	(Mail	, Cable, Telex Address and Te	elephone Number)				
(9)	Name and position of person who may be contacted for further information if required.						
	(a) (b)	Technical					
	•	ere					
		(Place and Date)	(The Representative)				
Note :	*	Delete the part not applica	ble				
	/1	Insert the words Lot I or L	ot II. or Lot I and				

Lot II, whichever is appropriate.

STATEMENT OF APPLICANT

1.	Name of applicant (Company and Firm)	;			
2.	Home office adress	:			
3.	Type of organization (i.e. General Civil	٠			
	Engineering Contractor)	:			• • • • • • • • • • •
4.	Place, date of establishment and				
	years organized	:		(Place)	
					(Year)
				(Years)	
5.	Local office address (if	an	y), cable,	phone:	
٠		• • •			
		• • •	• • • • • • • • •		• • • • • • • • • • • • • • • • • • • •
6.	Nominal capital (Kina)	:			
7.	Exchange rate adopted for the equivalent in Kina	;	1 Kina = 1 Kina =		(original) (US\$)
8.	Name and positions of proffice:	inc	ipal office	ers in hom	e
			* * * * * * * * * * * * *		
9.	Name and positions of property (if any):	rin	cipal offi	cers in l	ocal office

10.	Name and address of associan Papua New Guinea (if an		company	and f	irm, or	agent
	, , , , , , , , , , , , , , , , , , , ,	• • • • •		• • • • •		• • • • • •
			• • • • • • •		• • • • • • • •	
11.	Name and address of joint work in Papua New Guinea			er fo	r highwa	y
		• • • • •			• • • • • • • • • • • • • • • • • • • •	
	• • • • • • • • • • • • • • • • • • • •				• • • • • • •	
12.	Sponsoring member of joint	t vent	ure (if	any):		
13.	Personnel					
13.1	Number of Staff	:				
	Technical	:				
	Administrative	:				
13.2	Number of graduate/charter	red en	gineers			
	(a) World	:				
	(b) South East Asia	:		• • • • •		• • • • •
	(c) Papua New Guinea	: , .,				
13.3	Number of supervisory pers	sonnel				
	(a) World	:		· · • • • •		
	(b) South East Asia	:				
	(c) Papua New Guinea	· · · · ·			• • • • • • •	
13.4	Number of graduate/charte	red en	gineers			
	available for assignment in Papua New Guinea	:				
13.5	Number of supervisory persavailable for assignment	sonnel				
	in Papua New Guinea	:			• • • • • • •	• • • • •
		٠.				-
	(Place and Date)		Γ)	he Re	 presenta	tive)
		I-6		•		
					•	

FINANCIAL STATUS OF APPLICANT

The following is information and data showing the Applicant's financial statements for the last two years with certification by registered auditors or competent authorities. (Exchange rate adopted for the equivalent in Kina shall be indicated for each year.)

1.	Total assets	:	• • • • • • • • • • • • • • • • • • • •
2.	Current assets	:	
3.	Liquid assets	:	
4.	Total liabilities	:	
5.	Current liabilities	:	•••••
6.	Share capital and Reserve	:	· · · · · · · · · · · · · · · · · · ·
7.	Current credit resources	:	
8.	Net worth	:	
9.	Amount of balance	:	
10.	Date of balance	:	(Day) (Month) (Year)
11.	Rates of exchange used in preparing submission	:	1 Kina = 1 Kina =
12.	Bank references and address	:	
			,
13.	Bonding capacity	:	(list names of institutes and bondable amounts)
	Institutes		Amount in Kina
			• • • • • • • • • • • • • • • • • • • •

14.	Value of Contract for which company (if no limit leave blank):	would tender (k)
	Maximum	Minimum
	(Place and Date)	(The Representative)

.

EXPERIENCE RECORD OF APPLICANT

1.		ess experience of t nt name	che	Applicant	as a c	ontractor	under
	Proso.		:	• • • • • • •	(years)	19 to	19
2.	Years	of highway experie	ence	e			
	(a)	World	:		(years)	19 to	19
	(b)	South East Asia	:		(years)	19 to	19
	(c)	Papua New Guinea	:	* * * * * * *	(years)	19 to	19
3.	Years	of civil work expe	eri	ence		•	
	(a)	World	:		(years)	19 to	19
	(b)	South East Asia	:		(years)	19 to	19
	(c)	Papua New Guinea	:		(years)	19 to	19
4.		of highway and br years (Kina)	ridg	ge project	s award	ed in la	ist ten
	(a)	World	:				
	(b)	South East Asia	:				
	(c)	Papua New Guinea	:				
5.	Larges year	st annual rate of	hi	ighway con	structi	on (Kina	.) with
	(a)	World	:	•			
	(b)	South East Asia	:				
	(c)	Papua New Guinea	:				
6.	Value	of largest highway	у :	project co	mpleted	singly	(Kina)
	(a)	World	:				
	(b)	South East Asia	:				
	(c)	Papua New Guinea	:				

7.		of largest e (Kina)	highwa	y project	completed	in joint
	(a)	World	;	:		
	(b)	South East	Asia :	:		
• • •	(c)	Papua New G	ainea	: *		
8.		of largest tractor and				
	(a)	World		!		
	(b)	South East	Asia :	:	•	
	(c)	Papua New G	uinea	•		•
9.	Annual	construction	n value	of current	projects (K	ina)
				Highways	Civil Works	
	(a)	World	;	1		
	(b)	South East	Asia	:		
•	(c)	Papua New G	uinea	:		
10.		of civil we				d bridge)
	(a)	World	:	:		
	(b)	South East	Asia	:		
	(c)	Papua New G	uinea	:		
12.	Partic	ulars of any	failur	e to complet	te contracts	
•						
•	• • • • •	(Place and	 Date)		(The Repres	entative)

DETAILED PROJECT EXPERIENCE

Highway and bridge works and other civil works successfully completed by the Applicant in last ten (10) years. Attach the form copied from this page to declare as many as necessary.

The detailed project experience in the FORM NO. 5 shall be described according to the following four (4) items:

- 1. Highway and Bridge Works Papua New Guinea and South East Asia.
- 2. Highway and Bridge Works World Wide excluding Papua New Guinea and South East Asia.
- 3. Other Civil Works Papua New Guinea and South East Asia.
- 4. Other Civil Works World Wide excluding Papua New Guinea and South East Asia.

DETAILED PROJECT EXPERIENCE

1.		y and bridge works - F last ten (10) years)	apua	New	Guine	a and	South	-East
	(a)	Name of project	:	• • • •				• • • • •
	(b)	Contract role, main or sub-contractor	:	• • • •		•••,••		• • • • •
	(c)	Client	:	• • • •				
	(d)	Contract value (Kina)	•	• • • •				• • • • •
· · · · · · · · · · · · · · · · · · ·	(e)	Commencement date	:					
	(f)	Actual or estimated completion date	:	••••		• • • • •		
	(g)	Percentage of participation of company in project	;	• • • •				
	(h)	Percentage complete	:					
	(i)	Name and address of Engineer (Consultant) in charge of the supervision of con- struction	;	• • • •				••••
	(j)	Name of financier(s)	:					
	(k)	Litigation	:					.
	(1)	Brief description of project	:					· • • • • • • • • • • • • • • • • • • •
ta sa	• • • • •	(Place and Date)		т (Т	he Rep	resen	tative	 e)

DETAILED PROJECT EXPERIENCE

2.	Highwa: Guinea	y and bridge works - and South-East Asia (worl last	d wide excluding Papua New ten (10) years)
	(a)	Name of project	:	•••••
	(b)	Contract role, main or sub-contractor	:	••••••••••••
	(c)	Client	:	• • • • • • • • • • • • • • • • • • • •
·	(d)	Contract value (Kina)	:	
	(e)	Commencement date	:	
	(f)	Actual or estimated completion date	:	• • • • • • • • • • • • • • • • • • • •
	(g)	Percentage of participation of company in project	:	
	(h)	Percentage complete	:	• • • • • • • • • • • • • • • • • • • •
	(i)	Name and address of Engineer (Consultant) in charge of the supervision of con- struction	:	
	(j)	Name of financier(s)	:	***
	(k)	Litigation	:	
	(1)	Brief description of project	:	• • • • • • • • • • • • • • • • • • • •
	(P)	lace and Date)		(The Representative)

DETAILED PROJECT EXPERIENCE

3.		civil works - Papua I ten (10) years)	New	Guinea	and	South-East	Asia
	(a)	Name of project	:				
	(b)	Contract role, main or sub-contractor	:				••••
	(c)	Client	:				
	(d)	Contract value (Kina)	:	• • • • •	• • • •		
	(e)	Commencement date	:				
	(f)	Actual or estimated completion date	:	• • • • •	• • • •	• • • • • • • • • •	• • • • •
	(g)	Percentage of participation of company in project	:				
	(h)	Percentage complete	:				
	(i)	Name and address of Engineer (Consultant in charge of the supervision of construction	:)				
	(j)	Name of financier(s)	:			• • • • • • • • • •	
	(k)	Litigation	:		9 + 1 4		
	(1)	Brief description of project	:	• • • • •			
					ė		
	· (Place and Date)		(The	Rep	 resentative	 e)

DETAIL PROJECT EXPERIENCE

(a)	Name of project	:						٠.					
(b)	Contract role, main or sub-contract	:		٠.					••		• •		•
(c)	Client	:											
(d)	Contract value (Kina)	:	• •	••	• •	• •	٠.		٠.	• •		• •	•
(e)	Commencement date	:							•				
(f)	Actual or estimated completion date	:	• •	••		• •	• •						•
(g)	Percentage of participation of company in project	:				• •							
(h)	Percentage complete	:											•
(i)	Name and address of Engineer (Consultant) in charge of the supervision of construction	:	• •			• •		••		• •		• •	
(j)	Name of financier(s)	:							٠.	. ,	٠.		
(k)	Litigation	:						٠.					•
(1)	Brief description of project	:		• •	• •	•••							•

SIMILAR TYPE PROJECT

Give full information of construction experience in highway and bridge works successfully completed by the Applicant as a main contractor but not as a sub-contractor in last ten (10) years. Use as many copies as necessary.

	1.	Name of project:
	2.	Features of roadway and pavement (new or improvement, length, width, grade, number of major drainage structures, excavation and embankment volume, etc.):
•		
	3.	Geological conditions, as detailed as possible:
	4.	Earthworks (method of excavation and embankment, major equipment used, etc):
	,	
	5.	Pavement (type, design, volumes and kinds of material of subbase, base and surface courses, major equipment and plant used, etc):

6.	Bridges (types of concrete bridges and steel bridges, number of sites, span and width, pile foundation or expanding footing substructure, maximum height of scaffolding required, major equipment and plant used, etc):
•	
7.	Piling work (type of piles, i.e., steel pile, concrete pile, in-situ concrete pile, etc, total length, diameter, method of piling, major equipment and plant used, etc):
8.	Concrete work (concrete volume placed, method of concreting, major equipment and plant used, etc):
	·
9.	Contract value for construction of highway and bridge projects (Kina):
10.	Construction period (from month/year to month/ year) :
11.	Actual construction record, indicate time span (calendar basis) for each earthworks, pavement, bridge and other major concrete structures:

	•							 								٠.										•		٠		
•			•	٠.																				•		•			 •	
						• •		 	ı, •									٠.												
		. • •	•		 D1						•	• •	٠	 •			•	 / n	· ·	• •	D.	•	• •	•	• •	• 1	••	•	 •	

SPECIAL EXPERIENCE FOR THE CONSTRUCTION WORKS

Give the following information of construction experience in last ten (10) years. Use as many copies as necessary.

1.		orks (including road , swamp area, embankme		d other civil works) on soft in the water, etc
	(a)	Name of project	:	
	(b)	Work description	:	
•	(c)	Geological conditions	:	
	(d)	Countermeasure of earthworks	:	
2.	Cast-i	n-situ Bored Piling fo	oune	nded on rock formation
	(a)	Name of project	:	
	(b)	Work description	:	
	(c)	Geological conditions	:	
	•••••	(Place and Date)	• • •	(The Representative)
Note:				vishes to be prequalified for this Form should be deleted

and initalled by the Applicant.

SUPERVISORY PERSONNEL

The following is detailed information regarding key engineering personnel and other key supervisory personnel, majority of whom are expected to be full-time field staff for the Works in the event of the contract being awarded. (Fill in a form for each person.)

1.	Name	:		
2.	Date of birth	:		
3.	Nationality	:		
4.	Education and degrees	:		
5.	Present position	:		
6.	Years of experience			
	with the company	: ·		
	in construction	:		
7.	Positions held since graduation	*		
8.	Membership of pro- fessional institutions	:		
	(with date of qual- ification)			
9.	Experience of particula project	ır		
•	Highway	:		
•	Civil Works	:		
	Other	:		,
e.	This should cover the as necessary.	past	experience. Use as many pages	3

The experience of a particular project shall be described under the following items:

(a)	Name of Project	•	* * * * * *	• • • • •	• • • • •		* * * * * * * * *
(b)	Name and address of Client	:		• • • • •			• • • • • • • •
			• • • • •	• • • • •	• • • • •	• • • • • •	• • • • • • • •
(c)	Name and address of Engineer	:		• • • • •		• • • • •	
			• • • • •	• • • • •	• • • • •		• • • • • • • •
(d)	Feature of project	:	• • • • •				
(e)	Contract value	:	• • • • •	• • • • •			• • • • • • • • •
(f)	Position	:		• • • • •			
(g)	Assignment period	:					• • • • • • • • •
					•		
				•			
٠							
				•			
•	(Place and Date	e)		• • • • • • • • • • • • • • • • • • • •	The R	eprese	ntative)

LIST OF MAJOR PLANT AND EQUIPMENT

1. Various items of plant and equipment and size or capacity which the Contractor currently has available for the undertaking the Project.

Equipment Size or Number Capacity

Rock crushing plant Concrete batching plant Cement stabilization plant Portable concrete mixers Bitumen spray trucks Motor graders Bulldozers Dump trucks Water trucks Tractor shovels Front end loaders Steel wheel rollers Vibrating rollers Sheepsfoot rollers Rubber tired rollers Aggregate spreader Stabilizer Compressors Water pumps Hydraulic excavators Pile driving machine Other (specify)

2. Detailed plant and equipment list which the contractor currently has available to undertake the project. (Use as many copies as necessary.)

Detailed Plant and Equipment List

Type Capa- Age and De- Condi- Loca- Availability and owner-city preciated tion tion ship Status (Wholley or Classification Value Partly Owned, Hire Purchase, Rentals or Proposed)

(Place and Date)

(The Representative)

FORM NO. 10

STATUS OF CONTRACT IN PROGRESS

Give full information about all of your uncompleted works on current contract in progress whether prime or sub-contracts. Use as many copies as necessary.

Name of Project, Country, Client	Contract Value (Kina)	Construction Period	Prime or Sub- Contract	Work Description

TOTAL

(Place and Date)

(The Representative)

FORM NO. 11

STATEMENT OF ELIGIBILITY

(In case a joint venture or consortium is formed, all member companies shall duly fill in this form.)

		y is an eligible o %) of the shares	
national	s of		gible source
country)), and	percent (%) of	
are na	ationals of .		. (eligible
source o	country).		
·			·

FORM NO. 12

LIST OF PREQUALIFICATION FORMS TO BE

FILLED IN BY THE APPLICANT

Indicate the number of sheets duly filled in by the Applicant for each No.

Form N			Number of Sheets Prepared by the Applicant	R	emarks	
FORM 1	١٥.	1				
FORM 1	۰, 00	2				
FORM 1	νο.	3				
FORM 1	NO.	4				
FORM 1	Ю.	5				
FORM N	, OI	6				
FORM N	۰.00	7				٠.
FORM N	۰. O <i>ا</i>	8				
FORM N	١0.	9				
FORM 1	O.	10				
FORM 1	۰O،	11				
FORM N	o.	12				

(Place and Date) (The Representative)

APPENDIX A

LIST OF ELIGIBLE SOURCE COUNTRIES

APPENDIX A

LIST OF ELIGIBLE SOURCE COUNTRIES

1. JAPAN

2. ASIA

Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, Abu Dhabi, Yemen, Yemen Dem., Afganistan, Bangladesh, Bhutan, Burma, India, Maldives, Nepal, Pakistan, Sri Lanka, Brunei, Kampuchea, Hong Kong, Indonesia, Rep. of Korea, Laos, Macao, Malaysia, Philippines, Singapore, Thailand, Taiwan, Socialist Republic of Vietnam, People's Republic of China, Timor.

3. AFRICA

Algeria, Egypt, Libya, Morocco, Tunisia, Angola, Benin, Botswana, Burundi, Cameroon, Cape Verde, Central African Rep., Chad, Comoros, Congo, Equatorial Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Mozambique, Niger, Nigeria, Reunion, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, Djibouti, St Helena, Sudan, Swaziland, Tanzania, Togo, Uganda, Upper Volta, Zaire, Zambia, Zimbabwe, Ethiopia, Gabon, Gambia, Ghana, Guinea.

4. AMERICA

Canada, United State of America, Bahama, Barbados, Belize, Bermuda, Costa Rica, Cuba, Dominican Republic, El Salvador, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinque, Mexico, Netherlands Antilles, Nicaragua, Panama, St Pierre and Miquelon, Trinidad and Tobago, West Indies, Anguilla, Antigua, Cayman Islands, Dominica, Grenada, Montserrat, St Kitts-Nevis, St. Lucia, St. Vincent, Turka and Caicos Islands, Virgin Islands (Br.), Argentina, Bolivia, Brazil, Chile, Colombia, Equador, Falkland Islands, Guyana, Guiana (Fr.), Paraguay, Peru, Surinam, Uruguay, Venezuela.

5. EUROPE

Austria, Belgium, Denmark, Finland, France, Federal Republic of Germany, Italy, Netherlands, Norway, Sweden, Switzerland, United Kingdom, Cyprus, Gibraltar, Greece, Malta, Portugal, Turkey, Yugoslavia, Spain, Ireland, Iceland, Luxembourg.

6. OCEANIA

Australia, New Zealand, Cook Islands, Fiji, Kiribati, French Polynesia, Nauru, New Caledonia, Niue Island, Pacific Islands (US), Papua New Guinea, Solomon Islands, Tokelau Islands, Tonga, Tuvalu, Wallis and Futuna, Western Samoa, Vanuatu.

APPENDIX B

PROJECT DESCRIPTION

APPENDIX B

PROJECT DESCRIPTION

B.1 General

The Bereina to Malalaua Project involves the construction of 80.6 kilometres of road along the coast of Central and Gulf Provinces, and forms part of the 575km Trans-Island Highway which will link Port Moresby, the Capital of Papua New Guinea, to Lae, the second largest city of the country.

The road section of 170km from Port Moresby to Bereina is already open to the public. The end point of Malalaua is connected by the existing road to Port Kerema which is located 70km away from Malalaua.

The project will be divided into the following two (2) contract lots:

Lot I: Bereina to Miaru River Section (33.5km)

Central/Gulf Provinces.

Lot II: Miaru River to Malalaua Section (47.1km)

Gulf Province.

B.2 Bereina to Miaru River Section (Lot I)

The Bereina to Miaru River section is to be 33.5km long from CH 0+000 to CH 33+500. The proposed alignment generally traverses hilly terrain of the Inapi Ridge. This section is located over both the Central Province and the Gulf Province. The beginning point is located at Bereina and the end point is at Kwaba School near the Miaru River.

The earthworks are generally made by cutting and filling. No fill borrow pits are considered. Typical cross section of cut and fill is shown in the attached Drawings. The pavement comprises of lower subbase, cement treated upper subbase, crushed stone base course and double bituminous surface treatment. The road width is 6.5m of two carriage-way and the shoulder of 1m wide is provided at both sides. There are two subbase borrow pits and one quarry site for the base course. The covering aggregate is supplied from the river deposit located at the upstream of the Angabanga River.

There are three bridges along the road alignment. These bridges are simple composite girder types with two lane and single span of 17, 20 and 20 metres respectively. Foundation piles are friction type steel pipe piles. Main

girder sections are universal beam sections. The river protection works at the bridge section are made by gabions and reno mattresses.

The drainage pipe transversing the road embankment are 900mm to 2100mm dia. corrugated steel pipes.

The Bereina to Miaru River Section (Lot I) and the material sources are shown in the Attached Drawings.

The preliminary estimated quantities of major work items for Lot I are summarized as follows:

(a)	Clearing and	grubbing	136	ha
(b)	Earthworks	Excavation Embankment	829,000 742,000	cu.m.
(c)	Pavement	Lower subbase Upper subbase Base course Bituminous surface treatment (DBST)	44,900 30,800 44,900 220,000	cu.m. cu.m. cu.m. sq.m.
(d)	Drainage	CSP culverts	2,900	m
(e)	Bridge No.1 Taiena Bridge	Steel pipe pile 500mm dia. Formwork Steel reinforcement Concrete	150 320 21 140	m sq.m. ton cu.m.
	er en	Structural steel Gabions and reno mattresses	23 52	ton cu.m.
(g)	Bridge No.2 Agobino Bridge	Steel pipe pile 500mm dia. Formwork Steel reinforcement Concrete Structural steel Gabions and reno mattresses	130 340 22 87 33 70	sq.m. ton cu.m. ton cu.m.
(h)	Bridge No.3 Ungongo Bridge	Steel pipe pile 500mm dia. Formwork Steel reinforcement Concrete	200 360 25 160	m sq.m. ton cu.m.
		Structural steel Gabions and reno mattresses	33 84	ton cu.m.

B.3 Miaru River to Malalaua Section (Lot II)

The Miaru River to Malalaua section is to be 47.1km long from CH 33+500 to CH 80.596. The proposed alignment traverses hilly terrains such as Apanaipi Ridge, Palippala Hills and Ilabara Hills, and soft ground areas and swamp areas. About 20 percent of the alignment is situated in the swamp area. The beginning point of CH 33+500 is located at the left side about 300m away from the Miaru River and the end point is at Malalaua.

On the hilly terrains, the earthworks are made cutting and filling, and borrow for the part of alignment. The earthworks in the swamp area and on soft ground area are generally made by embankment of borrow material. There are seven fill borrow pits and one stock pile. The soft ground sections including swamp area sections require filling countermeasures, i.e., clearing and grubbing in the swamp area, geotextile fabric, sand mat filling, sand bags and field observation of settlement, etc. There are three sand borrow pits which are located at Ilabara Hill and seashore. Typical cross section of cut and fill is shown in the Attached Drawings. The cross section for soft ground is also shown in the Attached Drawings.

The pavement comprises lower subbase, cement treated upper subbase, cement treated base course and double bituminous surface treatment. The road width is 6.5m of two carriage-way and the shoulder of 1m wide is provided at both sides. One subbase borrow pit and one base borrow pit are provided near Malalaua. The covering aggregate is supplied from the river deposit located at the upstream of Tauri River.

There are six bridges with single lane along the road alignment, of which four are simple composite girder bridges of 234m in total while two are continuous composite girder bridges of 240m in total. The simple composite girder bridges comprise two spans and three spans respectively. The continuous composite girder bridges comprise three spans each. Foundation piles are friction type steel pipe piles for four bridges while for the other two bridges are cast-in-situ bored piles. Main girder sections are built up plate girder sections for three bridges and the remaining universal beam sections. The river protection works at the bridge section are made by gabions and reno mattresses.

The drainage pipes transversing road embankment are 900 to 2100mm dia. corrugated steel pipes.

The Miaru River to Malalaua section (Lot II) and the material sources are shown in the Attached Drawings.

The preliminary estimated quantities of major works for Lot II are summarized as follows:

	•			-
	The state of the s			
(a)	Clearing and			_
		Dry land area	159	ha
		Swamp area	27	ha
	•	Borrow pits	16	ha
(b)	Earth Works	Excavation	261,000	cu.m.
(0)	Editin Motics	Embankment	592,000	cu.m.
		(inc. borrow)		
		Borrow	353,000	cu.m.
		Sand mat and sand	172,000	cu.m.
		fill		
		Geotextile fabric	366,000	sq.m.
		Reno mattresses	1,300	cu.m.
1-1	D	Y	61 600	
(c)	Pavement	Lower subbase Upper subbase	61,600 42,400	cu.m.
		Base course	60,900	cu.m.
		Bituminous surface	316,000	sq.m.
		treatment (DBST)	010,000	
())	_	000	0 000	
(d)	Drainage	CSP culverts	3,830	m
		subsoil drain	5,600	m.
(e)	Bridge No.4	Steel pipe pile 600	340	m
(0)	Miaru	and 800mm dia.	0.10	•
	Bridge	Formwork	760	sq.m.
		Steel reinforcement	44	ton
		Concrete	251	cu.m.
		Structural steel	98	ton
		Gabions and reno	430	cu.m.
		mattresses		
(2)	Dudden No. 5	Staal nine nile 500	340	m
(f)	Bridge No.b Kapuri	Steel pipe pile 500 and 800mm dia.	340	m
	Bridge	Formwork	580	sq.m.
	DITUEC	Steel reinforcement	37	ton
	·	Concrete	200	cu.m.
		Structural steel	57	ton
(g)	Bridge No.6	Cast-in-situ bored pi	le 320	m
	Lakekamu	800 and 1000 mm dia	222	
	Bridge	Formwork	930	sq.m.
		Steel reinforcement	79	ton
		Concrete	350 119	cu.m. ton
		Structural steel	119	LOH
(h)	Bridge No.7	Cast-in-situ bored pi	le 310	m
(*1)	Tauri	800 and 1000 mm dia		
	Bridge	Formwork	780	sq.m.
		Steel reinforcement	79	ton
	•	Concrete	350	cu.m.
	•	Structural steel	119	ton

(i)	Bridge No.8 Makara	Steel pipe pile 500 and 800 mm dia.	360	m.
	Bridge	Formwork	410	sq.m.
		Steel reinforcement	24	ton
:		Concrete	150	cu.m.
-		Structural steel	38	ton
(j)	Bridge No.9 Sappaharo	Steel pipe piles 500 and 800mm dia.	420	m
	Bridge	Formwork	450	sq.m.
		Steel reinforcement	23	ton
		Concrete	140	cu.m.
		Structural steel	38	ton

B.4 General Information

(1) Climate

The climate over the project area is tropical and monsoonal only for two seasons, the wet and the dry, regulated by northwest and southeast airstreams, respectively. The wet season normally extends from December to April. Annual rainfall varies between 1200mm and 1600mm except Port of Kerema (3612mm). Mean monthly temperature is 26°C varying from 36.8°C maximum to 10.4°C minimum.

(2) Access by Roads

The Hiritano Highway runs about 170km from Port Moresby to Bereina and is available for the access of the Work Lot I. Another access road of about 42km connects the section between Bereina and Apanaipi through Iokea for the end point of Lot I. This route is also available for the access of Work Lot II.

The end point of Lot II, Malalaua, is connected by the existing road about 42km from Port of Kerema to Malalaua. Port of Kerema is very important for the transportation of the Work Lot II.

(3) Access by Waterways

The waterway from Port Moresby to Port of Kerema is one of the most reliable ways to the Lot II work site. 50 tonne cargo ships are available throughout the year between both ports. Other barge type ships are also available for sea transportation along the coast. No unloading/loading equipment is at Port of Kerema. In the Lot II work site, there are many river waterways such as Miaru River, Lese Estuary, Kapuri River, Lakekamu River and Tauri River. According to the river conditions and water depth, the Lakekamu River and the Lese Estuary are good river transportation routes from the sea.

(4) Access by Airways

Airfields are located at Bereina, Iokea, Lese Oalai, Terapo Mission, Malalaua and Kerema in the project area. A daily regular flight is scheduled by Talair. However, this flight does not operate because of lack of passengers due to the opening of the Hiritano Highway in 1985. Access by helicopter is the most convenient way into the project area.

(5) Availability of Materials

Portland cement is not produced in Papua New Guinea and is normally distributed through local importing agencies in bagged form. There are no bulk storage facilities.

Reinforcing steel and structural steel are not produced in Papua New Guinea but local merchants hold reasonable stocks of common structural steel sections and reinforcing steel.

Bitumen for road surfacing is not produced in Papua New Guinea but is imported by major oil companies in barrel form.

Concrete and nestable corrugated metal pipe culverts are manufactured in Lae. Multiple and other metal pipe products are usually imported from Australia or Japan through local importing agencies.

Local timber is readily available, Papua New Guinea being a major exporter, but processed timber products are frequently imported.

(6) Availability of Construction Equipment

Most leading construction equipment manufacturers have agents in Papua New Guinea. The equipment items such as bulldozers, shovels, graders, dump trucks, etc. are available ex stock, and spare parts are generally available in the major centres of Port Moresby and Lae.

(7) Availability of Labour

Skilled labour for use on major highway projects is scarce and the contractors will be required to undertake certain training commitments in terms of the Employment (Training and Regulation) Act.

It is the Government's policy to increase employment for Papua New Guineans by regulating the employment of expatriates in jobs which Papua New Guineans can do, or could be trained to do, within a reasonable time. Expatriates are now prohibited from employment in some occupations and their employment is restricted in a number of other jobs. The Act, at the discretion of the Minister

for Labour, provides for exemption in special circumstances and it is the Government's policy to facilitate the entry of essential expatriate employment projects in the country.

(8) Legal

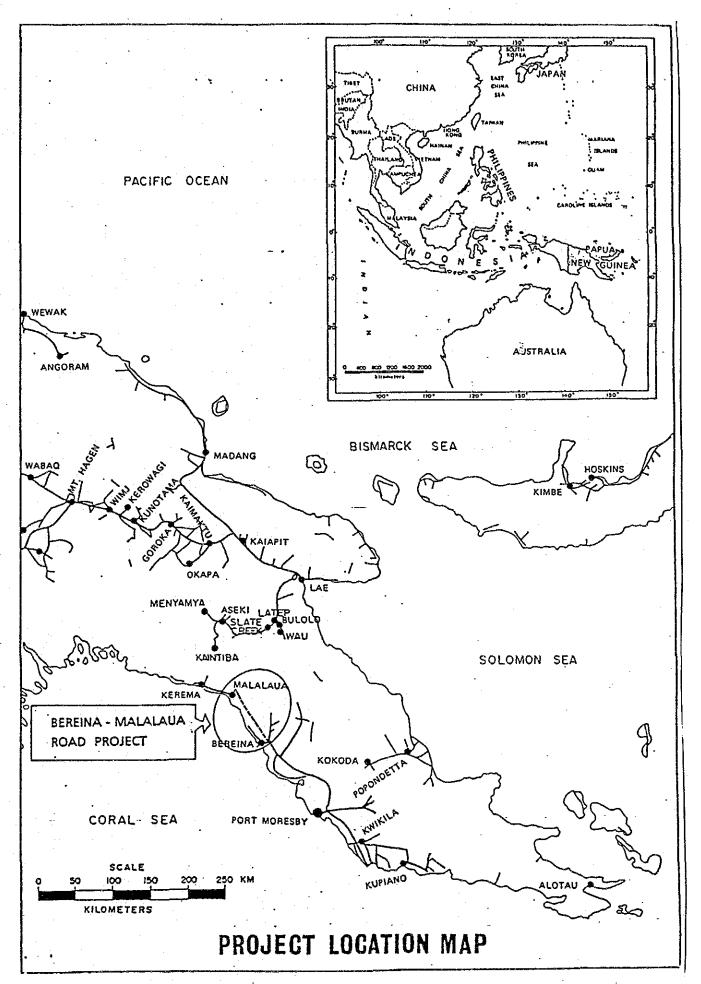
Contractors intending to apply to prequalify are advised to familiarise themselves with the requirements of the Employment Act as well as other statutes governing company activities, taxation, overseas remittances and the like.

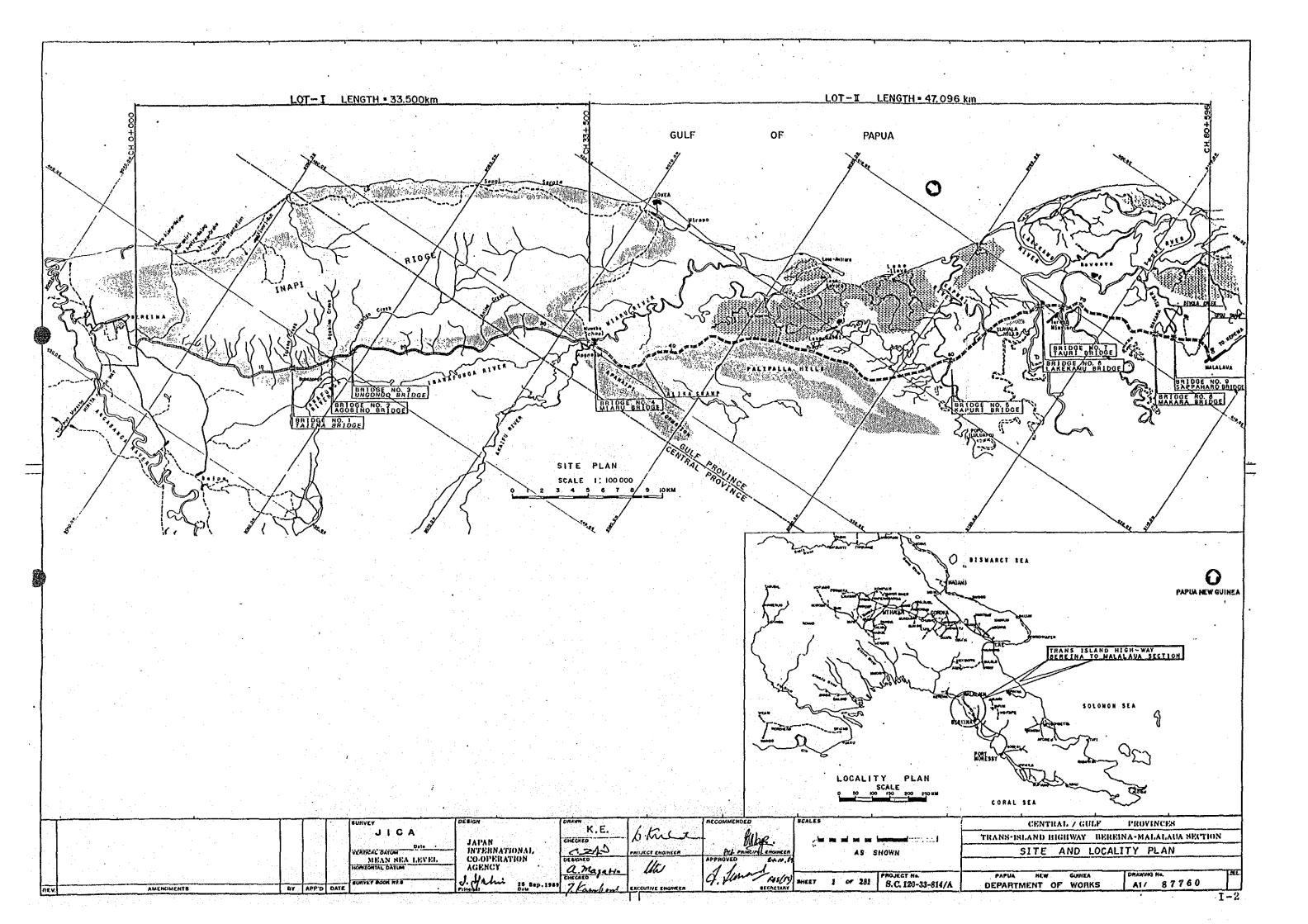
The projects will be let under the Conditions of Contract for Civil Engineering Construction, Department of Works, 1st Edition, April 1988 and will be governed by the laws of Papua New Guinea.

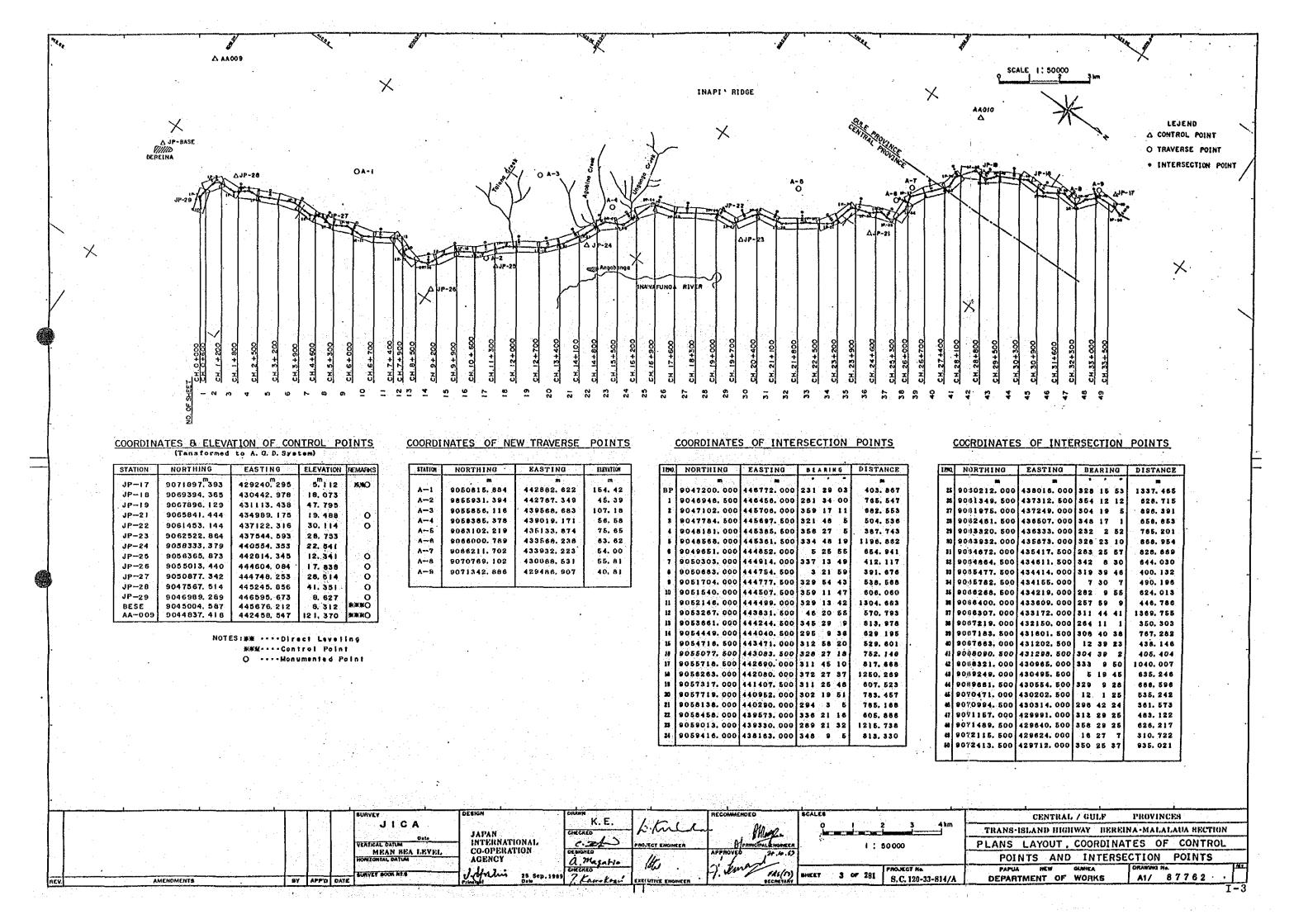
ATTACHED DRAWINGS

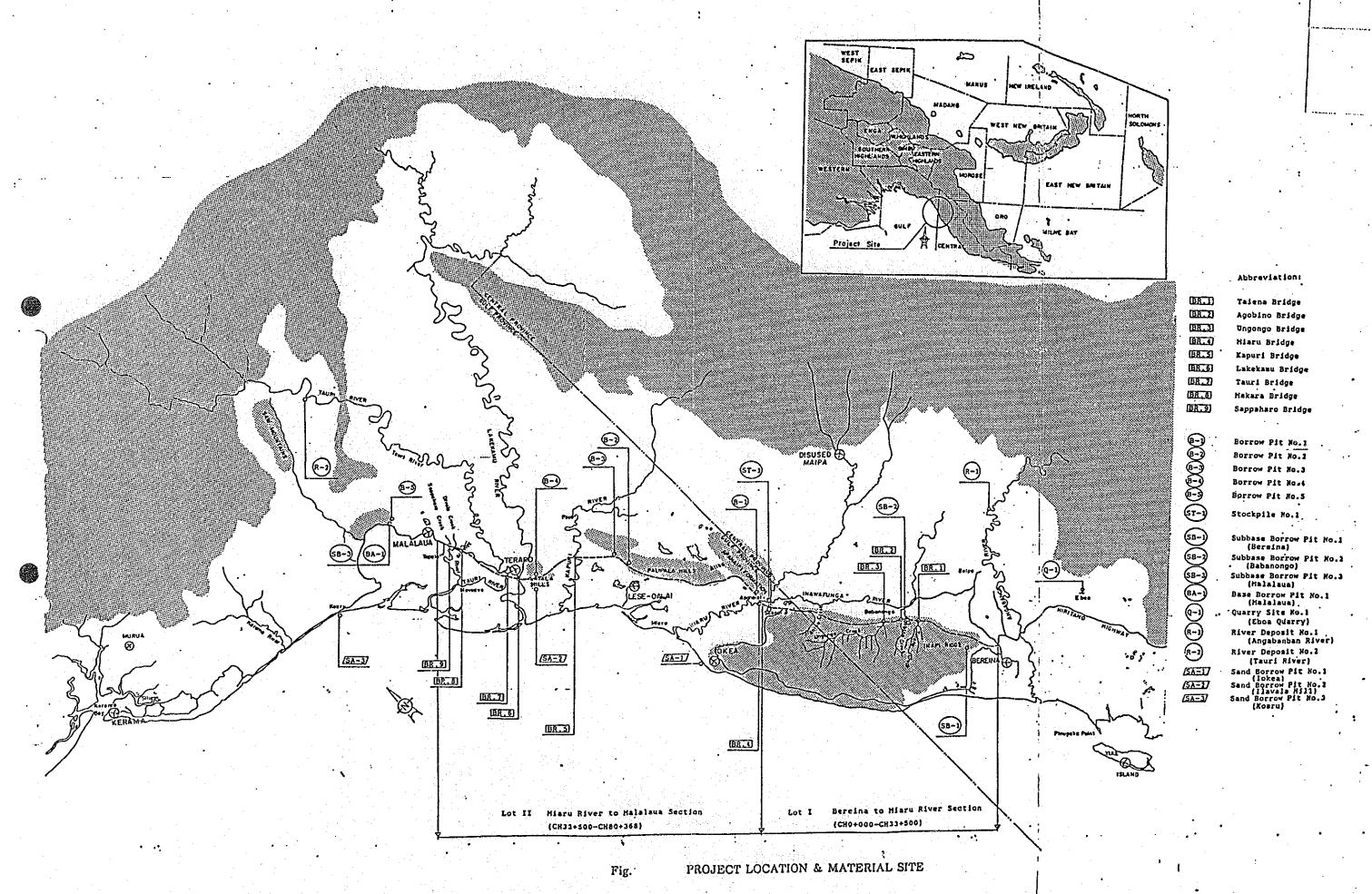
LOT I

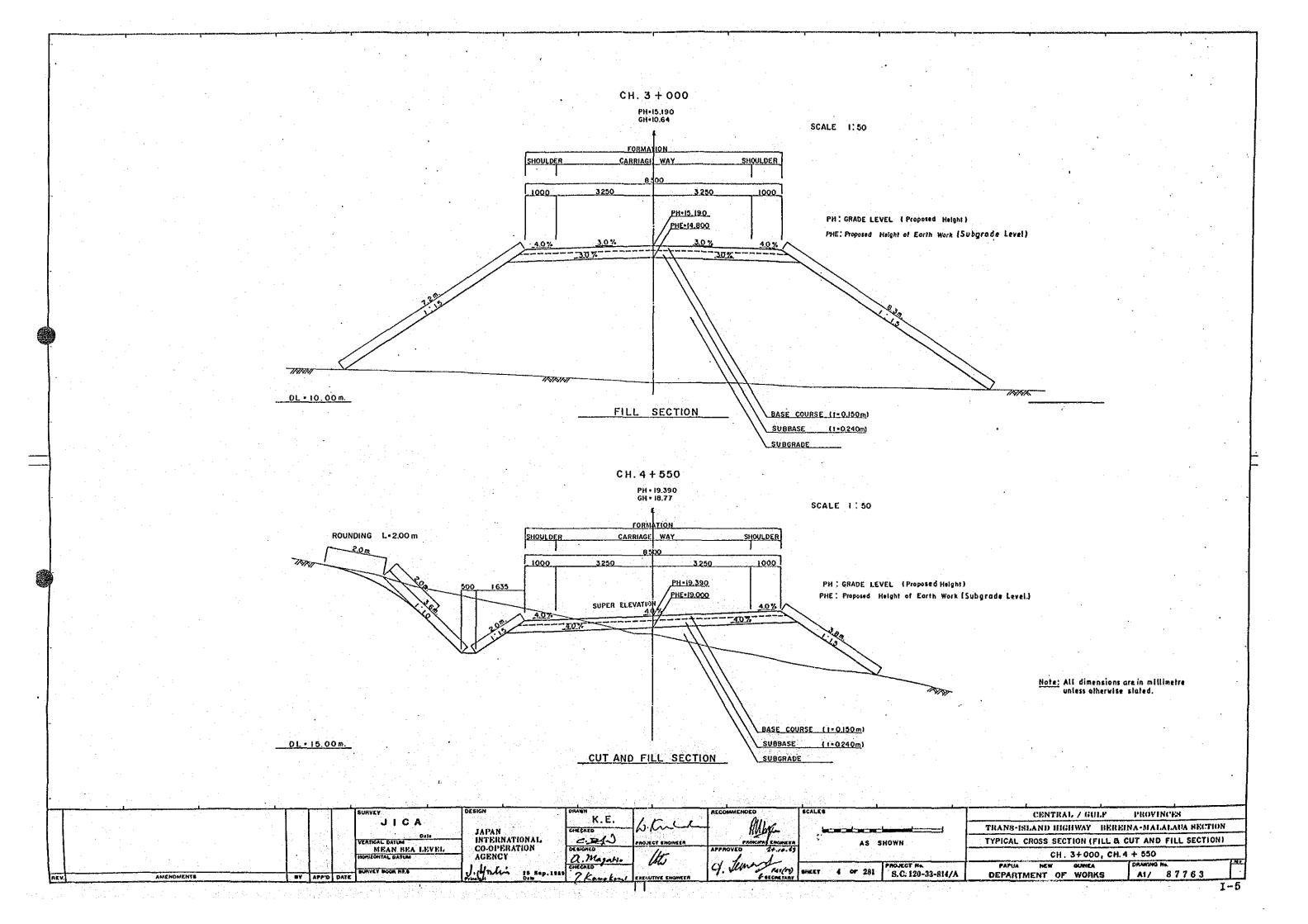
BEREINA TO MIARU RIVER SECTION CONTRACT NO. SC 120-33-814/A CH 0+000 TO CH 33+500

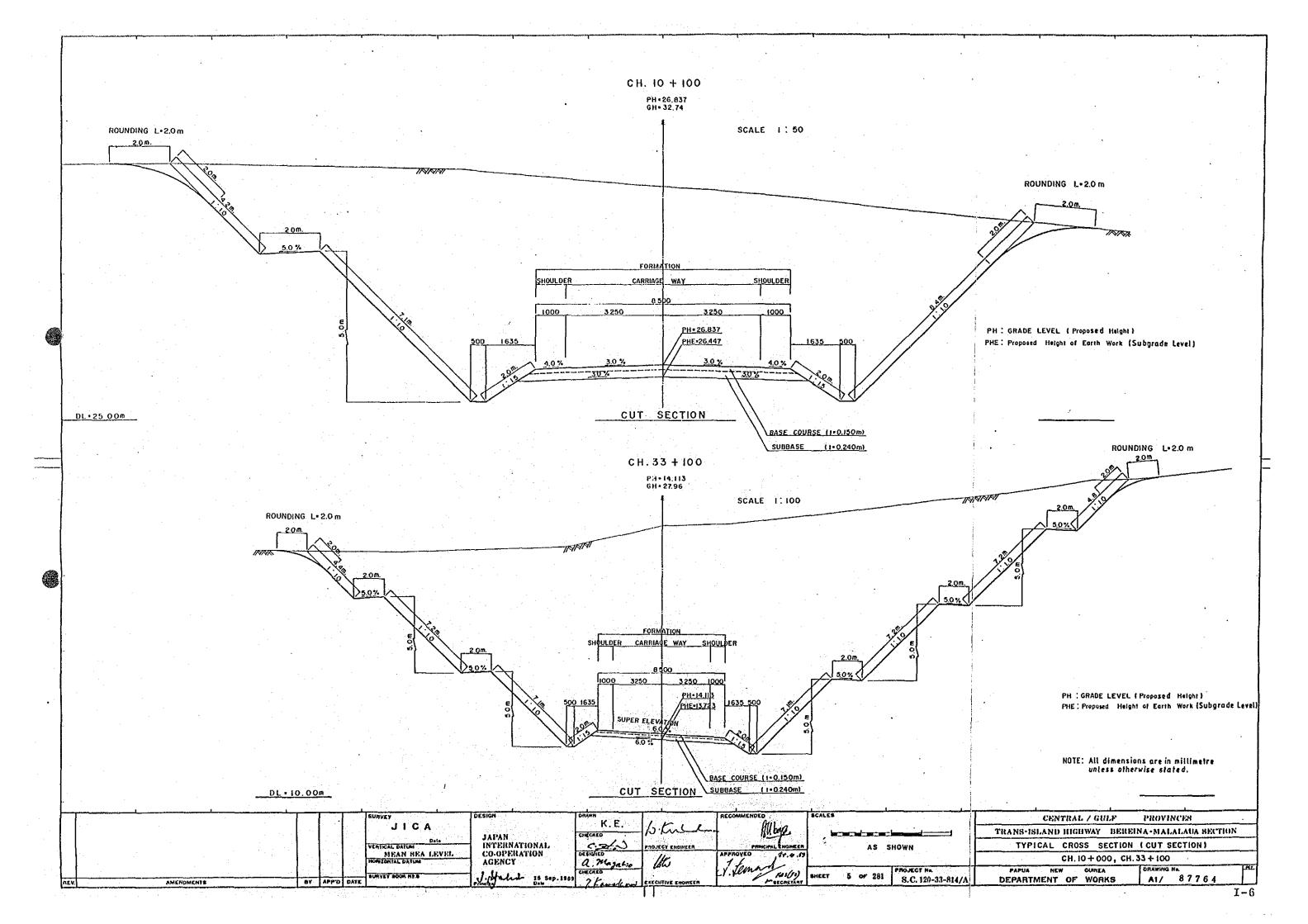


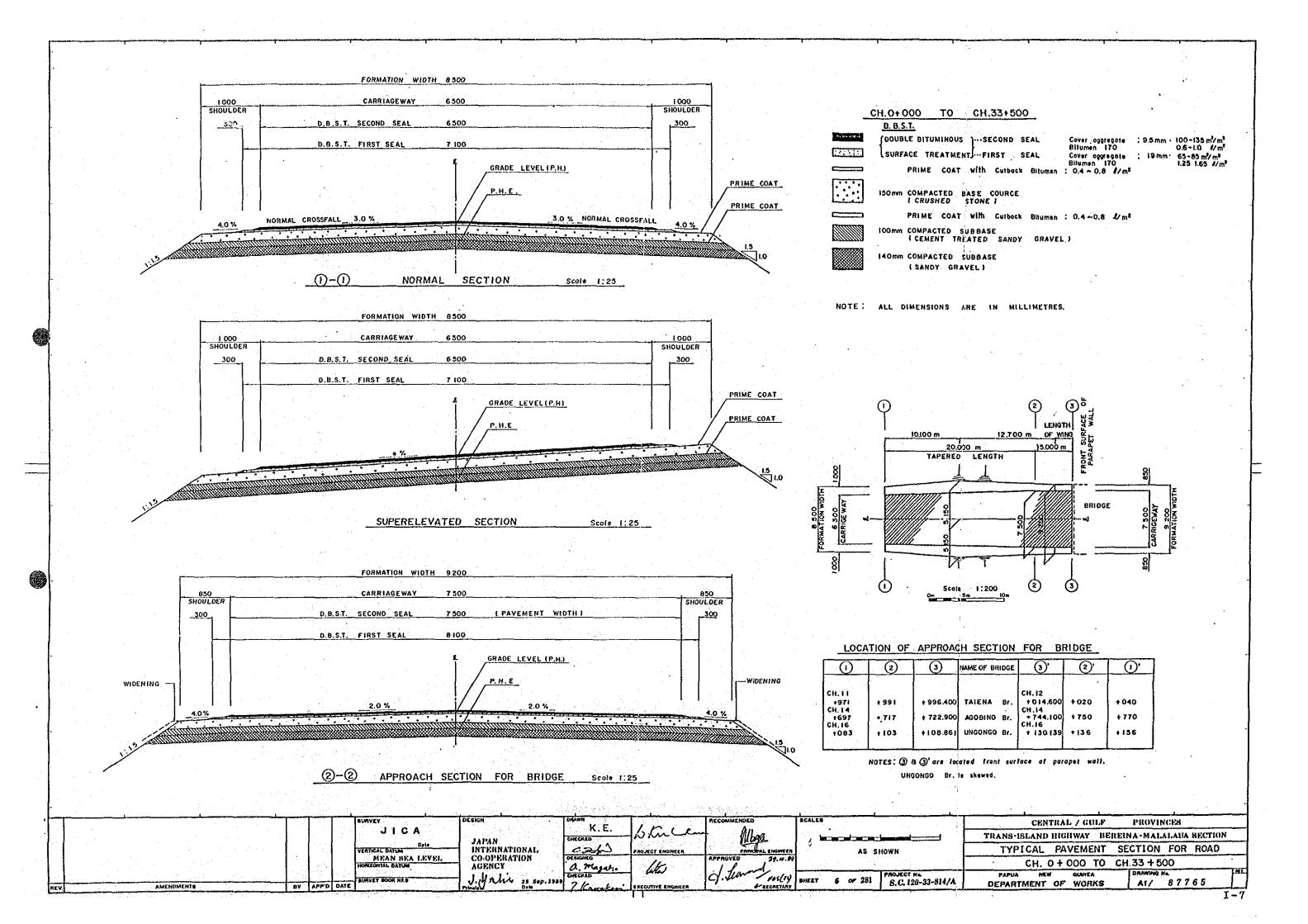


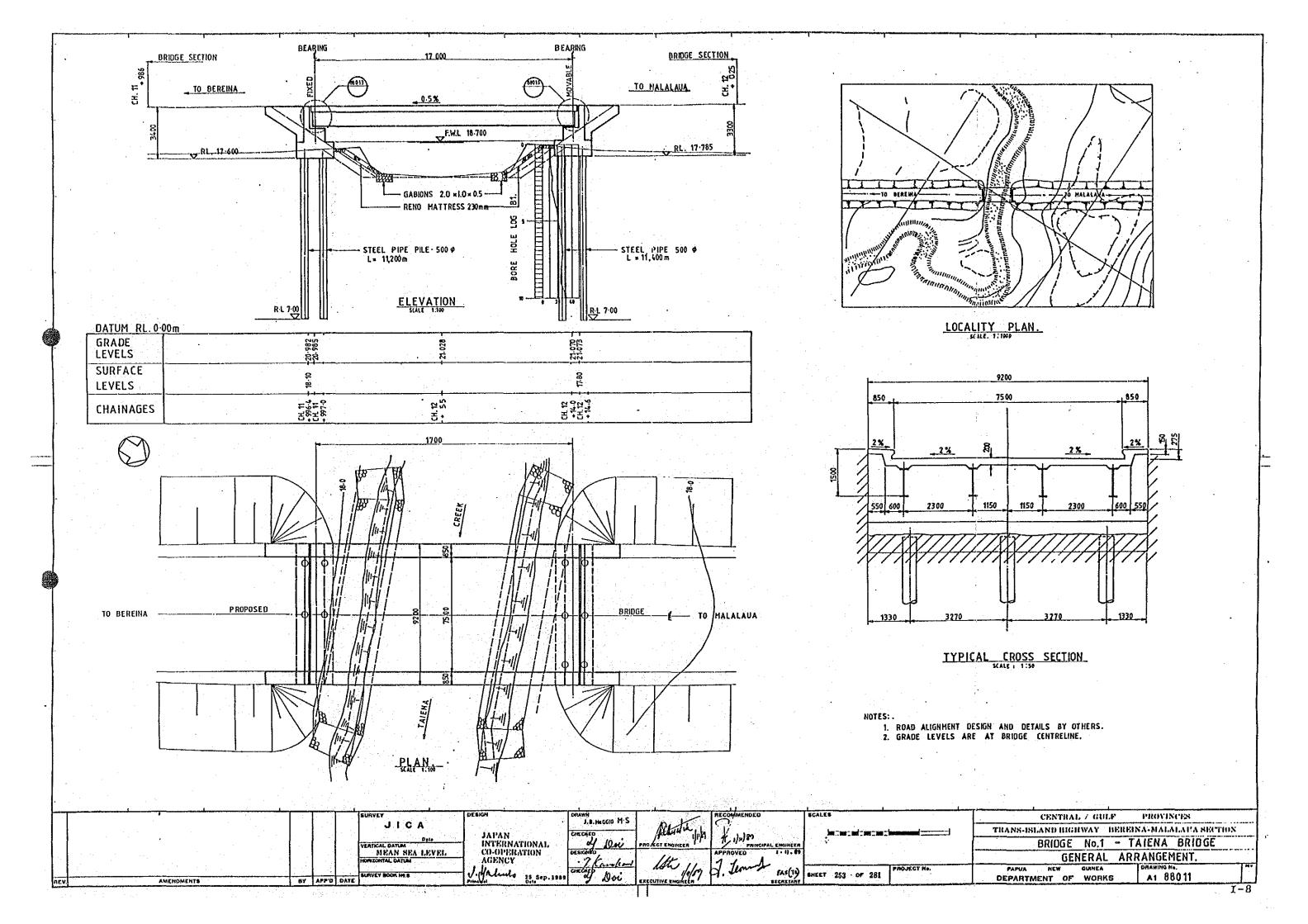


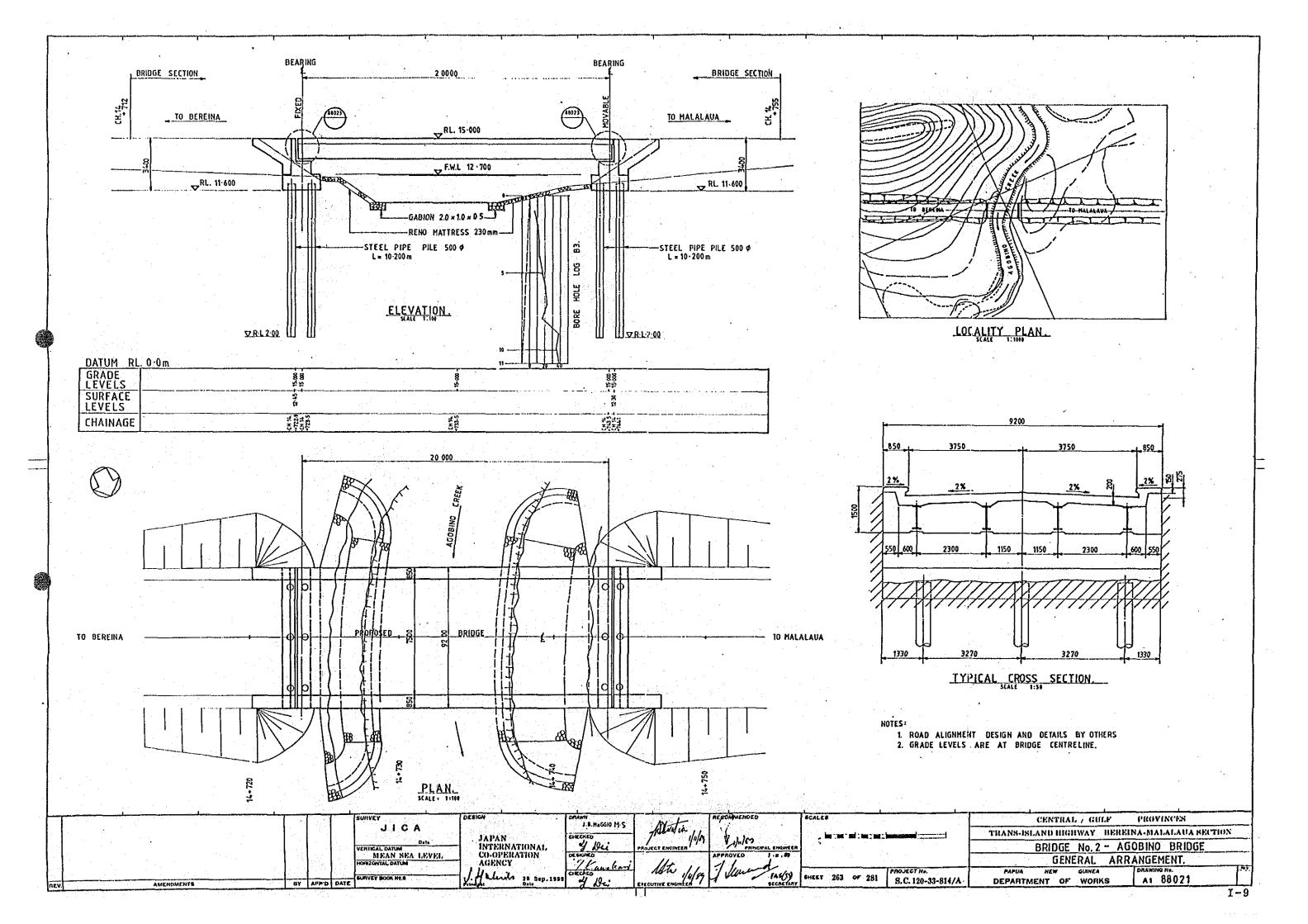


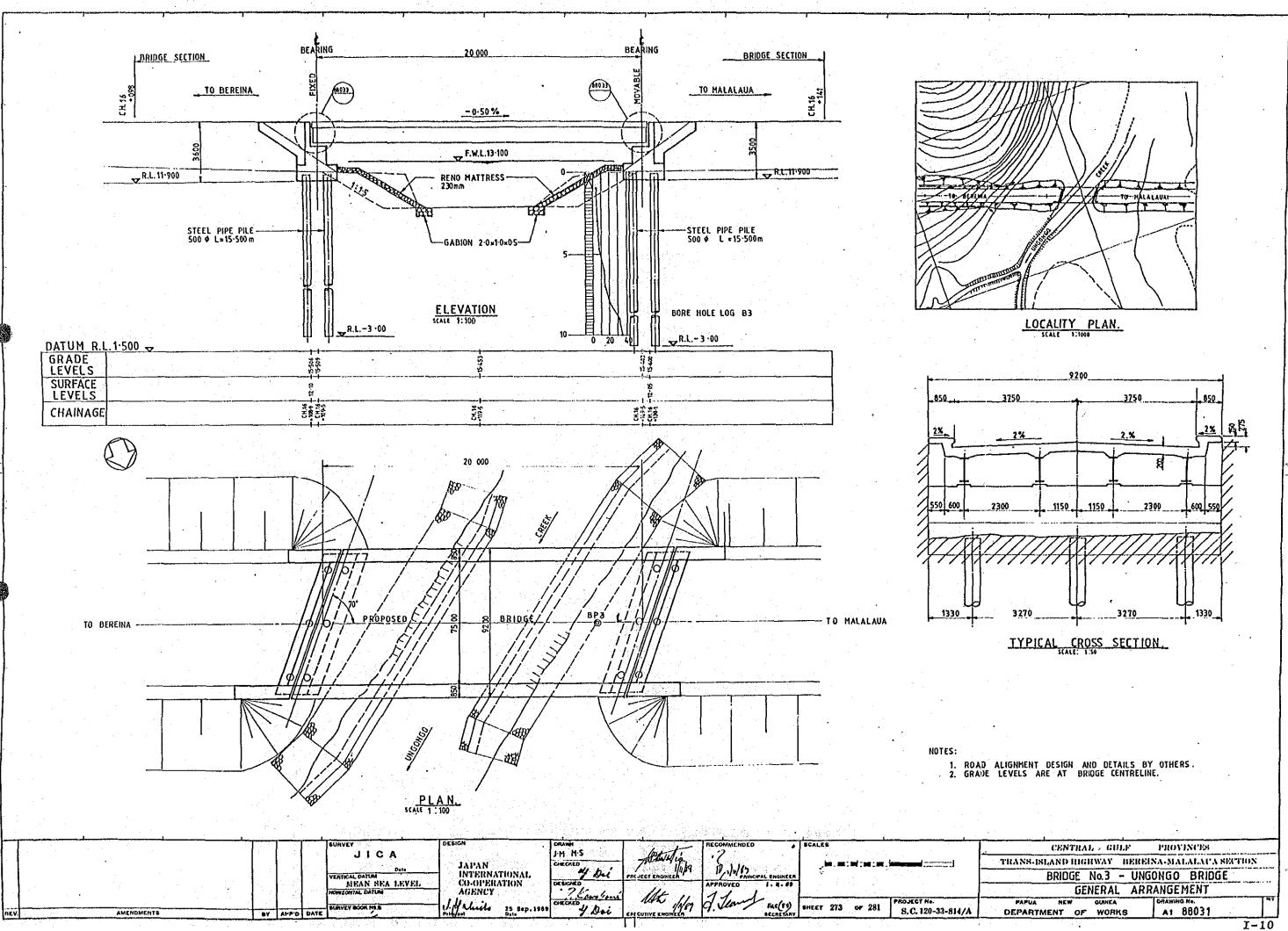












LOT II

MIARU RIVER TO MALALAUA SECTION CONTRACT NO. SC 120-33-814/B CH 33+500 TO CH 80+596

