



GENERAL AUTHORITY
FOR ROADS, BRIDGES AND LAND TRANSPORT
MINISTRY OF TRANSPORT AND COMMUNICATIONS
THE GOVERNMENT OF THE ARAB REPUBLIC OF EGYPT

THE PROJECT FOR CONSTRUCTION OF
THE SUEZ CANAL BRIDGE
IN EGYPT

PREQUALIFICATION DOCUMENTS
(EGYPTIAN PORTIONS)

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January 1997

PREPARED BY
PACIFIC CONSULTANTS INTERNATIONAL
CHODAI CO., LTD.

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(Notice for Application)

THE GOVERNMENT OF THE ARAB REPUBLIC OF EGYPT
MINISTRY OF TRANSPORT AND COMMUNICATIONS
GENERAL AUTHORITY FOR ROADS, BRIDGES AND LAND TRANSPORT

INVITATION TO PREQUALIFY FOR THE TENDER
FOR
THE PROJECT FOR CONSTRUCTION OF THE SUEZ CANAL BRIDGE
(EGYPTIAN PORTION)

The General Authority for Roads, Bridges and Land Transport on behalf of the Government of the Arab Republic of Egypt announces the Prequalification for Tender for the Construction of the Suez Canal Bridge at Qantara (48.5 km from Port Said).

The project consists of three sections comprising a central section, west side approach and east side approach sections over the Suez Canal. The central section will be constructed under another contract utilising Japanese Grant aid and this prequalification only applies for the two approach sections of the bridge. The East section consists of a multi-span prestressed concrete bridge of 880 m length and approach roads of 3745 m length, while the West section consists of a multi span PS concrete bridge of 1180 m length and approach roads of 1562 m length.

The applicants shall be required

- (1) To be a general civil engineering contractor duly established and registered under the laws of Egypt. Association with experienced foreign contractors for structures of more than 45 m height will be recommended.
- (2) To be able to demonstrate that they have made a profit before or after tax in the last three years.
- (3) To have completed more than 3 construction projects of a similar nature each with a value of at least 10 million US dollars in the last ten (10) years, in either the domestic or overseas markets.
- (4) To include on their permanent staff at least 50 experienced and qualified civil engineers.

Pre-qualification documents are available from 8 am to noon on 19 December 1996 at the following office.

General Authority for Roads, Bridges and Land Transport

105 Kasr El Aini Street , Cairo, Egypt
Telephone: 355 7429/ 354 9168/ 354 2312
Facsimile:

Contact: Gen. Eng. Fouad Abel Aziz KHALIL, Chairman
Eng. Mohamed Abdel Moneim SHARAF, Director , Bridges Dept.

The completed application form is to be submitted to the above office by noon on January 15, 1997.

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Form 3: Financial Statement	FIDIC Form E
Form 4: Resources	FIDIC Form G, H, I, J,
Form 5: List of Experience of Similar Work	FIDIC Form L & M
Form 6: Joint Venture (if applicable)	FIDIC Form F
Form 7: Additional Information	FIDIC Form N
: Company Annual Report	

INSTRUCTIONS TO APPLICANTS

1. Background to the Project.

The present crossing systems of the Suez canal, which consist of the Ahmed Hamdi tunnel and seven ferry boat systems will reach their capacity with the increase in the future forecast road traffic following the development proposed under the National Project for the Development of Sinai (NPDS).

The ferry boats cross the canal by making use of the gaps in the convoys, which are controlled by the Suez Canal Authority, but this system is reaching its limit, and the ferry boats can no longer increase their services without endangering the passage of ships transiting the canal.

The purpose of the Project is to construct a road bridge over the Suez Canal at Qantara. - See Fig. 1.

The construction of the proposed bridge will permit safe and reliable crossing of the canal regardless of future increases in the road traffic. Building a bridge across the Suez Canal at Qantara, will not only connect the African continent with Asia but also relieve the pressure on the existing crossing systems.

The Suez Canal Bridge construction has been divided into three distinct sections, and the tenders and the construction will be conducted separately but virtually concurrently.

The Central section of the crossing will be constructed under another ` utilising Japanese Grant (hereinafter referred to as the Japanese Portion).

Applicants are invited to pre-qualify for the Tender for the construction of the two other sections comprising multi span approach bridges and approach roads on either side of the Japanese Portion, which are to be constructed using Egyptian Government funding (hereinafter referred to as the Egyptian Portion).

It is recommended to associate with foreign contractors who have experience and equipment for such works, since the Works include the construction of piers and super structure segment at heights above 45 meters using special equipment such as high reach cranes, movable scaffolding and sliding shuttering, and to need to fulfil the required implementation schedule.

This prequalification shall apply to both of these sections, and the pre-qualified applicants may participate in the Tender of the Works of either of these two sections.

2. Scope of Works.

The scope of works covered by the two projects of the Egyptian Portion (hereinafter referred to as "the Works") consists of the two sections of approach roads and multi-span bridges one section on the East Bank the other on the West Bank of the Suez Canal.

The Construction period for these two sections is to be ;

- 1) West Bank Approaches = 42 months
- 2) East Bank Approaches = 37 months

Whilst the detailed design of the Project is not yet finalised, the Project can be summarised as follows:

(1) Outline of the East Bank Section. - Refer to Fig. 2.

<u>Approach Bridge</u>	- Average vertical gradient = 3.3%
Bridge length	: 880 m.
Span length	: 40 m (standard)
Effective width	: 16.3 meter.
Bridge type	: PSC box girder, continuous rigid frame type, cast in-situ.
Superstructure	: Total 22 spans : 1 Continuous rigid frames bridge of 7 spans & 3 Continuous rigid frames bridge of 5 spans
Substructures	: Reinforced concrete structures, 21 piers and 1 abutment.
Foundation	: Cast-in-place concrete piles, Dia. = 1.5 meter. Number = 400 approximately. Cast-in-place of 21 pile caps
Pavement	: Asphalt Concrete, 7 cm thick.
<u>Approach Roads</u>	- Maximum vertical gradient = 3.3%
Road length	: 3745 m. (curved and straight horizontal alignment) with high embankment section (greater than 3 m high) of 550 m.
Effective width	: 19.6 m (standard) and 17.6 m at high embankment sections
Max. embankment height	: Approximately 20 meters.
Embankment slope	: 2:1(H:V), benched approximately every 5 m height
Embankment Protection	: Stone pitched slope protection.

Applicants are requested to take note of the height of the piers which, at the maximum, will be in excess of 45 meters.

(2) The Outline of the West Bank Section.- Refer to Fig. 3.

<u>Approach Bridge</u>	- Average vertical gradient = 3.3%
Bridge length	: 1180 m.
Span lengths	: 40 m, 38.8 m, 37.25 m and 30.5 m.
Effective width	: 16.3 meter.
Bridge type	: PSC box girder, continuous rigid frame type, and continuous girder type.
Superstructure	: Total 31 spans : 1 Continuous rigid frames bridge of 7 spans , 1 Continuous rigid frames bridge of 6 spans, 2 Continuous rigid frames bridge of 5 spans and 2 Continuous rigid frames bridge of 4 spans.
Substructures	: Reinforced concrete structures, 30 piers and 1 abutment.
Foundation	: Cast-in-place concrete piles, Dia. =1.5 meter, Number = 600 approximately. Cast-in-place of 30 pile caps
Pavement	: Asphalt Concrete 7 cm thick.
<u>Approach Roads</u>	- Maximum vertical gradient = 3.3 %
Road length	: 1562 m. Horizontal circular curve radius R= 450m with high embankment section (greater than 3 m high) of 200 m.
Effective width	: 19.6 m (standard) and 17.6 m at high embankment sections.
Max. embankment height	: Approximately 10 meters.
Embankment slope	: 2:1 (H:V) , benched approximately every 5 m height.
Embankment Protection	: Stone pitched slope protection.

Applicants are requested to take note of the height of the piers which, at the maximum, will be in excess of 45 metres.

3. Conditions of Prequalification.

Applicants wishing to pre-qualify for the construction tender are required to satisfy the following conditions.

1. Corporation status.

Qualified tenderers shall be civil engineering construction firms who are registered with the General Authority for Roads, Bridges and Land Transport (GARBLT) in Egypt and who have the required license for construction contracts for either direct works and/or for subcontracting. A Joint Venture is recommended, provided that the lead firm is qualified as stated above.

2. Financial status.

The Financial status of the applicant must be demonstrated as being solvent and free of any indebtedness.

Applicants are required to submit business experience records, and financial statements for the last three (3) consecutive years, in English, comprising balance sheets, and profit and loss statements, and receipts for completed construction for the last three (3) consecutive years.

4. Experience in construction contracts.

Qualified tenderers shall have experience of at least 3 construction contracts for bridge works, either domestic or overseas, with the contract price equivalent to US\$ 10 million or greater during the last ten years, in either the role of prime contractor or as a sub-contractor.

5. Number of qualified engineers.

Qualified tenderers shall have on their permanent staff more than 50 engineers who have been licensed for the following:

- ◆ Registered Civil Engineers
- ◆ Registered Building Service Engineers

4. Required Documents for Prequalification

The applicants for prequalification shall be required to submit the following documents in duplicate, which shall be prepared in accordance with the attached forms and written in the English language.

The application and all accompanying documents shall be delivered by hand to the address below not later than the closing time specified in the Invitation to Pre-qualification for the Tenderers of this Prequalification Document.

1. Application Letter	attached Form 1
2. General Information on Applicant	FIDIC Form C & D
3. Financial Statement	FIDIC Form E
4. Resources : Personnel	FIDIC Form G & H
5. Resources : Plant	FIDIC Form I
6. Resources : Other	FIDIC Form J
7. Relevant Experience on completed projects	FIDIC Form L
8. Relevant Experience on projects in progress	FIDIC Form M
9. Joint Venture (if applicable)	FIDIC Form F *
10. Additional Information	FIDIC Form N
11. Company Brochure/Annual Report	--

* In case of Joint Ventures, forms from 2 to 8 shall be submitted for each of the companies. FIDIC Form A, B and K need not be submitted.

5. Association with Foreign Contractors

In case of association with experienced foreign contractors, the P/Q application should include the same documents for the associated foreign contractor. The evaluation of the P/Q document will be made taking into consideration both the qualifications of the Egyptian contractor and the associated Foreign contractor.

6. Notification of Applicants

All applicants who satisfy the conditions of prequalification shall be notified within one (1) week after submission of their successful application. Unsuccessful applicants shall also be notified in the same period.

7. Future Timetable of Events

The Contract Tender Documents shall be delivered to all prequalified applicants by the end of January, 1997. Fixed schedule of all events will be stipulated in the Tender Documents.

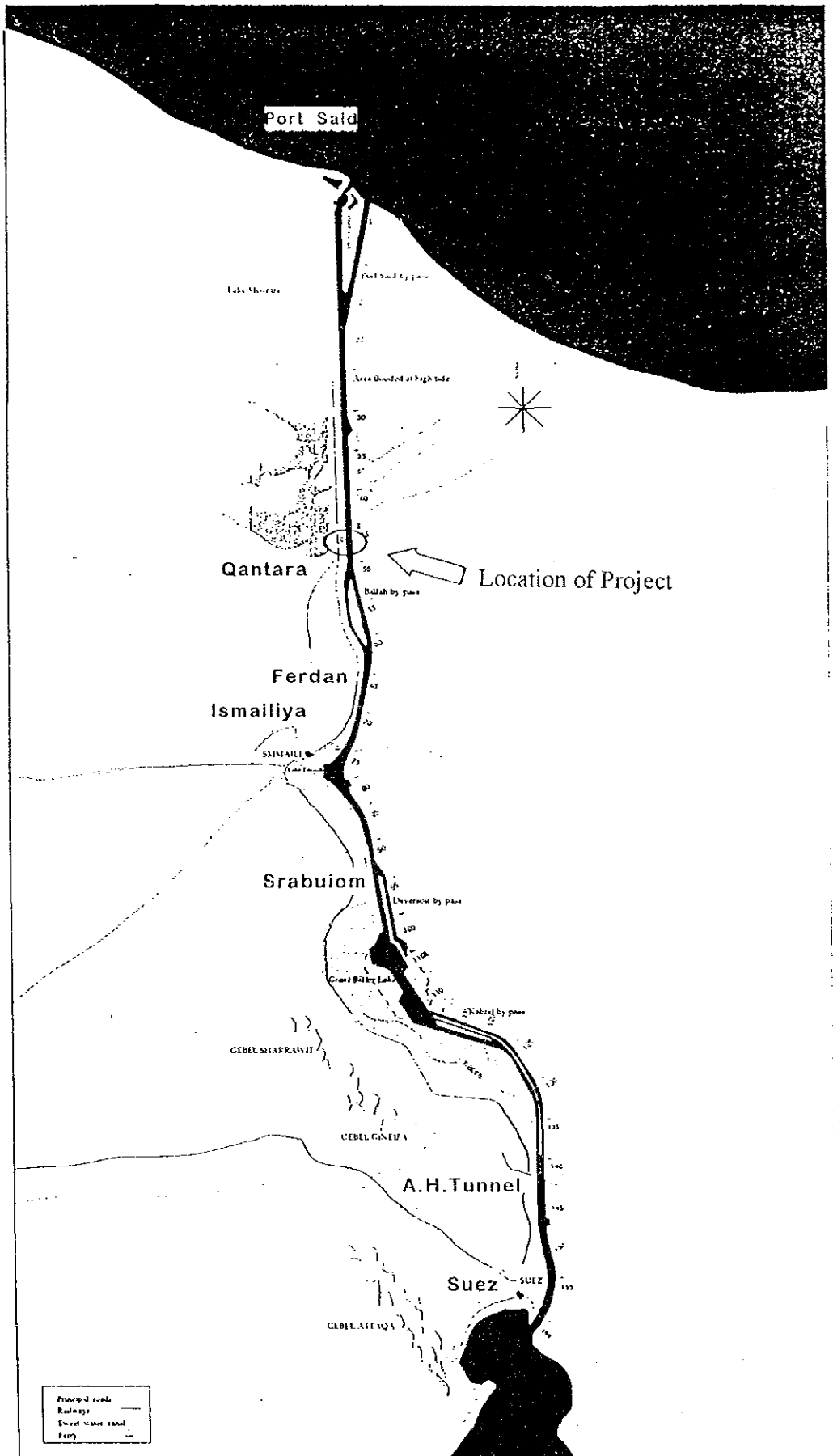


Fig. 1. Location Plan

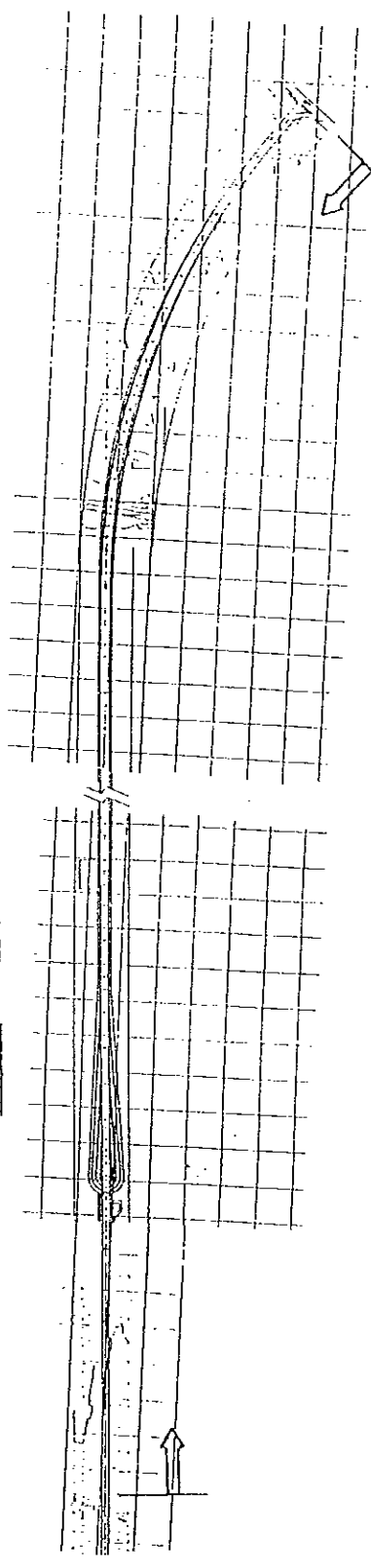
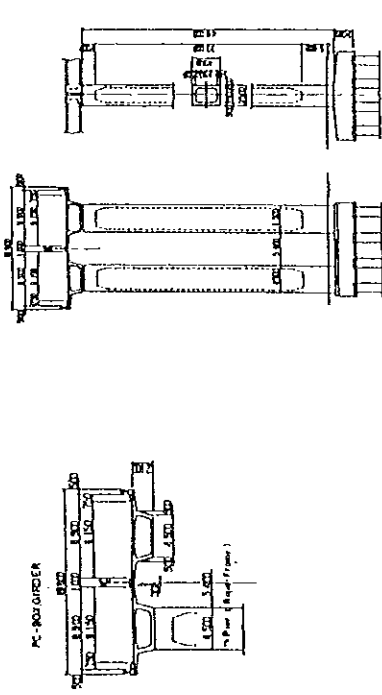
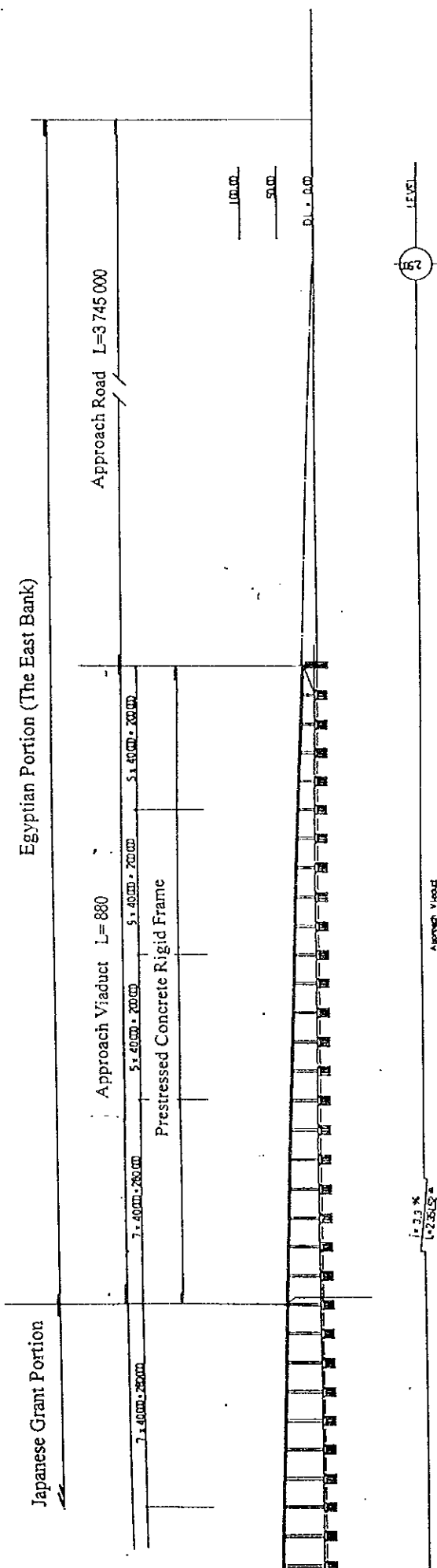


Fig. 2. East Bank Approaches

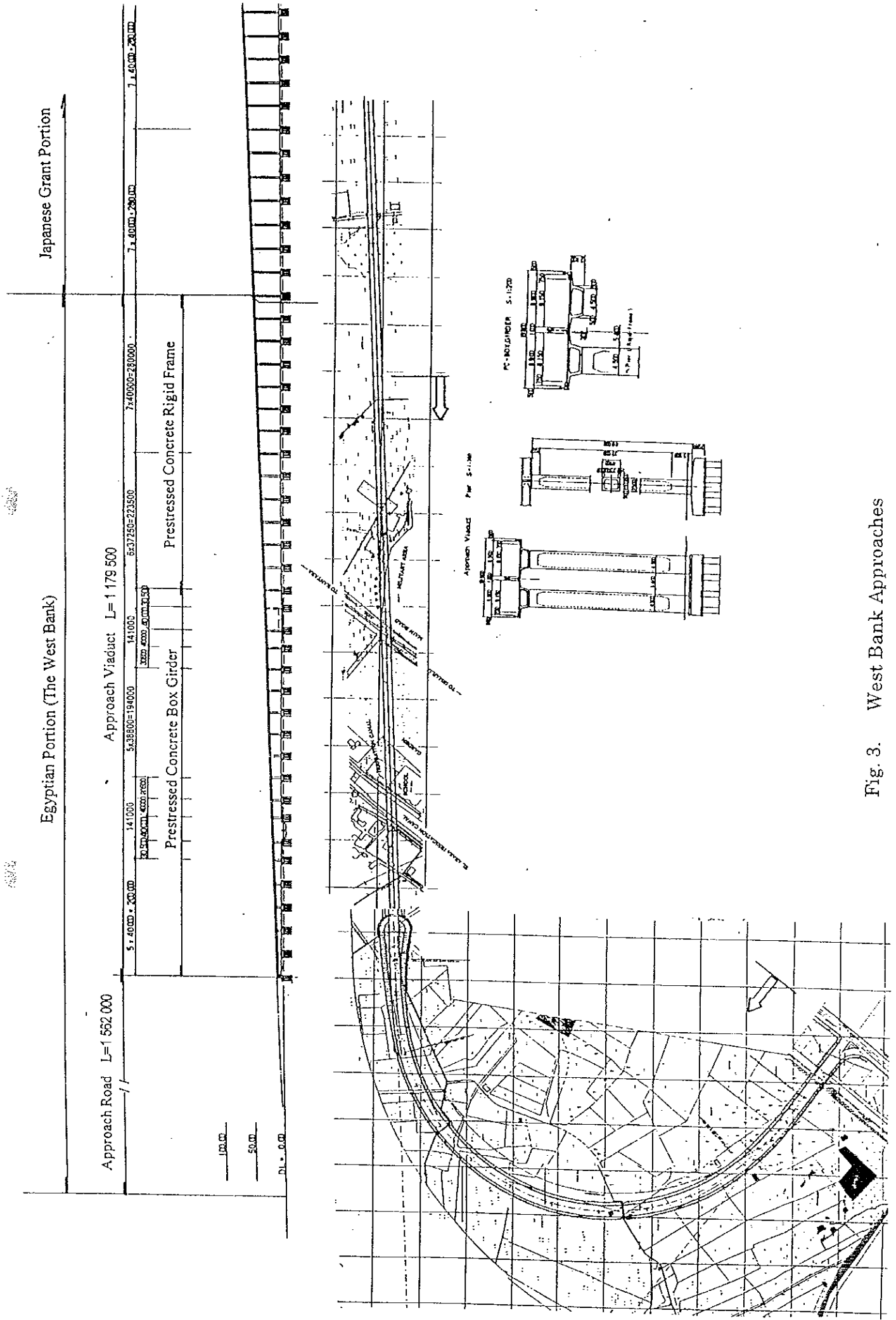
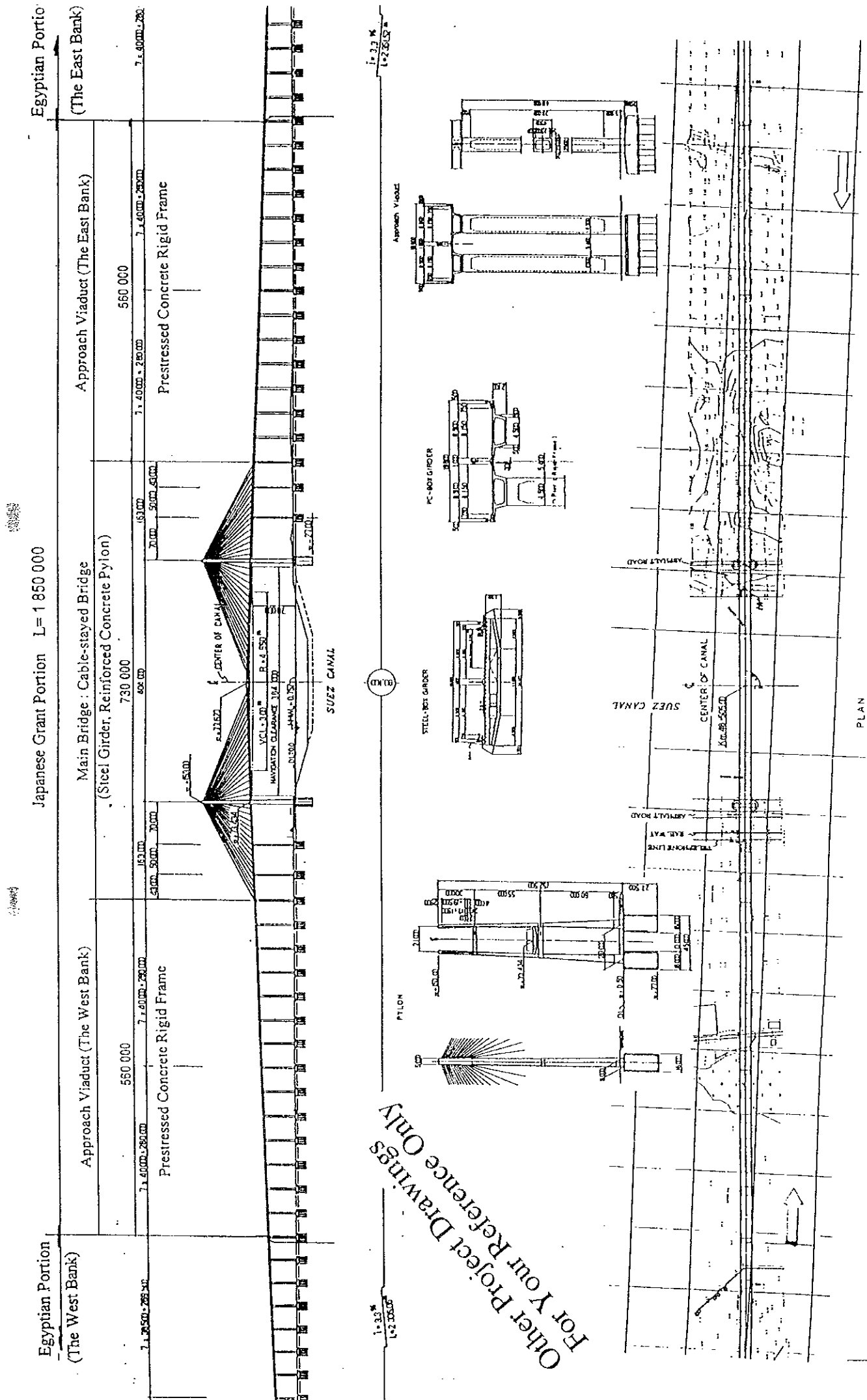


Fig. 3. West Bank Approaches



Other Project Drawings
For Your Reference Only

Fig. 4 Central Section - For Reference only

(Letterhead of the Tenderer)

APPLICATION LETTER

To: GENERAL AUTHORITY FOR ROADS, BRIDGES
AND LAND TRANSPORT
MINISTRY OF TRANSPORT AND COMMUNICATIONS
THE ARAB REPUBLIC OF EGYPT

Re: THE PROJECT FOR CONSTRUCTION OF
THE SUEZ CANAL BRIDGE
(EGYPTIAN PORTION)

Dear Sir,

We have pleasure in applying to participate in the prequalification for the above captioned project, to be financed by the Egyptian Fund, and of submitting for your review and acceptance, the documents in one original and two copies, which are attached hereto.

We declare that the particulars attached herein are true and correct in every detail.

Dated this ___ th day of _____, 19 __.

Yours faithfully,

(Signature)

(Printed Name of Signee)

(Title of Signee)

(Name of Tenderer)

(Address of Tenderer)

NOTE: Name and position of the person who may be contacted for further information if required is as follows:

Name :

Position :

Telephone No. :

Facsimile No. :



FEDERATION INTERNATIONALE DES INGENIEURS CONSEILS
INTERNATIONAL FEDERATION OF CONSULTING ENGINEERS
INTERNATIONALE VEREINIGUNG BERATENDER INGENIEURE

FIDIC Secretariat: PO Box 17334, 2502 CH The Hague, Netherlands
Telephone 70-604828 Telex 34214 NL

Standard pre-qualification form for contractors

Name of Contractor:

Name of Employer:

Title of Project:

Location:

Name of Consulting Engineer:

Date:



Project:

Company:

Notes to applicants

- 1 Please answer all questions.
 - 2 Supplementary pages may be inserted if required.
 - 3 Additional standard pages H, L and M are available in pad form.
 - 4 Please number each page in the space provided at the top of each page.
 - 5 Please retain a copy of your complete submission.
 - 6 If a Joint Venture is proposed, all Companies are to respond to all questions.
 - 7 Project financial data is to be given in US dollars unless otherwise requested.
-

Standard pages

A Title page	H Resources: personnel 2
B Notes	I Resources: plant
C Structure and organisation 1	J Resources: other
D Structure and organisation 2	K Experience: geographical
E Financial statement	L Experience: relevant projects completed
F Joint Venture	M Experience: projects in progress
G Resources: personnel 1	N Additional information

Please list below any additional pages attached to each standard page:



Project:

Company:

Structure and organisation 1

1 Name of Company:

Address:

Telephone number:

Telex number:

Registered office address:

2 Description of Company (for example, General Civil Engineering Contractor):

3 Number of years experience as a General Contractor – in own country:

– internationally:

4 Number of years experience as a Sub-contractor – in own country:

– internationally:

5 Names and addresses of associated Companies to be involved in the project – and whether parent/subsidiary/other:

6 If the Company is a subsidiary, what involvement, if any, will the parent Company have in the project?



Project:

Company:

Structure and organisation 2

- 7 Names and addresses of any associates the Company has in the country of the Project, knowledgeable in the procedures of customs, immigration etc:

-
- 8 Please indicate here or attach an organisation chart showing the Company structure including the positions of directors and key personnel, if relevant.



Project:

Company:

Financial statement

1 Capital:

Authorised:

Issued:

2 Annual value of construction work undertaken for each of the last three years and projected for current year:

Year	Current					
Home						
Abroad						

3 Approximate value of work in hand:

4 Please attach copies of the Company's previous three years' accounts (profit/loss, assets/liabilities) and other financial data which you consider to be useful.
List all attachments below:

5 Name and address of Bankers from whom references can be obtained:



Project:

Company:

Joint Venture

If the Company intends to enter into a Joint Venture for the Project, please give the following information, otherwise state "*not applicable*":

1 Names and addresses of Joint Venture Partners:

2 Name of Company leading the Joint Venture:

3 Name and address of Bankers to the Joint Venture:



Project:

Company:

Resources: personnel 1

1 Number of staff: Technical: Administrative:

2 Please list present executive directors:

Name	Present position	Years of experience with the Company/in construction
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Project:

Company:

Resources: personnel 2

List information about other Key Personnel below:

Name:

Present position:

Years of experience – with the Company:

– in construction:

Major works for which responsible (type and value):

Linguistic ability relevant to project:

Name:

Present position:

Years of experience – with the Company:

– in construction:

Major works for which responsible (type and value):

Linguistic ability relevant to project:

Name:

Present position:

Years of experience – with the Company:

– in construction:

Major works for which responsible (type and value):

Linguistic ability relevant to project:



Project:

Company:

Resources: plant

On the basis of the information provided in the pre-qualification documents please indicate the main plant and equipment considered by the Company to be necessary for undertaking the project and whether this plant is already in the Company's ownership or will be purchased or hired:

10/10/2017

10/10/2017



Project:

Company:

Resources: other

- 1 If it is foreseen that any part of the Contract will be sub-contracted state the type of work to be undertaken by the sub-contractor(s) and, if known, give the name and address of the sub-contractor(s) to be used.

-
- 2 Fabrication facilities (to be completed only if relevant to the Project):

Summary:

Description:

Location:

Capacity:

Annual throughput:



Project:

Company:

Experience: geographical

1 Countries in which work similar to the Project has been undertaken:

2 Summary of experience of Company in the country of the Project and/or neighbouring states:



Project

Company:

Experience: relevant projects completed

Please fill in information about the relevant projects completed over the past three years

Name of Employer	Name, location and type of projects	Name of (Consulting) Engineer responsible for supervision	Contract price and date	Percentage of participation of company in project	Was contract satisfactorily completed including time provision



Project: _____ Company: _____

Experience: all projects in progress

Give information about all projects in progress, including those where the company has received a letter of intent, but a formal contract has not yet been awarded.

Employer	(Consulting) Engineer responsible for supervision	Location and description of the work	Percentage participation of company in the project	Value of contract	Value completed and certified	Percentage of practical completion	Scheduled date of completion of work



Project:

Company:

Additional information

Please add any further information which you consider to be relevant to the evaluation of your application for pre-qualification. If you wish to attach other documents please list below, otherwise state "*not applicable*".





JICA