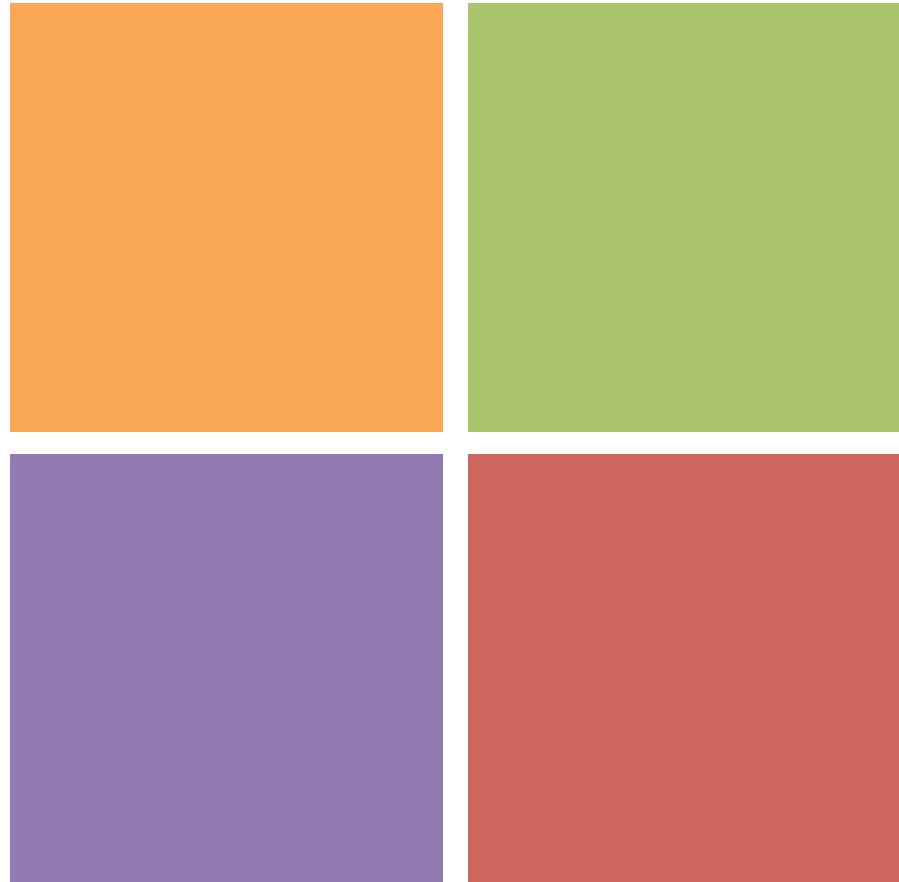




Asociación de Ingenieros Profesionales de España (AIPE)



Las competencias como base para
la certificación profesional

Por José Alfonso Garre
Director Técnico - AIPE



هيئة الأشغال العامة
PUBLIC WORKS AUTHORITY
شؤون البنية التحتية
Infrastructure Affairs
Expressway Department

**FEE TENDER
FOR
PRE AND POST-CONTRACT
PROFESSIONAL CONSULTANCY
SERVICES FOR THE EXPRESSWAY
PROJECTS**

PROJECT ID: IA 12/13 DS 002 ST

**VOLUME 1 OF 3
TECHNICAL SUBMISSION**

TENDERERS ARE TO NOTE THAT THE CONTENTS OF THE RETURNED VOLUME 1 OF 3 – TECHNICAL SUBMISSION MUST CONTAIN ONLY THE FOLLOWING:

- TECHNICAL COVER FLYSHEET
- CONTENTS PAGE
- SECTION A – INSTRUCTIONS TO TENDERERS
- SECTION B – CONDITIONS OF ENGAGEMENT
- SECTION C – PROJECT BRIEF
- SECTION D – TECHNICAL TENDER DELIVERABLES

Public Works Authority
P.O Box 22188
Doha
State of Qatar

April 2012

TECHNICAL SUBMISSION
SECTION C PART V
PROFESSIONAL QUALIFICATIONS AND CRITERIA FOR STAFF

PROFESSIONAL QUALIFICATIONS AND CRITERIA FOR PROJECT STAFF

General Requirements and Criteria

- (1) The Consultant is to submit qualified candidates that clearly demonstrate the Consultant's ability to provide an optimum service to ensure the project is a whole in the most cost effective manner and completed in time, while fully complying with the highest international standards of technical, operational, and safety requirements.
- (2) The Engineer reserves the right to review the performance of all or any staff assigned to the project on a regular basis.
- (3) The Consultant is required to provide the same pay scale for all positions nominated in the bid. Any nomination of nominated staff must be approved by the Engineer. All submitted staff nominations must have comprehensive nomination questions and experience that demonstrates the bid staff nomination.
- (4) All positions must be subject to approval by the Engineer.
- (5) No staff member shall be allocated to or removed from the team without the Engineer's approval. Staff, in all instances, be submitted for the Engineer's consideration for appointment of staff.
- (6) All the key staff must be members of the Team staff list.

SECTION C

PART V

**PROFESSIONAL QUALIFICATIONS AND CRITERIA FOR
STAFF**

Solo para el personal tiene
40 hojas especificaciones

PROFESSIONAL QUALIFICATIONS AND CRITERIA FOR PROJECT STAFF

1. General Requirements and Criteria

Qualifications and Experience

1. An internationally recognised accredited University degree accepted by CEng, PE or PEng membership organization as a qualifying/exempting academic University degree qualification; and

- (6) All the key individual members of
 - (a) Proven ability to manage project quality work on time and with quality
 - (b) Proven ability to coordinate project and nature, and
 - (c) Proven ability to work with a variety of interests/authorities.
- (7) Staff shall be fully competent in the use of technology to access data, maintain records and produce particular any project specific relevant engineering drawings applicable to all degree qualified Engineers.
- (8) Staff must be fluent in English with an excellent capability in written technical skills and communication skills. This is particularly applicable to Engineers.
- (9) The design standards applied to all projects under Infrastructure Affairs control are British and North American practices. It is therefore expected that staff to fill positions designated as Architect and/or Engineer must be conversant with and have had experience with these standards and specifications.

2. Qualifications and Experience

The specified design positions shall have as a minimum the qualifications and experience criteria stipulated for each position given below. Where Chartered Engineer (CEng), or Professional Engineer (PE) qualification is stipulated, proof of the following is required:

1. An internationally recognised accredited University degree accepted by CEng, PE or PEng membership organization as a qualifying/exempting academic University degree qualification; and

2. Chartered/Professional Engineer status. Proof of current membership or registration in one of the following National professional engineering organizations is acceptable to the Authority as meeting the requirements of Chartered/Professional Engineer status:

Approved Institution

Institution of Civil Engineers (UK)
American Society of Civil Engineers (US)
Canadian State Licensing Authority
Engineers Ireland (Ireland)
Engineers Australia (Australia)
Hong Kong Institution of Engineers
Institution of Professional Engineers New Zealand

Criteria for Eligibility

MICE
MASCE
PEng
MIEI (min. 2 years)
MIEAust
MHKIE
MIPENZ
MSAIE

Organizaciones reconocidas

2. Chartered/Professional Engineer status. Proof of current membership or registration in one of the following National professional engineering organizations is acceptable to the Authority as meeting the requirements of Chartered/Professional Engineer status:

3.

3.1. Project Director

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognised accredited University plus minimum ten (10) years Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum twenty (20) years post graduate experience in the design and management of major highway projects of complex nature. Previous Project Director experience in the design of major highway projects of complex nature.

3.2. Project Manager

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognised accredited University plus minimum of Ten (10) years Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum twenty (20) years post graduate experience and previous experience in the design of major highway projects of complex nature. Previous Project Manager experience in the design of major highway projects of complex nature.

3.3. Team Leader Roads

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognised accredited University plus minimum of five (5) years Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum fifteen (15) years post graduate experience in design of major highway projects of complex nature.

Profesional bien pagado

Profesional bien pagado

Profesional bien pagado

TECHNICAL SUBMISSION
SECTION C- PART V

PROJECT BRIEF
PROFESSIONAL QUALIFICATION AND CRITERIA FOR STAFF

3.4. Senior Engineer Roads

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognised accredited University plus Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum Ten (10) years post graduate experience in design of major highway projects of complex nature.

3.5. Design Engineer Roads

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an accredited University.

Minimum five (5) years post graduate experience in design of major highway projects of complex nature.

3.6. Team Leader Drainage

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognised accredited University plus minimum of five (5) years Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum fifteen (15) years post graduate experience in design of drainage schemes for highway projects of complex nature.

3.7. Senior Engineer Drainage

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognised accredited University plus Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum ten (10) years post graduate experience in design of drainage schemes for highway projects of complex nature.

3.8. Design Engineer Drainage

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an accredited University.

Minimum five (5) years post graduate experience in design of drainage schemes for highway projects.

3.9. Team Leader Structures

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognized accredited University plus minimum of five (5) years Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum fifteen (15) years post graduate experience in design of bridges and tunnels for road and rail in major highway projects.

3.10. Senior Engineer Structures

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an internationally recognised accredited University plus Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations

TECHNICAL SUBMISSION
SECTION C- PART V

PROJECT BRIEF
PROFESSIONAL QUALIFICATION AND CRITERIA FOR STAFF

accepted by the Authority.

Minimum ten (10) years post graduate experience in design of structures for major highway projects of complex nature.

3.11. Design Engineer Structures

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an accredited University.

Minimum five (5) years post graduate experience in design of bridges and tunnels for road and rail in major highway projects.

3.12. Team Leader Traffic

Shall be qualified with a Bachelor of Science degree in Civil Engineering or MSc in Transport Engineering / Planning from an accredited University plus minimum of five (5) years Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum fifteen (15) years post graduate experience in Traffic and Transportation Modeling on major highway projects.

3.13. Senior Engineer Traffic

Shall be qualified with a Bachelor of Science degree in Civil Engineering or MSc in Transport Engineering / Planning from an accredited University plus Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum ten (10) years post graduate experience in Traffic and Transportation Modeling on major highway projects.

3.14. Design Engineer Traffic

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an accredited University.

Minimum five (5) years post graduate experience in Traffic and Transportation Modeling on major highway projects.

3.15. Team Leader Utilities

Shall be qualified with a Bachelor of Science degree in Civil Engineering from an accredited University plus minimum of five (5) years Chartered Engineer or Professional Engineer (PE) registration or other similar professional organizations accepted by the Authority.

Minimum fifteen (15) years post graduate experience in design of Utilities in major highway projects.

Demonstrate local experience or experience in United Arab Emirates/Qatar.

3.16. Senior Engineer Utilities

Shall be qualified with a Bachelor of Science degree in Civil Engineering or MSc in Transport Engineering / Planning from an accredited University.

Minimum ten (10) years post graduate experience in Traffic and Transportation Modeling on major highway projects.

+ Competencias Profesionales



+ Esquema general



+ Fases



IPr[®]

Ingenieros
Profesionales
Registrados

Muchas gracias por su
atención

José Alfonso Garre

Tel.: 910.910.712

Correo: secretaria@ingenierosprofesionales.com

Web: www.ingenierosprofesionales.com