



قطر تستحق الأفضل
Qatar Deserves The Best

هيئة الأشغال العامة
PUBLIC WORKS AUTHORITY

Infrastructure Affairs

**PREQUALIFICATION DOCUMENT
FOR PROCUREMENT OF
CONTRACTORS
FOR**

**FOR THE DESIGN, MANUFACTURE, SUPPLY
AND INSTALLATION OF INTELLIGENT
TRANSPORTATION SYSTEMS (ITS) IN THE
STATE of QATAR**

PROJECT ID: IA 10/11 D 027 G

**Public Works Authority
PO Box 22188
Doha
State of Qatar**

August 2013

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ABBREVIATIONS AND TERMINOLOGY

ADS	Application Data Sheet
CD	Compact Disk
ITA	Instructions to Applicants
ITS	Intelligent Transportation Systems
JV	Joint Venture
PWA	Public Works Authority
QA	Quality Assurance
QAR	Qatari Riyals
QNBN	Qatar National Broadband Network
QC	Quality Control
QCE	Quality Control Engineer
SCADA	Supervisory Control and Data Acquisition
TL	Technology Lot

1.0 Summary Description

- 1.1 The purpose of the prequalification process is to provide the basis for the Public Works Authority - ASHGHAL (PWA), to select a short-list of competent contractors (the “Pre-qualified Applicants” (PQA)) for invitation to Tender for various Technology Lot Framework Supply Agreements for the Design, Manufacture, Supply and Installation of Intelligent Transportation Systems Programme (the “Programme”).

The PWA is seeking proposals from Applicants to demonstrate their capability to perform significant components of the work with the right vision and the necessary experience, capabilities, understanding and commitment to work with PWA to achieve outstanding results in the delivery of the Programme.

- 1.2 This Prequalification Document consists of:

1. Summary;
2. Part 1: Prequalification Procedures; and
3. Part 2: Work Requirements.

- 1.3 Prequalification is a step in the procurement route which shall ultimately lead to invitation to Tender for the prequalified applicants. The procurement process can either commence by public invitation or by direct, private, invitation. Prequalification criteria on evaluation of the applicants:

1. Eligibility;
2. Licenses & Registration;
3. Declaration of Pre-Tendering Agreement for Joint Venture;
4. Historical Contract Non-performance record;
5. Financial stability and status;
6. Experience in relation to the size, type and complexity of the works and services being procured;
7. Key Staff Experience;
8. Health, Safety, Quality & Environment;
9. Resources, Plant and Equipment; and
10. Management Approach.

- 1.4 Consequently previous prequalification for PWA’s projects shall not guarantee automatic prequalification for this PWA project and/or Programme.

- 1.5 The Work Requirements in Part 2 of this document provides scope of works.

- 1.6 This single Prequalification Invitation covers the only prequalification step for each Technology Lot (TL) for the ITS Programme. The proposed TLs are broken down into the following 9 areas:

Technology Lot	Description
1	Software Systems
2	Detection Technologies
3	Information Provision Technologies
4	Parking and Access Control Systems

Technology Lot	Description
5	Traffic Signals
6	Payment Systems
7	Security and Safety Systems
8	Telecommunications Technology
9	Connected Vehicle Programme

- 1.7 Specific qualification criteria have been established for each TL. Interested Applicants can apply for consideration for one or multiple packages depending on their ability to comply with the qualification criteria for each package.
- 1.8 PQAs are expected from, but not limited to, applicants comprising ITS technology manufacturers, ITS technology integrators, ITS design and construction companies, System developers and suppliers, hardware and software suppliers, designers, installers and maintainers. All applicants must be able to demonstrate that they have an accredited Quality Management process (ISO 9001, 9003, 14001, 16949 and 18001). Registration details and certificate copies must be included in response to this application.

2.0 CHECKLIST

- 2.1 The following checklist is to be completed by individual companies and all designated JV Partners.
- 2.2 A separate checklist is required for each package submission.
- 2.3 This checklist is important as it will serve as a checklist of the submitted documents for evaluation purposes. Any missing information will have an impact on the Applicant's score.
- 2.4 Other than the information requested, other documentation, including brochures about your company, additional information etc. must not be included in your submission.

Checklist for Prequalification			
Applicant Name			
Applicant Reference No			
Date & Time Submitted			
Technology Lot	Software Systems		
	Detection Technologies		
	Information Provision Technologies		
	Parking and Access Control Systems		
	Traffic Signals		
	Payment Systems		
	Security and Safety Systems		
	Telecommunications Technology		
	Connected Vehicle Programme		
Documents Submitted			
Please use the following symbols to indicate whether forms and documents have been included in your submission :			
	Symbol		Symbol
Form is present	✓	Form is not present	✘
Series No.	Category		Form Present
1	Eligibility Requirements		
1.1	Conflict of Interest - Application Submission Sheet		
1.2	PWA Ineligibility - Application Submission Sheet		
1.3	Government Owned Entity - Forms ELI - 1.1 & 1.2		

2	Licenses and Registrations	
2.1	Company Registration in Qatar - Form REG – 2.1	

Series No	Category	Form Present
3	Declaration	
3.1	Pre-Tendering Agreement for JV formation - Form DC-3.1	
4	Historical Contract Non-Performance	
4.1	History of Non Performance - Form CON – 4.1	
4.2	Failure to Sign a Contract - Form CON – 4.1	
4.3	Pending Litigation - Form CON – 4.1	
5	Financial Situation	
5.1	Audited Financial Statements - Form FIN – 5.1	
5.2	Current soundness of the Applicant's financial position and its prospective long term profitability as measured by average coefficient of current ratio (Current Assets/Current Liabilities) - Form FIN – 5.1	
5.3	Current soundness of the Applicant's financial position and its prospective long term profitability as measured by average coefficient of debt ratio (Total Debt / Total Assets) - Form FIN – 5.1	
5.4	Annual Turnover - Form FIN – 5.2	
5.5	Access to Financial Resources - Form FIN – 5.3	
5.6	Bonding Capacity - Form FIN – 5.3	
6	Experience	
6.1	General Experience - Form EXP- 6.1 NB Form 6.1 for each individual TL for PQQ	
6.2	Specific Local Experience - Form EXP- 6.2	
7	Personnel Capabilities	
7.1	Organisational Structure - Form EXP- 7.1	
7.2	Personnel Capabilities - Form EXP- 7.2	
7.3	Proposed Staff CVs - Form EXP- 7.3	

Series No	Category	Form Present
8	Project Assurances	
8.1	Health Safety & Environment Plan - Form HSE – 8.1	
8.2	Quality Management Plan - Form QM – 8.2	
9	Resources, Plant & Equipment	
9.1	Resources, Plant & Equipment - Form RS – 9.1	
10	Management Approach	
10.1	Management Approach Questions Form MAQ – 10.1	

3.0 DOCUMENT USER'S GUIDE

3.1 PART 1 – PREQUALIFICATION PROCEDURES

Section I. Instructions to Applicants (ITA)

This section specifies the procedures to be followed by Applicants in the preparation and submission of the Prequalification Application. Information is also provided on the opening procedures for Prequalification documents and the evaluation of applications.

The Section I provisions are to be used without modification.

Section II. Application Data Sheet (ADS)

This section identifies the data and provisions that are specific to each Prequalification Invitation and supplements the information or requirements included in Section I: Instructions to Applicants.

Section III. Qualification Criteria

This section contains the qualification criteria and compliance requirements that will be used to determine how Applicants shall be prequalified and later invited to tender.

Section IV. Prequalification Application Submission Sheet and Forms

This section contains the Prequalification Application Submission Sheet and the associated forms to be submitted with the Prequalification Application.

3.2 PART2 – WORK REQUIREMENTS

Appendix A: Scope of Works (Project Brief)

This section contains details of the Scope of Works the qualification criteria and compliance requirements that will be used to determine how Applicants shall be prequalified and later invited to tender.

Appendix B: Conditions of Contract

Various PWA General Conditions of Contract will be used further supplemented by relevant Particular Conditions.

3.2 TERMINOLOGY

3.2.1 Prequalification Application: **Shall mean** the documents submitted for evaluation and short-listing for Invitation to Tender.

3.2.2 Prequalification Application Submission Sheet: **Shall mean** the form in Section IV of this document which shall preface the Prequalification Application.

3.2.3 Prequalification Invitation: **Shall mean** the invitation by Public Works Authority to applicants to submit detailed particulars demonstrating capability in relation to the scope of work to be procured.

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PART 1 - PREQUALIFICATION PROCEDURES

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Section I. Instructions to Applicants (ITA)

A. General

1. **Scope of Application**
 - 1.1 This Prequalification Invitation document as indicated in Section II, Application Data Sheet (ADS), is issued by the Public Works Authority (PWA), to Applicants interested in tendering for the scope of works as described in Part 2 – Work Requirements.
2. **Source of Funds**
 - 2.1 The scope of works is funded directly by the Government of the State of Qatar.
3. **Corrupt & Fraudulent Practices**
 - 3.1 The PWA requires that Applicants observe the highest standard of ethics during the procurement and execution of the scope of works. In pursuit of this policy, the PWA:
 - (a) Defines, for the purposes of this provision, the terms set forth below as follows:
 - i. **“Corrupt Practice”** shall mean the offering, giving, receiving, or soliciting of anything of value to influence the action of a Public Official in the procurement process or in contract execution; and
 - ii. **“Fraudulent Practice”** shall mean a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the PWA, and includes collusive practices among Applicants (prior to or after tender submission) designed to establish tender prices at artificial, non-competitive levels and to deprive the PWA of the benefits of free and open competition;
 - (b) May, at its sole discretion, reject a proposal for prequalification if it determines that the Applicant recommended for prequalification has engaged in Corrupt Practices or Fraudulent Practices in competing in the tendering processes for these works.
4. **Eligible Applicants**
 - 4.1 An Applicant may be a private, public or government owned legal entity or any combination of them, with the formal intent to enter into a joint venture agreement, or under an existing joint venture agreement (refer to Section III.C.1 for further requirements).
 - 4.2 Prequalification will be based on a combination of “pass-fail” criteria along with a scoring system of the Applicant’s qualifications as demonstrated by the Applicant’s responses in the attached Prequalification Application Submission Sheets and other requested documentation. Specific requirements for joint ventures are also set forth in Section III, Qualification Criteria. PWA reserves the right to waive minor deviations from the criteria, if they do not materially affect the capability of an Applicant to perform the work.
 - 4.3 The Applicant that is under a declaration of ineligibility by PWA in accordance with ITA 3.1, as at the date of submission of the

Prequalification Application or thereafter, shall be disqualified.

- 4.4 Government-owned entities in Qatar shall be eligible only if they can establish that they are legally and financially autonomous, and operate under commercial law, and that they are not dependent agencies of the PWA.
- 4.5 Applicants shall provide such evidence of their continued eligibility satisfactory to the PWA, as the PWA shall reasonably request.
- 4.6 Applicants shall not have a conflict of interest. If any conflict of interest or potential conflict of interest between Applicants, their subcontractors or advisers and those of the PWA becomes apparent, Applicants shall immediately inform the PWA, when the PWA shall, at its absolute discretion, decide on the appropriate course of action. If the PWA becomes aware of any conflict of interest or potential interest that the Applicant has not declared to the PWA, the PWA may at its absolute discretion disqualify the Applicant from consideration.

5. Eligible Goods and Related Services

- 5.1 In preparation of the Prequalification Application (“Application”), Applicants shall be aware of and observe the Government of the State of Qatar’s rules and regulations relating to the boycott of Israel.

B. Contents of the Prequalification Document

6. Sections of Prequalification Document

- 6.1 The document for the prequalification of Applicants (hereinafter “Prequalification Document”) consists of parts 1 and 2 which comprise all the sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITA 8.

PART 1 - Prequalification Procedures

Section I. Instructions to Applicants (ITA)

Section II. Application Data Sheet (ADS)

Section III. Qualification criteria

Section IV. Application Submission Sheet and Forms

PART 2 - Work Requirements

Appendix A: Details of Scope of Works are included in this section as well as details of the contractor’s key personnel that are required.

Appendix B: The Form of Contract will vary depending on the delivery method used for each package. In general, the Form of Contract shall be based on the PWA’s General Conditions of Contract (for use on design-build contracts and modified as necessary for design-build-operate contracts) which shall form part of the Contract for successful Tenderers. These General Conditions of Contract will be supplemented by a detailed Conditions of Particular Applications to suit the specific

package at tender stage.

6.2 The PWA accepts no responsibility for the completeness of the Prequalification Document and its addenda, unless they were obtained directly from the PWA.

6.3 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Document and to furnish all information or documentation required by the Prequalification Document.

7. Clarification of Prequalification Document

7.1 Applicants requiring clarifications of the Prequalification Document shall contact the PWA in writing at the address indicated in the ADS. The PWA shall respond in writing to any request for clarification provided that such request is received no later than one week before the deadline for submission of Applications. The PWA shall communicate to all Applicants full details of the clarification but without identifying its source. Should the PWA deem it necessary to amend the Prequalification Document as a result of a clarification, it shall do so following the procedure outlined in ITA 8 and in accordance with the provisions of ITA 17.2.

8. Amendment of Prequalification Document

8.1 At any time prior to the deadline for submission of Applications, the PWA may amend the Prequalification Document by issuing Addenda (Prequalification Circular).

8.2 Any Addendum issued shall form part of the Prequalification Document and shall be communicated in writing to all Applicants.

8.3 To give prospective Applicants reasonable time to take an Addendum into account in preparing their applications, the PWA may, at its discretion, extend the deadline for the submission of Applications.

C. Preparation of Applications

9. Cost of Applications

9.1 The Applicant shall bear all costs associated with the preparation and submission of its Application. The PWA shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Prequalification process.

10. Language of Application

10.1 The Application as well as all correspondence and documents relating to the Prequalification exchanged by the Applicant and the PWA, shall be written in the language specified in the ADS. Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the ADS, in which case, for the purposes of interpretation of the Application, the translation shall govern.

11. Documents

11.1 The application shall comprise the following:

Prequalification Document for Procurement of Contractors for the Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS) in the State Of Qatar.

Comprising the Application

- a) Application Submission Sheet, in accordance with ITA 12;
- b) Documentary evidence establishing the Applicant's eligibility to prequalify, in accordance with ITA 13;
- c) Documentary evidence establishing the Applicant's qualifications, in accordance with ITA 14; and
- d) Any other document required as specified in the ADS.

12. Application Submission Sheet

12.1 The Applicant shall prepare the Application Submission Sheet using the form furnished in Section IV, Application Submission Sheet and Forms. This form must be completed without any alteration to its format.

13. Documents Establishing the Eligibility of the Applicant

13.1 To establish its eligibility in accordance with ITA 4, the Applicant shall complete the eligibility declarations in the Prequalification Application Submission Sheet and Forms ELI 1.1 and ELI 1.2, included in Section IV.

14. Documents Establishing the Qualifications of the Applicant

14.1 To establish its qualifications to perform the scope of works in accordance with Section III, Qualification Criteria, the Applicant shall provide the information requested in Section IV, Prequalification Application Submission Sheet and Forms.

15. Signing of the Application and Number of Copies

15.1 The Applicant shall prepare one original of the documents comprising the Application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the Application shall be typed or written in indelible ink and shall be signed by a person, or persons, duly authorised to sign on behalf of the Applicant. In the case of JV, all Parties must sign the documents.

15.2 The Applicant shall submit one copy of the signed original Application, and clearly mark it "COPY". In the event of any discrepancy between the original and the copy, the original shall prevail.

15.3 The two hard copies of the Application should consist of loose sheets of paper filed in hard cover ring binders and shall not exceed 250 type written pages, as defined in ITA 31. Ring binders or plastic comb binding should not be used for Applications.

15.4 A separate Form EXP-6.1 shall be submitted for each TL the Applicant seeks to be prequalified for in accordance with the requirements spelled out in this Prequalification Document.

D. Submission of Applications

16. Sealing and Identification of Applications

16.1 The Applicant shall enclose the original and the copy of the Application in a sealed envelope or container that shall:

- (a) Bear the name and address of the Applicant;
- (b) Be addressed to the PWA, in accordance with ITA 17.1;

and

- (c) Bear the specific identification of this Prequalification i.e. Package Number and Programme title as indicated in the ADS (ITA1.1).

16.2 In addition to the hardcopies, the Applicant shall submit a softcopy on a labelled CD enclosed with the Original document indicated in the ADS. The label should show the package number and Programme title and the Applicant's name. No boxes, notebooks or lever arch files are to be submitted.

16.3 The PWA shall accept no responsibility for not processing any envelope/container that was delivered unsealed or not identified in full accordance with the requirements of the Prequalification Document.

16.4 Additional softcopy workable/raw format documents, such as 'excel' or 'word' files, may be requested and shall be submitted to aid the PQQ evaluation process

17. Deadline for Submission of Applications

17.1 Applications shall be received by the PWA at the address, and no later than the submission closing date as indicated, in Section II - ADS (ITA 17.1).

17.2 The PWA may, at its discretion, extend the deadline for the submission of Applications by amending the Prequalification Document in accordance with ITA 8, in which case all rights and obligations of the PWA and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

18. Late Applications

18.1 Any Application received by the PWA after the deadline for submission of Applications prescribed in ITA 17 may, at the sole discretion of the PWA, be rejected as non-compliant and remain unopened.

19. Opening of Applications

19.1 The PWA shall prepare a record of the opening of Applications for each Package, and this shall include, as a minimum, the name of the Applicant. A copy of the record shall be kept by the PWA.

E. Procedures for Evaluation of Applications

20. Confidentiality

20.1 Information relating to the evaluation of Applications, and recommendation for prequalification, shall not be disclosed to Applicants or any other persons not officially concerned with the prequalification process until the notification of the outcome of the prequalification process is made to all Applicants.

20.2 From the deadline for submission of Applications to the time of notification of the results of the Prequalification in accordance with ITA 28, any Applicant that wishes to contact the PWA on any matter related to the Prequalification Process, may do so,

but only in writing.

21. Clarification of Applications

21.1 After the Application submission closing date, PWA may ask any Applicant for a clarification. The Applicant shall submit, to the address indicated in the ADS (ITA 17.1), its reply within three (3) calendar days from receipt of the clarification request, or by the date and time set in the PWA's request for clarification. Any request for clarification and all replies shall be in writing.

21.2 If an Applicant does not provide the clarification as requested within three (3) days after the clarification date or by the date and time set in the PWA's request for clarification, its Application may, at the sole discretion of the PWA, be rejected as non-compliant.

22. Responsiveness of Applications

22.1 The PWA may reject any Application which does not address the requirements of the Prequalification Document.

23. Domestic Tenderers Price Preference

23.1 Unless otherwise specified in the ADS, a margin of preference for domestic Tenderers shall not apply in the tendering process resulting from this prequalification.

- 24. Specialist Sub-contractors**
- 24.1 Applicants planning to sub-contract any of the key activities indicated in Section III, Qualification Criteria, shall specify the activity or parts of the scope of works to be sub-contracted in the Application Submission Sheet and clearly identify such activities and the proposed specialist sub-contractor(s) in Form ELI-1.2 in Section IV. Such proposed specialist sub-contractor(s) shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria.
- 24.2 The PWA does not intend to let contracts for certain specific parts of the scope of works with contractors selected in advance by the PWA. That is, there will be no Nominated Contractors, unless otherwise stated in the ADS.

F. Evaluation of Applications and Prequalification of Applicants

- 25. Evaluation of Applications**
- 25.1 The PWA shall use all the factors, methods and criteria defined in Section III, Qualification Criteria to evaluate the qualifications of the Applicants and any specialist sub-contractors. The PWA reserves the right to consider other factors or waive minor deviations in the qualification criteria if they do not materially affect the capability of an Applicant to perform the scope of works.
- 25.2 Only the qualifications of specialist sub-contractors that have been identified in the Application may be considered in the evaluation of an Applicant. However, the general experience and financial resources of sub-contractors may not be added to those of the Applicant for purposes of prequalification of the Applicant.
- 25.3 Unless otherwise indicated in the ADS, this Prequalification shall be for this Programme implementation contract only.
- 26. PWA's Right to Accept or Reject Applications**
- 26.1 The PWA reserves the right to accept or reject any Application, and to annul the Prequalification Process and reject all Applications at any time, without thereby incurring any liability to the Applicants.
- 27. Prequalification of Applicants**
- 27.1 Applicants whose applications have met or exceeded the specified threshold criteria shall, to the exclusion of all others, be prequalified by the PWA. PWA reserves the right to invite a short-list of qualified Applicants to Tender.

- 28. Notification of Prequalification** 28.1 Once the PWA has completed the evaluation of the Applications, it shall notify Applicants in writing if they have been prequalified for invitation to Tender or not, for each package.
- 29. Invitation to Tender** 29.1 After the notification of the results of the prequalification, the PWA shall invite Tenders from the short-listed Applicants that have been prequalified for the assigned packages.
- 29.2 Tenderers shall be required to provide Tender security acceptable to the PWA in the form and in the amount specified in any subsequent tender documents. Also, the successful tenderers shall be required to provide a Performance security in the form and in the amount specified in any subsequent tender documents.
- 30. Changes in Qualifications of Applicants** 30.1 Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 27, and invited to tender for a package or packages, shall be subject to the written approval of the PWA. Such approval shall be denied if, as a consequence of the change, the Applicant no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria, or, if in the opinion of the PWA, a substantial reduction in competition may result. Any such changes shall be submitted to the PWA no later than 14 days after the date of the Invitation to Tender.
- 31. Submissions** 31.1 Applicants must not exceed 250 type written pages in their Applications. This page limit does not apply to attachments specifically requested in the Application Submission Forms, such as Articles of Incorporation or independently audited financial statements. For this purpose, "page" means "one side of A4 paper". Applicants should print on both sides of each sheet of paper and use only A4 sheets. Text must be only typed in "Arial" font and be no smaller than 10 point, single-spaced with the margins set at 2.5cm. Page header or footer information may be placed in the margin space. Where provisions are made for the answers, they must be typed in the relevant boxes/space provided in this document. No additional attachments are permitted other than any specific information requested (for example the audit financial information, etc.).

31.2 All written Applications, submissions, questions, queries, communications and the like between Applicants and the PWA must be in English. Applicants must answer all questions as accurately and concisely as possible, and monetary values must be stated in Qatari Riyals (QAR). Failure to furnish the required information, make a satisfactory response to any question or supply required documentation will have an impact on the Applicant's score or the Applicant may not be invited to participate further.

Note: The Applicant's attention is drawn to the following mandatory requirements:

- (a) Two bound hard copies, (one Original & one Copy) consisting of loose sheets of paper filed in hard cover ring binders, and a soft copy on a Compact Disk (CD) must be included as part of the submission.**
- (b) The page limit for the Applications is strictly 250 pages. The page limit does apply to attachments specifically requested in the Application Submission Forms.**

However, no other documentation, including brochures about your company or any other additional information etc should be included in your Application. Only include the specific information requested. No boxes, notebooks or lever arch files are to be submitted.

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SECTION II – APPLICATION DATA SHEET (ADS)	
A. Introduction	
ITA 1.1	The identification of the Invitation for Prequalification is: Application to Prequalify for the Design, Manufacture, Supply and Installation of Intelligent Transportation Systems
ITA 1.1	The name of the Programme is: Intelligent Transportation Systems (ITS)
ITA 4.1	Multiple Partnership (up to a maximum of three partners) of Local Commercially Registered Qatari Companies and JV are allowed. However the specific joint venture requirements set out in Part 1: Prequalification Procedures and Section III Qualification Criteria must be complied with.
B. Prequalification Document	
ITA 7.1	For clarification purposes only, the PWA's address is: As per the Advertisement.
C. Preparation of Applications	
ITA 10.1	The language of the Application, as well as of all correspondence, is: English
ITA 15.1 & 15.2	A Separate Form EXP-6.1 shall be submitted for each TL that the Applicant intends to apply for. <u>In addition</u> to the Original, the number of copies to be submitted with the Application is: Two hardcopy and two softcopy (on a CD).
D. Submission and Opening of Applications	
ITA 17.1	For application submission purposes only, the PWA's address is: As per the Advertisement. The Application submission closing date is: As per the Advertisement.
E. Evaluation of Applications	
ITA 23.1	No price preferences for domestic tenderers shall be applied.
ITA 24.2	The PWA does NOT intend to execute certain specific parts of the scope of work by a Contractor selected in advance (Nominated Sub-Contractor). The specific parts of the scope of work and the respective contractors are: None

Section III - Qualification Criteria

A. General

Section III identifies the qualification criteria and compliance requirements that the PWA shall use to evaluate the Prequalification Applications. The associated application forms are contained in Section IV of this Prequalification Document. To be prequalified, an Applicant must demonstrate to the PWA that it substantially satisfies the requirements regarding experience, personnel, financial position and litigation history, specified herein.

The following terminology and definitions shall apply when used in conjunction with these qualification criteria:

- (a) **Prime Contractor** – defined as the chief contractor who will enter into a direct contract with the PWA for a project and who will have full responsibility for project completion. A prime contractor undertakes to perform a complete contract, and may employ (and manage) one or more subcontractors to carry out specific parts of the contract.
- (b) **Lead Partner** – the party nominated by the Joint Venture as the lead entity of the partnership.
- (c) **Design Engineer** – it is a requirement that either the prospective Prime Contractor, or at least one Joint Venture partner or a subcontractor, be technically qualified and licensed to perform engineering design work in the required disciplines with the Ministry of Municipality and Urban Planning's Committee for the Enrolment of Engineers & Engineering Consultancy Offices. The Design Engineer nominated by the Applicant with their Application will be considered to be the designer-of-record for the project and shall not be withdrawn without the prior written approval of the PWA. If a separate consulting design firm is to be engaged, they must include a standalone Prequalification Application as an attachment of the Applicant's submission. This stand alone Application shall responded to all questions relevant to the design firm and should address the specific requirements of Subsections B and C of this section of the prequalification document.
- (d) **Quality Control Engineer** - it is a requirement that the Applicant include a fully independent, third party engineering consultant team that will serve as the Quality Control Engineer (QCE). The QCE will be responsible for implementation of the Quality Assurance/Quality Control (QA/QC) program, including detailed submittal review, materials testing and full time on-site inspection of all construction activities. The QCE will report directly to a Senior Executive member of the Prime Contractor or Lead Partner who is not directly involved in performance of this contract. The QCE must be fully independent of the remainder of the Applicant's team and therefore cannot be part of or an affiliate company of the Prime Contractor, any Joint Venture team member, the designated Design Engineer or any other designated subcontractor. The QCE submitted by the Applicant with their Prequalification Application shall not be withdrawn without the prior approval of the PWA. The designated QCE must include a standalone Prequalification Application as an attachment to the Applicant's submission. This stand alone Application shall respond to all questions relevant to the QCE firm and should only address the specific requirements of Subsections B and C of this Section III of the Prequalification Document.
- (e) **Technical Design Authority** - The identity of the nominated Technical Design Authority for TLs shall be clearly noted in the Prequalification Application

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Submission Sheet. It is a requirement that either the prospective Prime Contractor, or at least one Joint Venture partner or a subcontractor, be technically qualified to perform the required functions of a Technical Design Authority.

- (f) **Minimum value** – is either the total contract value, when the Applicant was acting as a sole contractor, or the share of the total contract corresponding to its share of the Joint Venture participation when the Applicant was a member of a Joint Venture team.
- (g) **The last 10 years** – this shall be understood as the period commencing on 1 January 2003 up to the deadline for submission of the Applications.

B. Compliance Summary Table

The following table summarises the information that PWA will use to evaluate the Prequalification Applications:

- Qualification criteria;
- Compliance requirements; and
- Associated prequalification forms

Further details regarding the qualification criteria are presented in the following Subsection C.

Compliance Summary Table							
Qualification Criteria			Compliance Requirements				Submission Requirements
Series No.	Subject	Requirement	Single Entity	Joint Ventures			
				All Parties Combined	Each Party	One Party	
1. Eligibility							
1.1	Conflict of Interest	No conflicts of interest, as described in ITA Sub-Clause 4.6	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	N/A	Application Submission Sheet – Question (b)
1.2	PWA Ineligibility	Not having been declared ineligible by the PWA, as described in ITA Sub-Clause 4.5	Must meet requirement	Existing JV must meet requirement	Must meet requirement	N/A	Application Submission Sheet – Question (c)
1.3	Government Owned Entity	Applicant required to meet conditions of ITA Sub-Clause 4.6	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Sheet – Question (d)
1.4	Named Design Engineer and Quality Control Engineer	Applicant required to meet restrictions imposed under Section III.A	Must meet requirement	Must meet requirement	N/A	N/A	Application Submission Sheet – Question (f)
1.5	Named Operations Team member per TL	Applicant required to meet restrictions imposed under Section III.A	Must meet requirement	Must meet requirement	N/A	N/A	Application Submission Sheet – Question (f)
2. Licenses and Registrations							
2.1	Local Commercial Registrations	Company must have commercial registration with the State of Qatar. In the case of a Joint Venture, a completed Declaration to Commit to Registration process	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form REG – 2.1

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Compliance Summary Table							
Qualification Criteria			Compliance Requirements				Submission Requirements
Series No.	Subject	Requirement	Single Entity	Joint Ventures			
				All Parties Combined	Each Party	One Party	
3. Declaration							
3.1	Pre-Tendering Agreement for Joint Venture	Joint Venture Agreement	N/A	Must meet requirement	Must meet requirement	N/A	Form DC -.3.1
4. Historical Contract Non-Performance							
4.1	History of Non-Performing Contracts	Non-performance of a contract did not occur within the last two years prior to the deadline for application submission based on all information on fully settled disputes or litigation	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 4.1
4.2	Failure to Sign a Contract	Failure to sign a contract after submitting a Bid security has not occurred in the past five years. Any deviation should be explained in the enclosed Contract Non-Performance form	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Form CON – 4.1
4.3	Pending Litigation	All pending litigation, arbitration, mediation or adjudication shall not represent in total more than 25% of the Applicant's net worth	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 4.1

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Compliance Summary Table							
Qualification Criteria			Compliance Requirements				Submission Requirements
Series No.	Subject	Requirement	Single Entity	Joint Ventures			
				All Parties Combined	Each Party	One Party	
		and must be treated as resolved against the Applicant					
5. Financial Situation							
5.1	Financial Performance	Submission of independently audited financial statements (in English) for the last four years indicating the breakdown of local and international turnover	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 5.1
5.2	Financial Performance	Current soundness of the Applicant's financial position and its prospective long term profitability as measured by average coefficient of current ratio (Current Assets/Current Liabilities)	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 5.1
5.3	Financial Performance	Current soundness of the Applicant's financial position & its prospective long term profitability as measured by average coefficient of debt ratio (Total Debt / Total Assets)	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 5.1

Compliance Summary Table							
Qualification Criteria			Compliance Requirements				Submission Requirements
Series No.	Subject	Requirement	Single Entity	Joint Ventures			
				All Parties Combined	Each Party	One Party	
5.4	Financial Performance	Minimum annual turnover (in accordance with requirements of Section III.C.5)	Must meet requirement	Must meet requirement	Must meet 25% of the requirement	Must meet 55% of the requirement	Form FIN – 5.2
5.5	Financial Performance	Applicant must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments (in accordance with requirements of Section III.C.5)	Must meet requirement	N/A	Must meet 25% of the requirement	Must meet 55% of the requirement	Form FIN – 5.3
5.6	Bonding Capacity	Applicant must demonstrate that it possess, or can obtain, the necessary bonding capacity (100% of contract price) to undertake awarded contract	Must meet requirement	Must meet requirement	N/A	N/A	Form FIN – 5.3

Compliance Summary Table							
Qualification Criteria			Compliance Requirements				Submission Requirements
Series No.	Subject	Requirement	Single Entity	Joint Ventures			
				All Parties Combined	Each Party	One Party	
6. Experience							
6.1 (a)	General Experience	The Applicant shall demonstrate its technical expertise and its successful track record in completing projects similar in scope of work as delineated in Part 2, Appendix A, Section 2.0 of this invitation, within the last ten years from the date of submission of this Application for which the Applicant had overall delivery responsibility and in accordance with the requirements stated under Section III.C.6 of this document	Must meet requirement	N/A		Must meet requirement	Form EXP – 6.1
6.1 (b)	Variation Order / Claims History	The Applicant's initial contract value was not varied by more than 20% through Applicant initiated variations and all variations, whether Employer or Applicant initiated were negotiated and agreed prior to contract Completion, i.e. prior to the start of the	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 6.1

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Compliance Summary Table							
Qualification Criteria			Compliance Requirements				Submission Requirements
Series No.	Subject	Requirement	Single Entity	Joint Ventures			
				All Parties Combined	Each Party	One Party	
		Defects Liability Period.					
6.2	Specific Local Experience	Applicant shall demonstrate experience in Qatar (PWA experience preferred) completing projects similar in scope of work as delineated in Part 2, Appendix A, Section 2.0 of this invitation, within the last ten years from the date of submission of this Application	Must meet requirement. However, not applicable if the contract value > QAR 200 million and the Applicant is a non-Qatari company	Must meet requirement	N/A	Must meet requirement	Form EXP 6.2
7. Personnel Capabilities							
7.1	Organisational Structure	Provide Organisational Structure for delivering project, including defining role, responsibilities and description of roles	Must meet requirement	Must meet requirement	N/A	N/A	Form EXP – 7.1
7.2	Personnel Capabilities	Provision of suitably qualified personnel to fill the key positions as per Section III.c.7 and Form EXP-7.2	Must meet requirement	Must meet requirement	N/A	N/A	Form EXP – 7.2
7.3	Proposed Staff CVs	Provide CVs for all Key Personnel as identified under Section III.C.7 of this document	Must meet requirement	Must meet requirement	N/A	N/A	Form EXP – 7.3

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Compliance Summary Table							
Qualification Criteria			Compliance Requirements				Submission Requirements
Series No.	Subject	Requirement	Single Entity	Joint Ventures			
				All Parties Combined	Each Party	One Party	
8. Project Assurances							
8.1	Health, Safety & Environment Plan	Evidence of Health, Safety & Environment Qualification	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form HSE– 8.1
8.2	Quality Management Plan	Evidence of a Quality Management Program related to the work group of interest	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form QM – 8.2
9. Resources, Plant & Equipment							
9.1	Resources, Plant & Equipment	Provide details of Resources, Plant & Equipment available	Must meet requirement	Must meet requirement	N/A	N/A	Form RS – 9.1
10. Management Approach							
10.1	Management Approach Questions	Provide sufficiently detailed responses to the management approach questions included on Form MAQ-10.1	Must meet requirement	Must meet requirement	N/A	N/A	Form MAQ – 10.1

C. Qualification Criteria

The applicant firm or joint venture shall meet the following criteria which supplement the compliance requirements listed in the Compliance Summary Table in Section III, Subsection B.

1. Eligibility (Series No. 1)

(a) Companies eligible to tender shall meet the criteria in the following table:

Contract Value	Criteria
<QAR 100 million	Qatari Company ⁽¹⁾ only
QAR 100-200 million	Qatari Company or Joint Venture (JV), which includes a Qatari Company having a minimum of 51% share holding of the JV
>QAR 200 million	Qatari Company or Joint Venture (JV), which includes a Qatari Company having a minimum of 51% share holding of the JV or Non-Qatari Company

(1) "Qatari Company" means a company that holds a valid Commercial Registration at the Ministry of Business and Trade and where the company includes a 51% Qatari ownership.

- (b) If the tendered sum for a contract is greater than QAR 200 million and the successful Tenderer is a foreign company, at least 30% of the scope of Works for the project (referred to the "Qatari Works") shall be awarded to Qatari subcontractor(s).
- (c) Applicant's attention is drawn to the team structure requirements detailed in Section III, Subsection A regarding inclusion of a Design Engineer, an independent QCE and, where relevant, an Operations Team Member. The identity of each of these team members shall be clearly noted in the Application Submission Sheet.

2. Licences and Registrations (Series No. 2)

- (a) Applicants should also be registered in one of the professional or trade registers in the country of their principal place of business and relevant to the nature of this contract.
- (b) Applicants should note that in addition to successful prequalification they will be required to meet Qatari Registration requirements in order to tender.

3. Declaration (Series No. 3)

- (a) Where an Applicant represents an existing Joint Venture or has formed a new Joint Venture for a project, evidence of a pre-tendering agreement for the Joint Venture will be required in the format required by Form DC 3.1.
- (b) The points noted below summarise the requirements for Joint Ventures and the parties within Joint Venture agreements, with reference to the other subsections of Section III.
 - For Joint Ventures, the Lead Partner, Qatari partners undertaking more than 40% of the contract value and other non-Qatari partners must each satisfy the respective minimum qualification requirements, indicated under Section III, Subsections B and C.
 - Qatari partners must be Grade A Civil Engineering Contractors.
 - The Joint Venture must satisfy collectively the criteria for personnel capability and financial position stated.
 - Individual partners must each satisfy the requirements for audited balance sheets and litigation.
 - The full physical requirements for comparable nature and complexity shall be met collectively by the Joint Venture.

4. Historical Contract Non-Performance (Series No. 4)

- (a) History of Non-Performing Contracts: The Applicant shall provide accurate information that non-performance of a contract did not occur within the last five years prior to the deadline for Application submission based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Applicant have been exhausted.
- (b) Failure to Sign Contract: The Applicant shall provide accurate information regarding its failure to sign a contract after submitting a tender security and certify that this has not occurred in the past five years. Any deviation should be explained in the referenced application form.
- (c) Litigation History: The Applicant shall provide accurate information on any current or past litigation, arbitration, mediation or adjudication resulting from contracts completed or under execution by him over the last two years. A consistent history of settlement awards against the applicant or any partner of a joint venture may result in failure of the application.

5. Financial Situation (Series No. 5)

- (a) The audited balance sheets for the last four years shall be submitted and must demonstrate the soundness of the Applicant's financial position, showing their long-term profitability. Where necessary, PWA will make inquiries with the Applicant's bankers.
- (b) Based on its audited balance sheets, the Applicant shall demonstrate the current soundness of the Applicant's financial position and its prospective long term profitability as measured by their average coefficient of Current Ratio (Current Assets/Current Liabilities). The Current Assets/Current Liabilities ratio shall be ≥ 1.5 .
- (c) Based on its audited balance sheets, the Applicant shall demonstrate the current soundness of the Applicant's financial position and its prospective long term profitability as measured by their average coefficient of Debt Ratio (Total Debt / Total Assets). The Total Debt/Total Assets ratio shall be ≤ 0.66 .
- (d) The Prime Contractor or the combined parties comprising the Joint Venture, shall have an average annual turnover (defined as billing for works in progress and completed) over the last four years in accordance with the following table:

Technology Lot	Average Annual Turnover Requirements (QAR/year)
Software Systems	20,000,000
Detection Technologies	50,000,000
Information Provision Technologies	50,000,000
Parking and Access Control Systems	20,000,000
Traffic Signals	20,000,000
Payment Systems	15,000,000
Security and Safety Systems	20,000,000
Telecommunications Technology	50,000,000
Connected Vehicle Programme	10,000,000

- (e) The Applicant shall demonstrate by means of bank or other financial references that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means sufficient to meet the construction cash flow for the contract for a period of four months in accordance with the following table, taking into account the applicant's commitments for other contracts.

Construction Package	Four Month Cash Flow Requirements (QAR/month)
Software Systems	7,000,000
Detection Technologies	15,000,000
Information Provision Technologies	15,000,000
Parking and Access Control Systems	7,000,000
Traffic Signals	7,000,000
Payment Systems	5,000,000
Security and Safety Systems	7,000,000
Telecommunications Technology	15,000,000
Connected Vehicle Programme	3,000,000

- (f) The Applicant must be able to demonstrate that it possesses, or can obtain, the necessary bonding capacity to undertake an awarded contract for the construction package being applied for. The required bonding capacity is 100% of the contract price. The Applicant must therefore submit a properly executed and stamped letter from their bank confirming that they can and will provide the necessary bonds.

6. General Experience (Series No. 6)

- (a) The Applicant shall demonstrate its technical expertise and its successful track record in completing projects similar in scope of work as delineated in Part 2, Appendix A, Section 2.0 of this Prequalification Invitation, within the last ten (10) years, for which the Applicant had overall delivery responsibility. The last ten (10) years shall be understood as the period commencing on 1 January 2003 up to the deadline for submission of the Applications.
- (b) The Applicant shall submit full details of projects using the experience requirements and guidelines presented in the following table for projects that the Applicant considers to be similar in nature to the ITS scope for each TL, using Form EXP – 6.1.
- (c) Variation Order/Claim History: For each project described on Form EXP – 6.1, the Applicant shall provide accurate information on the “as awarded” value and the contract value at completion. The Applicant shall provide a complete explanation of the difference in values, including details of the party initiating any variations, the average length of time taken to agree any time or cost variations, the number of successful variation claims and the number of unsuccessful variation claims.

Technology Lot	Experience Requirements
Software Systems	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Command and Control Systems (Systems Integration) • Expressway / Motorway / Freeway Management Systems • Urban / Adaptive Traffic Control Systems • Tunnel Management and Control (including

Technology Lot	Experience Requirements
	<p>SCADA)</p> <ul style="list-style-type: none"> • Integrated Traffic Management System • Corridor management systems • Asset management systems • Video analysis systems • Multi-Modal Traveller Information System • Transportation Data Archive • Operations and service management systems • Traveller Information Dissemination System • Journey time and travel plan systems • Floating vehicle data systems • Fault Management Systems • Board control systems • Modelling and Micro-simulation • Business Intelligence.
<p>Detection Technologies</p>	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Automatic Incident Detection • Safety and enforcement cameras • License Plate Recognition System • Traffic counters • Closed Circuit Television (CCTV) • Thermal Imaging • Red light cameras • Fixed speed and variable speed cameras • Over-Height Vehicle Detection • Weigh-In Motion • Environmental Monitoring • Workzone Safety Systems • Bluetooth readers • Microwave, radar, LIDAR, Infrared • Magnetometers and induction loop based detection systems.
<p>Information Provision Technologies</p>	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Dynamic Message Signs (DMS) fix and mobile • Car park information signs • Lane Control Signs • Video Matrices • Real Time Passenger Information displays.
<p>Parking and Access Control Systems</p>	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Parking Management • Entry and Access Control

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Technology Lot	Experience Requirements
	<ul style="list-style-type: none"> • Barriers • Parking Space Counting System.
Traffic Signals	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Traffic Signal heads and controllers • Pedestrian Signal heads and controllers • Ramp Metering • Traffic Detectors.
Payment Systems	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Integrated Ticketing and Smart Cards • Toll Payment • Parking Payment • Priority System • Road Pricing. • E-payment / e-Commerce / e-Government
Security and Safety Systems	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Intrusion Detection • Proximity Detection • Tunnel Safety Systems • HazMat safety equipment • Workzone Safety • X-Ray and electronic screening technologies • Access Control • Vehicle Tracking Systems.
Telecommunications Technology	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Network cabling (fibre optic and copper) • Backbone and access network transmission systems • Power supplies (including UPS) • Racks and cabinets (internal and external) • Cable management and termination facilities • Telecommunications Network and Service Management Systems • Wireless Telecommunications systems
Connected Vehicle Program	<p>Description (on Form EXP-6.1) of at least ten projects of similar scope and size to this TL within the past ten years</p> <ul style="list-style-type: none"> • Vehicle-to-Vehicle and Vehicle-to-Infrastructure technologies

Technology Lot	Experience Requirements
	<ul style="list-style-type: none"> • Cooperative intersection applications • Intelligent routing • Hazard and incident warning and intelligent speed adaption • Traffic information provisioning and fleet management.

- (c) Applicants shall demonstrate any local experience in completing projects with relevant similarities to the scope of work as delineated in Appendix A, Section 2.0 of Part 2, Work Requirements, for the TL being applied for. This experience shall be within the last ten years, this being the period commencing on 1 January 2003 up to the deadline for submission of the Applications. The Applicant is to provide the examples on Form EXP-6.2 demonstrating this local experience where possible.
- (d) The Applicant may also wish to submit declarations prepared by the senior officer of any client's organisation attesting to the Applicant's performance record on the project. Such documents shall bear the original signature of the client's representative and the company seal or letterhead of the client's organisation. Information such as adherence to programme, cost control, demonstrated quality and good safety performance of the Applicant will be considered.
- (e) **Note that PWA intends to contact the Client and Design Engineer for each reference project submitted by the Applicant. Failure of either the Client or Design Engineer to respond to the Employer's request for reference information in a timely manner will be considered as an unsatisfactory record of performance, which will constitute a "fail" score for this criterion.**

7. Personnel Capabilities (Series No. 7)

- (a) The Applicant must clearly demonstrate its ability to assign competent personnel to the contract and that they possess relevant experience on past projects similar in scope and size to the package for which they are seeking to be prequalified, as delineated in Part 2, Appendix A, Section 2.0 of this invitation.
- (b) To demonstrate its understanding of the staffing requirements of the project, the Applicant shall submit a project organisational structure in the form of a diagram with explanatory notes as required in Form EXP – 7.1. The organisation structure should:
- Identify key positions
 - Identify specific roles and a brief list of responsibilities of each position
 - Show lines of authority and reporting relationships, including as related to the QCE
 - Identify key positions to be held by each Joint Venture partner (if applicable)
 - Identify key skills, qualifications, experience for each position
- (c) To demonstrate the Applicant's compliance with these criteria, the Applicant

shall submit professional Curricula Vitae (CVs) for staff who meet the stated requirements for the key positions presented in the following Key Personnel Table for each construction package.

- (d) For specific positions essential to implementation of the project, Applicants shall provide the names of at least two candidates qualified to meet the specific requirements stated for the positions included on Form EXP – 7.2.
- (e) For each key position presented in the above table, the Applicant shall supply information (in Form EXP – 7.3) on a first choice candidate and if so designated in Form EXP- 7.2 on a suitable alternate each of whom should meet the experience requirements specified in the key personnel table.
- (f) Successful Applicants will be obliged to offer these personnel or equivalent in their tender.

Key Personnel Table				
Position	Years of Experience			
	Total	In Similar Works	As Manager or Technical Lead (as appropriate) of Similar Works	Experience in the Gulf Region
Applicable to all TLs				
Principal / Project Director	25	15	10	Preferred
Project Manager	20	15	10	Preferred
Technical Design Authority	20	15	10	Preferred
Technical Design Manager	20	15	10	Preferred
Engineering Manager	20	15	10	Preferred
Quality Control Engineer Lead	15	10	5	Preferred
Applicable to TL 1				
Enterprise Architect	10	10	5	Preferred
Solution Architect	10	10	5	Preferred
Software Architect	10	10	5	Preferred
Lead Software Developer	10	10	5	Preferred
Applicable to TLs 2, 3, 4, 5,& 7				
Design Manager	20	15	10	5
HSE Manager	15	10	5	3
Lead Engineer	15	10	5	3
Construction Manager	20	15	10	5
Field Construction Superintendent	15	10	5	5
Applicable to TL 8				
Senior Telecommunications Designer	15	10	5	3
Lead Telecommunications Engineer	15	10	5	3
Field Network Engineer	15	10	5	3
Applicable to TL6 &9				
Solution Architect	10	5	5	Preferred
Lead Application Developer	10	5	5	Preferred
Field Network Engineer	10	5	5	Preferred

8. Project Assurances (Series No. 8)

- (a) PWA requires that all work undertaken on its behalf is carried out safely for all parties. The Applicant must therefore demonstrate that it will allocate adequate resources to enable it to fulfil its statutory obligations for Health and Safety. In this regard, the Applicant shall successfully an existing written Health & Safety Policy focused on underground construction related activities and shall provide the information requested on Form HSE – 8.1.
- (b) PWA additionally is committed to ensure a high quality of life for the State of Qatar’s citizens by protecting the environment and by delivering its services in a way that respects the earth’s natural ecosystems. PWA aims to work with its contractors and suppliers to help them improve their environmental performance and ensure that, when working for the PWA, they adopt equivalent environmental standards. PWA therefore expects its contractors to show evidence of their commitment to the environment by having an environmental policy, which has been endorsed, at the highest level in the company. As a minimum, the Applicant must successfully demonstrate that it has an established and written Environmental Management Policy and provide the information requested on Form HSE – 8.1.
- (c) PWA expects its contractors to demonstrate their commitment to maintaining a rigorous Quality Management Program, which is endorsed at the highest level in the company. As a minimum, the Applicant must provide evidence of any quality certifications that it possess and to provide the information requested on Form QM – 8.2.

9. Resources, Plant & Equipment (Series No. 9)

- (a) The Applicant is to provide evidence that it possesses, or has access to, sufficient resources, plant and equipment to deliver the project for which seeks prequalification. In this regards, as a minimum the Applicant must provide the information requested on Form RS – 9.1.

10. Management Approach (Series No. 10)

- (a) This series examines the Applicant’s approach to the management of similar contracts. The Applicant is therefore required to answer the management approach questions included on Form MAQ – 10.1.

Section IV. Prequalification Application Submission Sheet and Forms
Checklist for Prequalification Application Submission

The Applicant should include this Checklist at the front of their Prequalification Submission			
Applicant Name:			
Applicant Reference No			
Date & Time Submitted			
Lot Reference	Software Systems		
	Detection Technologies		
	Information Provision Technologies		
	Parking and Access Control Systems		
	Traffic Signals		
	Payment Systems		
	Security and Safety Systems		
	Telecommunications Technology		
Connected Vehicle Programme			
Documents Submitted			
Please use the following symbols to indicate whether forms and documents have been included in your submission :			
	Symbol		Symbol
Form is present	✓	Form is not present	✗
Series No.	Category		Form Present
1	Eligibility Requirements		
1.1	Conflict of Interest - Application Submission Sheet		
1.2	PWA Ineligibility - Application Submission Sheet		
1.3	Government Owned Entity - Forms ELI - 1.1 & 1.2		
2	Licenses and Registrations		
2.1	Company Registration in Qatar - Form REG – 2.1		
3	Declaration		
3.1	Pre-Tendering Agreement for JV formation - Form DC-3.1		
4	Historical Contract Non-Performance		
4.1	History of Non Performance - Form CON – 4.1		

4.2	Failure to Sign a Contract - Form CON – 4.1	
4.3	Pending Litigation - Form CON – 4.1	
5	Financial Situation	
5.1	Audited Financial Statements - Form FIN – 5.1	
5.2	Current soundness of the Applicant's financial position and its prospective long term profitability as measured by average coefficient of current ratio (Current Assets/Current Liabilities) - Form FIN – 5.1	
5.3	Current soundness of the Applicant's financial position and its prospective long term profitability as measured by average coefficient of debt ratio (Total Debt / Total Assets) - Form FIN – 5.1	
5.4	Annual Turnover - Form FIN – 5.2	
5.5	Access to Financial Resources - Form FIN – 5.3	
5.6	Bonding Capacity - Form FIN – 5.3	
6	Experience	
6.1	General Experience - Form EXP- 6.1 NB Form 6.1 for each individual TL for PQQ	
6.2	Specific Local Experience - Form EXP- 6.2	
7	Personnel Capabilities	
7.1	Organisational Structure - Form EXP- 7.1	
7.2	Personnel Capabilities - Form EXP- 7.2	
7.3	Proposed Staff CVs - Form EXP- 7.3	
8	Project Assurances	
8.1	Health Safety & Environment Plan - Form HSE – 8.1	
8.2	Quality Management Plan - Form QM – 8.2	
9	Resources, Plant & Equipment	
9.1	Resources, Plant & Equipment - Form RS – 9.1	
10	Management Approach	
10.1	Management Approach Questions Form MAQ – 10.1	

Application Submission Sheet

(to be completed by Individual Company or by all parties of the JV)

Date: _____

To: Public Works Authority

We, the undersigned, apply to be prequalified for the following Technology Lots:

Project: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems

- TL 1: Software Systems
- TL 2: Detection Technologies
- TL 3: Information Provision Technologies
- TL 4: Parking and Access Control Systems
- TL 5: Traffic Signals
- TL 6: Payment Systems
- TL 7: Security and Safety Systems
- TL 8: Telecommunications Technology
- TL 9: Connected Vehicle Programme

We, the undersigned declare that:

- (a) We have examined and have no reservations to the Prequalification Document, and all other documents issued in accordance with ITA Clause 8:
- (b) We, including any Sub-contractors for any part of the scope of supplies subject to this Prequalification do not have any conflict of interest, in accordance with ITA Sub-Clause 4.3;
- (c) We, including any Sub-contractors for any part of the scope of supplies subject to this Prequalification, have not been declared ineligible by the PWA's nor State of Qatar's laws or official regulations;
- (d) We are not a government owned entity.
 We are a government owned entity and we meet the requirements of ITA Sub-Clause 4.6.
- (e) We, in accordance with ITA Sub-Clause 24.1, plan to subcontract the following key activities and/or parts of the Works:

Activities (e.g. Supply of ITS equipment)	Sub-contractor (Name, Contact Details)

- (f) We, in accordance with Section III, sub-section A, plan to engage the following Design Engineer, Quality Control Engineer and, if applicable, Operations Team Member.

Role	Name of Organisation	Method of Engagement
Design Engineer		
Quality Control Engineer		
Technical Design Authority		

- (g) We understand that you may cancel the prequalification process at any time and that you are neither bound to accept any Application that you may receive nor to invite the prequalified Applicants to Tender for the Contract subject of this Prequalification, without incurring any liability to the Applicants, in accordance with ITA Clause 26.

Prime Contractor or Lead Partner

Signed: _____

Name: _____ in the capacity of _____

Who is duly authorised to sign the Application for, and on behalf of:

Applicant's Legal Name _____

Address _____

Dated on _____ day of _____ 2013

Joint Venture Partner (2)

Signed: _____

Name: _____ in the capacity of _____

Who is duly authorised to sign the Application for, and on behalf of:

Applicant's Legal Name _____

Address _____

Dated on _____ day of _____ 2013

Joint Venture Partner (3)

Signed: _____

Name: _____ in the capacity of _____

Who is duly authorised to sign the Application for, and on behalf of:

Applicant's Legal Name _____

Address _____

Dated on _____ day of _____ 2013

NB For further Joint Venture Partners please provide similar details on additional sheets to enable consideration.

Form ELI – 1.1

Applicant Information Sheet

(to be completed by Prime Contractor or by all JV parties)

Date: _____

Project: The Design, Manufacture, Supply and Installation of Intelligent
Transportation Systems

Page _____ of _____ pages

Applicant's Legal Name _____

In case of JV, legal name of JV _____

Applicant's actual or intended country of constitution _____

Applicant's actual or intended year of constitution _____

Legal status of Applicant _____

Parent Company (if the Applicant is a subsidiary
company, give the name and address of the parent
company or companies together with the details of
affiliation status - % of shareholding) _____

Number of Years of experience of the Applicant _____

In the State of Qatar _____

In countries other than Qatar _____

Number of Years of experience of the Parent
Company _____
In the State of Qatar _____

In countries other than Qatar _____

Market area covered: National / Regional /
International. If Regional or International, list
countries of operation _____

Applicant's authorised representative information

Name:

Address:

Telephone/Fax numbers

Email address

Attached are copies of the following documents:

- 1. In case of a single entity, Articles of Incorporation or documents of Constitution of the legal entity named above (One A4 sheet only)
- 2. In the case of a Joint Venture, the Pre – Tender Agreement in accordance with ITA 4.2.
- 3. In the case of a government-owned entity, any additional documents not covered under 1 above required to comply with ITA 4.5 (One A4 sheet only)

Form ELI – 1.2

Applicant Information Sheet as per ITA 24.1

(to be completed by all JV Partners/Sub-contractors)

Date: _____

Project: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems

Page _____ of _____ pages

Note that in the case of a JV the evaluation committee will take into consideration, the percentage of the joint venture individual JV Partners shall be undertaking.

Applicant's Legal Name

JV's party/Sub-contractor legal name

JV's party/Sub-contractor country of constitution

JV's party/Sub-contractor year of constitution

JV's party/Sub-contractor legal address in country of constitution

JV's party/Sub-contractor authorised representative information

Name:

Address:

Telephone/Fax numbers

Email address

Attached are copies of the following documents:

- 1. Articles of Incorporation or documents of Constitution of the legal entity named above (One A4 sheet only)
- 2. In the case of a government-owned entity, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITA 4.5 (One A4 sheet only)
- 3. In the case of a Joint Venture, the Pre – Tender Agreement in accordance with ITA 4.2.

**Form REG – 2.1
Company Registrations**

- For items 1 to 3, See ITA 4.1
- To be completed by Prime Contractor or by all JV Partners

1 Registration in home country (evidence to be provided as supporting information in the submission – One A4 sheet only)					
Year established		Country/Area where registered		Registration/License No.	
2 Registration in Qatar, if it already exists (evidence to be provided as supporting information in the hard copy submission – One A4 sheet only)					
Year established		Discipline of Registration		Registration/License No.	
3 If not registered in Qatar, please provide details of working arrangement for delivering services in Qatar (One A4 sheet only):					
Prospective sponsor's name		Address and Contact Numbers		Type of Business	
4 Sub-contractors, Overseas Representatives: (If applicable, please list out these other firms in regular participation with you for delivering works).					
Name		Specialisation	Base Location	Years in association	
5 If the Company/Firm is already in, or intends to form, a Joint Venture with one or more other companies/firms for the provision of works, please provide the following information:					
Name of JV partner(s)		Specialisation	Current Address	Contact Person	Contact Details

6 Fields of Specialisation of the Company/Firm/JV			
Major sector		List specific fields(s)	
a.	Intelligent Transportation Systems		
b.	Telecommunications Networks		
c.	Software Design and Implementation		
d.	Hardware design and Implementation		
e.	Data Storage and Archiving		
f.	Security Systems		
g.	Connected Vehicle Technology		
h.	Payment Systems		
7 Company or JV Structure:			
Detailed organization chart(s) to be provided as supporting information in the hard copy submission (One A4 sheet only):			
(a) For the Company/JV submitting for pre-qualification showing the relationships with partners/sub-contractors.			
(b) For the parent company showing the relationship with the Company (if applicable).			
8 Working Language(s)			
		Yes	No
Arabic		<input type="checkbox"/>	<input type="checkbox"/>
English		<input type="checkbox"/>	<input type="checkbox"/>
Other (Specify)	_____	<input type="checkbox"/>	<input type="checkbox"/>
Other (Specify)	_____	<input type="checkbox"/>	<input type="checkbox"/>
Other (Specify)	_____	<input type="checkbox"/>	<input type="checkbox"/>
9 Firm's Membership of Professional Associations (if applicable):			
Professional Association	Acronym	Type of Membership	Member Since (year)

Form DC 3.1
PRE-TENDERING AGREEMENT FOR JOINT VENTURE

THIS AGREEMENT is entered into this _____ day of _____ 20 _____

BETWEEN:

- (1) **[NAME]** of [Address];
- (2) **[NAME]** of [Address]; and
- (3) **[NAME]** of [Address].

Each singly a "Party" and together the "Parties".

RECITALS:

A. The Parties wish to co-operate in a joint venture (hereinafter the "Joint Venture") for the exclusive purpose of tendering for, and performing a contract (hereinafter the "Contract") in connection with **The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems** (hereinafter the "Project"), to be appointed by the **Public Works Authority (PWA)**(hereinafter the "Authority") in accordance with the following terms and conditions.

It is hereby agreed as follows:

Clause 1

The Parties hereby associate in Joint Venture exclusively for the purpose of jointly preparing a submission and tendering in the name ofJoint Venture or in the sole name of.....(as will be acceptable to the Authority) and to jointly perform the Contract in the event that the Tender is successful.

Clause 2

The Parties engage themselves to pursue the object of this Agreement on the basis of mutual exclusivity and undertake that they or their affiliated companies will not participate with any third parties in tenders for the execution of the Project. This clause shall survive the expiry or termination of this Agreement.

Clause 3

The Joint Venture will be backed by the full resources of the Parties who will be jointly and severally responsible for the proper fulfilment of the Contract, regardless of their respective shares in the Joint Venture. Notwithstanding the Parties' joint and several liabilities towards the Authority under the Contract, the Parties' liabilities as between themselves shall be in accordance with the participation percentage stated in Clause 8 hereto.

Clause 4

It is expressly agreed that the relationship constituted by this Agreement is that of a Joint Venture limited as herein stated, and not that of a partnership.

Clause 5

All decisions regarding the Tender, amendments thereof and execution of the Contract shall be taken by unanimity and recorded in writing between the Parties.

Clause 6

The governing principles of the Joint Venture referred to in Recitals A of this Agreement, which shall be reflected in the Joint Venture Agreement are:

- All rights, interests, liabilities, obligations and risks and all profits or net losses arising out of the Contract and Work Order(s) shall be shared or borne by the Parties in such proportion as is set out in the Joint Venture Agreement.

The participation of the Parties will be as follows:

..... percent (..... %) (Joint Venture Member (1))
..... percent (..... %) (Joint Venture Member (2))
..... percent (..... %) (Joint Venture Member (3))

- The Joint Venture Agreement may create a contractual, Non-Incorporated Joint Venture, or an Incorporated Joint Venture company. In the case of a contractual, non-incorporated Joint Venture, the Parties shall be jointly and severally liable to the Authority for the Joint Venture's performance of its obligations. In the case of a Joint Venture company, the Parties shall be obliged to provide the Authority with acceptable guarantees of the Joint Venture's performance of its obligations.

Clause 7

Immediately upon being awarded the Contract, the Parties shall enter into and sign a final Joint Venture Agreement in order to determine in detail the contractual stipulations governing their co-operation as joint ventures. The Authority reserves the right to audit how the Joint Venture is operating at any stage.

Clause 8

This Agreement shall terminate on any of the following occurrences:

- (a) Failure of the Parties to submit a bid to the Authority, or
- (b) The Tender is unsuccessful, or
- (c) Upon expiry of the validity period of the Tender unless extended by mutual agreement of the Parties, or
- (d) The conclusion of the Joint Venture Agreement as per Clause 9 hereof, or
- (e) The Contract is terminated by the Authority.

The termination of this Agreement in case of occurrence of any of items (a) to (e) of this Clause 8 will not become effective until all securities provided by the Parties for the Tender, if any have been paid to the Authority.

Clause 9

The Parties shall not be entitled to sell, assign, or in any manner encumber their interests or any part thereof in this Joint Venture, without obtaining the prior consent of the Authority.

Clause 10

Each of the Parties agrees to place at the disposal of the Joint Venture the benefit of its individual experience, technical knowledge and skill and shall in all respects bear its share of the responsibility and burden of performing the Joint Venture's obligations under the Contract including the provision of information, advice, personnel and any other required resources.

Clause 11

Each Joint Venture Member shall participate fully in the performance of the Joint Venture's obligations, whether as a Party to the Joint Venture Agreement in the case of a contractual, non-incorporated joint venture or as a shareholder in the case of a joint venture company.

Clause 12

Any bonds, guarantees or indemnities required by or arising out of the Contract or otherwise required for the business of the Joint Venture shall be procured by the Joint Venture and the cost of such bonds, guarantees or indemnities shall be borne by the Joint Venture.

Clause 13

Notwithstanding anything to the contrary, this Agreement shall not be considered as establishing an agency or partnership between the Parties or limiting the power or rights of the Parties each to carry on its separate business for its sole benefit. However, the Parties shall at all times act in good faith and to use their best endeavours to safeguard and further their common interests in relation to the Tender and the Contract.

Clause 14

This Agreement shall be governed by and construed in accordance with the Laws of the State of Qatar and shall be subject to the jurisdiction of the courts thereof.

This clause shall survive the termination or expiry of this Agreement.

AS WITNESS WHEREOF the parties have entered into this Agreement on the date first written above.

Authorised signature(s) of the Joint Venture Member (1)

Name:

Title:

In the presence of:

Name:

Title:

Address:

Authorised signature(s) of the Joint Venture Member (2)

Name:

Title:

In the presence of:

Name:

Title:

Address:

Authorised signature(s) of the Joint Venture Member (3)

Name:

Title:

In the presence of:

Name:

Title:

Address:

Appendix A – Definition

- *“Joint Venture Company”:- A company incorporated under Qatari law, formed for the purpose of entering into the Contract, in which the Joint Venture Members are shareholders.*
- *“A Contractual non-incorporated Joint Venture”:- Two or more companies acting in collaboration for profit without incorporation for the purpose of entering into the Contract.*
- *“Parties”:- The Parties to this Agreement.*

Form CON – 4.1

Historical Contract Non –Performance

(to be completed by Prime Contractor, or by each JV Partner, and by Sub-contractors)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

Non-Performing Contracts in accordance with Item 4.1 of Compliance Table in Section III, Subsection B of Qualification Criteria

Contract non-performance did not occur during the five years prior to the deadline for Application submission

OR

Contract(s) not performed during the five years prior to the deadline for Application submission

Year	Non performed portion of contract	Contract Identification	Total Contract Amount (current value, QAR equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of institution: <i>[insert full name]</i> Address of institution: <i>[insert street/city/country]</i> Reason(s) for non-performance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

Failure to Sign a Contract, in accordance with Item 4.2 of Compliance Table in Section III, Subsection B of Qualification

No failure to sign a contract

OR

Failure to sign a contract

In the event of failure to sign a contract, clarify/explain your situation according to Item 4.2 of Compliance Table in Section III, Subsection B of Qualification Criteria.

Pending Litigation, in accordance with Item 4.3 of Compliance Table in Section III, Subsection 4.3 of Qualification Criteria

No pending litigation exists
OR
 Pending litigation exists

Year	Outcome as % of Total Assets	Contract Identification:		Total Contract Amount (current value, QAR equivalent)
		Contract Identification:		
		Name of Employer:		
		Address of Employer:		
		Matter in dispute:		
		Contract Identification:		
		Name of Employer:		
		Address of Employer:		
		Matter in dispute:		

Form FIN – 5.1

Financial Situation

(to be completed by Prime Contractor or by each JV Partner)

Applicant's Legal Name: _____ Date: _____

Project Title : The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page ____ of ____ Pages

Use a separate sheet for each partner

Financial Information in QAR					
	Year 2009	Year 2010	Year 2011	Year 2012	Average
Total Assets (TA)					
Total Liabilities (TL)					
Net Worth (NW)					
Accounts Receivable (AR)					
Current Assets (CA)					
Current Liabilities (CL)					
Total Revenue (TR)					
Operating Profit (EBIT)					
Net Revenue (NR)					
Current Assets/Current Liabilities(Current Ratio)					
Operating Profit/Total Revenue (Profit Margin)					
Total Revenue/Total Assets (Return on Assets)					
Total Liabilities/Total Assets (Debt Ratio)					

Attached are copies of independently audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following conditions:

- a) Must reflect the financial situation of the Applicant or party to a JV, and not sister or parent companies;
- b) Historic financial statements must be audited by a certified accountant;
- c) Historic financial statements must be complete, including all notes to the independently audited financial statements;
- d) Historic financial statements must correspond to accounting periods already completed and independently audited (no statements for partial periods shall be requested or accepted);
- e) Note that in the case of a JV, the evaluation committee will take into consideration the individual financial standing of all JV Partners and the potential percentage of the joint venture they shall be undertaking.

Attached Additional Information:

- Auditor's name, address and fax number
- Financing agency's (if any) name, address and fax number.
- Backlog of works, similar to that being proposed, at the end of the last 4 years and status to date.
- Bank guarantees issued and credit limits in the last 4 years and status to date

* Based on the following exchange rates *(to be filled in just before issue)*

Currency	Sum	Equivalent in Qatari Riyals
British Pound	£1	QR 5.63
Euro	€1	QR 4.46
US Dollar	\$1	QR 3.65

Form FIN – 5.2

Average Annual Sales Turnover

(to be completed by Prime Contractor or by all JV Partners)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

Average Annual Turnover Data in Qatar (to be completed by individual companies of Qatar JV Partner)		
Year	Amount and Currency	QAR equivalent
2009		
2010		
2011		
2012		
Average Annual Turnover Data International (To be completed by Non Qatari JV Partner)		
Year	Amount and Currency	QAR equivalent
2009		
2010		
2011		
2012		

*Average annual turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Item 5.1 of Compliance Table in Section III, Subsection B of Qualification Criteria. Both International Turnover and Local Qatar Turnover should be provided if applicable. International Turnover should be based on the exchange rates in the following table *(to be filled in just before issue)*:

Currency	Sum	Equivalent in Qatari Riyals
British Pound	£1	QR 5.63
Euro	€1	QR 4.46
US Dollar	\$1	QR 3.65

Form FIN – 5.3

Financial Resources and Commitments

(to be completed by Prime Contractor or by all JV Partners)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

Use a separate sheet for each partner

Financial Resources

The Applicant, and each member of a joint venture or other consortium, must fill in this form, specifying the proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, which are available to meet the total construction cash flow demands of the contracts as indicated in Section III, Subsection C.4 of Qualification Criteria.

No.	Source of Financing	Amount (QAR equivalent)
1		
2		
3		
4		

Current Contract Commitments / Works in Progress

The Applicant, and each member of a joint venture or other consortium, must fill in this form, providing information on their current contract commitments, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Name of Contract	Employer, contact address/tel/fax ¹	Value of outstanding work (current QAR equivalent)	Estimated completion date	Average monthly invoicing over last six months (QAR/month)
1.				
2.				
3.				
etc.				

Bonding Capacity

The Applicant certifies that it possesses, or can obtain, the necessary bonding capacity

¹ The Employer reserves the right to contact this person or any other person for a reference check. It is in the best interest of the Applicant to check that the contact person provided in this form responds within a maximum of five days when contacted by the PWA. If no response is received from the reference, PWA may treat this as an indication of poor performance on the contract.

(100% of the contract price) to undertake an awarded contract.

Yes No

If the answer is yes, please enclose a letter executed and stamped by the Applicant's bank.

Form EXP – 6.1

General Experience

(to be completed by Prime Contractor or by JV Partners)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

On a separate page, and using the following format, the Applicant is requested to present his project experience intended to address the requirements set out in Section III, Subsection 6. The partners of a proposed Joint Venture should provide details of similar contracts undertaken by any of the Joint Venture partners. The value should be based on the currencies of the contracts converted into Qatar Riyals, at the rates given in Form FIN – 5.1. The information is to be summarised for each project being submitted by the Applicant to fulfil the requirements of this criterion.

1.	Name & Number (if applicable of Contract)	
2.	Location (Country, State, Region, etc.)	
3.	Name of Employer	
4.	Employer Representative (provide full contact information)	
5.	Employer's Design Engineer (provide full contact information)	
6.	Nature of works and special features relevant to the package for which the Applicant wishes to prequalify	
7.	Contract Role (check one)	
	<input type="checkbox"/> Sole Contractor	<input type="checkbox"/> Management Contractor
	<input type="checkbox"/> Partner in a Joint Venture	<input type="checkbox"/> Sub Contract
8.	Type of Contract (check one)	
	<input type="checkbox"/> Design-build	<input type="checkbox"/> Design-build-operate
	<input type="checkbox"/> Supply Only	<input type="checkbox"/> Supply Only / Other
9.	(a) Total contract value (b) your subcontract value (c) your partner share in JV value (in Qatar Riyals at the rates given on Application Form DC 3.1)	
	(a)	(b) (c)
10.	For sole/prime contractors, indicate the approximate Qatar Riyal amount and nature of substantial work (more than 20 per cent in contract value) undertaken by subcontract, if any.	
11.	Final Contract Cost	
12.	Date of Award	Contract Duration

13.	Actual Date of Completion						
14.	Completed on Schedule (if not, explain)						
15.	Number & Category of Staff Engaged on Project						
	<table border="1"> <thead> <tr> <th>Number</th> <th>Category</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Number	Category				
	Number	Category					
16.	Project Description (to include relevant information to the scope of the construction package being applied for)						
17.	Explanation of any difference between the “as awarded” contract value and the contract value at completion, including details of the party initiating any variations, the average length of time taken to agree any time or cost variations, the number of successful variation claims and the number of unsuccessful variation claims.						

Form EXP – 6.2

Specific Local Experience

(to be completed by Prime Contractor or by JV Partners)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

On a separate page, using the format of the following form, the Applicant is requested to present his local experience (PWA experience preferred) in accordance with the requirements set out in Section III, Subsection 6. The partners of a proposed joint venture should provide details of similar contracts undertaken by any of the Joint Venture partners. The value should be based on the currencies of the contracts converted into Qatar Riyals, at the rates given on Application Form FIN – 5.1. The information is to be summarised for each project being submitted by the Applicant to fulfil the requirements of this criterion.

Project Title		Information	
Date of Project:		Contract Amount	
If PWA Project, provide PWA Contract Representative (name and full contact information)			
Name:		Contact Information	
Project description noting similarity of PWA requirements in Section III.C.5 of the Qualification criteria. (maximum of 200 words)			

Form EXP – 7.1

Organisational Structure

(to be completed by Prime Contractor or by Lead JV Partner)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

The organisational structure (chart) should be presented in the form of diagrams with explanatory notes and should:

- Identify key positions
- Identify specific roles and a brief list of responsibilities of each position
- Show lines of authority and reporting relationships
- Identify key positions to be held by each JV partner (if applicable)
- Identify key skills, qualifications, experience for each position

Note: Organisational Structure (Chart) and the above required information/details should be limited to two A4 sheets.

Form EXP – 7.2

Personnel Capabilities

(to be completed by Prime Contractor or by Lead JV Partner)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

The following positions are deemed essential to project implementation, Applicants should provide the names of at least two candidates qualified to meet the specified requirements stated for each position applicable to the construction package covered by the Application. The data on their experience should be supplied in separate sheets using one Form EXP – 7.3 per person.

Position	Technology Lot	Years of Experience			
		Total	In Similar Works	As Manager or Technical Lead (as appropriate) of Similar Works	Experience in the Gulf
Principal / Project Director	All				
Prime Candidate					
Alternate Candidate					
Project Manager	All				
Prime Candidate					
Alternate Candidate					
Design Manager	All				
Prime Candidate					
Alternate Candidate					
Technical Design Authority	All				
Prime Candidate					
Alternate Candidate					
Technical Design Manager	All				
Prime Candidate					
Alternate Candidate					
Engineering Manager	All				
Prime Candidate					
Alternate Candidate					
HSE Manager	2, 3, 4, 5, 7 & 8				
Prime Candidate					
Alternate Candidate					
Enterprise Architect	1				
Prime Candidate					
Alternate Candidate					
Solution Architect	1				
Prime Candidate					
Alternate Candidate					
Software Architect	1				

Position	Technology Lot	Years of Experience			
		Total	In Similar Works	As Manager or Technical Lead (as appropriate) of Similar Works	Experience in the Gulf
Prime Candidate					
Alternate Candidate					
Lead Software Developer	1				
Prime Candidate					
Alternate Candidate					
Design Manager	2, 3, 4, 5, 7 & 8				
Prime Candidate					
Alternate Candidate					
HSE Manager	2, 3, 4, 5, 7 & 8				
Prime Candidate					
Alternate Candidate					
Lead Engineer	2, 3, 4, 5, 7 & 8				
Prime Candidate					
Alternate Candidate					
Construction Manager	2, 3, 4, 5, 7 & 8				
Prime Candidate					
Alternate Candidate					
Field Construction Superintendent	2, 3, 4, 5, 7 & 8				
Prime Candidate					
Alternate Candidate					
Senior Telecommunications Designer	6				
Prime Candidate					
Alternate Candidate					
Lead Telecommunications Engineer	6				
Prime Candidate					
Alternate Candidate					
Field Network Engineer	6				
Prime Candidate					
Alternate Candidate					
Solution Architect	9				
Prime Candidate					
Alternate Candidate					
Lead Application Developer	9				
Prime Candidate					
Alternate Candidate					
Field Network Engineer	9				
Prime Candidate					
Alternate Candidate					

Form EXP – 7.3

Candidate CVs – Maximum 3 pages per person

(to be completed for each candidate listed under Form EXP – 7.2)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

Page _____ of _____ Pages

Position		Candidate <input type="checkbox"/> Prime <input type="checkbox"/> Alternate	
Candidate Information	Name of Candidate		Date of Birth
	Education		Nationality
	Total Years of Experience		Languages
	Membership in Recognised International Organisations/Institutions		
	Professional Key Qualifications & Experience (Included detailed relevant project experience to include name & location of project, client and representative contact information, type of contract, contract value, role in project, period of project, date of completion, and relevant technical details to demonstrate similar nature of experience to scope of package in accordance with the requirements of Part 2 Section		
Present Employment	Name of Employer		
	Address of Employer		
	Telephone		
	Fax		
	Email		
	Job Title of Candidate		
	Years with Present Employer		
	Contact (manager / personnel officer)		

Employment Record	Summarise professional experience over the last 10 year in reverse chronological order. Indicate particular technical and managerial experience relevant to the relevant construction package. Information to include:	
	From/To	
	Company & Position	
	Project Name	
	Relevant Experience	
Certification		
I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experience.		
(Signature of staff member and authorized Representative of the firm)		
Staff Member Name:	_____	Signature: _____
Representative of Firm:	_____	Signature: _____
Date:	_____	

Form HSE– 8.1

Health, Safety and Environment

(to be completed by Prime Contractor or by all JV Partners)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

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Health Safety & Environment Criteria (Please Tick Each Box as Appropriate)		Yes	No
1	Is your company Safety Management System (SMS) certified to OHSAS 18001:2007? If 'yes' provide a copy of your current certificate.		
2	If the answer to Question 1 is no, describe on a separate sheet your current safety management system and plan including any future plans to achieve certification. (Maximum 200 words).		
3	Is your company Environment Management System certified to ISO 14001:2004? If 'yes' provide a copy of your current certificate.		
4	If the answer to Question 3 is no, describe on a separate sheet your current Environment management system including any future plans to achieve certification. (Maximum 200 words).		
5	Does your company have personnel assigned the responsibility of HSE at the corporate level?		
6	Does your company have personnel assigned the responsibility of HSE at the project/site level?		
7	Does your company provide adequate personal protective equipment, induction training for new starters, tool-box talks, inspection, maintenance and replacement?		
8	Do you always have trained First-aiders on construction sites and keep documented medical records?		
9	Does your company have a process for identifying hazards and assessing/managing risks associated with identified hazards?		
10	Describe on a separate sheet the level of site welfare facilities you would expect to provide on the project being applied for? (Maximum 200 words).		

11	Please provide the following safety performance data:				
		2012	2011	2010	2009
	Fatalities				
	Lost Time Injuries (LTI) (>3 days)				
	Total hours worked				
	Accident Frequency Rate (AFR) *				
	Medical Treatment Injuries				
	Prosecuted for any HSE related offences				
	Prohibition or improvement notices by an enforcement authority				
	*Accident Frequency Rate (AFR) = (Total of LTI >3 days) divided by (the total hours worked) divided by (100,000).				

Form QM – 8.2

Quality Management

(to be completed by Prime Contractor or by all JV Partners)

Applicant's Legal Name: _____ Date: _____

Project Title: The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

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Question	Quality Management Criteria <i>(Please Tick Each Box as Appropriate)</i>	Yes	No
1	Is your company Quality Management System (QMS) certified to BS EN ISO 9001:2008? If 'yes' provide a copy of your certificate.		
2	If the answer to Question 1 is no, describe on a separate sheet your current Quality Management System and plan including any future plans to achieve certification. (Maximum 200 words).		
3	Does your company provide technical training and or certification for your work force?		
4	Does your company provide job specific Quality training to your employees?		
5	Does your company have a process to control and monitor the quality of your workmanship?		
6	Does your company have a process to control and monitor the quality of your construction materials?		
7	Does your company have a process to control and monitor the quality of your equipment and plant?		
8	Does your company have a process to control and monitor the quality of your subcontractor's performance?		
9	Does your company have a system where knowledge, skills and experience gained by individuals is disseminated, shared and redeployed?		

Form RS – 9.1

Resources, Plant & Equipment

(to be completed by Prime Contractor or by all JV Partners)

Applicant's Legal Name:

Date:

Project Title:

The Design, Manufacture, Supply and Installation of
Installation of Intelligent Transportation Systems (ITS)

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1.	How many employees do you directly employ currently who are located in the State of Qatar?	
2.	How many employees do you directly employ currently who are located in GCC countries?	
3.	How many employees do you directly employ currently who are located internationally ?	
4.	How many staff do you employ in Qatar at each grade, relevant to the work that is the subject of this application?	
	Management	Professional
	Administrative / Clerical	Construction Supervisors
	Software Specialists	Hardware Specialists
	General Technical Labour	Others
		Total
1.	Briefly describe your company's material procurement process and explain how you will manage your supply chain to ensure security of supply both in terms of price and quantity. (Maximum of 200 words)	

Form MAQ – 10.1

Management Approach Questions

(to be completed by Prime Contractor or by all JV Partners)

Applicant's Legal Name:

Date:

Project Title:

The Design, Manufacture, Supply and Installation of Intelligent Transportation Systems (ITS)

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This section will examine the Applicant's management approach associated with delivering projects of similar nature to the construction package being applied for. This section must be answered having given due consideration to the details of package scope of work(s).

1.	PWA intends to establish and implement industry best practices for health and safety on all projects under this Programme to better protect both the workers on site and the public as a whole. Please summarise your organisational approach and explain how your Health and Safety policies, systems, and procedures will align with and contribute to the achievement of PWA objectives for the construction package for which Applicant is applying. (200 to 500 words)
2.	How does the Applicant intend to manage the safety of its nominated subcontractors and supply chain for this <i>specific</i> package. (200 to 500 words)

3.	Please describe how Applicant's approach to undertaking initiatives to improve workforce safety culture and provide examples of the outcomes achieved where similar initiatives have been implemented. (200 to 500 words)
4.	PWA intends to establish and implement industry best practices for quality on all projects under this Programme that minimise defects and create a right first time culture. Please summarise your organisational approach and describe how your quality policies, systems, and procedures will align with PWA objectives and assure that a quality product is being delivered this <i>specific</i> package. (200 to 500 words)
5.	Please describe your organisational approach to achieving sustainability in construction. What specific measures would you employ to embed best environmental management practices for this <i>specific</i> package. (200 to 500 words)

6.	<p>Please describe your organisational approach to stakeholder liaison. How will you ensure that that all those affected by your works are consulted and informed? Describe the key measures you will take to minimise disruption to residents and the travelling public and address any public complaints. This should include the working arrangements with other related ITS Service Providers for ITS (Ooredoo, Vodafone, QNBN and Kahramaa) (200 to 500 words)</p>
7.	<p>Please describe how you will manage the physical and organisational logistics for providing the necessary resources (labour, plant, equipment, and materials) for a specific project within the construction package for which the Applicant is applying. Given the number of projects and programmes planned in Qatar during the timeframe of the this Programme, describe how your logistics program will be mobilised and implemented. (200 to 500 words)</p>
8.	<p>Please identify the top five key risks at the specific project level for the TL for which the Applicant is applying and describe how you will manage and mitigate those risks. (200 to 500 words)</p>

9.	Please describe the legacy the Applicant intends to leave upon completion of their specific TL. (200 to 500 words)
10.	Describe the management processes and reports for document management, contract management, scheduling, cost management, etc. that the Applicant plans to use on this specific TL. (200 to 500 words)
11	Describe your approach to innovation in ITS and future development opportunities for products and services. (200 to 500 words)

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PROCEDURES AND WORK REQUIREMENTS

PART 2 - WORK REQUIREMENTS

PART 2: WORK REQUIREMENTS

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Note: The above documents are not final. PWA reserves the right to make any changes to the documents that do not change the document philosophy, without incurring any liability to Applicants. The final documents will be part of the Tender Documents.

APPENDIX A: SCOPE OF WORKS

1.0 INTRODUCTION

- 1.1 1.1 The State of Qatar is a peninsula located on the northeast coast of the much larger Arabian Peninsula with a total land area of approximately 11,500 square kilometres. The population is approximately 1.7 million inhabitants (2009 census) with almost 83% of the inhabitants residing in Doha and its main suburb Al-Rayyan.
- 1.2 The State of Qatar has experienced rapid economic growth over the last several years. This economic growth has resulted in increased demand for the State to construct and provide first-class infrastructure such as government buildings (hospital, schools, and the like) transportation networks (harbours, airports, highways, roads etc.) and services (power, water, sewerage, waste disposal etc.).
- 1.3 This increased demand has consequently placed extraordinary requirements on the relevant government entities and their resources. It has become necessary to enhance the capacity of these government entities in order to deliver the required infrastructure.
- 1.4 The PWA (Public Works Authority), also known as Ashghal, is responsible for the planning, design, procurement construction, assets management, and delivery of infrastructure and building works in the State of Qatar.
- 1.5 PWA contributes to the economic and social development of the State of Qatar through implementing public projects in accordance with the approved plans of the State. In coordination with other agencies in the State, PWA implements and programmes the execution of public projects consistent with the approved State objectives and allocated budget.
- 1.6 PWA's tasks also include preparation of studies, designs, and technical specifications for the public projects; procurement of public projects and overseeing the work; implementing major maintenance projects according to the plans, programmes and studies developed; as well as implementation, management, operation and maintenance of roadways and related ITS Infrastructure .
- 1.7 Through its major departments, PWA strives to develop the State's infrastructure and public amenities to the level of international standard achieved by developed countries and communities and in general it contributes to the overall sustainable development of the State in economic and social areas of the State.
- 1.8 The Public Works Authority as the operator of the roadway infrastructure in the State of Qatar has a primary responsibility for the safe and secure use of roadways during normal operation and during international events (FIFA World Cup 2022).

2.0 PROGRAMME OVERVIEW

- 2.1 The Public Works Authority strives to develop the state's infrastructure and public utilities to the best international standard levels. As a part of the roads investment programme and with regards to the management and optimisation of the road traffic, the Public Works Authority has identified a need for the supply, build, installation and maintenance of the technology and services required for Intelligent Transportation Systems (ITS) and related safety and security systems across the State of Qatar.
- 2.2 This need for ITS has been further defined within the National ITS Master Plan (2012-2020) which has been developed for the State of Qatar. Together with its supporting National ITS Architecture and National ITS Action Plan documents, the National ITS Master Plan provides the strategic framework under which ITS systems and services will be designed, deployed, operated and maintained in Qatar between 2012-2020 and beyond.
- 2.3 The Qatar National ITS Master Plan is to be launched in the near future which comprises the following 15 ITS strategies that will deliver world class infrastructure for a fully optimized and integrated multi-modal transportation system, using state-of-the-art ITS:
 1. Define, form and operate the state of Qatar ITS Governing Body
 2. Contributing to the "Keeping Doha Moving" initiative
 3. Implementing a smart work zone program
 4. Implementing the ITS components of a roadway operations program
 5. Implementing the ITS components of a roadway incident management system
 6. Implementing the ITS components of a commercial vehicle operations program
 7. Develop and implement an integrated multi-modal traveller information system
 8. Implement an integrated payment mechanism for the transportation network
 9. Implementing the ITS components of a parking management program
 10. Develop and implement the Qatar transportation data archive
 11. Implementing the ITS components of public transport fleet management systems
 12. Develop and implement a connected vehicle program
 13. Implementing the ITS components of a roadway asset management program
 14. Implementing the ITS components of a roadway traffic regulation enforcement program
 15. Develop, implement and operate a National Transportation Management Centre

3.0 OUTLINE WORKSCOPE

- 3.1 The Public Works Authority is seeking to put in place a comprehensive framework agreement for use by the State of Qatar transportation network stakeholders and any future successors to these organisations.
- 3.2 The framework agreement will be managed by the Public Works Authority and could be used by other industries and bodies in the State of Qatar.
- 3.3 The framework agreement shall be split into TLs to enable detailed evaluation of supplier technology and service quality.
- 3.4 It is envisaged that there shall be a limited number of framework suppliers. To succeed individual firms who are unable to deliver all lots should expect to form consortia or joint ventures later in the tender process.
- 3.5 The nine TLs are as follows:-
 1. Software Systems including, but not limited to:
 - Command and Control Systems (Systems Integration)
 - Expressway / Motorway / Freeway Management Systems
 - Urban / Adaptive Traffic Control Systems
 - Tunnel Management and Control (including SCADA)
 - Integrated Traffic Management System
 - Corridor management systems
 - Asset management systems
 - Video analysis systems
 - Multi-Modal Traveller Information System
 - Transportation Data Archive
 - Operations and service management systems
 - Traveller Information Dissemination System
 - Journey time and travel plan systems
 - Floating vehicle data systems
 - Fault Management Systems
 - Board control systems
 - Modelling and Micro-simulation
 - Business Intelligence
 2. Detection Technologies including, but not limited to:
 - Automatic Incident Detection
 - Safety and enforcement cameras
 - License Plate Recognition System
 - Traffic counters
 - Closed Circuit Television (CCTV)
 - Thermal Imaging
 - Red light cameras
 - Fixed speed and variable speed cameras
 - Over-Height Vehicle Detection
 - Weigh-In Motion
 - Environmental Monitoring
 - Workzone Safety Systems
 - Bluetooth readers
 - Microwave, radar, LIDAR, Infrared

- Magnetometers and induction loop based detection systems.
- 3. Information Provision Technologies including, but not limited to:
 - Dynamic Message Signs (DMS) fixed and mobile
 - Car park information signs
 - Lane Control Signs
 - Video Matrices
 - Real Time Passenger Information displays.
- 4. Parking and Access Control Systems including, but not limited to:
 - Parking Management
 - Entry and Access Control
 - Barriers
 - Parking Space Counting System.
- 5. Traffic Signals including, but not limited to:
 - Traffic Signal heads and controllers
 - Pedestrian Signal heads and controllers
 - Ramp Metering
 - Traffic Detectors.
- 6. Payment Systems including, but not limited to:
 - Integrated Ticketing and Smart Cards
 - Toll Payment
 - Parking Payment
 - Priority System
 - Road Pricing
 - e-payment / e-Commerce / e-Government
- 7. Security and Safety Systems including, but not limited to:
 - Intrusion Detection
 - Proximity Detection
 - Tunnel Safety Systems
 - HazMat safety equipment
 - Workzone Safety
 - X-Ray and electronic screening technologies
 - Access Control
 - Vehicle Tracking Systems.
- 8. Telecommunications Technology including, but not limited to:
 - Network cabling (fibre optic and copper)
 - Backbone and access network transmission systems
 - Power supplies (including UPS)
 - Racks and cabinets (internal and external)
 - Cable management and termination facilities
 - Telecommunications Network and Service Management Systems
 - Wireless Telecommunications systems.
- 9. Connected Vehicle Program research design and delivery activities required to create a nationwide connected vehicle system within the State of Qatar. The program shall include but not be limited to:
 - Vehicle-to-Vehicle and Vehicle-to-Infrastructure technologies

- Cooperative intersection applications
 - Intelligent routing
 - Hazard and incident warning and intelligent speed adaption
 - Traffic information provisioning and fleet management.
- 3.6 The work scope for TLs 1 to 8 include, but are not limited to, the following:
The supply and fixing of associated street furniture (e.g. gantries, brackets, mountings, coverings, posts, barriers and vehicle restriction systems) to secure, mount and support the above equipment
- 3.6.1 Implementation and maintenance of the services
- 3.6.2 Controllers and software
- 3.6.3 The ability of the supplier to innovate and adapt their products to meet the needs created by changes in technology (e.g. work with future autonomous systems)
- 3.6.4 Additional goods or services which are necessary for the implementation and operation of the above equipment including testing and calibration equipment.
- 3.7 The performance of suppliers and associated technology within the framework agreement will be monitored and linked to payments. Equipment performance will include operational availability, ITS telecommunication network availability and power supply availability. Particular attention will also be given to equipment performance within the Qatar environment (i.e. high temperatures, dust and sand), any technology that does not have a track record within these conditions can expect a long evaluation period before it is fully accepted.

4.0 SUBSEQUENT TENDERING SCHEDULE

4.1 The provisional tendering schedule will be as follows:

Return of Prequalification Application	As per the Notification for Prequalification advertisement
Results of Prequalification	60 days following receipt of Applications
Invitation to Tender	To be advised, expected 3Q 2013
Submission of Tender	To be advised
Contract award	To be advised

5.0 TENDER SUBMISSIONS

- 5.1 The tender will comprise a Technical Submission and a separate Financial Submission.
- 5.2 Prequalifying firms or JVs must expect to undertake and submit significant preliminary designs and drawings to demonstrate that they have fully considered all aspects of the requirements of the contract and that their tender is robust.

APPENDIX B: CONDITIONS OF CONTRACT

1.0 TYPE OF CONTRACT

The type of contract used will be as follows:

- 1.1 Design, Manufacture, Supply and Installation form of contract.