

## **NEHRU OUTER RING ROAD PROJECT**

**(Bid Notice No. CGM(T)/HGCL/1/10-11)**

### **Pre-Qualification Document For**

**Design, Supply, Installation, Commissioning, testing, Warranty and Maintenance for equipments of Highway Traffic Management System (HTMS) and Related Facilities for Outer Ring Road to Hyderabad City in the state of Andhra Pradesh, India being taken up with the loan assistance of Japan International Cooperation Agency under Phase-2 program.**

December, 2010

# **PREQUALIFICATION DOCUMENTS**

**for**

**Design, Supply, Installation, Commissioning, testing, Warranty and Maintenance for equipments of Highway Traffic Management System (HTMS) and Related Facilities for Outer Ring Road to Hyderabad City in the state of Andhra Pradesh, India being taken up with the loan assistance of Japan International Cooperation Agency under Phase-2 program.**

**Issued on: \_\_\_\_\_**

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# Invitation for Prequalification (IFP)

December, 2010

REPUBLIC OF INDIA

Bid Notice No:CGM(T)/HGCL/1/10-11

Date: 09-12-2010

## Design, Supply, Installation, Commissioning, Testing, Warranty & Maintenance of Highway Traffic Management System (HTMS) and Related Facilities.

1. The HYDERABAD GROWTH CORRIDOR LIMITED (HGCL), Joint venture Company of Hyderabad Metropolitan Development Authority (HMDA) and Infrastructure Corporation of Andhra Pradesh (INCAP) has received a Loan from Japan International Cooperation Agency (hereinafter referred to as JICA) in the amount of 42,027 Million Yen towards the cost of Nehru Outer Ring Road Project (hereinafter called as "Project"), as per the Loan Agreement signed on 21<sup>st</sup> November 2008. It is intended that part of the proceeds of this Loan will be applied to eligible payments for which this Invitation for Prequalification is issued. Bidding will be governed by JICA's eligibility rules and procedures.
2. The Hyderabad Growth Corridor Limited (HGCL), (hereinafter referred to as "the Employer") intends to prequalify contractors and/or firms for Design, Supply, Installation, Commissioning, testing, Warranty and Maintenance for equipments of Highway Traffic Management System (HTMS) and Related Facilities for Outer Ring Road to Hyderabad City in the state of Andhra Pradesh, India being taken up with the loan of assistance of Japan International Cooperation Agency under Phase-2 program.
3. It is expected that Invitation for Tender will be made in May,2011.
4. Prequalification will be conducted through prequalification procedures specified in the Guidelines for Procurement under Japanese ODA Loans, March 2009, and is open to all bidders from eligible source countries, as defined in the guidelines.
5. Interested eligible Applicants may obtain further information from and inspect the Prequalification Documents at the address given below; at end of this IFP from 1030 Hours to 1730 Hours on all working days after 10<sup>th</sup> December, 2010.
6. A complete set of the Prequalification Document may be purchased by interested Applicant(s) on the submission of a written application to the address below and upon payment of a nonrefundable fee of INR 25,000 in the form of Cash or Demand Draft drawn in Favour of the Hyderabad Growth Corridor Limited, payable at Hyderabad, Andhra Pradesh, India.
7. Applications for prequalification should be submitted in sealed envelopes, delivered to the address below by **4<sup>th</sup> February, 2011** and be clearly marked "Application to Pre-qualify for Design, Supply, Installation, Commissioning, testing, Warranty and Maintenance for equipments of Highway Traffic Management System (HTMS) and Related Facilities for Outer Ring Road to Hyderabad City in the state of Andhra Pradesh, India being taken up with the loan of assistance of Japan International Cooperation Agency under Phase-2 program."

Organization: Hyderabad Growth Corridor Limited

Attention: Managing Director,

Address: Ground Floor, HMDA Complex, Tarnaka,  
Secundarabad, Hyderabad, 500 007.

Andhra Pradesh, India.

Telephone: +91 40 2700 2746

Facsimile number: +91 40 2700 2745

Electronic mail address: [mdhgcl@gmail.com](mailto:mdhgcl@gmail.com), [cgmhgcl@gmail.com](mailto:cgmhgcl@gmail.com)

# PART 1 – Prequalification Procedure

## Section I. Instructions to Applicants

### A. General

- 1. Scope of Application**
  - 1.1 In connection with the Invitation for Prequalification indicated in Section II, Prequalification Data Sheet (PDS), the Employer, as **defined in the PDS**, issues these Sample Prequalification Documents (SPD) to Applicants interested in bidding for the Works described in Section VI, Scope of Works. The reference identification number of the contract, if any, is **provided in the PDS**.
  
- 2. Source of Funds**
  - 2.1 The Borrower indicated in the PDS has received a Japanese ODA Loan from Japan International Cooperation Agency (hereinafter referred to as “JICA”), with the number, in the amount, and on the signed date of the Loan Agreement indicated in the PDS, towards the cost of the project named in the PDS. The Borrower intends to apply a portion of the proceeds of the loan to eligible payments under the contract(s) resulting from the bidding for which this prequalification is conducted.
  - 2.2 Disbursement of a Japanese ODA Loan by JICA will be subject, in all respects, to the terms and conditions of the Loan Agreement, including the disbursement procedures and “Guidelines for Procurement under Japanese ODA Loans”. No party other than the Borrower shall derive any rights from the Loan Agreement or have any claim to loan proceeds.
  - 2.3 The above Loan Agreement will cover only part of the project cost. As for the remaining portion, the Borrower will take appropriate measures for finance.
  
- 3. Fraud and Corruption**
  - 3.1 It is JICA’s policy to require that Bidders and Contractors, as well as Borrowers under contracts funded with Japanese ODA Loans and Other Japanese ODA, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, JICA:
    - (a) will reject a proposal for award if it determine that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
    - (b) will recognize a Bidder or Contractor as ineligible, for a period determined by JICA, to be awarded a contract funded with Japanese ODA Loans if it at any time determines that the Bidder or

the Contractor has engaged in corrupt or fraudulent practices in competing for, or in executing another contract funded with Japanese ODA Loans or other Japanese ODA.

#### 4. Eligible Applicants

- 4.1 An Applicant may be a single entity or any combination of entities in the form of joint venture or association (JVA) with the formal intent, as evidenced by a letter of intent, to enter into an agreement or under an existing agreement. In the case of a JVA,
- (a) **unless otherwise specified in the PDS**, all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms, and
  - (b) the JVA shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JVA during the prequalification process and, in the event the JVA is prequalified, during the bidding process, and in the event the JVA is awarded the Contract, during contract execution.
- 4.2 An Applicant and all partners constituting the Applicant shall be from an eligible source country as listed in Section V, List of Eligible Countries of Japanese ODA Loans.
- 4.3 An Applicant shall not have a conflict of interest. All Applicants found to have a conflict of interest shall be disqualified from participating in this prequalification process. An Applicant may be considered to have a conflict of interest with one or more parties in this prequalification process if:
- (a) an Applicant has been engaged by the Employer to provide consulting services for the preparation related to procurement for or implementation of the project;
  - (b) an Applicant is any of its associates/affiliates (inclusive of parent firms) mentioned in subparagraph (a) above; or
  - (c) an Applicant lends, or temporarily seconds its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project, if the personnel would be involved in any capacity on the same project.
- 4.4 An Applicant shall submit only one application in the same Prequalification process, either individually as an Applicant or as a partner of a JVA. An Applicant who submits, or participates in, more than one application will cause all the applications in which the Applicant has participated to be disqualified. No Applicant can be a subcontractor while submitting an application individually or as a partner of a JVA in the same Prequalification process. A subcontractor in any application may participate in more than one application, but only in that capacity.
- 4.5 An Applicant, that has been determined to be ineligible by JICA in accordance with ITA 3, shall not be eligible to be awarded a

contract.

- 4.6 Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.

**5. Eligible Goods and Related Services**

- 5.1 All Goods and related services to be supplied under the Contract to be financed by JICA shall have their origin in any country in accordance with Section V, List of Eligible Countries of Japanese ODA Loans.

## **B. Contents of the Prequalification Documents**

**6. Sections of Prequalification Documents**

- 6.1 The documents for the prequalification of Applicants (hereinafter referred to as “Prequalification Documents”) consist of parts 1 and 2 which comprise all the sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITA 8.

PART 1 Prequalification Procedures

- Section I. Instructions to Applicants (ITA)
- Section II. Prequalification Data Sheet (PDS)
- Section III. Qualification Criteria and Requirements
- Section IV. Application Forms
- Section V. List of Eligible Countries of Japanese ODA Loans
- PART 2 Works Requirements
- Section VI. Scope of Works

- 6.2 The “Invitation for Prequalification” issued by the Employer is not part of the Prequalification Documents. Forms are provided as an attachment to these Prequalification Documents.

- 6.3 The Employer accepts no responsibility for the completeness of the Prequalification Documents and its addenda unless they were obtained directly from the Employer.

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

- 6.5 General information on the climate, hydrology, topography, access to site, transportation and communications facilities, medical facilities, project layout, expected period, and other services and facilities to be provided by the Employer is furnished in Section VI, Scope of Works.

**7. Clarification of Prequalification**

- 7.1 A prospective Applicant requiring any clarification of the Prequalification Documents shall contact the Employer in

**Documents**

writing at the Employer's address **indicated in the PDS**. The Employer will respond in writing to any request for clarification provided that such request is received no later than fourteen **(14) days prior to the deadline for submission of applications**. The Employer shall forward copies of its response to all Applicants who have acquired the Prequalification Document directly from the Employer including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Prequalification Document as a result of a clarification, it shall do so following the procedure under ITA 8 and in accordance with the provisions of ITA 17.2.

**8. Amendment of Prequalification Documents**

- 8.1 At any time prior to the deadline for submission of applications, the Employer may amend the Prequalification Documents by issuing addenda.
- 8.2 Any addendum issued shall be part of the Prequalification Documents and shall be communicated in writing to all who have obtained the Prequalification Documents from the Employer.
- 8.3 To give prospective Applicants reasonable time to take an addendum into account in preparing their applications, the Employer 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 Employer 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 Employer, shall be written in the language specified in the PDS. 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 PDS, in which case, for purposes of interpretation of the application, the translation shall govern.

**11. Documents Comprising the Application**

- 11.1 The application shall comprise the following:
- (a) Application Submission Form, 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;

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| <p><b>12. Application Submission Form</b></p>                                | <p>12.1 The Applicant shall prepare an Application Submission Sheet using the form furnished in Section IV, Application Forms. This Form must be completed without any alteration to its format.</p>   |
| <p><b>13. Documents Establishing the Eligibility of the Applicant</b></p>    | <p>13.1 To establish its eligibility in accordance with ITA 4, the Applicant shall complete the eligibility declarations in the Application Submission Form and Forms ELI (eligibility) 1.1 and 1.2, included in Section IV, Application Forms.</p>  |
| <p><b>14. Documents Establishing the Qualifications of the Applicant</b></p> | <p>14.1 To establish its qualifications to perform the contract(s) in accordance with Section III, Qualification Criteria and Requirements, the Applicant shall provide the information requested in the corresponding forms included in Section IV, Application Forms.</p>  |
| <p><b>15. Signing of the Application and Number of Copies</b></p>            | <p>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 duly authorized to sign on behalf of the Applicant.</p> <p>15.2 The Applicant shall submit copies of the signed original application, in the number <b>specified in the PDS</b>, and clearly mark them “COPY”. In the event of any discrepancy between the original and the copies, the original shall prevail.</p> |

## D. Submission of Applications

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| <p><b>16. Sealing and Identification of Applications</b></p> | <p>16.1 The Applicant shall enclose the original and the copies of the application in a sealed envelope that shall:</p> <ul style="list-style-type: none"> <li>(a) bear the name and address of the Applicant;</li> <li>(b) be addressed to the Employer, in accordance with ITA 17.1; and</li> <li>(c) bear the specific reference identification number of this prequalification process, if any, <b>indicated in PDS 1.1</b>.</li> </ul> <p>16.2 The Employer will accept no responsibility for not processing any envelope that was not identified as required.</p> |
| <p><b>17. Deadline for Submission of Applications</b></p>    | <p>17.1 Applicants may always submit their applications by mail or by hand. Applications shall be received by the Employer at the address and no later than the <b>deadline indicated in the PDS</b>. A receipt will be given for all applications submitted.</p> <p>17.2 The Employer may, at its discretion, extend the deadline for the submission of applications by amending the Prequalification Documents in accordance with ITA 8, in which case all rights</p>   |

and obligations of the Employer and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

- 18. Late Applications** The Employer reserves the right to accept or reject late applications.
- 19. Opening of Applications** The Employer shall prepare a record of the opening of applications that shall include, as a minimum, the name of the Applicant. A copy of the record shall be distributed to all Applicants.

## **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 such process until the notification of prequalification 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 Employer on any matter related to the prequalification process, may do so but only in writing.
- 21. Clarification Of Applications**
- 21.1 To assist in the evaluation of applications, the Employer may, at its discretion, ask any Applicant for a clarification of its application which shall be submitted within a stated reasonable period of time. Any request for clarification and all clarifications shall be in writing.
- 21.2 If an Applicant does not provide clarifications of the information requested by the date and time set in the Employer's request for clarification, its application may be rejected.
- 22. Responsiveness Of Applications**
- 22.1 The Employer may reject any application which is not responsive to the requirements of the Prequalification Documents.
- 23. Subcontractors**
- 23.1 Applicants planning to subcontract any of the key activities indicated in Section III, Qualification Criteria and Requirements, shall specify the activity(ies) or parts of the Works to be subcontracted in the Application Submission Form. Applicants shall clearly identify the proposed specialist subcontractor(s) in Forms ELI-1.2 and EXP (experience)-4.2(b) in Section IV, Application Forms. Such proposed specialist subcontractor(s) shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria and Requirements.
- 23.2 At this time, the Employer does not intend to execute certain specific parts of the Works by subcontractors selected in

advance by the Employer (Nominated Subcontractors) unless **otherwise stated in the PDS.**

## **F. Evaluation of Applications and Prequalification of Applicants**

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| <b>24. Evaluation of Applications</b>                        | <p>24.1 The Employer shall use the factors, methods, criteria, and requirements defined in Section III, Qualification Criteria and Requirements to evaluate the qualifications of the Applicants. The use of other methods, criteria, or requirements shall not be permitted. The Employer reserves the right to waive minor deviations in the qualification criteria if they do not materially affect the capability of an Applicant to perform the contract.</p> <p>24.2 Only the qualifications of subcontractors that have been identified in the application may be considered in the evaluation of an Applicant. However, the general experience and financial resources of subcontractors may not be added to those of the Applicant for purposes of prequalification of the Applicant.</p> <p>24.3 Unless <b>otherwise indicated in the PDS</b>, this prequalification shall be for a single contract.</p> |
| <b>25. Employer’s Right to Accept or Reject Applications</b> | <p>25.1 The Employer 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 Applicants.</p>   |
| <b>26. Prequalification Of Applicants</b>                    | <p>26.1 All Applicants, whose applications have been determined to be substantially responsive to the requirements of the Prequalification Documents and who have met or exceeded (“passed”) the specified threshold criteria, shall be prequalified by the Employer.</p>  |
| <b>27. Notification of Prequalification</b>                  | <p>27.1 Once the Employer has completed the evaluation of the applications, it shall notify all Applicants in writing of the names of those Applicants who have been prequalified.</p>   |
| <b>28. Invitation for Tender</b>                             | <p>28.1 Promptly after the notification of the results of the prequalification, the Employer shall invite bids from all the Applicants that have been prequalified.</p> <p>28.2 Bidders may be required to provide a Bid Security acceptable to the Employer in the form and an amount to be specified in the Bidding Documents, and the successful Bidder shall be required to provide a Performance Security to be specified in the Bidding Documents.</p>   |
| <b>29. Changes in Qualifications of Applicants</b>           | <p>29.1 Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 26 and invited to bid shall be subject to a written approval of the Employer prior to the deadline for submission of bids. Any such changes shall be</p>  |

submitted to the Employer not later than fourteen (14) days after the date of the Invitation for Bids. Such approval shall be denied if as a consequence of the change;

- (a) the prequalified Applicant, after the change, no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria and Requirements; or
- (b) in the opinion of the Employer, a substantial reduction in competition may result.

## Section II. Prequalification Data Sheet

<b>A. General</b>	
<b>ITA 1.1</b>	The reference identification number of this Invitation for Prequalification is: Bid Notice No:CGM(T)/HGCL/1/10-11 Date: __-12-2010
<b>ITA 1.1</b>	The name of the Employer is: The HYDERABAD GROWTH CORRIDOR LIMITED (HGCL).
<b>ITA 2.1</b>	The name of the Borrower is: The HYDERABAD GROWTH CORRIDOR LIMITED (HGCL).
<b>ITA 2.1</b>	The number of the Loan Agreement is: ID-P 198 The amount of a Japanese ODA Loan is: 42,027 Million Japanese Yen The signed date of the Loan Agreement is: 21 <sup>st</sup> November 2008.
<b>ITA 2.1</b>	The name of the Project is: “Design, Supply, Installation, Commissioning, testing, Warranty and Maintenance for equipments of Highway Traffic Management System (HTMS) and Related Facilities for Outer Ring Road to Hyderabad City in the state of Andhra Pradesh, India.”
<b>ITA 4.1 (a)</b>	All partners in a joint venture or association shall be jointly and severally liable.
<b>B. Contents of the Prequalification Documents</b>	
<b>ITA 7.1</b>	For <b>clarification purposes</b> only, the Employer's address is:  Managing Director, Hyderabad Growth Corridor Limited, Ground Floor, HMDA Complex, Tarnaka, Secunderabad, 500 007, Andhra Pradesh, India.  Tel: +91-40-27002746 Fax: +91-40-27002745  E-mail: <a href="mailto:mdhgcl@gmail.com">mdhgcl@gmail.com</a> , <a href="mailto:cgmhgcl@gmail.com">cgmhgcl@gmail.com</a>
<b>C. Preparation of Applications</b>	
<b>ITA 10.1</b>	The language of the application as well as of all correspondence is: ENGLISH
<b>ITA 15.2</b>	In addition to the original, the number of copies to be submitted with the application is: 2 (TWO)

<b>D. Submission of Applications</b>	
<b>ITA 17.1</b>	<p>For <b>application submission purposes</b> only, the Employer's address is:</p> <p style="padding-left: 40px;">Managing Director, Hyderabad Growth Corridor Limited, Ground Floor, HMDA Complex, Tarnaka, Secunderabad, 500 007, Andhra Pradesh, India.</p> <p style="padding-left: 40px;">Tel: +91-40-27002746 Fax: +91-40-27002745 E-mail: <b>mdhgcl@gmail.com, cgmhgcl@gmail.com</b></p> <p><b>The deadline for application submission is:</b> Date: <i>4<sup>th</sup> February, 2011</i> Time: 1600Hrs.</p>
<b>E. Procedures for Evaluation of Applications</b>	
<b>ITA 23.2</b>	At this time the Employer does not intend to execute certain specific parts of the Works by subcontractors selected in advance (Nominated Subcontractors).
<b>F. Evaluation of Applications and Prequalification of Applicants</b>	
<b>ITA 24.3</b>	As stipulated in ITA 1.1, this prequalification exercise shall be for a single contract.

### Section III: Qualification Criteria and Requirements

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
<b>1. Eligibility</b>							
1.1	<b>Nationality</b>	Nationality in accordance with ITA Sub-Clause 4.2	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.2	<b>Conflict of Interest</b>	No conflicts of interest in ITA Sub-Clause 4.3	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N/A	Application Submission Form
1.3	<b>JICA Ineligibility</b>	Not having been declared ineligible by JICA, as described in ITA Sub-Clause 4.5	Must meet requirement	Existing JVA must meet requirement	Must meet requirement	N/A	Application Submission Form

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
<b>2. Historical Contract Non-Performance</b>							
2.1	<b>History of Non-Performing Contracts</b>	Non-performance of a contract did not occur within the last 2 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.	Must meet requirement by itself or as partner to past or existing JVA	N/A	Must meet requirement by itself or as partner to past or existing JVA	N/A	Form CON-2
2.2	<b>Pending Litigation</b>	All pending litigation shall in total not represent more than 60 % of the Applicant's net worth and shall be treated as resolved against the Applicant.	Must meet requirement by itself or as a partner to past or existing JVA	N/A	Must meet requirement by itself or as a partner to past or existing JVA	N/A	Form CON – 2

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
<b>3. Financial Situation</b>							
3.1	<b>Financial Performance</b>	Submission of audited financial statement or audited balance sheets acceptable to the Employer, for the last five (5) years to demonstrate the current soundness of the Applicant's financial position and its prospective long term profitability.  As the minimum requirement, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 3.1 with attachments
3.2	<b>Average Annual Turnover</b>	Minimum average annual turnover of US\$ 40 Million, calculated as total certified payments received for contracts in progress or completed, or sales of product and services within the last five (5) years,	Must meet requirement	Must meet requirement	Must meet 25 % of the requirement	Must meet 40 % of the requirement	Form FIN – 3.2

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
<b>4. Experience</b>							
4.1	<b>General Experience</b>	Experience under Transport and Traffic Management System Project <sup>1</sup> contracts in the role of prime contractor, joint venture partner or subcontractor for at least the last <b>Five (5)</b> years prior to the application submission deadline.	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	<b>Specific Experience</b>	Experience exclusively in the role of prime contractor, in at least one (1) contract within the last ten (10) years, that have been successfully and substantially completed and that are similar to the proposed Works. The similarity shall be based on the physical size, complexity, methods/technology or other characteristics as described in Section VI, Scope of Works. The same shall be evidenced by a signed certificate from the client or the	Must meet requirement	Must meet requirement	N/A	N/A	Form EXP – 4.2 (a)

<sup>1</sup> Transport and traffic management system refers such systems and projects in which road and traffic information is collected through various devices, processed at the center and provided to the road users through various medias such as variable message sign boards, broadcasting or Internet, or roadside devices is controlled for the safe and efficient operation of road traffic.

		owner of the system.					
4.2 (b)		For the above or other contracts executed during the period stipulated in 4.2 (a) above, a minimum experience, as prime contractor or partner in joint venture or subcontractor, in the following key activities:					
		System integration of traffic control centre system comprising information gathering, processing and dissemination functions and human machine interface through wall map display, and monitoring and control console.	Must meet requirement	N/A	N/A	Must meet requirements	Form EXP – 4.2 (b)
		Integration <sup>2</sup> of traffic surveillance system using minimum 100 vehicle detectors.	Must meet requirement	Must meet requirements	N/A	N/A	Form EXP – 4.2 (b)
		Integration of traffic surveillance system consisting of minimum 20 CCTV Cameras.	Must meet requirement	Must meet requirements	N/A	N/A	Form EXP – 4.2 (b)
		Integration of variable message sign system consisting of minimum 20 units of signboard and central control system.	Must meet requirement	Must meet requirements	N/A	N/A	Form EXP – 4.2 (b)
		Integration of emergency communication system using minimum	Must meet requirements (can	Must meet requirements (can	N/A	N/A	Form EXP – 4.2 (b)

<sup>2</sup> Integration here means a work to connect the number of field equipment to the central control system and to construct a system that performs intended functions, and not necessarily means the provision of field equipment.

	100 units of roadside emergency telephone/call box.	be a specialist subcontractor <sup>3</sup> )	be a specialist subcontractor)			
	Construction of optical fiber cable network with minimum total cable length of 150 Km.	Must meet requirements (can be a specialist subcontractor)	Must meet requirements (can be a specialist subcontractor)	N/A	N/A	Form EXP – 4.2 (b)

<sup>3</sup> If the requirements are to be satisfied by a specialist subcontractor, supporting document to act as subcontractor for this project from the subcontractor in the Form EXP 4.2(c) shall be attached.

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
<b>5. Personnel Capability</b>							
5.1	<b>Personal capability</b>	The Applicant shall have suitably qualified personnel to fill the following positions. In Form 5, the Applicant shall supply information on a prime candidate and an alternative candidate for each position; both people should meet the experience requirements specified below.					
		Project manager: Experience in electrical, electronics and IT industries (year): 20 In similar works (year): 5 As manager of similar works (year): 3	Must meet requirement	N/A	N/A	Must meet requirement	Form PER – 5.1a and PER 5.1b
		HTMS Chief Engineer: Experience as engineer in electrical, electronics and IT industries (year): 15 In similar works (year): 5 As chief engineer / manager of similar works (year): 2	Must meet requirement	N/A	N/A	Must meet requirement	Form PER – 5.1a and PER 5.1b

## Section IV. Application Forms

### Application Submission Form

Date: *[insert day, month, year]*

Reference ID No.: *[insert number, if any]*

To:

**Hyderabad Growth Corridor Limited,  
2nd Floor, HMDA Complex,  
Tarnaka, Secunderabad, 500 007,  
Andhra Pradesh, India.**

We, the undersigned, apply to be prequalified for the contract of referenced number and declare that:

- (a) We have examined and have no reservations to the Prequalification Documents, including Addendum(s) No(s)., issued in accordance with Instructions to Applicants (ITA) Clause 8: *[insert the number and issuing date of each addendum]*.
- (b) We, including any subcontractors or suppliers for any part of the contract resulting from this prequalification process, have nationalities from eligible countries of Japanese ODA Loans, in accordance with ITA Sub-Clause 4.2: *[insert the nationality of the Applicant, including that of all partners in case of a Joint Venture, and the nationality of each already identified subcontractor and supplier of related services, if applicable]*;
- (c) We, including any subcontractors or suppliers for any part of the contract resulting from this prequalification, do not have any conflict of interest, in accordance with ITA Sub-Clause 4.3;
- (d) We, including any subcontractors or suppliers for any part of the contract resulting from this prequalification, have not been declared ineligible by JICA, in accordance with ITA Sub-Clause 4.5;
- (e) We, in accordance with ITA Sub-Clause 23.1, plan to subcontract the following key activities and/or parts of the Works: *[insert any of the key activities identified in Section III- 4.2 (b) which the Applicant intends to subcontract]*
- (f) 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 bid for the contract subject of this prequalification, without incurring any liability to the Applicants, in accordance with ITA Clause 25.

*Signed [insert signature(s) of an authorized representative(s) of the Applicant]*

*Name [insert full name of person signing the application]*

In the capacity of *[insert capacity of person signing the application]*

Duly authorized to sign the application for and on behalf of:

Applicant's name *[insert full name of Applicant]*

Address *[insert street number/town or city/country address]*

Dated on *[insert day number] day of [insert month], [insert year]*

**Form ELI -1.1 - Applicant Information Form**

Date: [insert day, month, year]

Reference ID No.: [insert number, if any]

Page [insert page number] of [insert total number] pages

Applicant's legal name <i>[insert full legal name]</i>
In case of Joint Venture (JV), legal name of each partner: <i>[insert full legal name of each partner in JV]</i>
Applicant's actual or intended country of constitution: <i>[indicate country of Constitution]</i>
Applicant's actual or intended year of constitution: <i>[indicate year of Constitution]</i>
Applicant's legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
Applicant's authorized representative information Name: [insert full legal name] Address: [insert street/ number/ town or city/ country] Telephone/Fax numbers: [insert telephone/fax numbers, including country and city codes] E-mail address: [indicate E-mail address]
Attached are copies of original documents of <input type="checkbox"/> Articles of incorporation or documents of constitution, and documents of registration of the legal entity named above, in accordance with ITA 4.1 and 4.2. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.1.

## Form ELI -1.2 - Applicant Partner Information Form

*[The following form shall be filled in for the Applicant's partners including partner(s) of a joint venture, subcontractors, suppliers and other partners]*

Date: *[insert day, month, year]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

JV Applicant legal name: <i>[insert full legal name]</i>
Applicant Partner's legal name: <i>[insert full legal name of Applicant partners]</i>
Applicant Partner's country of registration: <i>[indicate country of registration]</i>
Applicant Partner's year of constitution: <i>[indicate year of constitution]</i>
Applicant Partner's legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
Applicant Partner's authorized representative information Name: <i>[insert full legal name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[indicate E-mail address]</i>
Attached are copies of original documents of <input type="checkbox"/> Articles of incorporation or documents of constitution, and registration documents of the legal entity named above, in accordance with ITA 4.1 and 4.2.

## Form CON – 2 - Historical Contract Non-Performance

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: [insert day, month, year]

Applicant's Legal Name: [insert full name]

Applicant's Party Legal Name: [insert full name]

Reference ID No.: [insert number, if any]

Page [insert page number] of [insert total number] pages

### 1. History of Non-Performing Contracts

Non-Performing Contracts			
<input type="checkbox"/> Contract non-performance did not occur during the [number] years specified in Section III, Qualification Criteria and Requirements Sub-Factor 2.1.			
<input type="checkbox"/> Contract(s) not performed during the [number] years specified in Section III, Qualification Criteria and Requirements, requirement 2.1			
Year	Outcome as Percentage of Net Worth	Contract Identification	Total Contract Amount (current value, US\$ equivalent)
[insert year]	[insert percentage]	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: [insert full name] Address of Employer: [insert street/city/country] Reason(s) for non performance: [indicate main reason(s)]	[insert amount]

**2. Pending Litigation**

<b>Pending Litigation</b>			
<input type="checkbox"/> No pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2.			
<input type="checkbox"/> Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2 as indicated below.			
<b>Year</b>	<b>Outcome as Percentage of Net Worth</b>	<b>Contract Identification</b>	<b>Total Contract Amount (current value, US\$ equivalent)</b>
[insert year]	[insert percentage]	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i>  Name of Employer: <i>[insert full name]</i>  Address of Employer: <i>[insert street/city/country]</i>  Matter in dispute: <i>[indicate main issues in dispute]</i>	[insert amount]

## Form FIN – 3.1 - Financial Situation

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: [insert day, month, year]

Applicant's Legal Name: [insert full name]

Applicant's Party Legal Name: [insert full name]

Reference ID No.: [insert number, if any]

Page [insert page number] of [insert total number] pages

### 1. Financial data

<b>Historic Information for Previous [insert number] years, [insert in words]</b> <b>(US\$ Equivalent)</b>				
Year 1	Year 2	Year 3	Year...	Year n

#### Information from Balance Sheet

Total Assets (TA)					
Total Liabilities (TL)					
Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					

#### Information from Income Statement

Total Revenue (TR)					
Profits Before Taxes (PBT)					
Profits After Taxes (PAT)					

**2. Financial documents**

The Applicant and its partners shall provide copies of the audited financial statement or audited balance sheet for the last 5 years pursuant to Section III, Qualifications Criteria and Requirements, Sub-factor 3.1. The financial statements shall:

- (a) reflect the financial situation of the Applicant or partner to a JV, and not sister or parent companies.
- (b) be audited by a certified accountant.
- (c) be complete, including all notes to the financial statements.
- (d) correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the 5 years, as indicated above, and complying with the requirements.

## Form FIN - 3.2 - Average Annual Turnover

*[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

Annual Turnover Data (Traffic And Transport Systems only)			
Year	Amount and Currency	Exchange Rate	US\$ Equivalent
<i>[indicate year]</i>	<i>[insert amount and indicate currency]</i>	<i>[insert applicable exchange rate]</i>	<i>[insert amount in US\$ equiv.]</i>
<b>Average Annual Turnover *</b>			

\* Average Annual Turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section III, Qualification Criteria and Requirements, Sub-Factor 3.2.

### Form EXP - 4.1 - General Experience

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: [insert day, month, year]

Applicant’s Legal Name: [insert full name]

Applicant’s Party Legal Name: [insert full name]

Reference ID No.: [insert number, if any]

Page [insert page number] of [insert total number] pages

[Identify contracts that demonstrate continuous work over the past [number] years pursuant to Section III, Qualification Criteria and Requirements, Sub-Factor 4.1. List contracts chronologically, according to their commencement (starting) dates.]

General Experience			
Starting Month / Year	Ending Month / Year	Contract Identification	Role of Applicant
[indicate month/year]	[indicate month/year]	Contract name: [insert full name] Brief description of the Works performed by the Applicant: [describe Works performed briefly] Name of Employer: [indicate full name] Address: [indicate street/number/town or city/country]	[insert "Contractor" or "Partner of Joint Venture" or "Subcontractor"]

## Form EXP - 4.2(a) - Specific Experience

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: [insert day, month, year]

Applicant's Legal Name: [insert full name]

Applicant's Party Legal Name: [insert full name]

Reference ID No.: [insert number, if any]

Page [insert page number] of [insert total number] pages

**Fill up one (1) form per contract.**

Contract of Similar Size and Nature	
Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information
Contract Identification	<i>[insert contract name and Reference ID number, if]</i>
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>
Role in Contract	<b>Prime Contractor Only</b>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>
If partner in a JV, specify participation in total contract amount	<i>[insert a percentage amount]</i> <i>[insert total contract amount in US\$]</i>
Employer's Name:	<i>[insert full name]</i>
Address:	<i>[indicate street / number / town or city / country]</i>
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>
E-mail:	<i>[insert E-mail address, if available]</i>

### Form EXP - 4.2(a) - Specific Experience (cont.)

#### PART - B

Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	<i>[insert amount in US\$]</i>
2. Physical Size	<i>[Length of the road, no. of Interchanges, etc.]</i>
3. System Size	<i>[Capacity of the System in terms of no of user(vehicles)being served per day]</i>
4. Complexity	<i>[no of equipments for each type of for information collection and distribution]</i>
5. Communication Methods/Technology	<i>[insert specific aspects of the methods/ technology Used for Communication System]</i>
6. Other Characteristics	<i>[insert other characteristics as described in Section VI, Scope of Works]</i>

## Form EXP - 4.2(b) - Specific Experience in Key Activities

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

Subcontractor's Legal Name (as per ITA 23.1) *[insert full name]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

### Fill up one (1) form per Key Activity.

- Key Activity No. (1) System integration of traffic control centre system comprising information gathering, processing and dissemination functions and human machine interface through wall map display, and monitoring and control console.: *[Insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	Partner of a Joint Venture <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

2. Key Activity No. (2) Traffic Surveillance system using vehicle detectors sensors: *[Insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	Partner of a Joint Venture <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

3. Key Activity No. (3) Traffic Surveillance system using vehicle detectors CCTV Cameras: *[Insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	Partner of a Joint Venture <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

4. Key Activity No. (4) Experience of implementation of roadside emergency communication system:  
*[Insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	Partner of a Joint Venture <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

5. Key Activity No. (5) Experience of implementation of variable message sign system: *[Insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	Partner of a Joint Venture <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

6. Key Activity No. (6) Experience of optical fiber cable network: *[Insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	Partner of a Joint Venture <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

**Form EXP - 4.2(c) – Technical Support From Subcontractor**

From

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To

**Managing Director**Hyderabad Growth Corridor Limited  
2nd Floor Huda Complex, Tarnaka  
Hyderabad

Subject:

Design, Supply, Installation, Commissioning, testing, Warranty and Maintenance for equipments of Highway Traffic Management System (HTMS) and Related Facilities for Outer Ring Road to Hyderabad City in the state of Andhra Pradesh, India being taken up with the loan of assistance of Japan International Cooperation Agency under Phase-2 program.

Dear sir/Madam,

We, M/s \_\_\_\_\_, hereby confirm that we are a manufacture/supplier of *[name of product, system or service]*. We further certify that, if the tender is accepted and the contractor is awarded, we will provide the technical support by supplying product, system or service for the project including the defect liability and maintenance as set forth in the contract.

**Yours Sincerely,**

Authorized Signatory Details

Company Info

Seal:

## Form PER - 5.1a – Candidate Summary

*[The following table shall be filled in for prime and alternate candidates for the positions specified.]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

*For specific positions essential to contract implementation, applicants should provide the names of at least two candidates qualified to meet the specified requirements stated for each position. The data on their experience should be supplied in separate sheets using Form PER - 5.1b for each candidate using separate sheets.*

1.	Project Manager
	Name of prime candidate
	Name of alternate candidate
2.	HTMS Chief Engineer
	Name of prime candidate
	Name of alternate candidate

### Form PER - 5.1b – Curriculum Vitae

*[The following table shall be filled in for prime and alternate candidates for the positions specified.]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

Position		Candidate <input type="checkbox"/> Prime <input type="checkbox"/> Alternate	
Candidate information	1. Name of candidate		2. Date of birth
	3. Professional qualifications		
Present employment	4. Name of employer		
	Address of employer		
	Telephone	Contact (manager/personnel officer)	
	Fax	Email address	
	Job title of candidate	Years with present employer	

*[Summarize professional experience over the last 20 year or 15 years as appropriates, in reverse chronological order. Indicate particular technical and managerial experience relevant to the Project.]*

From	To	Company/Project/Position/Relevant technical and management experience

## **Section V. List of Eligible Countries of Japanese ODA Loans**

The eligible source countries for procurement of all goods and services to be financed out of the proceeds of the JICA ODA Loan are all countries and areas.

## PART 2 – Works Requirements

### Section VI. Scope of Works

#### 1. Description of the Works

##### 1.1 General

The work includes design, manufacture, supply, installation, commissioning, documentation, training and maintenance of Highway Traffic Management System (HTMS) and related facilities to be installed on the Hyderabad Outer Ring Road.

##### 1.2 Component of Highway Traffic Management System

The Highway Traffic Management System is a system that monitors road and traffic conditions and provides the various road and traffic information to the road users for safe, efficient and comfortable trip. The HTMS for ORR will consist of the information gathering, information processing and information dissemination subsystems and comprise the following components and equipment:

- (a) Vehicle detector system
- (b) Video surveillance system
- (c) Emergency call management system
- (d) Meteorological measurement system
- (e) Variable message sign system
- (f) Traffic Control Centre system
- (g) Data communication system along ORR using optical fibre cable
- (h) Power conditioning equipment at Traffic Control Centre.
- (i) Weigh in Motion.

A Traffic Control Centre will be established at Nanakramguda interchange, where Traffic Control Centre system will be installed and all field equipment is managed from the Centre. Road, traffic and weather condition of the ORR will be monitored at the Control Centre and information will be provided to the road users when necessary.

Field equipment will be installed along the ORR for data gathering and information dissemination. The Tentative requirement of type and number of field equipment contemplated at the moment is summarized below.

No	Description	Unit	Total
1	Vehicle detector	set	38
2	CCTV camera	Set	41
3	Emergency call box	Set	330
4	Meteorological measurement system	set	1
5	Variable message sign	set	22
6	Optical fiber cable	km	300
7	Other traffic related equipment like speed guns etc.		

### 1.3 Scope of Work

The scope of work includes the following:

- (a) Supply of the equipment, system and software
- (b) Installation of equipment and software
- (c) Optical fiber cable installation along both sides of the ORR
- (d) Testing and adjustment
- (e) Documentations
- (f) Training of the Employer's staff and operator
- (g) Warranty & Maintenance of the system

Construction of Traffic Control Centre building, and supply and installation of air-conditioning system, power receiving facility, and generator for the building are provided under a separate contract and not included in this contract. In addition, conduit for optical fiber cable installation is provided by the civil works contractor and not included in the contract.

## 2. Construction Period

It is expected that the project will take 16 months from the commencement to the completion.

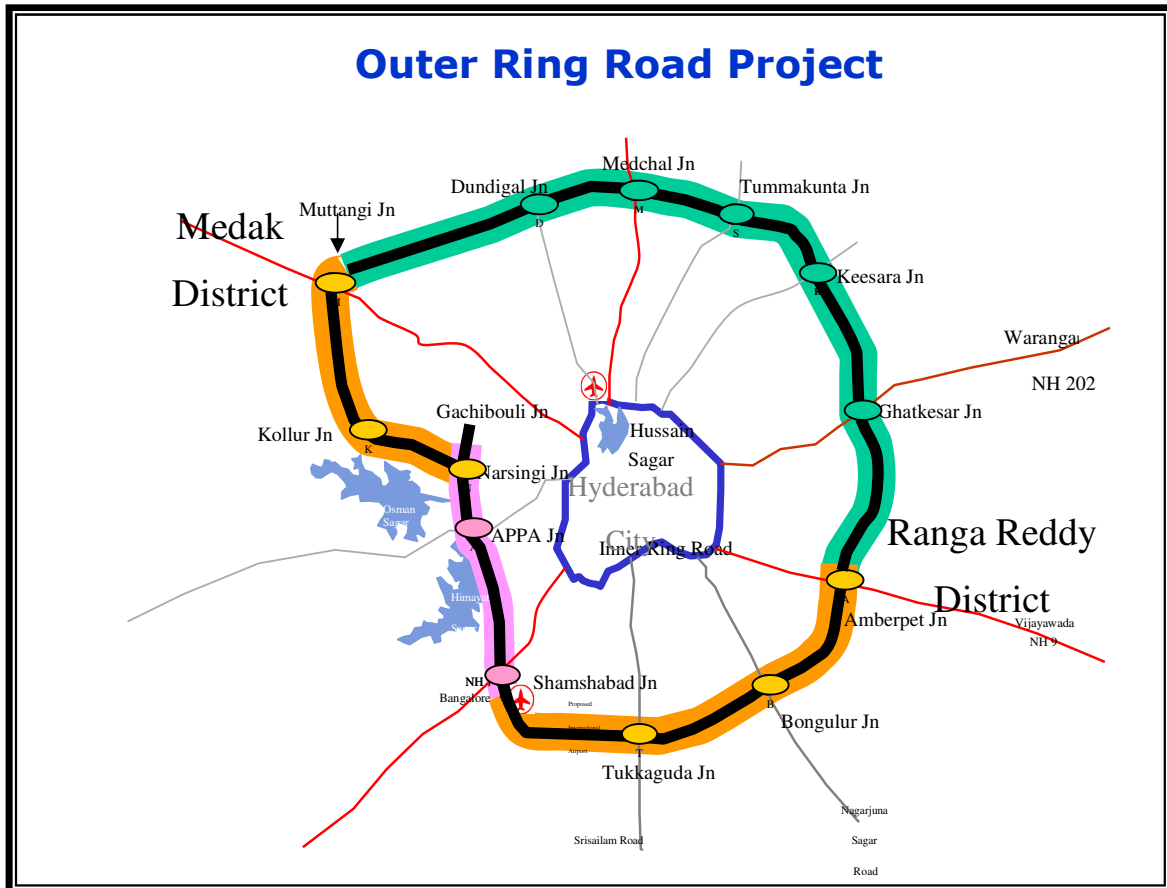
## 3. Site and Other Data

The Hyderabad Outer Ring Road having total length of 152.5 km is an 8-lane divided expressway with full access control. It is a circumferential road surrounding outskirts of Hyderabad. It is being constructed to divert the traffic passing through the city to ease the congestion at the city centre. At the same time, it is intended to promote the development of the corridor along the ORR. The ORR is a toll road with a total of 19 interchanges as listed below. The general layout of the ORR, location of interchanges and location of Traffic Control Centre are indicated in the map below.

No.	Interchange	Kilo post
1.	Kokapet	
2.	Idulnagalapalli	
3.	Patancheru	
4.	Sultanpur	
5.	Saragudem	
6.	Medchal	
7.	Shamirpet	
8.	Keesara	
9.	Ghatkesar	
10.	Taramatipet	
11.	Pedda Amberpet	

12.	Bongulur	
13.	Ravirayal	
14.	Tukkuguda	
15.	Pedda Golconda	
16.	Shamshabad	
17.	Rajandranagar-1	
18.	APPA	
19.	Nanakramguda	

**Map of ORR**



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