

Empanelment of ITS Consultants at IHMCL

REQUEST FOR PROPOSAL (RFP)

RFP No – IHMCL/TMS-SAT/ 2017

**Indian Highways Management Company Limited
2nd Floor, MTNL Building, Sector-19, Dwarka, New Delhi-110075**

June, 2017

Disclaimer

The information contained in this RFP document (the “**RFP Document**”) for “Empanelment of ITS Consultants at IHMCL” or subsequently provided to Applicant(s), whether verbally or in documentary or any other form by or on behalf of IHMCL or any of its employees or advisors, is provided to Applicant(s) on the terms and conditions set out in this RFP Document and such other terms and conditions subject to which such information is provided.

This RFP Document is not an agreement and is neither an offer nor invitation by IHMCL to the prospective Applicants or any other person. The purpose of this RFP Document is to provide interested parties/Applicants with information that may be useful to them in submitting their applications pursuant to this RFP Document (**‘Applications’**). This RFP Document includes statements, which reflect various assumptions and assessments arrived at by IHMCL in relation to the Project. Such assumptions, assessments, and statements do not purport to contain all the information that each Applicant may require. This RFP Document may not be appropriate for all persons, and it is not possible for IHMCL, its employees or advisors to consider the investment objectives, financial situation, and particular needs of each party who reads or uses this RFP Document. The assumptions, assessments, statements and information contained in this RFP Document, may not be complete, accurate, adequate or correct. Each Applicant should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability, and completeness of the assumptions, assessments, statements, and information contained in this RFP Document and obtain independent advice from appropriate sources.

Information provided in this RFP Document to the Applicant(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. IHMCL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

IHMCL, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant(s) under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP Document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP Document and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP Document or arising in any way for submission of Application for empanelment.

IHMCL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever, caused arising from reliance of any Applicant upon the statements contained in this RFP Document. IHMCL may in its absolute discretion, but without being under any obligation to do so, update, amend, or supplement the information, assessment or assumptions contained in this RFP Document.

The issue of this RFP Document does not imply that IHMCL is bound to select an Applicant or to appoint the Successful Applicant for the Project and IHMCL reserves the right to reject all or any of the Applicants or Applications without assigning any reason whatsoever.

The Applicant shall bear all their costs associated with or relating to the preparation and submission of their Application including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations, interviews or presentations which may be required by IHMCL or any other costs incurred in connection with or relating to Application. All such costs and expenses will remain with the Applicant and IHMCL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Applicant in preparation or submission of the Application, regardless of the conduct or outcome of the empanelment process.

ACRONYMS AND ABBREVIATIONS

ATMS	Advanced Traffic Management System
ETC	Electronic Toll Collection
HES	Hybrid ETC System
ITS	Intelligent Transportation System
MoRTH	Ministry of Road Transport and Highways
NHAI	National Highways Authority of India
RFP	Request for Proposal
TMS	Toll Management System
WIM	Weigh-in-Motion System

Contents

1. Schedule of Important Events / Activities	5
2. Background.....	6
3. Description of Application Process.....	6
3.1. Shortlisting Stage	6
3.2. Personal Interaction Stage	6
4. Objectives.....	7
5. Scope of Work	7
6. Category of ITS Consultants.....	7
6.1. Category-I.....	7
6.2. Category-II.....	8
6.3. Category-III.....	8
7. Remuneration.....	8
8. Instructions to the Applicants	8
<u>8.1. Right to accept and reject any or all the Application(s).....</u>	<u>12</u>
8.2. Blacklisting Consultant	9
9. Preparation and Submission of Application	9
9.1. Language	9
9.2. Clarifications on Application	9
9.3. Submission of Application.....	10
10. Disclaimer to Assign the Work	10
11. Miscellaneous.....	10
12. Annexure	12
<u>Form T-1, Form T-2 and Evaluation Criteria.....</u>	<u>15-24</u>

1. Schedule of Important Events / Activities

Sl. No.	EVENT(S)	DATE (Unless otherwise notified separately)
1.	Issue of RFP Document	20.06.2017
2.	Opening Date for submitting Applications	11.07.2017
3.	Last date/time for submission of Application (i.e. <i>due date</i>)	Before 14:30 Hrs. On 04.07.2017

Note:

- 1) Applications submitted after the last date/time shall be summarily rejected.
- 2) The IHMCL reserves the right to accept or reject any or all Applications without assigning any reason and also without incurring any financial or other liability to the affected Applicants(s).

2. Background

The Indian Highways Management Company Ltd. (IHMCL) is a company incorporated under the provisions of Companies Act, 1956 with equity participation from NHAI, its Concessionaires and Financial Institutions. IHMCL has been mandated to implement National Electronic Toll Collection (NETC) System, Toll Management System (TMS), Weigh in Motion (WIM) System, Static Weigh Bridge (SWB) system, CCTV Surveillance system and state-of-the-art Hybrid ETC System (HES) at toll plazas on National Highways and Expressways of NHAI.

IHMCL intends to empanel individual professionals who are not in full time employment, working in relevant field as Consultants to create a panel of Consultants for providing professional and expert services, wherever required by IHMCL on man-days basis.

The works shall be related to feasibility study at site(s), assisting IHMCL in designing, preparing/ formulating the projects, technical evaluation, reviewing system design documents, system architecture etc., conducting proof of concept testing, factory acceptance testing, site acceptance testing, monitoring supply, installation and commissioning works at site(s), conducting site surveys and audits during operation and maintenance period to ascertain adherence to the terms and conditions as well as compliance to the conditions of the service level agreement conditions.

The interested Applicants who wish to get empanelled with IHMCL are invited to submit their Applications for empanelment as prescribed hereunder.

3. Description of Application Process

IHMCL shall adopt a two-stage process for selection of Applicants for empanelment.

3.1. Shortlisting Stage

The Applicants will be shortlisted based on the marks scored by them during the evaluation of their Applications submitted by them in the prescribed format. The evaluation of Application shall be as per the criteria prescribed in Clause 12 of this RFP Document.

3.2. Personal Interaction Stage

The interaction stage is aimed at personal interaction and verification of original documents/ credentials claimed by the Applicant and deciding the suitability of the shortlisted Applicant. During this stage, the Applicants would be required to appear for personal interaction with the evaluation committee. The Applicants selected by the committee shall be empanelled by IHMCL subject to the issuance of the Letter of Award (“LOA”) and duly acceptance given by the shortlisted Applicant as per Clause 11 mentioned below. IHMCL intends to announce a list of empanelled Applicants under Category-I, Category-II, and Category-III which will be updated on yearly basis and hosted on the website of IHMCL.

3.3 Any queries or requests for additional information concerning the RFP shall be submitted in writing by e-mail address given below. The e-mail communication shall clearly superscribed with the following title:

**“Empanelment of ITS Consultants at IHMCL”
“Queries/Request for Additional Information”**

Address for correspondence:

Manager - Projects
Indian Highways Management Co. Ltd
2nd Floor, MTNL Building
Sector-19, Dwarka, New Delhi -110 075

4. Objectives

The consulting services shall be provided by individual professionals who are not in full time employment of any organization (hereinafter referred to as "**ITS Consultant**") in compliance with the RFP Document and the LOA. The objective of the consulting services is to achieve the efficient and proper preparation, implementation and monitoring of the Projects by providing assistance to IHMCL in:

- i) Scrutinising and advising on critical technological issues and plans.
- ii) Feasibility Study at site(s)
- iii) Project Formulation
- iv) Detail Design Review
- v) Implementation Supervision on site
- vi) Conducting relevant Tests at factory and Site level
- vii) Conducting site surveys and audits during operation and maintenance period to ascertain adherence to the applicable terms and conditions as well as compliance to service level agreement conditions by the service providers,
- viii) IHMCL reserves the right to change the scope of work as required by it.

5. Scope of Work

IHMCL desires to empanel qualified Applicants for undertaking, the scope of work assigned to each empanelled consultant which may include all or any of the following task(s):

In addition to the objectives mentioned in Clause 4 above, the consultancy services will broadly include advice of experts on critical technical issues, feasibility study, system design, project formulation, project supervision, monitoring, quality control, contract management, making engineering decisions, acceptance testing, providing advisory services to IHMCL for administering successful and timely completion of the concerned Project(s).

The maximum man-days per month per ITS Consultant shall be as mentioned below:

Category-I: not exceed 04 days in a month

Category-II: not exceed 08 days in a month

Category-III: not exceed 12 days in a month

In case the man-days exceeds above mentioned limit in any month, the ITS Consultant shall only be paid for maximum of the ceiling limit as stated in Clause 7.1 below,

6. Category of ITS Consultants

The ITS Consultants shall be divided into three categories based on the total work experience and total years of relevant experience.

6.1. Category-I

Senior Consultant-ITS:

Senior professionals with total work experience of above 25 years, with minimum 15 years of experience in the relevant field shall be categorised in Category-I.

6.2. Category-II

Consultant-ITS:

Individual professionals with total work experience of 10 to 25years, with minimum relevant experience of 7 years and currently, working as Consultant in the relevant field for at least three (3) years shall be categorised in Category-II.

6.3. Category-III

Associate Consultant-ITS:

Individual professionals with total work experience of minimum 04 years and less than10 years, with minimum relevant experience of 3 years shall be categorised in Category III.

7. Remuneration

7.1	Category-I:	INR20,000 per day
	Category-II:	INR 10,000 per day
	Category-III:	INR3,000 per day

Note: The above will be subjected to per month sealing limit of INR80,000/- for Category-I, INR80,000/- for Category-II and INR36,000/- for Category-III.

7.2 In addition to above, travel expenses will be paid as per actual on submission of the proof as follows:

- Air travel by economy class, train/bus travel in AC-II class or equivalent.
- Travel by road to be paid @ Rs. 12/Km.
- Service tax at the prevailing rate to be paid extra on the above as relevant.

7.3 In addition to above, boarding, lodging charges excluding local travel (airport to hotel) shall be paid as per actual on submission of the bills/invoices to Category-I, for Category-II and Category-III not exceeding INR 3,000/- per day while working on the IHMCL assignment. Local travel shall be paid as per actual on submission of bills/invoice but not more than INR 3,000/- per day.

Note: Kindly note that 7.2 and 7.3 shall not be applicable for travel within place of residence of the ITS Consultant. In case the ITS Consultant resides in any part of National Capital Region (NCR), 7.2 and 7.3 shall be applicable for him/her for travel to site location only and not for the travel to IHMCL office.

7.4 All the payments will be made in Indian National Rupees. Service Tax shall be released separately, only after submission of proof of payment of service tax by the ITS Consultant. Mandatory taxes / duties etc. as applicable will be deducted by IHMCL.

Each assignment shall be communicated by IHMCL through letter/ email mentioning the required timeline to complete the work.

ITS Consultant shall be required to submit the “Daily Work Done Summary Sheet” along with the monthly invoice for processing of payment.

8. Instructions to the Applicants

The interested individual professionals should submit their CV(s) in the prescribed format and send to the address given in Clause 3.3. The Applicants scoring the qualifying marks (minimum 75%) shall be invited for the second stage of evaluation to be conducted at

IHMCLHQ by the evaluation committee. The shortlisted Applicants who will clear the second round shall be eligible for empanelment with IHMCL.

8.1. Right to accept and reject any or all the Application(s)

Notwithstanding anything contained in this RFP Document, IHMCL reserves the right to accept or reject any Application and to annul the qualification process and reject all the Applications, at any time/at any stage, without any liability or any obligation for such acceptance, rejection or annulment, without assigning any reason.

Authority reserves the right to reject any Application if:

- At any time, it is found that a material misrepresentation is made by the Applicant, or
- The Applicant does not respond promptly and satisfactorily to the requests for supplementary information required for the evaluation of the Application.

The misrepresentation/ improper response mentioned in Clause above may lead to the disqualification of the Applicant. If the Applicant is a full-time employee of a company/firm, then the application shall be disqualified/ rejected.

8.2. Blacklisting Consultant

IHMCL may blacklist a ITS Consultant for his/her conduct up to a period of three years on the following grounds and seriousness of the act committed by the ITS Consultant:

- a) If ITS Consultant has committed or engaged in corrupt or fraudulent practice.
- b) If the ITS Consultant fails to sign and accept LOA pursuant to Clause 11 mentioned below.
- c) If substantial defects have been noticed in the works of the ITS Consultant in the implementation of the LOA or has not substantially fulfilled his/her obligations under the LOA and this RFP Document.
- d) If the LOA signed by the ITS Consultant was based on false or misrepresentation of consultant's qualification information.

9. Preparation and Submission of Application

9.1. Language

All information in the Application must be in English language. Information in any other language, if not accompanied by an authenticated translation in English, shall not be considered.

9.2. Clarifications on Application

Applicants requiring any clarification on the Application may notify IHMCL in writing by e-mail in accordance with the above clauses.

IHMCL may respond to the questions raised or clarifications sought by the Applicants. However, IHMCL reserves the right not to respond to any question or provide any clarification, in its sole discretion, and nothing in this Clause shall be taken or read as compelling or requiring IHMCL to respond to any question or to provide any clarification.

IHMCL may also on its own motion, if deemed necessary, issue interpretations and clarifications to all Applicants. All clarifications and interpretations issued by IHMCL shall be deemed to be

part of the Application. Verbal clarifications and information given by IHMCL or its employees or representatives shall not in any way or manner be binding on IHMCL.

No clarifications or communications shall be permitted after the due date/time for submission of Applications.

9.3. Submission of Application

Interested individual professionals may submit their application against this RFP comprising of following documents:

- a) Application covering letter (Form-T1) as mentioned herein below in Clause 12.
- b) CV of Applicant (Form - T2) as mentioned herein below in Clause 12.

10. Disclaimer to Assign the Work

1. IHMCL is not bound to assign, defined number of man-days to the empanelled ITS Consultant(s).
2. The empanelled ITS Consultants shall not seek any permanent / temporary employment with IHMCL, on the basis of the Application, empanelment or assignment of task.
3. ITS Consultants cannot claim for any minimum amount to be paid in case no work has been assigned to them during the empanelment period.
4. ITS Consultant shall not claim for any holiday which falling during the period of assignment assigned to him/ her, on which she/he did not perform any work assigned by the IHMCL. ITS Consultant shall only eligible for remuneration for the days on which work is performed by the ITS Consultant.
5. IHMCL reserves the right to assign the tasks to any ITS Consultant based on the performance and his/her familiarity with the assigned task. There shall be no equal distribution of the work.
6. There shall be no limitation on the number of ITS Consultants empanelled by IHMCL.
7. IHMCL reserves the right to terminate the services / empanelment of any or all of the ITS Consultant(s) at any point of time without giving any clarification or notice to the ITS Consultant(s). In such situations, IHMCL shall have no liability of any nature whatsoever.
8. The Applicant(s) should not have a conflict of interest with the IHMCL, and the Applicant(s) should furnish an undertaking to this effect.
9. All Intellectual Property Rights in and to any software, documentation, system design, project formulation, drawings, data, information, report, database or product created or produced by the ITS Consultant in performing the Services during empanelment with IHMCL, shall be the sole property of IHMCL. The ITS Consultant shall agree to assign to IHMCL, absolutely its whole right, title and interest, present and future in and to such Intellectual Property Rights free from all liens, charges and encumbrances. The ITS Consultant will provide IHMCL with all information which IHMCL may reasonably request for the purpose of allowing IHMCL to fully exercise its proprietary rights in any jurisdiction.

11. Miscellaneous

1. After the eligible Applicant(s) are shortlisted by IHMCL, IHMCL will issue a LOA to the shortlisted Applicant(s). Subsequently, the Applicant(s) shall duly accept the LOA within [], which shall contain all the terms and conditions of the empanelment as ITS Consultant with IHMCL. If the eligible Applicant(s) fails to duly accept the LOA within the

above stated time period, then in addition to the other rights available to IHMCL under this RFP Document, the LOA shall stand terminated automatically.

2. ITS Consultant shall be under a continued obligation to keep IHMCL informed about any development which may affect terms and conditions of the empanelment.
3. IHMCL reserves the right to terminate the empanelment in the following situations:
 - a) Non Submission of the required documents/information by ITS Consultant.
 - b) If the ITS Consultant is performing dissatisfactory work which is not as per the LOA.
 - c) The ITS Consultant fails to carry out any obligation under the LOA and/or RFP Document.
 - d) If the ITS Consultant, in the judgement of the IHMCL, has engaged in the corrupt or fraudulent practice in competing for or in executing the Contract.
 - e) Any other fundamental breaches as specified in the RFP Document.

12. Annexure

Application covering letter (**Form-T1**)

(To be submitted on Plain Paper by the Applicant)

To

Manager - Projects
Indian Highways Management Co. Ltd
2nd Floor, MTNL Building,
Sector-19, Dwarka,
New Delhi -110 075

Sub.: Application for Empanelment of ITS Consultants at IHMCL

Dear Sir,

1. I, the undersigned, have carefully examined the contents of the above referred Application and undertake to fully comply and abide by the terms and conditions specified therein and here by, submit my application for the aforesaid service.
2. I undertake that in competing for (and, if the award is made to me), for accepting the LOA, I will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act, 1988".
3. I understand that:
 - (a) This Application, if found incomplete in any respect and/or if found with conditional compliance or not accompanied with the requisite and prescribed documents, shall be summarily rejected.
 - (b) If at any time, any averments made or information furnished as part of this Application is found in correct, then the Application will be rejected.
 - (c) IHMCL is not bound to accept any/all Application it will receive.
4. I declare that:
 - (a) I have not been *declared ineligible* by IHMCL or NHAI or Ministry of Road Transport & Highways, Government of India or any other agency for indulging in corrupt or fraudulent practices. I also confirm that I have not been *declared as non-performing or debarred* by IHMCL or NHAI or Ministry of Road Transport & Highways, Government of India.
 - (b) I *haven't been blacklisted* by a Central / State Government Institution / Public Sector Undertaking / Autonomous Body and there has been *no litigation* with any Government Department / PSU / Autonomous Body on account of similar services.
 - (c) I have *not* directly or indirectly or through an agent *engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice*, as defined in the **Contract Agreement**, in respect of any tender or request for proposal issued by or any Contract entered into with IHMCL or any other public sector enterprise or any government, Central or State.
5. I certify that:
 - (a) I have not been convicted by any Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on my ability to undertake the subject work or which relates to a grave offence that outrages the moral sense of the community.

- (b) I am not the subject of criminal or civil proceedings that could be expected to adversely affect my ability to participate in the present RFP.
- (c) No investigation by a regulatory authority is pending either against me.
- (d) The information provided in this application (including the attachments) is true, accurate and complete to the best of my knowledge and belief. Nothing has been omitted which renders such information misleading; and all documents accompanying my application are true copies of their respective originals. I shall be liable for disqualification or termination of LOA at any stage, if any information/declaration is found to be incorrect or false. I will intimate IHMCL promptly in case of any change in the information submitted as part of this application.
- (e) I am submitting this application after carefully reading all the terms and conditions contained in the RFP Document and its addendum/ amendment, if any, and undertake to abide by the same. It is also certified that the Application is being submitted in the prescribed formats without any addition / deviation / alteration and my application is unconditional.

6. I undertake that:

- (a) During the subsistence of the tenure as Consultant ITS of IHMCL, I shall not induce or attempt to induce any employee/Consultant of the IHMCL to terminate his/her employment with, or otherwise cease his/her relationship with IHMCL.
- (b) Further qualifying information may be requested by IHMCL and I agree to furnish any such information at the request of the IHMCL

I remain,

Yours sincerely,

Name

Date

Form T-2: Format of Curriculum Vitae (CV)

Passport size
recent color
photograph of
the candidate

- 1. Proposed Position** :
- 2. Name of the Applicant** (in Block letters) :
- 3. Father's/Husband's Name** :
- 4. (a) Date of Birth** in Christian era :
- (in dd/mm/yyyy format)
- (Please furnish proof of age)
- (b) Age as on due date** :..... Yrs, ... Months &, Days
- (C) PAN** :
- 5. Permanent Address** :
-
-
- 6. Address for Correspondence** :
-
-
- 7. E-mail address, Phone Numbers** : Email
- Mobile:

8. Details of Educational Qualifications from Matriculation onwards
(Please furnish proof of qualifications)

Sl. No.	(1)	(2)	(3)	(4)	(5)
Examination passed	Year of passing	Name of College / Institute	University / Board	Main subjects	Percentage of marks obtained

- 9. Experience**
- Total Experience : Yrs, Months &, Days
- Relevant Experience : Yrs, Months &, Days

10. Details of experience of each employment/association (in chronological order):

In case of change in posting held within the same employer, please fill in details separately.

1	Name and Address of the organization	Position held	Period of tenure		Responsibilities / Job Profile
			From DD/MM/YYYY	To DD/MM/YYYY	
	Technical details of project experience				

2	Name and Address of the organization	Position held	Period of tenure		Responsibilities / Job Profile
			From DD/MM/YYYY	To DD/MM/YYYY	
	Detailed description of project experience				

3	Name and Address of the organization	Position held	Period of tenure		Responsibilities / Job Profile
			From DD/MM/YYYY	To DD/MM/YYYY	
	Detailed description of project experience				

4	Name and Address of the organization	Position held	Period of tenure		Responsibilities / Job Profile
			From DD/MM/YYYY	To DD/MM/YYYY	
	Detailed description of project experience				

Note: In case of more than 4 employments, the relevant details in prescribed format be added.

Certification by Applicant:

- i) I am willing to work with IHMCL. I will not engage myself, in any other assignment during the currency of the assignment accepted by me and I at all times will be available for required duration of that project assignment.
- ii) I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualification and experience. In case IHMCL finds anything contrary to above, IHMCL would be at liberty to remove me from the assignment and debar me for an appropriate period to be decided by IHMCL.
- iii) I have not left any assignment with the consultants engaged by IHMCL/ contracting firm/NHAI/MoRTH for any continuing works of IHMCL, without completing my assignment. I will be available for the required duration and if I leave the accepted assignment in the middle of the work, I may be debarred for an appropriate period to be decided by IHMCL. I have also no objection if my services are extended by IHMCL for this work in future.

Signature of the Applicant

Place:

Date:

Note:

Each page of the CV shall be signed in ink by the Applicant. Photocopies will not be considered.

Evaluation Criteria for assessment of score of Consultant for adequacy of the Assignment

Category -I: Senior Consultant-ITS

NOTE: Applicants with total work experience of above 25 years may only apply for Category-I. Any applicant falling short of the required work experience shall be rejected and shall also not be evaluated for Category-II and Category III

S. No.	Description	Max. Points	Reference/Details of projects claimed for self assessment	Marks self assessed by the Applicant
1	General Qualification	25		
	D) Graduate in Electrical/Electronics/Computer Science/IT/Telecommunication Engineering/ Science or equivalent	07		
	II) Post Graduation/MBA/PG Diploma in Transportation/ Electrical/Electronics/Computer Science/IT/Telecommunication or equivalent	05		
	III) PhD	05		
	IV) Degree/Diploma/Certificate in Project Management or studied as a subject in Post-Graduation	03		
	V) Membership of relevant Professional Society	05		
2	Adequacy for the Project	75		
a)	Professional Experience:			
i)	Total Professional Experience < 25 years → 0 marks 25 years → 7 marks Add 1 marks extra for each additional year of experience subject to maximum 3 (three) marks.	10		
ii)	Experience as HOD / Team Leader or similar capacity <5 years → 0 marks 5 years → 10 marks Add 1 marks extra for each additional year of experience subject to maximum 4 (four) marks.	15		
iii)	Experience as HOD/ Team leader or similar capacity in relevant Projects 1 projects → 3 marks add 1 mark extra for additional projects subject to maximum 2 (two) marks	5		
b)	Experience as HOD/ Team leader or similar capacity of Research and development / Project formulation including design of relevant project. < 2 project → 0 marks	15		

	2 Projects →10 marks Add 1 mark for each additional project subject to maximum 3 (three) marks.			
c)	Experience in position of HOD/ Team Leader or similar capacity in Monitoring / Supervision/IC relevant project 1 Projects → 10 marks Add 1 mark extra for each additional project subject to maximum 2 (two) marks	20		
d)	Experience as HOD / Team Leader or similar capacity in Operation and Maintenance of relevant project. 1 project →5 marks Add 1 marks extra for each additional project subject to maximum 2 (two) marks	10		
	Total:	100		

Category -II: Consultant-ITS

NOTE: Applicants with total work experience of 10 to 25 years may only apply for Category-II. Any applicant falling short of the required work experience shall be rejected and shall also not be evaluated for Category-III.

S. No.	Description	Max. Points	Reference/ Details of projects claimed for self assessment	Marks self assessed by the Applicant
1	General Qualification	25		
	I) Graduate in Electrical/Electronics/Computer Science/IT/Telecommunication Engineering	10		
	II) Post Graduation/MBA/PG Diploma in Transportation/ Electrical/Electronics/Computer Science/IT/Telecommunication or equivalent	05		
	III) Degree/Diploma/Certificate in Project Management or studied as a subject in Post-Graduation	03		
	IV) Membership of relevant Professional Society	05		
	V) Any additional qualification	02		
2	Adequacy for the Project	75		
	Professional Experience:			
i)	Total Professional Experience: <10 years →0 marks 10 years →5 marks Add one marks extra for each additional completed year of experience subject to maximum 15 (fifteen) marks.	20		
ii)	Experience as Resident Engineer/Project Manager/Executive Engineer or equivalent on construction works/Project Management Consultant Projects in similar configuration in handling or executing of ITS works for Highway/Expressway Projects. <3 years →0 marks 3 years →10 marks Add 1 marks extra for each additional year of experience subject to maximum 5 (five) marks.	15		
ii)	Experience in similar capacity in handling/ Execution of ITS Projects (Highway/Expressway projects of length of 40 km or more of similar configuration) 1 project →5 marks Add 1 mark extra for each additional project subject to maximum 5 (five) marks.	10		
iii)	Experience in similar capacity as Key member in Supervision of ITS works for major highway/Expressway Project of 40 km or more of similar configuration. 2.5 marks for each project subject to maximum 10 (ten) marks	10		

iv)	Experience in similar capacity as Key member in Planning and designing of ITS works for major highway/Expressway Project of 40 km or more of similar configuration. 2.5 marks for each project subject to maximum 5 (five) marks	10		
v)	Experience in similar capacity as Key member in Operations and Maintenance of ITS works for major highway/Expressway Project of 40 km or more of similar configuration. 2.5 marks for each project subject to maximum 5 (five) marks	10		
	Total :	100		

Note:

- 1) Similar Capacity includes the following positions:
 - i. On behalf of Consultant: Engineer/Project Engineer (ITS)
 - ii. On behalf of Contractor: Project Engineer or equivalent (ITS Design/ Implementation/ Project Management/ Construction Supervision)
 - iii. On behalf of Government: Independent Engineer/ Executive Engineer
- 2) Only those projects (in numbers) will be considered for evaluation above, where the input/working experience of the personnel is not < 12 months.
- 3) Experience claimed by the Applicant should inter-alia include at least five of following ITS sub-components for Highway/ Expressway Project(s). However, item (iii) i.e. Electronic Toll Collection (ETC) and (xix) i.e. CCTV/ Video Surveillance System are mandatory.
 - i. Automatic Traffic Counter cum Classifier System (ATCC)
 - ii. Central processing System
 - iii. Electronic Toll Collection (ETC)
 - iv. Emergency Call (ECB) Boxes, Call Assignment and logging / recording)
 - v. Environmental Observation System (EOS)
 - vi. Highway Radio (HWR)
 - vii. Hybrid ETC System (HES)
 - viii. Integrated ATMS Software and System Architecture
 - ix. ITS/ATMS Control Center integrated with above sub-components.
 - x. Meteorological Observation System (MOS)
 - xi. Mobile Radio Communication System
 - xii. Probe Data System
 - xiii. Static-Weigh-Bridge (SWB) system
 - xiv. Toll Management System
 - xv. Traffic Monitor Camera System (TMCS)
 - xvi. Travel Time Measurement System (TTMS)
 - xvii. Variable Message Signs System (Fixed)
 - xviii. Video Incident Detection System (VIDS)
 - xix. CCTV/ Video Surveillance System
 - xx. Weigh-in-Motion (WIM) System (Slow/medium/high) for toll plazas.
 - xxi. Wireless Communication System (WCS)

Category -III: Associate Consultant - ITS

NOTE: Applicants with total work experience of minimum 04 years and less than 10 years may only apply for Category-III. Any applicant falling short of the required work experience shall be rejected.

S. No.	Description	Max. Points	Reference/Details of projects claimed for self assessment	Marks self assessed by the Applicant
1	General Qualification	25		
	I) Graduate in Electrical/ Electronics/ Computer Science/ IT/ Telecommunication Engineering OR Diploma in Electrical/ Electronics/ Computer Science/ IT/ Telecommunication Engineering with 1 year experience	10		
	II) Post Graduation/MBA/PG Diploma in Transportation/ Electrical/Electronics/Computer Science/IT/Telecommunication or equivalent	05		
	III) Degree/Diploma/Certificate in Project Management or studied as a subject in Post-Graduation	03		
	IV) Membership of relevant Professional Society	02		
	V) Any additional qualification	05		
2	Adequacy for the Project	75		
	Professional Experience:			
i)	Total Professional Experience <3 years →0 marks 3 years →10 marks Add one marks extra for each additional completed year of experience subject to maximum 10 (ten) marks.	20		
ii)	Experience as Engineer/Project Executive / Jr. Engineer or equivalent in ITS works for Highway/Expressway Projects. < 2 years →0 marks 2 years →15 marks Add 1 marks extra for each additional year of experience subject to maximum 5 (five) marks.	20		
ii)	Experience in similar capacity in Execution of ITS Projects (Highway/Expressway projects of length of 40 km or more of similar configuration) 1 project →10 marks Add two mark extra for each additional project subject to maximum 10 (ten) marks.	20		
iii)	Experience in similar capacity as a part of team in Supervision of ITS works for major highway/Expressway Project of 40 km or more of similar configuration. 2.5 marks for each project subject to maximum 10 (ten) marks	10		
iv)	Experience in similar capacity in Operations and Maintenance of ITS works for major highway/Expressway Project of 40 km or more of similar configuration. 2.5 marks for each project subject to maximum 5 (five) marks	5		
	Total :	100		