



INDIAN INSTITUTE OF MANAGEMENT MUMBAI

Vihar Lake Road, Powai, Mumbai-400087

INVITES

REQUEST FOR PROPOSAL

For

Selection of Consultants for Providing Third Party Quality Assurance & Quality Control (TPQA/QC) Services for Various Construction Works at Indian Institute of Management Mumbai.

RFP Notice No. RFP/IIMM/TPQA/QC/2024-25, dated Nov. 27, 2024

Volume I

**Chief Administrative officer,
Indian Institute of Management Mumbai
Vihar lake road, Powai, Mumbai 400087**

November 2024

RFP SCHEDULE

Name of Organization	Indian Institute of Management Mumbai.
Tender Type (Open/ Limited/ RFP / Auction/ Single)	RFP
Tender Category (Services/ Goods/ Works)	Service
Type/Form of Contract (Work/ Supply/ Auction/Service/ Buy/Empanelment/Sell)	Service
Is multi-currency allowed	No
Date of issue/Publishing RFP	28/11/2024 at 11:00 Hrs
Document Download/Sale Start Date	28/11/2024 at 11:00 Hrs
Document Download/Sale End Date	19/12/2024 at 15:00 Hrs
Submission of Pre-bid queries online	09/12/2024 up to 17.00 Hrs.
Date of Pre-Bid Conference	10/12/2024 at 15:00 Hrs
Venue of Pre-Bid Conference	Mini – conference room ,1 st Floor, IIM Mumbai, Vihar lake road, Powai, Mumbai 400087
Estimated Construction value of Project	Rs. 300 Cr.
Estimated Value for this Tender	Rs. 2.25 Cr
Last Date and Time for uploading of Bids	19/12/2024 at 15:00 Hrs
Date and Time of opening of Technical Bids	20/12/2024 at 15:30 Hrs
RFP document Fees	Rs. 3540.00 /- Incl. of GST (Through e-payment)
EMD	Rs. 4,50,000/- (Through e-payment)
No. of Covers	02 (Two)
Bid Validity days	120 days
Address for communication	Chief Administrative officer, IIM Mumbai, Vihar lake road, Powai, Mumbai 400087
Price Escalation	NIL
Contact No.	022 2803 5200 / 022 2857 3371
Email Address	osd.ips@iimmumbai.ac.in
Bank Details	Bank name - State Bank of India Account Name - IIM Mumbai Main Account Current Account No. - 10007680096 IFSC code - SBIN0009055 MICR No - 400002117 Branch Name -NITIE Vihar Lake Branch Code - 09055

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Definitions: In this document the following words and expression have their meaning here by assigned to them.

Bidder means the individual, proprietary firm, firm in partnership, limited company, private or public or corporation who is participating in this bid as a sole bidder or in consortium as indicate in this document.
PMC: M/s WAPCOS Limited or any other organization appointed by IIM Mumbai
Construction Agency: The Construction Agency engaged by IIM Mumbai.
Institute means the Indian Institute of Management, Vihar lake road, Powai, Mumbai 400087
TPQA/QC Consultant means the bidder who is selected as per the evaluation process to carry out the TPQA/QC work.

SECTION – I: INVITATION OF RFP

1. Background

Indian Institute of Management, Mumbai (erstwhile NITIE) situated at Vihar Lake road, Powai, Mumbai 400087 was established by Government of India in 1963 with the assistance of the United Nations Development Programme (UNDP) and the International Labor Organization (ILO). IIM Mumbai has been consistently ranked among the top B-schools in India. IIM Mumbai is ranked 6th in the National Institutional Ranking Framework (NIRF) rankings for 2024 among Management Institutes across India. IIM Mumbai is committed to creating skilled professionals in diverse functional areas like Operations Management, Analytics, Finance, Marketing, Project Management, HR, Information Technology, and Sustainability Management.

The construction of IIM Mumbai Campus is to be revamped by demolishing old existing buildings & new buildings like Academic Block, Auditorium, Student Activity centre, fintech centre, research park, executive hostels, Boys & Girls Hostels, Directors & Faculty & Staff residences & other services shall be taken up for construction in the phased manner. In addition, some repair / extra works / renovation also to be carried out in the old infrastructures simultaneously. WAPCOS Ltd. is engaged as PMC for the construction work of campus infrastructure of IIM Mumbai.

The construction work is likely to commence soon. To ensure adherence to the prescribed quality standards in the construction and to ensure to meet the given timeframe IIM Mumbai desires to empanel and engage a professional firm for undertaking third party quality assurance and quality control (TPQA/QC) services for above mentioned works. Institute is targeting for 5 Star GRIHA Rating/IGBC Platinum for the planned projects.

2. Contact information

Provided in the RFP Schedule

3. Who can apply

Those companies who meet the eligibility criteria for providing TPQA/QC services can apply as a sole bidder. Joint Venture / Consortium are not allowed. The financial turnover, time responsibility and delivery conditions shall apply to the bidder.

4. How to apply

This RFP is published on Central Public Procurement Portal. The proposals shall be received online only through the Central Public Procurement Portal. <https://eprocure.gov.in/eprocure/app>). In order to apply online, a bidder must be registered on the portal (see Annexure-2 for detail guidelines) and must have a valid class II/III Digital Signature Certificate (DSC) in the form of a smart card, e-token etc. in the company's name. This is a pre-requisite for the registration as well as for the submissions of the bid proposal.

The bidders shall be required to upload digitally signed documents in .pdf format. Alternately, each page may be physically signed, scanned and uploaded in the .pdf format.

There shall be two separate .pdf files that will be uploaded by the bidders for technical bid evaluation:

File – 1: Receipt of RFP fee, EMD and Letter of transmittal as per Annexure-1.

File – 2: Submittals as given in SECTION – II: TERMS AND CONDITIONS of this document.

Note: Uploading of illegible documents may lead rejection of the bid.

The financial bid shall be submitted as per the procedure of CPP. This shall not be opened till the technical bids are evaluated as per the procedure outlined in this RFP

5. How to send the proposal

All bid proposals must be submitted only online through the Central Public Procurement Portal as per the deadlines provided in the RFP schedule.

The bid proposals will not be accepted in person or through mail/ courier etc. Please note that the Institute will not take any liability for bid proposals received late or not received at all due to any reasons including delay in procurement of DSC, delay in registration on CPP, non-availability of network etc.

NOTE: All documents submitted by the bidders in their bid proposals shall become the property of the Institute and may be used without making any reference to the bidders.

For any further clarifications, the bidders can contact the Institute as per the contact details given in the RFP schedule. For any assistance regarding the Central Public Procurement Portal, a 24x7 helpline number (+91-120-4493395, +91-120-4001002 or +91-120-4001005) may be used by the bidders.

6. Validity of RFP

The RFP proposal must be valid for a period of at least 120 days from the date of financial bid opening. It shall be assumed so in case, it is not explicitly mentioned in the proposal. Proposals will be summarily rejected if they are not valid for at least 120 days.

7. Last date for submission of bid proposals

The last date for submission of RFP documents is given in the RFP schedule.

8. Opening of bid proposals

The bid proposals will be opened as per the date and address given in the RFP Schedule.

9. IIM Mumbai reserves the right to cancel any bid or all the bids and cancel the overall tender process at any stage without assigning any reason. IIM Mumbai is also not bound to accept the lowest quoted bid.

(END OF SECTION-I)

SECTION – II: TERMS AND CONDITIONS

1. Aim and objectives of TPQA/QC and TPQA/QC Consultant

The main aim of the TPQA/QC Consultant will be to act as an onsite representative of IIM, Mumbai during construction in achieving highest quality standard of materials, workmanship, finish and time-bound construction.

2. The Objectives are:

- The TPQA/QC shall include detailed review of estimates / DPR submitted by PMC / Architect / Consultant of IIM Mumbai for new infrastructure & old infrastructure works, review of every aspect of quality & certification of quantity executed before processing of RA Bills / Final Bills & other works related to above activities from time to time as required by IIM Mumbai.
- To ensure quality checks of construction materials as per latest and relevant IS codes/standard, ASTM /DIN or any other applicable international standard and procedures.
- to inspect the material quality before dispatch at manufacturer premises within 100 km of site as directed by IIM Mumbai, The TPQA agency shall make their own arrangement for carrying out the inspection at manufacturer premises.
- For Inspection beyond 100 km radius shall require prior permission of IIM Mumbai if desired and cost of travel shall be borne by the contractor.
- To monitor that construction is carried out as per the processes, sequencing, and quality control measures mentioned in the agreement between PMC / IIM MUMBAI and the construction agency, and method statements submitted by the contractor to PMC / IIM MUMBAI.
- To inspect the site, generate reports and highlight areas of concern on quality of materials, workmanship and finishing at all stages of construction
- To check that construction is carried out as per drawings and specifications as per contract between PMC / IIM MUMBAI and construction agency and as per the agreement and transmittals from IIM Mumbai to PMC / IIM MUMBAI.
- To monitor dimensional and geometrical integrity, material and system integrity, performance and constructional integrity and visual and textural integrity.
- To conduct quality control inspections and the material testing in Contractor's established laboratory at site. In case of any deviation TPQA/QC may ask contractor to carry out the test at any local NABL / Govt. Laboratory. In all cases expenses shall be borne by the contractor.
- To assist achieve the best quality and execution of work within the prescribed time schedule.
- To monitor the construction timelines and bring any significant deviation to the notice of Institute early enough so that corrective actions may be taken.

3. Information and guidelines for bidders

3.1 General

3.1.1 This RFP shall be submitted online only and in two-bid system:

- a) Cover-I: PQ cum Technical-Bid b) Cover-II: Price Bid [BoQ]

A bid from a bidder that provides any financial bid details in Cover-1 shall be summarily rejected.

3.1.2 This RFP involves Rate quoted by the bidder. The applications shall be evaluated by an evaluation committee based on the criteria defined by IIM Mumbai. Letter of transmittal and forms for deciding eligibility are given in the annexures.

3.1.3 All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even, if no information is to be provided in a column, a 'nil' or 'no such case' entry should be made in that column. If any particulars/query is not applicable in case of the bidder, it should be stated as 'Not applicable'. The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms (or) deliberately suppressing the information or if uploaded documents are not legible may result in the bid being summarily disqualified. Bids must only be made as per the process outlined in this document. Bid proposals sent through any other channels such by post, by email, by telegram, by telex or any other mode other than the Central Public Procurement Portal will not be entertained. Further any bid made after the last date/time of making the proposals shall not be entertained.

3.1.4 The bid should be type-written/computer printed. The bidder (s) should sign each page of the application or the entire PDF file may be digitally signed as per IT Act.

3.1.5 Overwriting should be avoided. Correction, if any, should be made by neatly crossing out by signing, dating and rewriting. Pages of the Eligibility criteria documents are numbered. Additional sheets, if any added by the bidder should also be numbered by him. They should be submitted as a package with signed letter of transmittal.

3.1.6 References, information and certificate from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by an officer not below the rank of Executive Engineer/Project Manager or equivalent.

3.1.7 The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete envisaged work. He is, however advised not to furnish superfluous information. No information shall be entertained after submission of eligibility criteria document unless it is called for by IIM Mumbai.

3.2 Method of application

3.2.1 If the bidder is an individual, the bid proposals (on each page) shall be signed by him above his/her full type written name and current address.

3.2.2 If the bidder is a proprietary firm; the bid proposals (on each page) shall be signed by the proprietor above his full type written name and the full name of his firm with its current address.

3.2.3 If the bidder is a partnership firm / LLP, the bid proposals (on each page) shall be signed by the partner/authorised signatory above their full type written names and current addresses or alternatively by a partner holding power of attorney for the firm. In the later case, a certified copy of the power of attorney should accompany the bid proposals. In both the cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.

3.2.4 If the bidder is a limited company or a corporation, the bid shall be signed by a duly authorized person holding power of attorney for signing the application and certified copy of such power of attorney shall also be furnished. The bidder should also furnish a copy of Memorandum of Articles of Association duly attested by a Public Notary.

3.2.5 In place of the affixing the pen signatures on the bid proposals, the PDF files may be digitally signed with the DSC in the name of the signer (as specified above) as per the provisions of IT Act. The DSC must be provided by a recognized CA for this purpose and must be in the name of the signer. The bid proposal which is not duly signed as mentioned above or by authorized signatory shall be treated as non-responsive and shall be summarily rejected.

3.2.6 The institute reserves the right to independently verify any of the particulars furnished.

3.3 Submittals of RFP

The bidder shall submit the following documents in Cover-I as part of the bid:

- a) Duly signed Letter of Transmittal on company's letter head as per format given in Annexure-1.
- b) Duly certified by CA Financial Information as per format given in Annexure-4.
- c) Income Tax Return Acknowledgement (ITR-V) for the years 2022-23 & 2023-24.
- d) Duly signed Solvency Certificate by a scheduled bank as per format given in Annexure-5.
- e) Details of similar works (Work orders, completion certificates duly signed by rank not less than Executive Engineer or Equivalent concern authority) as per format given in Annexure-6.
- f) Details of project under execution as per format given in Annexure-7.
- g) Performance report of the works referred to in Annexure-6 as per format given in Annexure-8.
- h) Bidder should not be blacklisted/ debarred by any organisation. Bidders shall give undertaking for not being involved in any form of corrupt and fraudulent practices. (Annexure 15)
- i) Bidder shall submit Information on litigation history in bidder Letter Head (Annexure - 16)
- j) Structure and organization on bidders original Letter Head as per format given in Annexure-9.
- k) CV of key personnel proposed to be engaged in the project as per format given in Annexure-10.
- l) Company incorporation Certificate, GST, PAN and EPF Certificates.
- m) NABL Accreditation Certificate.
- n) Undertaking of Site Visit.

The bidder shall submit checklist as given below.

S. No.	Requirement	Specific Requirements	Documents Required	Documents Enclosed
1	Legal Entity	The firm should be registered under Indian Companies Act, 1956, a partnership firm registered Indian Partnership Act, 1932, or a proprietorship Firm	Copy of certificate of Incorporation	Yes/No
			Copy of registration certificate(s)	Yes/No
2	Turnover	Average Annual Turnover of the firm for the last three financial years (namely, 2021-22, and 2022- 23 and 23-24) Should be at least Rs..... Crores, as per the last published & audited balance sheets	Certificate of Chartered Accountant with Registration Number and Seal	Yes/No
		The firm should not have incurred loss consecutively two years in the last five financial years (namely 2018-19, 2019-20, 2020-21, 2021-22, and 2022-23) ending on 31-3-2023.	Certificate of Chartered Accountant with Registration Number and Seal	Yes/No
3	Technical Capability	As per clause no. 3.7		Yes/No
4	Tax Registration	The firm should have a registered number of: (1) GST where the firm is located (2) Income Tax Number, or PAN	Copies of relevant certificates of Registration: (1) GST No. (2) PAN No.	Yes/No Yes/No
5	EPF Registration	The firm should have a registered number of: (1) GST where the firm is located		

The bidder must submit the following in Cover-II (**online on CPP Portal Only**):

a) Financial Bid as per format given in Annexure-13 which must be filled online on CPP Portal.

3.4 Final decision-making authority

IIM Mumbai reserves its right to accept or reject any bid and to annul the process and reject all bids at any time without assigning any reason or incurring any liability to the bidders.

3.5 Particulars provisional

The particulars of the work given in Section III: are provisional. They are liable to change and must be considered only as advance information to assist the bidder(s).

3.6 Site visit and Tender Document

3.6.1 It is mandatory for bidder to visit the site of work, at his own cost, and examine it and its surroundings and collect all information that the bidder considers necessary for proper assessment of the prospective assignment. A site visit report signed by IIM Mumbai representative to be attached along with letter of transmittal

3.7 Initial criteria for eligibility

The bidder who fulfils the following requirements shall be eligible to apply.

3.7.1 The Bidder Should have successfully rendered Quality Assurance Consultancy services for the works/Projects of Central Universities/Institutes, IIT's, IIM's, Hostels, College campus, etc., of magnitude as follows during the last 7 years ending previous day of last date of submission of RFP.

One similar completed cost of work not less than **Rs. 240 Crores**

Or

Two similar completed cost of work not less than **Rs. 180 Crores**

Or

Three similar completed cost of work not less than **Rs. 120 Crores**

3.7.2 "Cost of work" in this criterion shall mean completed cost of project (excluding the TPQA/QC charges) in which Quality Assurance & Quality control Consultancy services rendered by the bidder.

3.7.3 "Similar work" in these criteria means "Quality Assurance Consultancy services rendered for Construction of Civil, MEP & allied works in RCC framed Residential or Non-Residential Buildings including campus development Works for Central Universities/Institutes, IIT's, IIM's, Hostels, College campus,

The executed works should be in the sole name of firm/bidder. The works executed in joint ventures of any other kind shall not be accepted as similar work.

The value of the construction projects for the TPQA/QC work executed shall be brought to current costing level by enhancing the actual value of work done at simple rate of 7% per annum for each completed year; calculated from the date of completion to previous day of last date of submission for bids.

The bidder's performance for each work completed in the last seven years ending previous day of last date of submission of bid should be certified by an officer not below the rank of Executive Engineer / Project Manager or equivalent.

3.7.4 The bidder should have had average Annual Financial turnover of **Rs. 300 Lakhs from** services only during the **last Five** financial years ending at FY-2024, duly certified by Chartered Accountant.

3.7.5 The bidder shall possess an in-house NABL-accredited civil engineering material testing laboratory. If desired by IIM Mumbai, the TPQA agency shall carry out few sample checks / Test in their own laboratory.

3.7.6 The bidder must not be a loss-making organization in any two consecutive years in the last 5 five years. Copies of ITR-V for the last five financial years must be attached with the bid.

3.7.7 The bidder shall possess a sufficient number of technical and administrative employees to ensure the proper execution of the contract. The bidder shall submit a list of these employees, detailing their specific roles in the work, within 15 days of the work award.

3.8 Evaluation criteria

3.8.1 The details submitted by the bidder will be evaluated in the following manner.

The initial criteria prescribed in Para 3.7 above in respect of experience of eligible similar class of works completed, key personnel and financial turn over will first be scrutinized and the bidder's eligibility for the work be determined.

3.8.1.1 Final selection of the Consultant will be based on the combined total of their Technical and Financial Scores, with 70% weightage given to technical score and 30% weightage given to financial score.

3.8.1.2 The bidder's qualifying the initial criteria as set out in Para 3.7 above will be evaluated for following criteria by scoring method as specified in Annexure-3 on the basis of details furnished by them:

S. No.	Parameters	Marks
a	Financial Strength (Form 'A' & 'B')	Maximum 20 marks
b	Experience in eligible similar nature of work during last seven years (Form 'C', Form 'C-1')	Maximum 30 marks
c	Experience of key Personnel (Form 'E' and 'E-1')	Maximum 20 marks
d	NABL Accredited Laboratory	Maximum 10 Marks
e	Presentation	Maximum 20 marks
	Total	100 marks

3.8.1.3 To be eligible for further scrutiny, a bidder must obtain a total of 75 marks or above in [3.8.1.2 (a) to (e)].

3.8.1.4 The bidder will be given marks [3.8.1.2 (e)] on the basis of their presentation by Technical Expert Committee formed by the Institute.

3.8.1.5 The technical score shall be computed based on the marks obtained in (3.8.1.2 a, b, c, d and e). The total marks obtained (Marks obtained in 3.8.1.2 a, b, c, d and e) for Technical proposal shall be called Technical Points (TP). The Technical Score (TS) of proposals shall be determined by the formula $TS=100 \times TP/TP_{max}$ which shall yield a technical score of 100 for the bidder getting highest technical points (TP_{max}).

3.8.1.6 The lowest financial proposal (FP) shall be given a financial score (FS) of 100 points.

The financial score (FS) of other proposals will be determined using the formula: $FS=100 \times FP/F$, in which FS is the financial score, FP is the lowest fees quoted among all bidders, and F is the fees quoted by a bidder.

3.8.1.7 Proposals will be ranked according to their combined technical (TS) and financial (FS) scores using the weights. The weightage given to the technical and financial proposals will be 0.70, and 0.30 respectively. The Combined Score shall be calculated using the following formula: $S = TS \times 0.70 + FS \times 0.30$

3.8.1.8 The work will be awarded to the bidder who scores highest combined scores.

3.8.1.9 The Institute, however, reserves the right to restrict the list of such qualified bidders to any number deemed suitable by it.

3.8.1.10 Evaluation of the performance of bidders for eligibility shall be done by an evaluation committee to be appointed by IIM Mumbai based on the criteria defined and on the basis of documents submitted.

3.8.1.11 Even though any bidder may satisfy the above requirements, he would be liable to disqualification if he has

a) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria documents.

b) Record of poor performance such as abandoning work, not properly completing the contract, financial failures/weaknesses or inadequate deployment of resources etc.

3.9 Financial information

3.9.1 Bidder should furnish the following financial information:

3.9.1.1 Annual financial statement for the last five financial years (ending at FY -24) in Form 'A' as given in Annexure 4

4. Experiences of similar works

4.1 Bidder should furnish the following.

4.1.1 List of eligible similar work successfully completed during last seven years in Form 'C' (as given in Annexure 6) and ongoing works in Form 'C-1' (as given in Annexure 7).

4.1.2 Particulars of completed works and performance of the bidder duly authenticated/certified by an officer not below the rank of Executive Engineer/ Project Manager or equivalent, should be furnished separately for each work completed in Form-'D'(as given in Annexure 8).

4.1 Organization information:

Bidder is required to submit the information in respect of his/her/their organization in Form-'E' (as given in Annexure 9). Brief CV (indicating name, age, educational background, chronological list of experience, list of key projects for which the exposure is available etc.) of key personnel and their roles envisaged in this project are required to be submitted for evaluation in Form- 'E-1' (as given in Annexure 10).

4.2 Letter of transmittal:

The Bidder should submit the letter of transmittal (Annexure 1) attached with the document

4.3 Opening of bid:

After evaluation of pre-qualification documents, a list of shortlisted bidders will be prepared as per 3.7(Initial criteria for eligibility). All the shortlisted bidders will have to make presentation before an evaluation committee appointed by IIM Mumbai on a date intimated later. The bidder shall deliver the presentation along with the project manager who will be heading the project.

4.4 Presentation

The presentation must be made on computers and must include all the salient features as listed below.

a) Understanding of project and overall plan for the proposed consultancy services as indicated in the scope of work.

- b) Methodology proposed to be adopted for the Quality Assurance (QA) and Quality Control (QC) for the building construction including services like MEP, Firefighting and HVAC, Lift, Solar heating systems etc.
- c) Proposed methodology and software application be used to track various project components delivery time and action items of various stakeholders and sending alerts (email), escalation to appropriate authority using customized software applications.
- d) Innovative methods for quality control measures.
- e) Key personnel proposed for the project and their CV and why are they suitable for the project (indication of strengths relevant to the project).
- f) Any additional work proposed to be carried out apart from what is mentioned in the scope of work.
- g) Approach to be taken to adhere the quality standards for ensuring timely completion of the construction project.

Signed copy of the presentation should be submitted at the time of presentation.

4.5 Award criteria

4.5.1 The work will be awarded to the bidder who scores highest combined score as mentioned in para 3.8.1.2

4.5.2 IIM Mumbai reserves its right, without being liable for any damages or obligation to inform the bidder to:

4.5.3 Amend the scope of work and value of contract.

4.5.4 Reject any or all the applications without assigning any reason.

4.5.5 Any effort on the part of the bidder or his agent to exercise influence or to pressurize the Institute would result in rejection of his bid. Canvassing of any kind is prohibited.

5. General Terms & conditions of contract

5.1. TPQA/QC Personnel

5.1.1. General:

The TPQA/QC shall employ and provide such qualified and experienced Personnel approved and agreed by the IIMM, to carry out the Services. The TPQA/QC shall also bind his Personnel to the confidentiality of the Services performed by them under this TPQA/QC Contract.

5.1.2. Appointing of the Key Personnel:

The Project Manager/ Senior Engineer- Civil/ Senior Engineer- Electrical & Engineer have to be got interviewed & cleared by IIMM before deploying them on the job.

5.1.3. Description of Personnel:

The titles, agreed job descriptions, minimum qualification and estimated periods of engagement in the carrying out of the Services of each of the TPQA/QC Key Personnel are to be furnished.

5.1.4. Removals and/or Replacement of Personnel

Except as IIMM may otherwise agree no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the TPQA/QC, it becomes necessary to replace any of the Personnel, the TPQA/QC shall forthwith provide as a replacement a person of equivalent or better qualifications.

5.2. Insurance to be taken out by the TPQA/QC.

The TPQA/QC shall take out and maintain, at his own cost but on terms and conditions approved by the IIMM, insurance against the risks, and for the coverage of Employer's liability and workers' compensation insurance in respect of the personnel of the TPQA/QC in accordance with the relevant provisions of the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate and copy shall be provided as evidence showing that such insurance has been taken out and maintained and that the current premiums thereof are timely paid.

5.3. TPQA/QC's Actions requiring prior approval of IIMM

The TPQA/QC shall obtain the prior approval of IIMM in writing before taking any of the following actions:

- a) Appointing of the Key Personnel- The Project Manager/ Senior Engineer- Civil/ Senior Engineer- Electrical & Engineer to be got interviewed & cleared by IIMM before deploying them on the job.
- b) Any other action that may be specified in the special conditions of contract.
- c) Additional Financial expenditure of project due to deviations/extra/variations of constructions contract provisions.
- d) Documents prepared by the TPQA/QC to be the property of IIMM

5.4. Taxes and Duties

5.4.1. The TPQA/QC and their Personnel shall pay all such taxes, duties, fees and other

impositions as may be levied under the Applicable Law, the amount of which is deemed to have been included in the TPQA/QC Cost Quoted, **except GST which shall be quoted separately.**

5.5. Notices

- a) Any notice, request or consent required or permitted to be given or made pursuant to this Contract shall be in writing and shall be deemed to have been given or made when delivered in person to an authorised representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram or facsimile to such Party at the address specified in the contract.
- b) Notice will deem to be effective as specified in the contract.

5.6. Authorized Representatives

Any action required or permitted to be taken, and any document required or permitted to be executed, under this Agreement by the IIMM or the TPQA/QC may be taken or executed by the officials specified in the contract.

- For IIMM: CAO
- For the TPQA/QC..... (Enclose Authorisation by Authorised Signatory of the TPQA/QC Agency)

5.7. Termination by IIMM

5.7.1 IIMM may terminate this TPQA/QC Contract, by not less than thirty (30) days' written notice of termination to the TPQA/QC, to be given after the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause 5.7 and sixty (60) days in the case of event referred to in (e) below:

- a) If the TPQA/QC fail to remedy a failure in the performance of their obligations and deployment of technical personnel as stipulated under the Contract within thirty (30) days of receipt after being notified or within such further period as IIMM may have subsequently approved in writing. This action is without prejudice to other penal provisions in the agreement.
- b) If the TPQA/QC become insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take- advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary.
- c) If the TPQA/QC submit to IIMM a statement which has a material effect on the rights, obligation or interests of IIMM and which the TPQA/QC know to be false.
- d) If, as the result of Force Majeure, the TPQA/QC are unable to perform a material portion of the Services for a period of not less than sixty (60) days; or
- e) If IIMM, in its sole discretion and for any reason whatsoever, decides to terminate this TPQA/QC Contract.

5.8. Termination by the TPQA/QC

5.8.1 The TPQA/QC may, by not less than thirty (30) days' written notice to IIMM, such notice to be given after the occurrence of any of the events specified in paragraphs (a) and (b) of this Clause 5.8.1, terminate this Contract:

- a) If IIMM fails to pay any money due to the TPQA/QC pursuant to this TPQA/QC Contract and not subject to dispute pursuant to Clause 5.25 hereof within forty-five (45) days after receiving written notice from the TPQA/QC that such payment is overdue;
- b) If, as a result of Force Majeure, the TPQA/QC are unable to perform a material portion of the Services for a period of not less than sixty (60) days.

5.9. Payment upon Termination

- a) Upon termination of this Contract pursuant to Clauses 5.7 or 5.8 hereof, IIMM shall make the following payments to the TPQA/QC (after offsetting against these payments any amount that may be due from the TPQA/QC to IIMM)
- b) Remuneration pursuant for Services satisfactorily performed prior to the effective date of termination; and
- c) Reimbursable expenditures pursuant for expenditures actually incurred prior to the effective date of termination.
- d) The IIMM shall not be liable to pay any bonus, damage or other claims of the TPQA/QC for the loss of expected profit or interest in uncompleted portions of the work and services.
- e) In the event of termination of Contract, the TPQA/QC shall furnish to IIMM all the design, drawings, data, documents and details as exist with him till that date.
- f) **Amicable settlement of Disputes:** The parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this contract or the interpretation thereof.

5.10. Documents to be maintained at the site office for inspection.

- a) Original contract with Architectural consultant / contractor.
- b) Standard specifications.
- c) Stage Passing Register, Site order book, test records/ logbooks, working out Standard Deviation
- d) Any other documents relevant to the works including the documents that are to be maintained as per CVC/CPWD/CTE the same needs to be maintained as per the format.
- e) All relevant IS codes ASTM and other international applicable standards.
- f) Records/ Registers of Materials testing duly endorsed by accredited representative.
- g) Calibration report of testing equipment from accredited agency
- h) Challans /bills of materials required for/in testing stored in laboratory.
- i) Records of tests if witnessed by IIM officials as per their discretion.
- j) Record of Testing facility/equipment & materials shall be conforming to relevant IS /international standards.
- k) Guarantee Bond etc. towards security for work, machinery/ mobilization advances etc. including extension of validity.
- l) Insurance policies for work, materials equipment, men etc. including extension of

validity.

- m) Guarantee for water tightness, termite proofing etc.
- n) Standard schedule of rates.
- o) Drawings – Architectural, Structural and Services. (One copy of tender drawing & all latest good for construction drawing and a copy of drawings approved by statutory authorities.
- p) All connected measurement book, level books field books and lead charts.
- q) All running account bills with all connected statements / vouchers.
- r) Statements showing details of check of measurements by superior officers-copies of order laying down such requirements.
- s) Materials at site accounts/cement, steel, bitumen, paints, water proofing compound, pig lead, anti-termite chemical etc.
- t) Stage Passing Register, Site order book, test records/ logbooks, working out Standard Deviation
- u) Details of extra / substituted items and of deviated quantities being executed / considered for execution in the work along with analysis of rates.
- v) Office, correspondence files and inspection note, if any, issued by inspection officer.
- w) Any other documents relevant to the works including the documents that are to be maintained as per CVC/CPWD/CTE the same needs to be maintained as per the format
- x) The TPQA/QC Consultancy service provider shall maintain the following detailed documents
 - Project Review Meeting Minutes (both soft/Hard copy)
 - Approval of Construction/Service materials
 - Status of GRIHA compilation
- y) The TPQA/QC Consultancy service provider shall submit Weekly/Monthly report (both soft and hard copy) with following details:
 - Details of Project
 - Project Report a) Physical during the period B) Financial during the period c) Details payment made)
 - Milestone achievements
 - Cost control & Planning a) Variation approved /proposed b) Extra/Substitute/Deviation items
 - RA Bill/Mobilization/Secured Advance details
 - Quality Assurance/Safety measure a) Tests results during month b) Mandatory test carried out, sample/agency approved
 - Status of drawings
 - Labor Welfare
 - Safety Measures at site
 - Manpower deployed
 - Site Inspection

- Important Point's affecting Progress and Action Taken
- Excavated Hard Rock Statement
- CVC documents & Registers to be submitted to IIM Mumbai for counter signature & monthly report for maintenance & updating of documents.

5.11. Post Construction TPQA services

- a) Assisting IIMM officials in Interaction with Chief Vigilance Officer (CVO) of IIMM, Chief Technical Examiner (CTE) or any other officers of Central Vigilance Commission (CVC), and other statutory authorities like BMC regarding the execution of works as and when required.
- b) Assisting IIMM with all documentation in case of Arbitration and legal matters relating to the execution of work

5.12. Project Organization

The TPQA/QC shall ensure that at all times during the TPQA/QC's performance of the Services a well-defined project set-up exists at his end. This set-up only will interact with IIMM personnel in providing the Services.

5.13. Security Rules

The TPQA/QC will follow the rules and regulation for the security framed by IIMM from time to time regarding movement of personnel, materials and equipment to and from office/site, issue of identity cards, control of entry of personnel and all similar matters. The TPQA/QC will also follow all rules and regulations applicable to the area being declared/pronounced from time to time by the authorities or authority of existing IIMM facilities in the vicinity of any other statutory orders. Nothing extra will be payable on account of stoppage/hindrance of the work due to the enforcement of security measures/ emergency conditions.

5.14. Idle Claim

No claims from the TPQA/QC will be entertained on account of idle work force, non-use of facilities due to stoppage of work, unprecedented rain, storm or any other unforeseen circumstances.

5.15. Fairness & Good Faith

Good Faith: The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

5.16. Operation of the Contract:

The Parties recognize that it is impractical in this Contract to provide for every contingency which may arise during the currency of the Contract, and the Parties hereby agree that it is their intention that this Contract shall operate fairly between them, and without detriment to the interest of either of them, and that, if during the term of this Contract either Party believes that this Contract is operating unfairly, the Parties will use their best efforts to agree on such action as may be necessary to remove the cause or causes of such unfairness, but no failure to agree on any action pursuant to this Clause shall give rise to a dispute subject to arbitration in accordance with Clause 5.25 of GCC.

5.17. Change in the Applicable Law:

If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost or reimbursable expenses incurred by the TPQA/QC in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the TPQA/QC under this Contract shall be increased or decreased accordingly by agreement between the Parties hereto, and corresponding adjustments shall be made to the contract price.

5.18. Suspension of Services

IIMM may, by written notice of suspension to the TPQA/QC, suspend all payments to the TPQA/QC hereunder if the TPQA/QC fails to perform any of their obligations under this Contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall request the TPQA/QC to remedy such failure within a period not exceeding thirty (30) days after receipt by the TPQA/QC of such notice of suspension.

5.19. Foreclosure of the Contract

It shall be within the authority of IIMM, at any time after acceptance of the bid or during the execution of the work, to foreclose or reduce the scope of the work, for any reasons whatsoever, either partly or wholly by giving the written notice not less than 15 days to the TPQA/QC. In such an event, the TPQA/QC shall have no claim whatsoever on account of any profits (s) or advantage(s) which the TPQA/QC might have derived from the execution of work in full but for the reason of the foreclosure of the whole or part of the work. However, the TPQA/QC shall be paid at the contract rates for the Services performed by him and the amount certified by the 'IIMM'.

5.20. Abandonment of Work

In case, the work is abandoned by the TPQA/QC, without good and sufficient justification IIMM is at liberty to encash the Performance Guarantee and impound any other amounts due to the TPQA/QC at the time of abandonment on account of this contract and engage another agency to complete the balance work without prejudice to any remedies available under this contract of Indian Law.

5.21. Liability of the Consultant

Except in case of gross negligence or wilful misconduct on the part of the TPQA/QC or on the part of any person or firm acting on behalf of the TPQA/QC in carrying out the Services, the liability of the TPQA/QC for all guarantees & warranties shall be limited to **10% (Ten percent)** (to be mentioned by the indenter) TPQA/QC of the Contract Price.

5.22. Attendance, working hours, Overtime, Leave, etc.

- a) The TPQA/QC shall maintain the personnel daily attendance register maintained at site office and shall be signed and countersigned by OSD/representative of IIMM obtained before **9.15** hrs. The working hours for each staff would be **48** hours per week.
- b) The TPQA/QC, Sub-consultant or their Personnel shall not be entitled to any overtime payment and the same deemed to have been included in the Contract Price. Taking of leave by Key Personnel shall be subject to the prior approval by IIMM. The TPQA/QC who

shall ensure that absence for leave purposes will not delay the progress and adequate supervision of the Services.

- c) The TPQA/QC's personnel working at the Site shall observe the construction working hours and declared national holidays. It's the responsibility of the TPQA/QC, in the event of works being executed during holidays suitable arrangements shall be made available.

5.23. Project Organization

The TPQA/QC shall ensure that at all times during the TPQA/QC's performance of the Services a well-defined project set-up exists at his end. This set-up only will interact with IIMM personnel in providing the Services.

5.24. Rights of other Agencies

- a) Other agencies may also be simultaneously working within and around the locations/areas designated to carry out the Assignment. No extra claim during the tenure of the work will be entertained by IIMM for hindrances on account of such interfaces with other/allied agencies.
- b) Change in the Applicable Law: If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost or reimbursable expenses incurred by the TPQA/QC in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the TPQA/QC under this Contract shall be increased or decreased accordingly by agreement between the Parties hereto, and corresponding adjustments shall be made to the contract price.

5.25. Dispute Settlement Mechanism:

- a) Any dispute between the Parties as to matters arising pursuant to this Contract which cannot be settled amicably within thirty (30) days after receipt of a notice by one Party, the request for such amicable settlement may be submitted by either Party for settlement in accordance with the following provisions:
- b) Any dispute or difference at any time arising between the IIMM and the Consultant as to the construction, meaning or effect of the Contract or as to any clause, matter or thing herein contained or as to the rights and liabilities of the parties hereto shall be referred to a Sole Arbitrator to be appointed by the Chairman, Board of Governors, IIMM, who shall decide the case in accordance with the contract provisions and subject to the provisions of the Indian Arbitration & Reconciliation Act, 1996 or any statutory modifications or re-enactment thereof for the time being in force and all proceedings in any such Arbitration shall be held in Mumbai.

5.26. Obligations of the TPQA/QC

General Standard of Performance: The TPQA/QC shall perform the Services and carry out their obligations with all due diligence, efficiency and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe and effective equipment machinery, materials and methods. The TPQA/QC shall always act, in respect of any matter relating to this TPQA/QC Contract or to the Services, as faithful advisers to the IIMM, and shall at all times support and safeguard the legitimate interests of IIMM in any dealings with sub-Consultant or Third Parties. Safety precautions to be observed and shall be followed strictly as per General Condition of Contract agreed with the Contractor.

5.27. Confidentiality:

The TPQA/QC, his Sub-consultants and the Personnel of either of them shall not disclose any information and data furnished to him by IIMM to any third party nor shall disclose any drawings, reports, specification, manuals and other information developed and prepared for IIMM by the TPQA/QC and his Sub-consultants and the Personnel of either of them, without prior written approval of IIMM.

5.28. Performance Guarantee and Retention Money

Performance Guarantee

- a) In the event of any TPQA/QC getting selected for the work, the TPQA/QC will have to pay the Performance Guarantee (PG) @ 10% (Ten percent) of the bid value of the consultancy. The TPQA/QC shall submit an irrevocable Performance Guarantee of 10% (Ten percent) within 15 (fifteen) days from the date of issue of letter of acceptance. The period for submission can be extended by IIMM up to a maximum period as (7) (seven) days on written request of the TPQA/QC stating the reason for delays in procuring the Bank Guarantee, to the satisfaction of the Engineer-in-Charge. This guarantee shall be in the form of Cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at Call receipt of any Scheduled Bank / Banker's Cheque of any scheduled bank / Demand Draft of any scheduled bank / Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. (Annexure II.2) In case a fixed deposit receipt of any Bank is furnished by the TPQA/QC to IIMM as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the TPQA/QC and the TPQA/QC shall forthwith on demand furnish additional security to the IIMM to make good the deficit.
- b) The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 60 days beyond that. In case the time for completion of work gets extended, the TPQA/QC shall get the validity of Performance Guarantee extended to cover such extended time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the TPQA/QC, without any interest. Further, Performance Guarantee will be released within 30 days after successful handing over of the work by the contractor.
- c) The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which the IIMM is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
- d) Failure by the TPQA/QC to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
- e) Failure by the TPQA/QC to pay IIMM any amount due, either as agreed by the TPQA/QC or determined under any of the Clauses/Conditions of the agreement, within 30 days of the serving of notice to this effect by Engineer-in-Charge.
- f) In the event of the contract being determined or rescinded on account of default on the part of TPQA/QC under provision of any of the Clause/Conditions of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the IIMM.
- g) The TPQA/QC throughout the contract period shall perform with due diligence and

proper application of mind and good faith all the activities covered under the scope of assignment. Upon determination of any failures/lapses attributable to the TPQA/QC in this regard **such as non-deployment of technical staff, delay of completion** or causes financial or any other damage in the interest of IIMM, by breach of any of the terms of TPQA/QC contract. IIMM shall after issue of 10 days' notice shall encase partly or fully, at its own discretion, the Performanceguarantee. Upon the action of IIMM the TPQA/QC shall completely or partly forfeit the performance guarantee amount at the sole discretion of Director IIMM whose decision shall be final and binding, and the same shall be absolutely at the disposal of IIMM.

Retention Money/Security Deposit

The Engineer-in-Charge shall retain 5% (Five percent) of the gross amount of each RA bill/invoice submitted by the TPQA/QC as retention money. The retention money shall be released to the TPQA/QC after the successful completion of the defect liability period of the contractor as certified by the Engineer-in-Charge and subject to the fulfillment of all contractual obligations.

In case of any defects or deficiencies in the work executed by the TPQA/QC, the Engineer-in-Charge shall be entitled to withhold the retention money or a portion thereof until such defects or deficiencies are rectified to the satisfaction of the Engineer-in-Charge.

5.29. Relation between the Parties

The TPQA/QC accepts the relationship of trust and confidence established between him and IIM Mumbai by this Agreement. He covenants with IIM Mumbai to furnish his best skills and judgement and to co-operate with the ENGINEERS/ARCHITECTS in furthering the interests of IIM Mumbai. He agrees to furnish efficient business administration and superintendence and to use his best efforts to complete all the project in the best and soundest way and in the most expeditious and economical manner consistent with the interests of the IIM Mumbai. The TPQA/QC, subject to this Agreement, has complete charge of Personnel performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

5.30. Transfer of interest

So long as the Agreement subsists, the TPQA/QC Consultant shall not assign, sublet or transfer their interest in this Agreement, without the written consent of the Institute.

5.31. Office Space for TPQA/QC Consultant

The TPQA/QC consultant is to make its own arrangements for office space, Computer, Software & Hardware and transport vehicle. The cost towards the same shall be part of financial bid.

5.32. Price Variation / Escalation

No claim on account of any Price Variation / Escalation on whatsoever ground shall be entertained at any stage of works. The percentage as per Bid quoted by TPQA shall be firm and fixed for entire contract period as well as extended period for completion of the works. No escalation/price variation clause shall be applicable on this contract.

5.33. Validity of agreement

The validity period of the agreement is initially for (phase I) 36 months & can be extended further based on the performance of the party on mutually agreed terms & conditions. IIM Mumbai's decision in this regard shall be final & binding.

This agreement may be extended by IIM Mumbai maximum until the completion of works or 36 months whichever is later. In case the engagement period goes beyond 36 months, the provision of additional payment (over and above quoted rate) shall be made as per the actual expenditure on manpower mutually agreed by both the parties.

Note: Further, Institute reserves the right to reduce number of manpower during extended completion period and payment shall be reimbursed for reduced manpower.

The services of a TPQA Consultant shall be required up to the actual completion execution of work, taking over of the assets by IIM Mumbai and finalization of the final bill.

Extension of Time: Any period during which a party shall, pursuant to this contract complete any action or task shall be extended for a period equal to the time during which such party was unable to perform such action as a result of Force Majeure or for reasons not attributable to such Party. Also, extension of time will be given to TPQA Consultant, if the execution of the work continues beyond the stipulated date(s) of completion.

5.34. Article 1: Commitment of the Principal/Owner

- a) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
- b) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- c) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
- d) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- e) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

5.35. Article 2: Commitment of the Bidder(s)/Contractor(s)

- a) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the IIMM / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

- b) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
- c) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
- d) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
- e) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- f) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
- g) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- h) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- i) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
- j) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

5.36. Article 3: Consequences of Breach

- a) Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:
- b) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after

giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

- c) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- d) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

5.37. Article 4: Previous Transgression

- a) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- b) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- c) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

5.38. Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- a) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.
- b) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- c) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/ Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

5.39. Article 6- Duration of the Pact

- a) This Pact begins when both the parties have legally signed it. It expires for the Bidder with the tenure of the Contract.
- b) If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, IIMM.

5.40. Article 7- Other Provisions

- a) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.
- b) Changes and supplements need to be made in writing.
- c) If the Bidder is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- d) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- e) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

5.41. Article 8- Legal and Prior Rights

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....

(For and on behalf of Principal/Owner)

.....

(For and on behalf of Bidder/Contractor)

WITNESSES:

1
(signature, name and address)

2
(signature, name and address)

Place:

Dated:

(END OF SECTION – II)

SECTION – III: SCOPE OF SERVICES

1. Detailed Scope of Work of TPQA/QC Consultant:

The TPQA/QC services shall be incorporated for all Civil, MEP, furniture, equipment and other allied works required for completion of project.

- 1.1. The TPQA/QC shall include detailed review of estimates / DPR submitted by PMC / Architect / Consultant of IIM Mumbai for new infrastructure & old infrastructure works, review of every aspect of quality & certification of quantity executed before processing of RA Bills / Final Bills & other works related to above activities from time to time as required by IIM Mumbai.
- 1.2. The scope of present RFP is to monitor that above construction is carried out as per the processes, sequencing, and quality control measures mentioned in the agreement between PMC / IIM MUMBAI/IIM Mumbai and the construction agency, and Quality Assurance Plan submitted by construction agency which includes Work Method Statement, Checklists for execution of various items etc. TPQA/QC Consultant will review the Quality Assurance plan and offer suggestion/ comments, if any, for corrective measures.
- 1.3. During construction, undertake inspection of site on regular basis and submit periodic (Monthly) Quality Assurance reports as per Annexure-11. These reports should highlight any non-conformity, deviation and shortfalls in the processes, sequencing, method of statements and decisions taken during meeting with respect to quality of material, workmanship and progress of work.
- 1.4. The TPQA/QC Consultant shall monitor the project management schedule with respect to the milestones defined in the contract agreement between PMC / IIM MUMBAI and construction agency. Any delay shall be brought to the notice of IIM, Mumbai well in time so that a corrective action can be taken.
- 1.5. The TPQA/QC Consultant shall be responsible to inform about the progress of the work to IIM Mumbai at every stage of construction. The selected TPQA/QC Consultant shall attend weekly meetings (and more frequently if needed) with IIM Mumbai, PMC / IIM MUMBAI, contractors and highlight concerns raised in the inspection reports.
- 1.6. Apart from the specific activities as described above, the TPQA/QC Consultant shall also advise IIM Mumbai on the implementation and compliance of acceptable sound environment friendly practices on control of dust, noise, water, air and soil pollution due to construction activities, safety and security and hygiene at the construction sites etc.
- 1.7. TPQA/QC Consultant will check the quality of material, quality of workmanship and finishing at all stages of construction. This includes but not limited to the inspection of the following.
 - i. **Dimensional and geometrical integrity:** Works that are dimensionally inaccurate or out of line and level
 - ii. **Material and system integrity:** Inspecting performance standards as applicable for materials, components (such as window-systems/door systems, tiling, fixing protocol for fittings etc.)
 - iii. **Performance and constructional integrity at junctions where two different materials meet:** Junctions between two elements (for example, expansion joints, joints where false ceiling meets civil edge or frame meets wall etc.
 - iv. **Visual and textural integrity of each material and surface:** Any foreign materials deposit, defacement of surfaces, blemishes on any surface/component/material (Cement on tile/paint on window frame/ scratches on window/blemish on stone etc.).
 - v. **Materials and its specification:** Any material being used at the sites shall be as

per specification of the contract as well as functionally useful for the purpose.

- 1.8. TPQA/QC Consultant shall intimate IIM Mumbai and PMC / IIM MUMBAI if any instances of deviations from accepted quality of construction materials, workmanship and general quality of works at appropriate stages of construction. Matter of serious concern which may have perpetuating effect shall be intimated on the same date of observation as per format at Annexure-12.
- 1.9. Materials for which field-testing equipment is established at site, for those material 90% of the total test shall be done at the laboratory established at site by the construction agency and remaining 10% in outside laboratories. All samples of materials including cement concrete cubes shall be taken jointly by contractor in presence of PMC / IIM MUMBAI of which at least 50% of sample shall be taken and tested in presence of TPQA/QC Consultant at field laboratory and related entries in test registers to be signed also. This 50% test of samples shall be witnessed for each item on daily basis. In case of doubtful results from field equipment, TPQA/QC Consultant may recommend for independent Lab testing of any specific lot of materials to IIM Mumbai and PMC / IIM MUMBAI. The Manufacturer's Testing Certificates of all the items shall also be reviewed by TPQA/QC Consultant.
- 1.10. Sampling for the outside lab testing shall be sealed jointly by the Representative of Contractor, PMC / IIM MUMBAI and TPQA/QC Consultant and forwarding letter shall be given to the contractor by PMC / IIM MUMBAI who will carry the sample and submit to the laboratory. TPQA/QC Consultant will review all test reports coming from outside approved laboratory and offers comments, if any.
- 1.11. TPQA/QC Consultant shall ensure that execution of work is carried out with sound engineering practice and laid down procedures as per PMC / Architect Specifications with up-to-date correction slips. TPQA/QC Consultant will also randomly check the workmanship and methods adopted for completing the activities of work by construction agency and any shortcoming will be informed by the TPQA/QC Consultant for rectification. For Assurance of workmanship, at least 25% of checklists of individual items as per Quality Assurance plan are to be witnessed and signed by the TPQA/QC Consultant also.
- 1.12. In case of any practical difficulty in achieving desired specifications, remedial action will be suggested by TPQA/QC Consultant. While rejecting any work because of substandard quality of material or workmanship and finishing, remedial action will also be suggested by TPQA/QC Consultant which is not limited to dismantling and redoing the work but also includes structural strengthening or other methods.
- 1.13. In addition to the above specific quality testing required by IIM Mumbai for any of the work or material shall be carried out the next working day of requisition and report shall be furnished as soon as possible preferably the next working day of completion of the requisitioned test. The testing charges will be borne by IIM Mumbai.\
- 1.14. Post construction completion: Undertake final inspection and declare the construction of the building / services fit for use with the intended level of workmanship and finishes. Ensure accuracy of as-built drawings submitted by the contractor.
- 1.15. TPQA/QC Consultant will submit a Time-lapse video/photography of the construction activity for the whole duration (time from start of construction to the completion of construction) of the construction for each of the buildings and services of IIM Mumbai Permanent Campus. TPQA/QC Consultant should make sure that the frame interval should be of 24 hours or less.
- 1.16. The team of TPQA/QC Consultant on the role of it, will comprise of the following at the minimum:

S. No.	Designation	Min. Qualification	Min. Relevant Experience	No	Min. Inspection Schedule
1	Team Leader	B.E./B-Tech in Civil	10 years	1	To be posted at site
2	Engineer (Civil) QA/QC	Degree Diploma in Civil Or B.E. Civil	Diploma - 08 years or B .E – 05 years	1	To be posted at site
3	Engineer (MEP)- QA/QC	B.E.Electrical/ Mechanical	B .E – 05 years	1	To be posted at site
4	Material Engineer- QA/QC	Diploma in Civil	5 Years	1	Full time To be posted at contractors laboratory
5	Estimation Engineer (Civil)	B.E. / B.Tech Civil	7 Years in Building works	1	As and when rerquired
6	Estimation Engineer (MEP)	B.E. / B.Tech in Mechanical/ Electrical	7 Years in Building works	1	As and when rerquired

Note: -

- ii. Attendance register for TPQA/QC team to be deployed at site to be maintained in the office of IIM Mumbai.
 - iii. In case, additional work is assigned as per Clause 10 of Section-II then additional manpower shall be deployed on mutual agreement.
 - iv. Appointment of manpower by the TPQA/QC will require assessment and approval of IIM Mumbai.
 - v. The Project Director/Top management shall visit at the frequency not less than once per Month. Further he shall be available at site on call within 24 hours.
- 1.17 The TPQA/QC Consultant shall be responsible for accuracy of service provided by them. For the work the advice and/or opinion, if any, provided shall be with documentary proof of standards/laws/codes etc. However, the role of TPQA/QC Consultant is advisory in nature and final decision for execution of work will be of the Engineer-in-charge, PMC / IIM MUMBAI.
- 1.18 TPQA/QC shall submit non-compliance report to IIM Mumbai on regular basis and advance copy of same may also give directly to executing agency.
- 1.19 The construction is envisaged to achieve a Five Star GRIHA rating. The TPQA/QC shall monitor all GRIHA related activities and submissions.**
- 1.20 The TPQA/QC Consultant shall submit monthly reports as per the format given in Annexure-11 after award of work. The report shall contain information about the inspections done by TPQA/QC Consultant in relation to the construction work. However, if TPQA/QC Consultant finds any anomaly/ discrepancy which need immediate attention, it should be reported to IIM Mumbai on the same day as per the format given in Annexure-12. In addition to this, TPQA/QC Consultant will deliver

presentation in every 30 days to summarize the activities and inspection done. TPQA/QC Consultant shall also be responsible to provide the solution/suggestion of the anomaly/discrepancies observed during the inspection. In order to make sure the timely schedule of the construction, TPQA/QC Consultant shall provide the solution/suggestions for the discrepancies within three days of the observation.

- 1.21 All reports, presentations and other documents to be submitted in fulfilment of the scope of services, shall be as following.
- 1.22 Three sets of printed copies, soft copies in the formats and scales as directed from time to time by the Institute or its authorized representative.
- 1.23 All documents, reports and any other documents submitted in fulfilment of the scope of services shall be prepared strictly as per provisions and guidelines issued by the IIM Mumbai, and also in accordance with the best practices and codes as applicable to such development.
- 1.24 The Team Leader shall inspect the site regularly and submit its report as per format in Annexure-11.

2. Deleted

3. Schedule of Payment

3.1 Payment for TPQA/QC will be made commensurate to the payments made to the construction agency engaged by PMC / IIM MUMBAI.

S. No.	Activity	% of Total Quote Fees
1	Pre-Construction Activities upto award of work (for checking of all estimates & other similar works etc.)	5 % quoted fees on Total value of Tended Cost
2	Financial progress of Contractor.	85 % of quoted fees on RA Bill of Contractors
3	Upon Completion of Defect liability Period of total work.	10% quoted fees on Total cumulative payment of Contractors

- 3.2 Value of work for calculation of fee payable to TPQA/QC shall exclude the following.
- i. Escalation due to change in labors rate/material/time delay, etc. shall not be part of work done.
 - ii. Statutory charges to obtain various approvals.
 - iii. Contributions of ESI/EPF payable to workers.
 - iv. Contingencies, etc.

3.3 The payment shall be made to the TPQA/QC Consultant based on fulfilment of obligations as per the agreement. The rates are inclusive of all charges but exclusive of GST. However, Government taxes as applicable shall be deducted at source on the amount paid at the prevailing rates. IIM Mumbai shall issue a certificate of tax deducted at source (TDS) in due course of time if required by TPQA/QC Consultant.

4. Compensation for deficiency in services

4.1 In event of total default/failure by the TPQA/QC Consultant in providing the services, IIM Mumbai reserves the right to get the services executed by any other party at the risk and cost of the TPQA/QC Consultant. The following activities shall attract compensation which shall be deducted from the scheduled bill for consultancy services:

S.N.	Activities	Compensation
1	Report Submission	If there is any delay in submission of reports, IIM Mumbai may impose a penalty by deducting upto 0.1% of Contract Amount per report per week of delay. (Maximum 0.25% of the Contract Amount per report)
2	Absent from duties	For any reason whatsoever, if any team member remains absent from duty for a cumulative period of more than 15 working days in a year or more than 5 working days at one time, the TPQA/QC Consultant shall deploy personnel of equal or higher qualification and experience under the intimation to IIM Mumbai. In event of the failure of the Consultant to do so, deduction of per day penalty as specified in the para 4.2 of section-III in RFP for the duration and the member being absent.
3	Conduct quality control measures and QA	The IIM Mumbai may conduct independent quality monitoring and checking of works carried out by construction agency and quality assured by TPQA/QC Consultant. If such checks disclose that works do not meet the specified requirement, IIM Mumbai will not pay TPQA/QC Consultant for the affected portion. In addition to that IIM Mumbai will impose a penalty up to 10% of Contract Value and without entitlement to payment of further fees in this scope of work. The Institute may at its own discretion discontinue with the TPQA/QC Consultant and forfeit the performance guarantee in such cases.
4	Performance of the team members	If the service of any team member provided by the TPQA/QC Consultant is not acceptable to the IIM Mumbai, TPQA/QC Consultant to be obliged to replace the team member within 07 days of given such notice. If TPQA/QC Consultant fails to quickly deploy/ replace a team member as instructed, IIM Mumbai may make temporary arrangement. The temporary deployment/replacement of person shall be paid by IIM Mumbai with commensurate reduction of 1.5 times payments made by IIM Mumbai from the fee payable till TPQA/QC Consultant provides an acceptable replacement/ team member.
5	Checking of As built drawings	If any discrepancies are found in the as-built drawings after checking by the TPQA/QC, 5% of contract value shall be deducted from fee payable to TPQA/QC Consultant.

4.2 Penalty for unauthorized Absence from duties.

S. o.	Designation	Per person Per day Penalty in Rs.
1	Team Leader	15,000/-
2	Engineer (Civil) to be posted at site	7,500/-
3	Engineer (E&M) to be posted at site	7,500/-
4	Material Engineer	4,500/-

5. Effectiveness and duration of the agreement

Contract will commence from 7th day of issue of the work order and will remain effective till the actual completion of the work.

(END OF SECTION – III)

SECTION – IV: ANNEXURES AND FORMS

This section provides letter of transmittal, criteria for evaluation, various forms, formats for monthly TPQA/QC reports and intimation of deviations and draft agreement that the selection bidder will have to sign with IIM Mumbai.

Bidders are required to carefully examine them and ensure compliance to all submittals that they need to provide along with their bid proposals.

Annexure 1: Letter of transmittal

From: -

**To,
Chief Administrative Officer,
IIM Mumbai**

Subject: Selection of Third Party Quality Assurance & Quality Control (TPQA/QC) Services for Various Construction Works at Indian Institute of Management, Mumbai, Vihar Lake Road, Powai, Mumbai 400087.

Sir,

Having examined details given in bid document for the above work, I/we hereby submit the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed forms, namely FORM-A, B, C, C-1, D, E and E-1 and accompanying statement are true and correct.
2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/we submit the requisite certified solvency and authorize CAO, Indian Institute of Management, Mumbai, Vihar Lake Road, Powai, Mumbai 400087. to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize Superintending Engineer, Indian Institute of Management, Mumbai, Vihar Lake Road, Powai, Mumbai 400087, to approach individuals, employers, firms and corporation to verify our competence, work experience, and general reputation.
4. I/we also declare that our firm is not subjected to any disciplinary action by any central government body/institute/organization or Hon'ble court or debarred from practice during the last 5 years as on the date of this letter.
5. I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following works.

	Name of work	Certificate from
1.		
2.		

(add as many rows as needed)

Certificate

It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I/We shall be liable to be debarred, disqualified/ cancellation of enlistment in case any information furnished by me/us found to be incorrect.

Enclosures:

Date of submission:

Seal and Signatures of bidder.

Annexure 2: Guidelines for submission of online bid proposals

The bidders are required to carefully understand and be ready for the online bid proposal submission prior to the actual submission. For any help in this regard, the bidders can visit <http://eprocure.gov.in/eprocure/app>, the central public procurement portal.

A bidder is required to register for any online bidding process. If a bidder is not already registered, the following steps can be carried out at any point in time. A bidder once registered can participate in several biddings on the central public procurement portal.

1. An unregistered bidder should enroll (free of any charge) on the e-Procurement module of the portal by clicking Online Bidder Enrolment link on the home page.
2. Bidder shall be required to choose a unique username and password for the account so created. They will be required to provide a valid email address and phone number as part of the registration process. These shall be used for any kind of communication including sending emails, OTP, SMS etc. by the central public procurement portal.
3. Bidders must also register their X.509 certificate applicable for digital signatures (normally known as DSC, or digital signature certificates). These certificates can be obtained by the bidder through any of the Certifying Authority as per the policy of the Govt. of India and IT-Act. More detailed information is also available at the portal. A bidder can only register one certificate for each unique registration.
4. The corresponding private key (in the form of eToken or any other mechanism) may be used by the bidder to log in to the portal securely and authenticating himself through login id and password.

The bidder can search for any tender. For tenders from IIM Mumbai, he can find the list of tenders through tenders by organization button on the left side of the portal home page. The bidder can then choose the name of the organization as “Indian Institute of Management Mumbai” to view the tenders and to submit their bid proposals.

Prior to submission of the bid, the bidder must scan all the documents, sign the PDF files digitally. Alternately, the documents in different files (as mentioned in this RFP) may be printed, signed and then scanned in the PDF format. The bidder must also ensure that he has registered his DSC on the portal a-priori.

Annexure 3: Criteria for evaluation of the performance of bidder for pre-eligibility

Sr. No.	Evaluation Criteria	Maximum marks (out of 100) Evaluation																																								
1	Financial Strength (max 10 marks) Average Annual Turnover for TPQA/QC services work.	a) Between 300-499 Lakhs - 05 Marks b) From 500 to 699 Lakhs - 08 Marks c) 700 Lakhs & above - 10 Marks																																								
2	Solvency Certificate (5 marks)	5 Marks																																								
3	Bidder Shall Have Positive Net Worth for Last 3 Financial Year	5 Marks IF not 0 Marks																																								
4	Experience in similar class (Completed) (Work of Quality Assurance Consultancy services) of work.	5 Marks for each completed project (Maximum 10 Marks) as per clause 3.7																																								
5	Experience in similar class (Ongoing/Completed) (Work of Quality Assurance Consultancy services) of work.	a) Upto 2 Projects – 12 Marks b) 3- 5 Projects - 16 Marks c) Above 5 Projects- 20 Marks																																								
6	NABL Accredited LAB	Own Laboratory- 10 Marks IF not available-0 Marks																																								
7	Key Personnel (Max. 20 Marks)	<table border="1"> <thead> <tr> <th>Personnel</th> <th>Experience</th> <th>Desired</th> <th>Minimum Required</th> <th>Marks</th> <th>Maximum Marks</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Civil Engineer (Degree holder)</td> <td>10 Years</td> <td>2</td> <td>1</td> <td>2 marks each</td> <td>4 marks</td> </tr> <tr> <td>5 years</td> <td>4</td> <td>2</td> <td>0.5 marks each</td> <td>2 marks</td> </tr> <tr> <td rowspan="2">Electrical Engineer (Degree holder)</td> <td>10 Years</td> <td>2</td> <td>1</td> <td>2 marks each</td> <td>4 marks</td> </tr> <tr> <td>5 years</td> <td>4</td> <td>2</td> <td>0.5 marks each</td> <td>2 marks</td> </tr> <tr> <td>Architect</td> <td>5 years</td> <td>2</td> <td>1</td> <td>1 marks each</td> <td>2 marks</td> </tr> <tr> <td>Civil/Mechanical/ Electrical Engineer</td> <td>5 years</td> <td>12</td> <td>8</td> <td>0.5 marks each</td> <td>6 Marks</td> </tr> </tbody> </table>	Personnel	Experience	Desired	Minimum Required	Marks	Maximum Marks	Civil Engineer (Degree holder)	10 Years	2	1	2 marks each	4 marks	5 years	4	2	0.5 marks each	2 marks	Electrical Engineer (Degree holder)	10 Years	2	1	2 marks each	4 marks	5 years	4	2	0.5 marks each	2 marks	Architect	5 years	2	1	1 marks each	2 marks	Civil/Mechanical/ Electrical Engineer	5 years	12	8	0.5 marks each	6 Marks
Personnel	Experience	Desired	Minimum Required	Marks	Maximum Marks																																					
Civil Engineer (Degree holder)	10 Years	2	1	2 marks each	4 marks																																					
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Architect	5 years	2	1	1 marks each	2 marks																																					
Civil/Mechanical/ Electrical Engineer	5 years	12	8	0.5 marks each	6 Marks																																					

Sr. No.	Evaluation Criteria	Maximum marks (out of 100) Evaluation					
		(Diploma/Degree Holder)					
8	Power Point Presentation (to be evaluate by a committee appointed by IIM Mumbai) (Max. 20 Marks)	<ul style="list-style-type: none"> Understanding of Project and overall plan, including deployment of key personals. (3 Marks) Method Statement proposed for the given detailed Scope of Services defined in RFP. (4 Marks) Proposed Methodology and Software applications to track various project components delivery, resources and material deployments. BIM Software experience of handling models for the software as mentioned in this RFP. (5 Marks) Innovative methods for QC proposed to make the monitoring efficient and effective. (5 Marks) Any additional services offered. (3 Marks) 					

Note:

- 1) Bidders securing Minimum qualifying marks i.e. 75 out of 100 marks (including marks in presentation shall be qualified for opening of financial bid).
- 2) The final selection shall be on QCBS methodology explained earlier.
- 3) The project manager shall deliver the presentation who will be heading the project.

Annexure 4

Form 'A': Financial information

(on Bidder's Letter Head or Letter head of chartered Accountant)

Name of the Bidder:

1. Financial Analysis: Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the Five years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Years	Gross Annual turnover	Profit/Loss (After Tax)
2019-2020		
2020-2021		
2021-2022		
2022-2023		
2023-2024		

2. Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant (with Seal)

Signature of Bidder(s) (with Seal)

Unique Document Identification Number (UDIN)

Note: (i) Original Signature with Stamp of CA is Mandatory.

(ii) Yearly financial Turnover and Audited Balance Sheet for Last 5 (Five) years ending on the financial year 2023-24 duly certified by Chartered Accountant should be attached.

Annexure 5
Form 'B': Form of solvency

BANKERS' CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s./Shri..... having marginally noted address, a customer of our bank are / is respectable and can be treated as good for any engagement up to a limit of Rs..... (Rupees.....only).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

Name & Designation
Seal & Signature for the Bank

NOTE:

- (1) Bankers certificate should be on letter head of the Bank, addressed to the Superintending Engineer, Indian Institute of Management Mumbai.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.
- (3) This certificate is to be provided by all bidders, i.e. sole bidder or both bidders in case of consortium.

Annexure 6

Form 'C': Details of similar works

(only those works should be reported which are similar in nature of works and are completed during the last seven years ending previous day of last date of submission of Bid Proposal)

S. No.	Name of work /project and location	Name of Client	Cost of Project in INR (Cr.)	Cost of Quality Assurance consultancy work in INR Cr.)	Date of commencement Work	Stipulated date of completion	Actual date of completion	Name, address/ email id & telephone No. of officer to whom reference may be made

(add as many rows as needed)

Seal and Signature of Bidder(s)

Annexure 7

Form 'C-1': Projects under execution

S . N o .	Nam e of wor k/ proj ect and loca tion	Owner or spons oring organi zation	Cos t of wor k/ Proj ect in crore s of Rup ees	Cost of Quality Assura nce consul tancy work	Date of commen cement of QA consulta ncy work as per contract	Stipula ted date of compl etion of QA consul tancy work	Perce ntage of fees receiv ed	Name and Address (Postal Address & E- mail) / telephon e number/ Mobile number of officer to whom referenc e may be made	Rem arks

(add as many rows as needed)

Seal and Signature of Bidder(s)

Annexure 8

Form 'D': Performance report of works referred to in Form- 'C' and Form-'C-1'

(To be filled by an officer of the client not below the rank of the executive engineer. To be filled one sheet for each work)

- (1) Name of work/project and location:
- (2) Project Cost:
- (3) Name of Consultant for Quality Assurance Consultancy work:
- (4) Total fees for Quality Assurance Consultancy work as per agreement:
- (5) Date of start of QA Consultancy work:
- (6) Stipulated Date of completion of QA Consultancy work (for projects under execution), or Actual Date of completion of QA Consultancy work (For completed work):
- (7) Total Consultancy fees paid as on date.
- (8) Performance Report considering Technical proficiency, Quality of inspection and General Behaviour: **Outstanding/Very Good/Good/Satisfactory/poor**

Dated:

Seal/Stamp with Signature of Executive Engineer or Equivalent officer of the organization where the service was provided.

Annexure 9

Form 'E': Structure and organization

1	Name and Address of the bidder	
2	Telephone No. / Email id /Mobile No./Fax No.	
3	Legal status of the bidder (attach copies of original document defining the legal status).	
	a) An Individual	
	b) A proprietary firm	
	c) A firm in partnership	
	d) A limited company or Corporation	
4	Particulars of registration with various Government bodies (attach attested photo-copy).	
5	Organization/Place Of Registration	Registration No.
	1	
	2	
6	Names and Titles of Directors & Officers with designation to be concerned with this work.	
7	Designation of individuals authorized to act for the organization.	
8	Has the bidder or any constituent partner in case of partnership firm limited company or Corporation ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.	
9	Has the bidder or any constituent partner in case of partnership firm/ limited company or corporation ever been convicted by the court of law? If so, give details.	
10	In which field of Civil Engineering Construction, the bidder has specialization and interest?	
11	Any other information considered necessary but not included above.	

Signature of bidder(s) with seal & stamp

Annexure 10

Form 'E-1': Format for furnishing CV of key personnel proposed to be engaged in the project

(Please attach one sheet per key person)

Position:			
Personnel information	Name	Date of birth	
Professional qualifications	Name of Degree	Name of college & University	Year of passing
Present employment	Name of Employer		
	Address of Employer		
	Telephone		Contact (manager / personnel officer)
	Fax		E-mail
	Job title		Years with present Employer

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	To	Company, Project , Position, and Relevant Technical and Management Experience

Project Experience

Name of Project	
Name of Client	
Duration (From- to) (MM/YY)	
Activities Rendered	

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

**Name of Personnel
Date**

Signature

**Name of authorized Representative of the Agency
Date**

Signature

Annexure 11

Format of monthly inspection reports by TPQA/QC Consultant

S. No.	Particulars	
1.1	(a) Name of work:	
	(b) Description/scope of work:	
1.2	(a) Sub-Division and name of Assistant Engineer:	
	(b) Division and name of Executive Engineer:	
	(c) Circle and name of Superintending Engineer:	
1.3	Name of Construction Agency	
	(a) Name of site in charge	
	(b) Name of Quality in charge	
1.4	Agreement no:	
1.5	Stipulated Time and date of start:	
1.6	Stipulated time and date of completion:	
1.7	Estimated cost put to tender:	
1.8	Accepted tendered cost :	
1.9	Percentage progress at the time of inspection vis- a-vis expected as per contract and reasons for delay, if any:	
1.1	Name of Third Party Quality assurance Consultant	
1.11	Inspecting Person: (Name & Designation)	
1.12	Officers and contractor present during inspection: (Name & Designation)	
1.13	Date/ Period of inspection and number:	
2	Quality Control aids:	
2.1	Is site equipped with:	
	(a) Copy of agreement:	
	(b) PMC / Architect Specifications/along with (up to date) correction slips:	
	(c) List of ISI marked/approved materials to be used:	
	(d) Testing facilities to check conformance to acceptance criteria:	
2.2	Is field laboratory existing and well equipped?	
3	Process control aspects:	
3.1	Is soil investigation done? (give brief details)	
3.2	Suitability of water for construction:	
	(a) What is the source of water?	
	(b) Has water been tested and approved by Engineer-in-charge before construction?	
	(c) Has water been tested subsequently (i.e. after every 3 months) and found fit for use in works?	
3.3	Are all mandatory tests carried out at stipulated frequency?	
3.4	Are sample units/items completed and approved by EE before start of mass finishing work?	

S. No.	Particulars	
3.5	Specific control on RCC work like functioning of batching plant, cantering/shuttering, proportioning with boxes: mixing by full bag capacity hopper fed mixer: control of slump: placing/compaction with vibrator:	
3.6	Any other particular comments on adequacy of process control:	
3.7	Safety aspects on construction site.	
3.8	Monitoring of GRIHA related activities and submissions.	
4	Site inspection for observations and comments on Quality Control system include but not limited to the following items:	
	<p>CIVIL (a) Earth work (b) Concrete work(c) RCC work (d) Brick work (e) AAC Block work (f) Stone work (g) Granite/Marble work (h) Wood work (i) Steel work (j) Flooring (k) Roofing (l) Finishing (m) Internal Services-Civil – Plumbing, Drainage, Sanitary Installations, (n) External Services-Civil- Water supply, Storm water drainage, Sewerage, UG Tanks, sewer line STP, landscaping, Road/pavement etc.</p> <p>E&M (a) Internal Electrical Installations, Fire Fighting system including Pumps and Motors, Fire alarm system, HVAC, Solar heating system, Lift, External electrification, Street Lights, Substation equipment's etc.</p>	
4.2	Observation on floor slope (especially in Bath, WC, Kitchen, Terrace, Balcony etc.)	
4.3	Observation on QC for dampness/leakages prevention. If dampness /leakages noticed, then state locations and probable reasons.	
4.4	Samples collected by TPQA/QC Consultant	
5	Observations on site material QC aspects. (Keeping in view the requirements of contract specifications: BIS marked/PMC approved products etc.) (Attached separate sheet, if required)	
6	Observations on workmanship QC aspects. (attached separate sheet, if required)	

Annexure 12

Format of intimating matter of immediate concern by TPQA/QC Consultant

S.	Particulars	
1.1	(a) Name of work:	
	(b) Description/scope of work:	
1.2	(a) Sub-Division and name of Assistant Engineer:	
	(b) Division and name of Executive Engineer:	
	(c) Circle and name of Superintending Engineer:	
1.3	Construction Agency	
	(a) Name of site in charge	
	(b) Name of Quality in charge	
1.4	Third Party Quality assurance	
1.5	Inspecting Person: (Name &	
1.6	Officers and contractor present during (Name & Designation)	
1.7	Date of inspection and number:	
2	Concern Related to Quality of Material	
	Details of Location and material,	
3	Concern Related to workmanship	
	Details of Location and item, Description of workmanship concern	

Annexure 13

Draft agreement for award of project

(The contents of this draft agreement and the scope of work mentioned are indicative and IIM Mumbai reserves its rights to modify the contents.)

This AGREEMENT is made and executed on this <<DD>> Day of <<MMM, YYYY>> at IIM Mumbai, Powai by and between

Indian Institute of Management, Mumbai an institute of national importance as per an amendment of the Institutes of Technology (Amendment) Act, 2012, of the Government of India, Maharashtra, India (hereinafter referred to in this document as IIM Mumbai, which expression shall unless repugnant to the context or meaning thereof be deemed to include its executors, administrators and assignees),

and

M/s <<TPQA/QC Consultant>>, a TPQA/QC Consultant, having its registered office at <<Address>> (hereinafter referred to in this document as TPQA/QC consultant, or as consultant, which expression shall unless repugnant to the context or meaning thereof be deemed to include its executors, administrators and assignees), represented by <<Designation>>, regarding TPQA/QC Services for construction Phase-2A buildings of campus of IIM Mumbai at Powai, on contract basis.

WHEREAS M/s <<TPQA/QC Consultant>> TPQA/QC consultant, during the course of its business, in response to the call from IIM Mumbai for submission of Request for Proposal (RFP) to provide Quality Assurance Services at IIM Mumbai Campus at Powai, Mumbai, submitted technical and proposal of services. IIM Mumbai negotiated with the consultant on various terms and conditions to provide the said services to IIM Mumbai for Phase 2A construction of the campus.

AND WHEREAS IIM Mumbai, the owner of IIM Mumbai's Campus, appointed M/s

<<TPQA/QC Consultant>> TPQA/QC consultant to provide TPQA/QC services for Phase 2A construction at IIM Mumbai campus at Powai.

AND WHEREAS M/s <<TPQA/QC Consultant>> TPQA/QC consultant agreed to undertake the Quality Assurance Services for Phase 2A construction of IIM Mumbai campus to the satisfaction of IIM Mumbai as per the terms and conditions stipulated by IIM Mumbai, and gave their unequivocal acceptance for the same.

AND WHEREAS IIM Mumbai accepts the offer of M/s <<TPQA/QC Consultant>> TPQA/QC consultant, and in pursuance of the same, this agreement is executed with the terms and conditions as set out hereunder, which shall be binding on the two parties hereto.

NOW, THEREFORE in consideration of various terms, covenants and conditions hereinafter contained, and the contents of Request for Proposal, the two parties hereto agree to the following.

9. The entire RFP Document along with all its annexures (RFP Notice No. RFP/IIMM/TPQA/QC/2024-25, dated Nov. 22, 2024) forms an integral part of this agreement. All provisions of the RFP shall be enforceable on the TPQA/QC Consultant. Any updates to this RFP document including those issued in response to the pre-bid meeting by IIMM shall also be

applicable on this contract/agreement. In case of any discrepancy between the RFP notice and subsequent clarifications, the provisions of the clarifications shall override the provisions of the RFP.

10. The bid proposal of the TPQA/QC Consultant, the subsequent documents submitted and/or presented by the TPQA/QC Consultant for its evaluation and any clarifications sought by IIM Mumbai including the response to those clarifications submitted by TPQA/QC Consultant shall also be part of this agreement.

Annexure 14

**FORMAT OF UNDERTAKING TO BE FURNISHED ON COMPANY LETTER HEAD
WITH REGARD TO BLACKLISTING/NON-DEBARMENT, BY CONTRACTING
AGENCY UNDERTAKING REGARDING BLACKLISTING / NON-DEBARMENT**

[To be submitted on Bidder's Original Letter Head]

Name of Bidder:

Subject: UNDERTAKING REGARDING BLACKLISTING / NON-DEBARMENT

we hereby confirm and declare that we, M/s. _____ is not blacklisted/
Deregistered/ debarred by any department/Public Sector Undertaking/Private Sector/or any
other agency for which we have Executed/Undertaken the works /Services during the last 5
years.

Yours faithfully,

Seal and Signature of Bidder(s)

Date:

Place:

Annexure 15

FORMAT FOR LITIGATION HISTORY, LIQUIDATED DAMAGES, DISQUALIFICATION

[To be submitted on Bidder's Original Letter Head]

Name of Bidder:

Subject: Litigation History, Liquidated Damages, Disqualification for ----- (Name of Work/Project)

It is hereby declared that our firm (Name of firm with address -----) neither disqualified, nor have any Litigation history and no Liquidated Damage imposed on the firm by any Department.

Yours faithfully,

Seal and Signature of Bidder(s)

Date:

Place:

Annexure 16

INTEGRITY PACT

To be signed by the bidder and same signatory competent/ authorized to sign the relevant contract on behalf of IIMM.

INTEGRITY AGREEMENT

This Integrity Agreement is made at _____ on this _____ day of _____, 2023

BETWEEN

Director IIMM represented through CAO (Hereinafter referred as the Principal/ Owner, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

_____ (Herein referred to as the Bidder/ Architect and which expression shall unless repugnant to the meaning or context hereof includes its successor and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for

_____(Name of work) hereinafter referred to as the "Contract".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Annexure 17

Format of Performance Bank Guarantee

(On legal paper)

In consideration of IIM Mumbai (hereinafter called "The Institute") having agreed under the terms and conditions of this Letter of Agreement No. dated made between The Institute and (hereinafter called "the TPQA service provider") for the work of providing Program Management Consultancy services for the proposed Infrastructure works for a period of 5 years in the campus of IIM Mumbai. (hereinafter called "the Letter of Agreement") having agreed to production of an irrevocable bank Guarantee for Rs. (Rupees only), as a guarantee from the TPQA service provider for compliance of his obligations in accordance with the Terms and Conditions in the said agreement, we (Indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Institute an amount not exceeding Rs. (Rupees only), on demand by the Institute.

We (Indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Institute stating that the amount claimed is required to meet the recoveries due or likely to be due from the said TPQA service provider. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. But, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only).

We, the Bank, further undertake to pay to the Institute any money so demanded notwithstanding any dispute or disputes raised by the TPQA service provider in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the TPQA service provider shall have no claim against us for making such payment. We (Indicate the name of the Bank) further agree that the guarantee contained herein shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Institute under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the Institute certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said PMC service provider and accordingly discharges this guarantee.

We (Indicate the name of the Bank) furthermore agree with the Institute that the Institute shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said TPQA service provider from time to time or to postpone for any time or from time to time any of the powers exercisable by the Institute against the said TPQA service provider and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said TPQA service provider or for any forbearance, act of omission on the part of the Institute or any indulgence by the Institute to the said TPQA service provider or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in the constitution of the Bank or the TPQA service provider.

We (Indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Institute in writing.

This guarantee shall be valid up to unless extended on demand.

Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only), and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

**Signed and sealed dated the day of the Year 2024 for
(Indicate the name of the Issuing Authority)**

(END OF SECTION – IV)

Annexure 18

MANDATORY TESTS

NOTES:

1. The mandatory tests shall be carried out when the quantity of materials to be incorporate in the work exceeds the minimum quantity specified.
2. Optional tests specified or any other tests shall be carried out in case of specialized works or important structures as per direction of the Engineer-in-Charge.
3. Testing charges, including incidental charges and cost of sample for testing shall be borne by the contractor for the mandatory tests.
4. Testing charges for optional tests shall be reimbursed by the Department with prior written permission taken. However, the incidental charges and cost of sample for testing shall be borne by the contractor.
5. In case of non-IS materials & non approved vendor, it shall be the responsibility of the contractor to establish the conformity of material with relevant IS specification by carrying out necessary test. Testing charges including incidental charge and cost of sample for testing shall be borne by the contractor for such tests.

THE MANDATORY TESTS SHALL BE AS FOLLOWS

Sr.No.	Inspection and Testing	Field/ Lab test	Reference IS/ Document	Acceptance value/ limit	Minimum quantity of material /work for carrying out the test	Frequency of Testing / inspection	Responsible officer		Remark
							Contractor	Dept.	
1.	Water for construction purposes								
	Ph value	La b	IS-456 IS-3025	≤ 6	Major works involving substantial Qty. of Concrete & C.M.	Water from each source once in a year.			May be dispensed with if potable Water / BMC water used at discretion of EIC
	Limits of Acidity			to neutralize 100ml samples > 5 ml of 0.2 of normal NaOH					
	Limits of Alkalinity			≤ 25ml of 0.02 normal H ₂ SO ₄					
	Percentage of solids Organic			200 mg/1					
	Inorganic			3000mg / 1					
	Chlorides (as Cl)			500 mg/for RC					
	Sulphates (as SO ₂)			400 mg/1					
	Suspended matter			2000mg/1					
2.	Cement- 43/53/PPC				Each fresh lot	Every 50 MT or part thereof			
2.A)Physical Properties	Normal consistency	La b							
	Initial setting time		IS-4031 part 5	< 30min					
	Final setting time		IS-4031 part 5	> 600 min					
	Compressive strength at 3 days		IS-8112 for 43	23 /27/16 MPa					
	Compressive strength at 7 days		IS-12269 for 53	33/37/22 MPa					

	Compressive strength at 28days		IS-1489-I for PPC	43/53/33 MPa				
	Soundness by Le Chatelier method		IS-4031 part 3	Max 10 mm				
	Soundness by Auto Clave method		IS-4031 part 3	Max 0.8%				
	Fineness by Blains air permeability method		IS-4031 part 2	Min 225 m ² /kg 225/300 m ² /kg				
	Specific gravity							
2B) Chemical Properties	1.Chemical composition	La b	IS-4032	Refer Remark				For Safety related Structure at discretion of EIC, Specifically mentioned in the contract.
	1.a)Ratio of % of Lime to silica							
	1.b) Ratio of % of Alumina to Iron oxide							
	1.c) Insoluble Residue							
	1.d) Total sulphur content							
	1.e) Total loss on Ignition							
	1.f) Alkali content as Na ₂ O Equ.							
	1.g) Chloride content							
	1.h) C3A Content							
3. Fly Ash								
3A) Physical Properties	1.Fineness- specific surface			Min-320 m ² /Kg		100 MT/1 month which ever is earlier		To be conducted for High Volume Fly Ash Concrete
	2.Partical Retained on 45 micron			Max20%		*100 MT/Part there of on Daily Basis whichever is earlier		
	3. Lime Reactivity av. Compressive strength			Min 4.5 N/mm ²		1000 MT/1 Month whichever is earlier		

	4. Compressive strength at 28 days					1000 MT/1 Month which ever is earlier		
	5. Soundness by auto test expansion in % max.					1000 MT/1 Month whichever is earlier		
	6. Moisture content					*100 MT/Part there of on Daily Basis whichever is earlier		
3 B) Chemical properties	1. Silicon Dioxide+ Alu. Oxide+ Iron Oxide(Fe ₂ O ₃) by % mass					1000 MT/1 Month whichever is earlier		To be conducted for High Volume Fly Ash Concrete
	2. Silicon Dioxide (SiO ₂) in % mass							
	3. Reactive silica in % in mass							
	4. Magnesium Oxide % by mass							
	5. Total Sulphur as sulphur trioxide (SO ₃) in % by mass							
	6. Available alkalies as sodium Oxide (Na ₂ O) in % by mass							
	7. Total chloride in % by mass							
	8. loss on Ignition by mass					Each *100MT or Part there off on daily basis which ever is earlier		
4	Coarse aggregate (Normal & Heavy)							
4A) Physical	a. Grading – Sieve analysis		IS-2386/IS-383	Table no.4.7 of Tech. Spec.	10 cu.m	Every 40 cum. Or part thereof and		

				IS-2386/IS-383					
	b. Flakiness index & elongation Index		IS-2386	Individual 15% Max		Once in a week			
	c. specific gravity SSD condition Normal aggregate		IS-2386	Min. 2.60		One sample Daily or 5000 cum concrete whichever is earlier			
	d. specific gravity SSD condition Heavy aggregate		NPCIL Specification	Min 4.65					
	e. Bulk density		As per CI-4.5.5.4.1 of Tech. Spec.	Ave 4.65 single value less than		10 cum			
	f. Moisture content		IS- 2386	Max 3%		One Sample Daily			
	g. surface moisture			--					
	h. Deleterious materials		IS-2386/IS-383	As per TS Table no.4.8/IS2386 /IS383 Max.5%	One test for each source	One test for each source			
	i. Soundness test		IS-2386	12% when tested with Na ₂ SO ₄ & 18% when tested with MgSO ₄		Once per source			
4. B Mechanical properties	a. Crushing value		IS-2386	Max 30% for Road Construction & Max.45% for Concreting Works		Once in six months or change in source			
	b. Aggregate impact Value								
	c. Abrasion Value								

4.c Geological properties	a. Petro graphic strained quartz analysis by weight		IS-3887 ASTM C295	Should be less than 20%		One sample for new source or change in source of aggregate			
5.	<u>Admixture</u>								
	Super plastsizer/Retarders		IS-9103						
6.	<u>Sampling & strength test of concrete</u>								
	a. Slump test/ compaction factor/ V B test for workability		IS-1199 IS-516		All Major Concrete Works	a) 20 cum. Part there of or more frequently as required by EIC. b) Every 5 Cum			
	a. Modulus of rupture by beam test		IS-1199 IS-516		Refer Remark				Discretion of EIC
	b. Cube test		IS-1199 IS-516		As per IS-456	a) every 20 cum of a day's concreting (Ref. as per frequency of sampling). b) Every 5 cum.			
	c. Accelerated cured cube test		IS 9013		Refer Remark				Discretion of EIC
	Ready Mix Concrete		IS-4925 IS-4926 IS-516 para6.2.3		50 cum	One for every 50cum of production or every 50 batches, whichever is the greater frequency			

7.	<u>Steel for reinforcement</u>	<u>Grade</u>	Fe 415	Fe415 D	500	Fe500 D	Fe550	Fe550 D	Fe600	Permissible max Variation	Responsible Officer		Remark
												Cont.	
Physical properties	a)Tensile strength		/ < 485	500	595	565	585	600	660				
	b) Retest		10% >	12% >	8% >	10%>	6% >	8%>	6%>				
	c) Re-bound test												
	d) Nominal mass												
	e) Bend test												
	Total Elongation at Max force		-	5	-	5	-	5	-				
	f) Elongation test												
Chemical properties	g) Proof stress 0.2%		415	415D	500	500D	550	550D	600				For every fresh lot of one truck or less as directed by the EIC.
	a) Carbon		0.300	0.250	0.3000	0.250	0.300	0.250	0.300	±0.002%	As per IS 1786		
	b) Sulphur		0.060	0.045	0.0055	0.040	0.055	0.040	0.040	±0.005%			
	c) Phosphorus		0.060	0.045	0.0055	0.040	0.050	0.040	0.040	±0.005%			
	d) Phosphorus & Sulphur		0.110	0.085	0.1050	0.075	0.100	0.075	0.075	±0.010%			

Note: For Physical Property Test:

Minimum quantity of material / Work for carrying out the test					Frequency of testing				
Below 100 Tonnes Dia < 10 mm :one sample for each 25 tonnes or part thereof If dia is >10mm but less than 16 mm: One sample each 35 Tonnes or part thereof. If dia >16 mm one sample for each 45 tonnes					Above 100 Tonnes Dia < 10 mm: one sample for each 40 MT or part thereof If dia is >10 mm but less than 16mm: One sample for each 45 tonnes or part thereof. If dia >16 mm one sample for each 50 tonnes				
S. N	Inspection & Testing	Field/Lab Test	Ref. IS/Docs	Acceptance Value/Limit	Minimum Qty. of material/work for carrying out the test	Frequency of Testing/ Inspection	Responsible Officer		Remark
							Contractor	Dept.	

8.	<u>Sand</u>								
a.	Bulking of Sand	Field			20 Cum.	Every 20 cu.m or part there of or more frequently as decided by EIC.			
b.	Silt content	Field	IS-383		20 Cum.	Every 20 cu.m or part there of or more frequently as decided by EIC.			
c.	Particle size and distribution	Field or Lab as decided by EIC.	IS-383		40 Cum.	Every 40 cum of fine aggregate / sand required in RCC. Work only			
d.	Organic Impurities	Field	IS-383		20 Cum.	Every 20 cu.m or part there of or more frequently as decided by EIC.			
e.	Chloride & sulphate content tests		IS-383/ Optional			Once in three months.			
9.	<u>Vitrified Ceramic Tiles</u>								
1.	Deviation in Length & Width			(+/-) 0.1%					
2.	Deviation in Thickness			(+/-) 4%					
3.	Straightness of sides			(+/-) 0.1%					
4.	Rectangularity			(+/-) 0.2%					
5.	Surface flatness			(+/-) 0.2%					

6.	Surface Quality			Min. 95%					
7.	Water Absorption			< 0.050 %- 0.08% max 0.1					
8.	Scratch hardness of surface (Mohr's Scale)			<u>≥ 6</u>					
9.	Flexural strength (Avg. MOR)			> 38					
10.	Breaking Strength			+> 1500 N					
11.	Resistance to Deep Abrasion			< 144 mm					
12.	Skid resistance (friction coefficient)			> 0.04					
13.	Bulk Density, in (g/cc)			> 2-2.2					
14.	Linear Thermal Expansion			6x10					
15.	Thermal Shock Resistance			No Damag e					
16.	Frost Resistance			Frost Proof					
17.	Resistance to chemicals			Resista nt					
18.	Resistance to Stains			Resista nt					

19.	Colour resistance to UV light			Resistant					
20.	Moisture Expansion			Nil					
10	<u>Water Proofing Compound</u>		IS-2645						
1.	Chloride content			<12% by mass					
2.	Comparative test for setting time								
3.	Comparative test for compressive strength								
4.	Permeability to water								
11.	<u>Natural Building Stone</u>		IS-1122 & 1124						
1.	Compressive Strength								
2.	Flexural Strength								
3.	Water Absorption								
4.	Specific Gravity								
12.	<u>Building Bricks</u>								
	1. Compression 2. Water Absorption 3. Efflorescence 4. Dimension	Lab	IS-3495 (Part- I to IV)		No of bricks to be selected & bricks lot 20 : 2001 to 10000	Permissible defective bricks in the sample 1			

					32 : 10001 to 35000. 50 : 35001 to 50000 20 : for every addl. 50000 or part thereof If < 2000, As per decision of the EIC.	2 3 1			
13.	<u>Terrazzo & Chequered Cement Concrete Tiles</u>		IS-1237 IS-13801						
	1. Water Absorption 2. Flexural Strength 3. Resistance to Wear 4. Dimension								
14.	<u>Concrete Core</u> <i>(Comp. Strength with core dressing & capping)</i>		IS-516						
15.	<u>Particle Board</u>		IS-3087						
1.	Modulus of Elasticity								
2.	Modulus of Rupture								
3.	Moisture Content								
4.	Swelling in Water								
5.	Tensile Strength								
6.	Density								

7.	Screw Withdrawal								
8.	Dimension								
16.	<u>Veneered Particle Board</u>		IS-3097						
1.	Density								
2.	Moisture Content								
3.	Water Absorption								
4.	Water Resistance Test								
5.	Swelling in Water								
6.	Adhesion of Plies								
7.	Static Bending Strength (Maximum Transverse Strength or Modulus of Rupture in Bending								
8.	Dejection Under Sustained Load (Long Time Loading Test)								
17.	<u>Timber</u>								
a.	Moisture	Field (by moisture	IS-287		1 Cum.	Every one Cum or part thereof			

		meter) Laboratory test as required by EIC.							
18.	<u>Flush Door</u>								
a.	End immersion test	Lab	IS: 2202 (Part 1) & Part II		26 shutters	As per sampling & testing as instructed by EIC.			
b.	Knife test	Lab	IS: 2202 (Part 1) & Part II		26 shutters	As per sampling & testing as instructed by EIC.			
c.	Adhesion test	Lab	IS: 2202 (Part 1) & Part II		26 shutters	As per sampling & testing as instructed by EIC.			
19.	<u>Aluminium door or window fittings</u>	Lab	IS: 5523		If the cost of fittings exceed Rs. 20,000/-	Rs. 20,000/- or part thereof as required by the EIC.			
20.	<u>Soil core test : OMC Proctor density</u>	Lab/Field	IS 12175		Two for every 50 sqm	As per para 1.10 & 1.11 of DCSEM Civil Specification			



Indian Institute of management Mumbai

Invites

**Third party Quality Assurance and Quality Control Consultancy-
for IIM Mumbai for the proposed development of infrastructure
works at IIMM**

Volume II

Price Bid

**Reference Number: RFP/IIMM/TPQA/QC/2024-25, dated Nov. 27,
2024**

Price Bid Invited by

Chief Administrative officer

Indian Institute of Management Powai, Mumbai 400076.

Price Bid

Preamble

- The quotation by the bidder shall be in the form of percentage of the Project Construction Cost of the all Civil, MEP & allied works including external development works that is proposed to be managed and executed over the contract period of 3 years
- Construction Cost shall be limited to the actual value of work to be paid to the execution agency. It will not include fees to be paid to the Architect / PMC.
- The initial Construction Cost is to be considered as Rs. 300 Crores which excludes GST component
- Price Bid Value shall be the percentage quoted multiplied by the project Construction Cost proposed to be executed over the stipulated period of the TPQA/QC contract.
- The quoted percentage rate and amount must be written both in figures and words
- The offer should be valid for a period of 4 months from the date of opening of the financial bid.
- In case the firm fails to deploy staff as per the table above, the penalty per month per staff will be imposed as indicated in RFP.

Format of Financial Bid

Name of Work: Providing Third Party Quality Assurance & Quality Control (TPQA/QC) Services for Various Construction Civil , MEP ,allied works including external development works at Indian Institute of Management, Mumbai.

Name of the Bidder/ Bidding Firm / Company :			
PRICE SCHEDULE (This BoQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)			
Sl. No.	Item Description	Percentage To be quoted by bidder	Amount Quoted in Words
1	Third party Quality Assurance and Quality Control (TPQA/QC) Consultancy- services including pre-project activities and post project activities, as per the detailed scope presented in RFP under Section-III as per the resources to be deployed as per RFP for construction Various Infrastructure (Civil, MEP & allied works) including external development & services witha total Construction Cost of Rs. 300 crores, The rate to be quoted is the percentage of the Project Construction Cost, excluding GST.		
Total in Figures			INR Zero Only
Quoted Rate in Words			

Mode of Submission of the Price Bid (Envelope 3)

The firm shall submit the price bid document as per the format given in the Annexure III. 1 of this document. The price bid shall be placed in a sealed envelope super-scribed "Envelop 3, Price Bid for the Third Party Quality assurance and Quality Control Consultancy services of IIM Mumbai ". Refer sectionof the RFP document to complete the submission.

Additional Requirements for the Winning Firm

IIM Mumbai reserves the right to negotiate the price with the winning agency. An agreement will be signed between IIM Mumbai and the Firm winning the Competition, before the work order is issued.