डॉक्टर हरीसिंह गौर विश्वविद्यालय, सागर (म.प्र.)
Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.)

(केन्द्रीय विश्वविद्यालय A Central University)

EoI No. R/IWD/2026/1735 **Sagar, Dated:-13.11.2026**

Invitation of Expression of Interest (EoI) For Third Party Quality Assurance Services(TPQAS)

Doctor Harisingh Gour Vishwavidyalaya, (DHSGVV) Sagar invites EoI from institutes (IITs/NITs only) as per CPWD Manual 2026 for appointment of Third Party Quality Assurance Services (TPQAS) of all Infrastructure Project under HEFA scheme, which are executed by Construction & Design Services (C&DS) UP Jal Nigam under EPC tender mode.

TIME SCHEDULE FOR VARIOUS EOI RELATED EVENTS

Date of Publishing on the university website	13.11.2026
Bid Submission Start Date	13.11.2026
Last date of bid submission and receipt of hardcopy of filled & signed Bid document by Speed Post only Postal Address : Registrar, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P)- 470003	23.11.2026 up to 6:00 pm
Date of opening of Bid	To be informed later
E-mail address for communication	E-mail: registrar@dhsgsu.edu.in aecivil@dhsgsu.edu.in

INDEX

Sr. No	Items/description	Page No.
1	Notice Inviting Expression of Interest (EoI)	3
2	Agreement for Third Party Quality Assurance (TPQA)	4
3	Submission of bid	5
4	Term of Reference	6-12
5	Annexure –I	13-14
6	Annexure –II	15-20
7	Annexure –III	21-26
8	Annexure –IV	27
9	Schedule for TPQA	28
10	Format for submission of Financial Proposal (Annexure A)	29

डॉक्टर हरीसिंह गौर विश्वविद्यालय, सागर (म.प्र.)

(केन्द्रीय विश्वविद्यालय)

अभिरुचि की अभिव्यक्ति हेतु आमंत्रण (Expression of Interest – EoI)

ईओआई सं. R/IWD/2026/1735 **सागर, दिनांक: 13.11.2026**

कार्य का नाम: डॉक्टर हरिसिंह गौर विश्वविद्यालय, सागर में निम्नलिखित भवनों के निर्माण कार्यों हेतु तृतीय पक्ष गुणवत्ता आश्वासन सेवाएँ (Third Party Quality Assurance Services – TPQAS) प्रदान करने के लिए केवल भारतीय प्रौद्योगिकी संस्थानों (IITs) एवं राष्ट्रीय प्रौद्योगिकी संस्थानों (NITs) से अभिरुचि की अभिव्यक्ति पुनः आमंत्रित की जाती है।

1. इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी हेतु भवन। 2. होटल प्रबंधन एवं कैटरिंग संस्थान, आतिथ्य एवं पर्यटन प्रबंधन संस्थान तथा प्रबंधन अध्ययन एवं वाणिज्य संकाय हेतु एकीकृत भवन। 3. 1000 छात्राओं की क्षमता वाला छात्रावास। 4. 1000 छात्रों की क्षमता वाला छात्रावास। 5. स्वास्थ्य केंद्र। 6. परीक्षा–सह–कंप्यूटर प्रयोगशाला/आईटी सेल/ऑनलाइन केंद्र। 7. बहुउद्देशीय सम्मेलन केंद्र।

ईओआई जमा करने की अंतिम तिथि एवं समय : दिनांक 23.11.2026 को सायं 6:00 बजे तक। विस्तृत विवरण विश्वविद्यालय की वेबसाइट **www.dhsgsu.edu.in** से डाउनलोड किया जा सकता है।

कुलसचिव
डॉक्टर हरिसिंह गौर विश्वविद्यालय
सागर (मध्य प्रदेश)

DOCTOR HARISINGH GOUR VISHWAVIDYALAYA, SAGAR (M.P.)

(A CENTRAL UNIVERSITY)

Notice Inviting Expression of Interest (EoI)

EoI No. R/IWD/2026/1735 **Sagar, Dated:- 13.11.2026**

Name of Work: Expression of Interest (EoI) is re-invited from institutes (IITs/NITs only) for appointment of Third Party Quality Assurance Services (TPQAS) for construction of (i) Building for Institute of Engineering and Technology, (ii) Integrated Building for Hotel Management and Catering, Institute of Hospitality & Tourism Management and for Faculty of Management Studies and Commerce, (iii) Girls hostel 1000 Seater, (iv) Boys Hostel 1000 Seater, (v) Health Centre, (vi) Exam cum Computer Lab/IT Cell/Online Centre, (vii) Multipurpose Convention Centre at Doctor Harisingh Gour Vishwavidyalaya, Sagar. Last date bid submission is 23.11.2026 at 6.00 P.M. Details can be downloaded from the websites ***www.dhsgsu.edu.in*** .

Registrar,
Doctor Harisingh Gour Vishwavidyalaya,
Sagar (M.P.)

Agreement for Third Party Quality Assurance (TPQA)

This Agreement is made on the _____day of _____2026 between represented by the "Registrar, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.)" the one part.

And

_____ having its offices at_____ represented by Shri_____

Hereinafter called the "Third Party Quality Assurance (TPQA)" agency, which expression shall include its heirs' executors and assigns" on the other part.

And whereas the Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) has invited the Bids from institutes (IITs/NITs only) for providing services of Third-Party Quality Assurance (TPQA) of construction of "Building for Institute of Engineering and Technology, Integrated Building for Hotel Management and Catering, Institute of Hospitality & Tourism Management and for Faculty of Management Studies and Commerce, Girls Hostel (1000-seater), Boys Hostel (1000-seater), Health Centre, Exam cum Computer Lab/IT Cell/Online Centre and Multipurpose Convention Centre"and whereas the TPQA has their services and willingness to provide Quality Assurance Service to the satisfaction of the authority with effect from _____ and whereas the Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) has agreed to engage the services for Third Party Quality Assurance of the Said works as per term & condition herein after set forth.

Registrar,	Representative,
Doctor Harisingh Gour Vishwavidyalaya,	Selected Third Party Quality Assurance (TPQA)
Sagar (M.P.)	Agency

Now, therefore, this agreement witnesses as following:

Witness :	Witness :
1. _____	1. _____
Name	Name
Designation	Designation
2._____	2._____
Name	Name
Designation	Designation

Submission of bid

The following documents shall be submitted along with the TPQA proposal on or before the last date and time of bid submission, i.e., **23.11.2026 up to 06:00 PM**. The bid shall be submitted in two separate sealed envelopes, as detailed below:

i. Envelope–I (Technical Bid): This envelope shall contain all the duly filled-in, signed and sealed EoI documents, along with self-attested copies of the PAN and GST Registration Certificate of the Institute.

ii. Envelope–II (Commercial/Financial Bid): This envelope shall contain the duly filled-in and signed Commercial/Financial Bid, as per the format prescribed at Page No. 28 & its Format for Submission of Financial Proposal Page No. 29, duly signed by the authorized signatory of the Institute.

Both sealed envelopes, clearly super scribed as **"Envelope–I (Technical Bid)"** and **"Envelope–II (Commercial/Financial Bid)"**, shall be placed together inside one larger sealed envelope and sent **through Speed Post only**, addressed to:

The Registrar
Doctor Harisingh Gour Vishwavidyalaya,
Sagar, Madhya Pradesh – 470003.

The proposal must reach the above-mentioned address on or before the stipulated last date and time of submission. Proposals received after the prescribed deadline shall not be considered.

Terms of Reference

The EPC contract envisages engagement of Third-party Quality Assurance and audit (TPQA) agency to check the work during execution. The scope of main work for which Third party Quality Assurance and audit (TPQA) consultancy shall be rendered is:

Sl. No.	Name of the Projects	Approved Area (Area in sqm)	Tendered cost L-1 (Rs. In Crore)	Agreement No.	Floor height (in mtr)	Date of start	Date of completion	Current physical status of work
1	Building for Institute of Engineering and Technology (G+4)	19368.93	92.46	55/CGM(III)/GM(N-2)/Unit-01/2026-27 dated 14.08.2026	3.9	17.08.2026	16.08.2028	7%
2	Integrated Building for Hotel Management and Catering, Institute of Hospitality & Tourism Management and for Faculty of Management Studies and Commerce (G+3)	12733.21	62.94	114/CGM(III)/GM(N-2)/Unit-01/2025-26 dated 23.03.2026	4.2 & 3.6	24.03.2026	23.03.2028	25%
3	Girls Hostel (1000-seater) (G+5)	22369.31	87.55	112/CGM(III)/GM(N-2)/Unit-01/2025-26 dated 13.03.2026	3.6 & 3.3	16.03.2026	15.03.2028	15%
4	Boys Hostel (1000-seater)(G+5)	22976.56	88.67	53/CGM(III)/GM(N-2)/Unit-01/2026-27 dated 31.07.2026	3.6 & 3.3	01.08.2026	31.07.2028	5%
5	Health Centre (G+1)	2514.61	16.27	71/CGM(III)/GM(N-2)/Unit-01/2026-27 dated 20.08.2026	3.6	22.08.2026	21.08.2028	5%
6	Exam cum Computer Lab/IT Cell/Online Centre (G+2)	4514	31.14	113/CGM(III)/GM(N-2)/Unit-01/2025-26 dated 13.03.2026	4.2	16.03.2026	15.03.2028	20%
7	Multipurpose Convention Centre (G+1)	3998.33	25.23	116/CGM(III)/GM(N-2)/Unit-01/2025-26 dated 28.03.2026	14.25	01.04.2026	31.03.2028	15%
		Total	**404.26**					

SCOPE OF TPQA WORK:

A. TPQA Agency shall be engaged to check the work during execution for the following purposes:
   1. To ensure that the site is equipped with necessary documents like agreement, CPWD Specifications, BIS Codes, Guard file containing inspection reports, list of approved manufactures, tools for checking quality of work & testing facilities.
   2. To ensure that sites record like inspection register, cement register, test register & site order book etc. are being maintained in prescribed forms and under continuous watch of higher officers.
   3. To ensure that the specific control on various process of execution by controlling various factors such as testing of material & developing check list of important items of work.

4. Inspection of work during execution for two factors.
    a. **Materials Aspect**: Quality & Testing of material keeping in view the requirement of contract specifications, BIS Marked/ CPWD approved products. The agency shall conduct independently at least 10% tests of the total tests as required as per mandatory tests/ contract specifications/ BIS/IRC/MORTH requirements.
    b. **Workmanship Aspects**: - To ensure execution of work with sound engineering practice and laid down procedures.
    c. The Project Manager of UP Jal Nigam shall ensure checking of observations of TPQA before making payment to the execution agencies

B. The above-mentioned aspects are to be prepared as per check list proforma given at as per **Annexure-I and II**.

C. TPQA will develop minimum quality assurance plan as per Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) Quality assurance Manual 2022 and considering all the provisions of**CPWD Works Manual Para 1 of SOP 7/2& 7/3**, including methodology to be adopted for the QA & QC for the building construction including services like MEP, Firefighting & HVAC, road work, water supply system, solid waste management system, external developments, Sewerage system etc. included in the projectand get it approved from Registrar of the University. They will ensure that all the provisions of QA plan are being observed at site.

D. TPQA will ensure that all the tests should be conducted as detailed in QA plan.

E. TPQA will ensure that test should be carried out in field lab or outside lab as per provisions of the agreement.

F. *The on-site primary structural quality assurance engineer deployed by the IIT/NIT must possess a minimum qualification of an M. Tech in Structural Engineering / Construction Management OR a B. Tech in Civil Engineering with a minimum of 5 years of specialized field experience in high-rise RCC framing and large-span steel structures are to be engaged during currency of work as per requirement of work, who will compulsorily attend the site at least 05 days in a month to carrying out at least 20 percent routine tests of each material covering all its lots and oversee execution of the major items of work and 01 no. Electrical technical person will visit site at the time of execution of electrical work for minimum 5 days in a month or as required by Project Manager of Electrical Component.*

G. TPQA will inspect the work as and when required, at least once in a month or as when the work demands/presence desired. Further, the inspection is to be planned in such a way that the pre- requisite formalities such as testing of material and approval of resource plan for materials and labour is carried out well in advance so that work may be progressed as per milestone fixed in the agreement.

H. TPQA agency shall prepare monthly report for tests and inspections carried out by its technical team engaged for the purpose as well as by its Senior representative or TPQA Expert and submit it to Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) by 7th of every month along with executive summary to Registrar of the University.

I. TPQA shall check and certify the quality of the work and monitor the compliance of removal of defects, pointed out during inspection, before completion of the work.

J. The TPQA agency shall report quality control test results and suggestions regarding remedial measures, if any, from time to time

K. TPQA shall monitor rectifications of defects and Project Manager shall ensure that defects are rectified before making the payment of items of work having defects.
    a. If, it is observed by TPQA that defects are not removed by executing agency, this matter shall be reported to Project Manager, C&DS UP Jal Nigam and Registrar of the University to take necessary action in the matter as per agreement provisions.
    b. TPQA shall also recommend for reduction of rate in case of substandard work.

L. TPQA shall mention details of defective material, brought at site, which is to be removed from the site immediately in its Inspection report.

M. CPWD publications referred herein are available on web site www.cpwd.gov.in

N. Documents to be referred: Following documents shall be referred:
    a. Tender specifications
    b. IS Codes, CPWD Specifications
    c. Guidelines on Quality System for buildings (applicable code).
    d. CPWD guidelines for Quality Assurance Policy and Check List for E&M services.
    e. Quality Assurance Plan and Quality Control procedures, formats to be approved by Engineer-in- charge.
    f. Any other document as deemed fit by TPQA Agency/ Project Manager/ University Officials.

BRIEF METHODOLOGYAND FUNCTIONS OF TPQA SERVICES

- All TPQA inspections shall be carried out at site as per the agreed Guidelines on Quality System for Buildings, which shall be prepared on the basis of tender specifications.
- Site inspection of all construction activities shall be done as per QAP along with Project Manager UP Jal Nigam and Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) officials / representatives of EPC main contractor.
- After review of test reports and analysis of inspection, observations shall be made and communicated toProject Manager UP Jal Nigam and Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) to take necessary action for rectification/ modification (if required).
- TPQA agency shall prepare report for tests and inspections carried out by TPQA agency and submit it to Project Manager UP Jal Nigam and Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) **within 15 days of inspection**along with executive summary.
- TPQA agency shall do their job by field visits, arranging the necessary quality assurance tests for materials and the construction works, analysing the test results and furnishing the comments/ observations thereon and providing general observations on construction materials and work. The TPQA agency shall submit their report to Project Manager UP Jal Nigam and Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) at various stages/ regular interval.
- TPQA agency shall check and report whether work is being executed according to the drawings, designs and specifications of the agreement and in accordance with the approved drawings.
- The TPQA agency shall be responsible for bringing-out in writing, to the notice of Project Manager UP Jal Nigam and Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) any instances of deviations from accepted quality of construction materials, workmanship and general quality of works at appropriate stages of construction.
- TPQA agency shall inspect the construction site during the works under progress frequently, to achieve the stipulated standards of quality in the project. If there is any discrepancy/ error/omission, the team shall point out the same with suggestions and remedial measures with codal provisions.
- TPQA agency shall, highlighting the problem area if any, and also suggest steps/ solutions to rectify the same so as to achieve the overall target of quality assurance.
- TPQA agencywill arrange testing of materials used in construction work for ascertaining their quality through lab at site/ approved outside laboratories/ institutions as per direction of Registrar. TPQA agency shall report the results of testing to Project Manager UP Jal Nigam and Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) with their suggestions and remedial measures.

SPECIAL CONDITIONS

1. The TPQA agency personnel to be deployed for this work shall be got approved from the Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) along with the required credentials as per the agreement.
2. If TPQA agency fails to provide the required technical staff with requisite qualifications as stated above, then the compensation @ Rs. 1000 /- per person per day for the entire corresponding period shall be imposed by the University.
3. The replacement of any personnel by TPQA agency will be with prior approval of the Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) At times due to exigencies of the work, these technical persons will be required to compulsorily attend the site during night time also, for which nothing extra shall be paid.
4. Senior representatives of TPQA or TPQA expert will visit site regularly at least once in three months or as and when required by Project Manager UP Jal Nigam.
5. All records in the TPQA process shall be the property of Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) and nothing shall be shared with any other person(s) / organization(s) / except with authorized persons of Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) without prior permission of Engineer-in-Charge.
6. The TPQA agency will employ required member of in-location engineers **(Civil as well as MEP) a**s per the progress of work on ground and quantum of work.
7. Space and minimum office furniture required for working at site will be made available Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.). The necessary T&P and stationeries will be arranged by the TPQA agency.
8. If the TPQA Agency, during inspection of the works, observes any defect, deficiency, substandard workmanship, use of non-conforming/substandard materials, deviation from the approved Drawings, Specifications or QAP, or non-compliance with applicable IS Codes, CPWD provisions or other relevant standards, the TPQA Agency shall record the same and issue a written Defect Observation-cum-Rectification Notice. The said Notice shall be addressed to the Project Manager, U.P. Jal Nigam, being the Executing Agency, clearly indicating the location, nature and extent of the defect/non-conformity, relevant Drawing/Specification/Codal Provision, photographs/test results, wherever applicable, and the corrective/rectification measures required. A copy of the said Defect Observation-cum-Rectification Notice shall simultaneously be forwarded to Registrar, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.), for information, record and further necessary action as deemed appropriate by the University. The U.P. Jal Nigam shall ensure rectification of the reported defect/non-conformity within the stipulated time and shall submit a Rectification/Compliance Report to the TPQA Agency, with a copy to Registrar, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.). Thereafter, the TPQA Agency shall conduct a re-inspection to verify the rectification and compliance. In case the reported defect/non-conformity is not rectified within the stipulated time, the TPQA Agency shall issue a Non-Compliance Report to the Project Manager, U.P. Jal Nigam, with a copy to Registrar, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.), for information and further necessary action by the competent authority.
9. Non-Destructive and Destructive Testing (NDT & DT) After Completion of Work :
   Upon completion of the respective scope of work, the TPQA Agency shall ensure that appropriate Non-Destructive Tests (NDT) and Destructive Tests (DT), wherever required, are carried out to independently assess and verify the quality, strength, durability and conformity of the executed works with the approved drawings, technical specifications, relevant IS Codes and applicable CPWD specifications.The testing shall cover all relevant structural and non-structural components, including but not limited to columns, beams, slabs, concrete members, brick masonry, plastering and other executed civil works, as applicable. The tests shall be selected based on the nature of the component, material, criticality of the work and applicable technical requirements. These may include Rebound Hammer Test, Ultrasonic Pulse Velocity (UPV) Test, core testing of concrete, and other appropriate

tests for masonry, plaster and construction materials, wherever technically applicable.The TPQA Agency shall verify whether the specified strength, quality and performance requirements have been achieved in the completed works. All tests shall be conducted in accordance with the relevant IS Codes and approved testing procedures, preferably through an appropriately accredited laboratory wherever applicable. Destructive testing shall be undertaken only with prior approval of the competent authority and with suitable arrangements for subsequent repair and restoration of the tested locations.The TPQA Agency shall submit a comprehensive test report indicating the location and identification of each tested component, test methodology, applicable acceptance criteria, observed results, deviations, if any, and recommendations for corrective action. Any deficiency, non-conformity or failure to meet the prescribed specifications shall be promptly reported to the University and the Executing Agency for necessary rectification and re-testing.Completion of testing and submission of satisfactory test reports shall form part of the quality assurance and completion verification process. However, such testing or certification shall not relieve the Executing Agency or Contractor of its contractual obligations, responsibility for the quality of work, or liability for defects under the applicable contract conditions.

PART I: PRE-CONSTRUCTION STRUCTURAL CONTROLS

- *"The Executing Agency (C&DS, UP Jal Nigam) shall not bypass or cover up any critical structural phase without obtaining a written clearance/audit sign-off from the TPQA. Progressing beyond a hold-point without TPQA authorization will constitute a material breach of contract and halt payments."*
- Mandatory Hold-Points Include:
    - Post-excavation/pre-pour profiling of foundation and pile bases.
    - Formwork, staging, and reinforcement binding validation *immediately prior* to any structural concrete pour.
    - Structural steel framing and truss alignment inspections prior to welding/bolting closures.

1. Automated Batching Plant & Software Calibration Audits

- *"The TPQA shall independently audit, calibrate, and validate the logistical software configurations, mix-design validation trials (as per the latest revision of IS 10262), and mechanical weighing sensors of all automated batching plants or Ready-Mix Concrete (RMC) facilities serving the project. These calibration audits must occur prior to the first structural pour and be repeated at a fixed minimum interval of once every six months."*

2. Formwork, Staging, and False work Engineering Audits

- *"For all major structural concrete pours, the contractor must submit an engineered Formwork and Staging Layout Plan detailing structural load calculations, lateral bracing layouts, and bearing capacities. The TPQA must formally review this design and physically verify its on-site execution—checking prop verticality, sole plates, and coupler tightness—issuing a written 'Staging Stability Clearance Certificate' before concrete placement is authorized."*

3. Geotechnical Foundation Stratum Verification

- *"Prior to the placement of mud mats, PCC, or pile concrete, the TPQA structural team must physically inspect the excavated foundation bed. The TPQA must formally certify that the actual exposed soil or rock strata matches the Safe Bearing Capacity (SBC) and geological assumptions utilized in the approved structural design drawings."*

PART II: CONSTRUCTION PHASE STRUCTURAL CONTROLS

4. Material Traceability & Independent NABL Laboratory Validation

- *"The TPQA shall establish a strict Material Traceability Protocol. For every batch of structural steel (TMT bars) and cement arriving on-site, the TPQA must verify the original Mill Test Certificates (MTC). Furthermore, the TPQA must independently sample materials from site storage and route them to an independent, NABL-accredited third-party laboratory for destructive physical and chemical testing (tensile strength, elongation, and chemical composition for steel; setting times and compressive strength for cement) prior to structural deployment."*

5. Categorized Deficiency and "Immediate Stop-Work" Protocol

- *"Defects identified by the TPQA shall be classified into a dual-tier system:*

  - ***Category A (Non-Structural / Minor)**:_ Subject to standard defect notification cycles and routine compliance timelines.*

  - ***Category B (Structural / Severe Discrepancy)**: If the TPQA identifies anomalies compromising structural safety—including shifting formwork, premature shuttering removal, exposed primary reinforcement, deep structural honeycombing, or unexpected cracking—the TPQA is contractually mandated to issue an Immediate Stop-Work Notice on that structural element. Construction on that component shall remain halted until a retrofitting or corrective scheme, designed by a structural engineer and vetted by the TPQA, is executed and certified."*

6. Concrete Placement and Durability Controls

- *"The TPQA shall actively monitor concrete placement metrics to eliminate segregation and structural degradation. This includes enforcing maximum free-fall drop heights, verifying core temperature thresholds for mass concrete pours, checking the chemical and mineral suitability of curing water, and verifying concrete cover block uniformity using calibrated cover-meters post-pour."*

PART III: POST-CONSTRUCTION STRUCTURAL CONTROLS

7. Proactive In-Situ Strength and Non-Destructive Testing (NDT) Mandate

- *"In the event that 7-day or 28-day site concrete cubes fail to meet characteristic compressive strength requirements, or if visual structural distress is noted, the TPQA holds the absolute mandate to order immediate in-situ testing. This will comprise Non-Destructive Testing (Ultrasonic Pulse Velocity and Rebound Hammer tests per IS 13311) or Destructive Core Testing (per IS 516), executed at the contractor's expense, to establish definitive structural acceptance or rejection."*

8. As-Built Structural Geometry & Deflection Surveys

- *"Upon the stripping of formwork and completion of primary structural framing phases, the TPQA shall oversee a total-station or laser-scanning geometric alignment survey. The TPQA must document and verify as-built column verticality, axial alignment tolerances, and beam levels. Any element exceeding permissible code-stipulated structural dimensions or showing immediate elastic deflections must be isolated for engineering evaluation before secondary dead loads (e.g., brick masonry walls) are applied."*

CRITICAL PROVISIONS: SEVERE CAMPUS-WIDE DISCREPANCY PROTOCOLS

1. *The TPQA must independently audit and formally sign off on the structural design calculations and lateral bracing system of the staging layout for any clearance height exceeding 4.5 meters prior to concrete placement.*

2. *The structural checklists must include dedicated validation line items for strict compliance with Ductile Detailing Codes (IS 13920), explicitly auditing confining reinforcement at beam-column joints, hoop spacing, and lap-splice positioning.*

3. *The TPQA structural audit must explicitly cross-examine the physical execution of all Expansion Joints and Settlement Joints, ensuring that structural gaps are entirely clear of construction debris, mechanical bridgings, or rigid materials before sealing.*

MODE OF BILLING AND PAYMENT: -

1. Amount of the TPQA agreement will be "Percentage quoted in schedule" multiplied by "total project cost".
2. TPQA fee will be restricted to ***"percentage quoted on specified Tendered Project Cost or actual work done, whichever is less".***
3. Advance maximum up to 10% will be paid against Bank Guarantee as per the request of the selected TPQA agency, after the signing of the agreement.
4. **80% of the total agreed fees** shall be paid during execution of work, quarterly on pro- rata basis of financial progress of main project.
5. **Balance 10% payment** shall be made after actual completion of main project subject to submission of final report by TPQA and its acceptance by the competent authority.
6. The TPQA's fee for Quality Assurance as per scope of work will be paid as per quoted rates of the gross work done during the period. The fee quoted shall be payable on the amount of gross work done (excluding work executed by the main agency before TPQA agreement comes into force and without considering any kind of escalations and other such reimbursements payable under the contract conditions) from the date from which the agreement comes in force. The running and final bill payment will be made to the TPQA after submission of bill by TPQA on the basis of billed amount paid to the contractor.
7. No due payment towards TPQA fee for the quarter shall be made to TPQA for not carrying out inspection and preparation of details and submission thereof in Performa as per Annexure-I, II during any inspection during the quarter.
8. The TPQA's fee is **inclusive of all prevailing taxes and GST**. **Nothing extra shall be paid on this account.**
9. All overhead expenses of TPQA agency shall be deemed included in the fee quoted by the agency. No additional payment will be done.
10. The payment to the TPQA shall be made by project manager /Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) on the basis of the bill submitted by TPQA and satisfactory execution of job done as per the contract.
11. **Income Tax and other statutory deductions** shall be deducted from the payment to TPQA as per rules. The Tax Deduction Certificate for such deductions shall be issued by department to TPQA. The same will not be deducted if TPQA agency produces a certificate of exemption of the same.
12. **University will not bear any other expenses (like: TA, food, accommodation, resources etc) except TPQA agencies quoted rate.**

EFFECTIVENESS AND DURATION OF THE AGREEMENT AND CONTRACT PERIOD: -

Contract will be **commenced from 7th day of issuing of letter of acceptance**. Contract agreement will remain in force till the actual completion of work, nothing extra will be paid due to delay in completion of the work by the construction agency/agencies, unless mentioned otherwise in this document.

SIGNING OF CONTRACT: - Quotation must be signed by the person duly authorized from competent authority i.e. Head of the Department/Director/ Dean or equivalent of Institution/Department. Authority letter issued by the competent authority **should be attached along with quotation.**

FORCE MAJEURE

a) For the purposes of this contract, "Force Majeure" means an event which is beyond the reasonable control of a party and which makes parties performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not

limited to, war, riots, civil disorder, earthquake, fire explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the party invoking Force Majeure to prevent), confiscation or any other action by government agencies.

b) Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a party or such party's sub TPQA or agents or employees, nor (ii) any event which a diligent party could reasonably have been expected to both [A] take into account at the time of the conclusion of this contract and [B] avoid or overcome in the carrying out its obligations hereunder.

c) Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

NO BREACH OF CONTRACT

The failure of a party to fulfil any of its obligations hereunder shall not be considered to be a breach of, or default under, this contract in so far as such inability arises from an event of Force Majeure, provided that the party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this contract.

MEASURES TO BE TAKEN

a) A party affected by an event of Force Majeure shall take all reasonable measures to remove such party's inability to fulfil its obligations hereunder with minimum of delay.

b) A party affected by an event of Force Majeure shall notify the other party of such event as soon as possible and in any event not later than fourteen (14) days following the occurrence of such event providing evidence of the nature and cause of such event and shall similarly give notice of the restoration of normal conditions as soon possible.

c) The parties shall take all reasonable measures to minimize the consequences of any event of Force Majeure.

EXTENSION OF TIME

The extension of time will be given to TPQA agency, if the main work execution is continued beyond the stipulated date of completion.

RESPONSIBILITIES FOR ACCURACY OF TPQA SERVICES: -

- The TPQA 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, decision for execution of work will be of the *Engineer in charge* and no claim of any kind of TPQA will be entertained.
- TPQA shall be responsible for providing advice and/or opinion regarding Quality Assurance of this work including methodology to be adopted, Specifications, Standards & quality measure parameter etc. and nothing extra will be paid for the same.

PERIOD OF AGREEMENT

Agreement will remain live/effective up to completion of project under same terms and conditions of the agreement.

FORECLOSURE: -

1) The Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) may, by not less than thirty (30) days of written notice of foreclosure (The expiry of the notice period whereof being the date of termination) to the TPQA, without assigning any reasons whatsoever at any stage of the contract, &foreclose the contract.

2) Upon foreclosure of this contract, the TPQA shall take necessary steps to bring the work to a close in a prompt orderly manner and shall handover all the documents/reports prepared up to and including the date of foreclosure to the Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.).
3) The TPQA shall be duly paid for the works carried out and services rendered till date of foreclosure. No extra claim of loss of profit or any other claim will be entertained by Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.).

TERMINATION OF CONTRACT: -

The Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) may terminate the contract after 30 days of issuing a written notice in this regard. The Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) will take such action in following circumstances.

a) If the TPQA fail to render the performance under the agreement.
b) If as the result of force majeure, the TPQA are unable to perform a material portion of the services for a period of not less than thirty (30) days.
c) If the Universityin its sole discretion and for any reason whatsoever, decided to terminate this contract.
d) Upon termination of this contract, The Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) shall make payment to the TPQA for services performed satisfactory by TPQA. A prior to the effective date of termination after offsetting against any amount that may be due from the TPQA to the Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.).
e) This contract will automatically be terminated, if the main contract for execution of the work is determined/foreclosed by the competent authority.

DISPUTE REDRESSAL

The disputes, if any, arising out of contract shall be referred by the either party to the Registrar, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) whose decision shall be final and binding.

EFFECT OF CHANGE IN THE SCOPE OF THE WORK ON TPQAAGENCYFEE

It is also a term of the agreement that no extra payment to TPQA agency shall be made if cost of project at completion is up to **1.30 times (i.e., 30% increase in cost)** of awarded cost of project (without considering any kind of escalations payable under the contract conditions). However, for increase in cost of project beyond **30%**, extra payment shall be made on pro-rata basis for such variations beyond permissible variation of **30%** in project cost, based on quoted and approved TPQA agency fee in this agreement for original awarded cost. The decision of the Registrar, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) shall be final and binding in this regard.No extra payment shall be made to the TPQA if the duration of work gets extended by up to **12 months** beyond stipulated date of completion. However, If the project gets delayed by more than 12 months, beyond the stipulated date of completion, additional payment, only towards the actual expenses of the technical persons engaged by TPQA at site or Rs. 20,000/- per month whichever is less, shall be payable for the extended period of completion beyond 12 months of the stipulated date of completion. This payment shall be over and above the payment admissible as per the quoted and accepted rates and applicable under the contract conditions.

ACTION FOR DEFICIENCY IN SERVICES / CONSULTANT LIABILITY TOWARDS THE CLIENT

TPQA agency shall be liable to indemnify the Client for any direct loss or damage accrued or likely to accrue due to deficiency in service rendered by them which shall include any or all cost and expenses incurred by the Client in removing the deficiency in Service including engaging any other consultant.

Annexure-I

Proforma of Inspection Report (CIVIL)

Name of TPQA Agency: -		
1.0	**Particulars of work**	
a)	Name of Work	
b)	Description of work	
c)	Agreement No.	
d)	Stipulated time and date of start	
e)	Stipulated time and date of completion	
f)	Extended date of completion, if any	
g)	Composite Estimated cost	
h)	Composite Tendered cost	
2.0	**Details of C&DS UP Jal Nigam personnel associated with the work**	
a)	Sub-Division and name of Assistant Engineer or Equivalent Officer	
b)	Division and name of Executive Engineer or Equivalent Officer	
c)	Circle and name of Superintending Engineer or Equivalent Officer	
3.0	Name of EPC Agency/Contractor	
4.0	Inspection officers (Name & Designation)	
5.0	C&DS UP Jal Nigam Officers and Contractor present during inspection (Name & Designation)	
6.0	Date of inspection and number	
7.0	Percentage progress at time of inspection vis a vis expected as per contract and reasons for delay, if any:	
8.0	**Quality control aids:**	
8.1	Is site equipped with	
a)	Copy of agreement	
b)	C&DS UP Jal Nigam specification along with up-to-date correction slips	
c)	Provision of QAP in agreement?	
d)	Whether approved QAP is available on site?	
e)	List of ISI marked /approved materials to be used:	
f)	Guard file containing inspection reports of CTE/QCTA/AE/QC/CE/SE or Equivalent Officer etc.	
g)	Testing facilities to check conformations to acceptance criteria	
h)	QACW circulars on quality control	
8.2	Is field laboratory existing and well equipped?	
9.0	**Department procedure aspects**	
9.1	Maintenance of inspection register	
9.2	Highlights of inspection by PM/Higher Officer requiring compliance	
9.3	Are all site registers maintained in standard forms?	
9.4	Are test registers reviewed by EE/PM with dates?	
9.5	Cement registers	
a)	Is cement store checked by AE/EE or Equivalent Officer periodically as stipulated?	
b)	Comment on cement stock with reference to cement register?	
9.6	Site order book and schedule of defects	
a)	Is site order book properly maintained?	
b)	Is site order book reviewed by EE and SE or Equivalent Officer? (Mention detail)	

c)	Have timely notices been issued to the contractor with the schedule of defects/damage and date of compliance? In case of failure to rectify defects/damages whether action under clause 14/17 initiated.	
10.0	**Process control aspects**	
10.1	Is soil investigation done? (Give brief details)	
10.2	Suitability of water for construction	
a)	What is the source of water?	
b)	Has water been tested subsequently (i.e., after every one month) and found fit for use in works?	
10.3	Are 10% (25% for concrete) of all samples for testing taken in presence of Project Manager/ equivalent officer?	
10.4	Are all mandatory tests carried out at stipulated frequency?	
10.5	Are materials approved by Project Manager? If so, are samples available at site?	
10.6	Are samples units/items completed and approved by Project Manager before start of mass finishing work?	
10.7	Specific control on RCC work like centering/shuttering, design mix concrete/RMC, checking of slump and filling of cubes, placing compaction with vibrator:	
10.8	Any other particular comments on adequate of process control	
11.0	**Site inspection for observation and comments on quality control system in place**	
11.1	Observations and comments on QAP (Quality Assurance Plan) Quality Control System in place: Attached separate sheet, if required	
11.2	Observations on floors slope (especially in bath, WC, kitchen, terrace, balcony etc.)	
11.3	Observation on QC for dampness/leakages prevention. If dampness/leakages noticed, then state locations and probable reasons	
11.4	Samples collected by QC core/cell	
12.0	**Observations on site material QC aspects.** (Keeping in view the requirement of contract specifications, BIS marked/C&DS UP Jal Nigam approved products etc.) (attach separate sheet if required)	
13.0	**Observations on workmanship QC aspects of various construction activities such as** Concrete Work, RCC Work, Brick / Block Work, Waterproofing, Plastering Work, Steel Work, Wooden work, Internal Sanitary work, Internal Water supply work, Flooring, Finishing, Drainage etc.(Attach separate sheet if required)(Sample Inspection Checklist of few Activities are attached in **Annexure-3**	
14.0	**Action taken on the observations for the previous month report**	

Annexure-II

Proforma of Inspection Report (E&M)

Name of TPQA Agency: -		
1.0	**Particulars of work**	
a)	Name of Work	
b)	Description of work	
c)	Agreement No.	
d)	Stipulated time and date of start	
e)	Stipulated time and date of completion	
f)	Extended date of completion, if any	
g)	Composite Estimated cost	
h)	Composite Tendered cost	
2.0	**Details of C&DS UP Jal Nigam personnel associated with the work**	
a)	Sub-Division and name of Assistant Engineer or equivalent	
b)	Division and name of Executive Engineer or equivalent	
c)	Circle and name of Superintending Engineer or equivalent	
3.0	Name of EPC Agency/Contractor	
4.0	Inspection officers (Name & Designation)	
5.0	C&DS UP Jal Nigam Officers and Contractor present during inspection (Name & Designation)	
6.0	Date of inspection and number	
7.0	Percentage progress at time of inspection vis a vis expected as per contract and reasons for delay, if any:	
8.0	Details of associate contractors, if any for specialized works	
	Whether associate contractors conform to agreement requirements?	
8.0	**Quality control aids:**	
8.1	Is site equipped with	
a)	Copy of agreement	
b)	C&DS UP Jal Nigam specification along with up-to-date correction slips	
c)	Provision of QAP in agreement?	
d)	Whether approved QAP is available on site?	
e)	List of ISI marked /approved materials to be used:	
f)	Relevant BIS to check confirmation for acceptance criteria.	
g)	Guard file containing inspection reports of CTE/QCTA/AE/QC/CE/SE or equivalent etc.	
h)	Testing facilities to check conformations to acceptance criteria	
i)	QACW circulars on quality control	
8.2	Is field laboratory existing and well equipped?	
9.0	**Department procedure aspects**	
9.1	Maintenance of inspection register	
9.2	Highlights of inspection by PM/Higher Officer requiring compliance	
9.3	Are all site registers maintained in standard forms?	
9.4	Are test registers reviewed by EE/PM or equivalent with dates?	
9.5	Cement registers	
a)	Is cement store checked by AE/EE or equivalent periodically as stipulated?	
b)	Comment on cement stock with reference to cement register?	

9.6	Site order book and schedule of defects	
a)	Is site order book properly maintained?	
b)	Is site order book reviewed by EE and SE or equivalent? (Mention detail)	
c)	Have timely notices been issued to the contractor with the schedule of defects/damage and date of compliance? In case of failure to rectify defects/damages whether action under clause 14/17 initiated.	
10.0	**Process control aspects**	
10.1	a)Whether shop drawings/ manufacturer drawings/ technical submittal approved by the department. b) Whether there is stipulation of testing of equipments at manufacturer works in the agreements. c) Are inspections carried out at manufacturer's work. d) Give brief details. e) Test results during inspection comply relevant BIS/C&DS UP Jal Nigam General Specification for Electric works/ technical specifications mentioned in tender. f) Routine acceptance test certificates whether submitted (in case the inspections at works was not stipulated in the agreements). g) What precautions taken to ensure the genuineness (material's originality) of the materials supplied at site.	
10.2	a) Whether lot size for bringing of the materials at site in view of tendered quantity/ required at site mentioned in the agreement. b) If not whether engineer-in-charge has defined the lot size. c) Are the samples of following materials got tested from 3rd party laboratory after taking samples from each lot at the site only. (i) Conduit (ii) wires (iii) Insulation (iv) Metal sheets (v) Cables etc. d) Are test results given by 3rd party laboratory meets BIS/ Technical Specifications etc of tender for the material supplied at site. e) If the materials not tested from 3rd party laboratory then the manufacturer's test certificate submitted meets agreement requirements. f) Delivery challan of all the materials submitted.	
10.3	Are all mandatory tests at site carried out at stipulated frequency?	
10.4	Are sample units/ Items completed and approved by EE (E) or equivalent before start of mass work?	
10.5	Any other particular comments on adequacy of process control.	
11	**Site Inspection for observation and comments on quality control system in place;**	

Sub- head of work in progress		Whether in progress (If so, tick mark)	Whether inspected (If so, tick mark)	Location
1	**INTERNAL ELECTRICAL WORKS**			
A	Conduit work			
B	Wiring work			
C	Switch Boxes			
D	Distribution boards & floor panel			
E	Fittings and fixtures			
F	Earthing Work			
G	Rising mains			
2	**Compoundlighting**			

	/Streetlighting			
A	Poles			
B	Fittings			
C	Cabling			
D	Earthing			
E	FeederPillar			
3	**LightningArrestor**			
4	**Signages**			
A	Type			
B	Size			
C	Programmability			
5	**FireFighting System**			
A	Piping			
B	Pumps			
C	Hydrants			
D	Sprinklers			
C	MVPanel			
6	**FireAlarmSystem**			
A	Panel			
B	Detectors			
C	MCP			
D	Wiring			
7	**LIFTS**			
A	DoorOpening			
B	Capacity			
C	Floorserved			
D	Finish			
E	Controls			
F	Safeties			
G	Speed			
8	**Substation**			
A	Transformers			
B	HTPanels			
C	LTPanels			
D	APFCPanels			
E	Cabling			
F	Earthing System			
9	**DG Set**			
A	LoadTestingat manufacturer'sworks			
B	AMF/EssentialPanel/ Synchronizingpanel			
C	ExhaustSystem			
10	**UPSSystem**			
A	UPSSystem			
B	Type of battery			
C	Controls			
D	Safetyfeatures			
11	**AirConditioning AndVentilation**			
A	Ducting			
B	Piping			
C	Insulation work			
D	Grills,Diffuser			
E	Chiller/Outdoor			

	unit/packageunit			
F	AHUs,			
G	Pumps & Cooling Tower			
12	**SolarWaterHeating**			
A	Capacity			
B	Capacityof Pumps			
C	Working& Standby			
D	HeadofPump			
E	Delivery			
F	I/Osizeofpump			
G	Deliveryline(dia)			
H	Earthing TypeofPVPanels			
13	**LAN**			
A	Switches,Routers, Sockets			
B	Cables			
C	QualityofSignal			
14	**IPBASEDEPABX**			
A	Cables			
B	EPABX,Handsets			
C	Extendibility			
D	QualityofSignal			
15	**CCTV**			
A	Bullet,Dome,PTZ cameras			
B	Monitors			
C	IRDistance			
D	AngleofView			
E	Recording/ DecodingCapacity			
F	Storage			
16	**IBMS**			
A	I/Oaspersite			
B	Monitoring			
C	Controls			
17	**STP/WTP**			
A	Capacity			
B	Pumpsets, Blowers, Filters			
C	Qualitytestof Treatedwater			
D	Odortesting			
18	**MedicalGasPipeline System**			
A	Copperpipeline			
B	Pumps,Compressors			
C	Valves, pressure regulators			
D	Bedheadpanels			
E	MedicalOxygenPlant			
19	**ModularOperation Theatre**			

A	Pendants,Laminarairflowsystem			
B	Monitors			
C	Controls			
D	Special Flooring			
20	**NurseCallSystem**			
A	Callingsystem			
B	DisplayUnits			
C	Central Processing system			
D	Controls			
21	**WaterSupply System**			
A	Capacityof Pumps			
B	Working& Standby			
C	HeadofPump			
D	Delivery			
E	I/Osizeofpump			
F	Delivery line(dia)			

12	Observations on electrical fixtures a) Levelling of switch boxes & DB's b) Levelling of electrical fixtures c) Levelling of all accessories such as detector, grills, diffuser, Sprinkler etc. d) Red oxide paint on threaded conduit ends e) Laying of fish wire in laid conduits f) Earthing of SDB's, DB's, fans and fittings, poles, rising mains. g) Earthing of Sub-station systems. h) Provision and proper fixing of check nuts i) Lugs at cable ends in switch boxes j) Makes of the materials supplied w.r.t. approved makes in the agreement. k) Pressure testing of pipes.	
13	Observation on QC for earthing /earth leakage prevention. If leakage noticed, state locations and probable reasons	
14	Samples ordered by QC core / cell for lab inspection	
15	Whether testing and commissioning of all equipments, complete system as per CPWD/ tender documentsSpecifications / agreement conditions are done.	
(a)	If yes (a) Whether results conform to requirements as per agreement (b) Proper documentation are done.	
16	In built drawing/maintenance manual for all services prepared.	
17	Observations on site material QC aspects. (Keeping in view the requirements of contract specifications: BIS marked/approved products etc.) (Attach separate sheet, if required)	
18	Observation on workmanship QC aspects. (Attach separate sheet, if required).	
19	**Action taken on the observations for the previous month report**	

Annexure -III

Sample Checklists for Inspection of Construction Activities

CHECK LIST FOR ITEMS OF FOUNDATION CONCRETE

Name of work: ……

Name of contractor ……

Agreement no. …….

1. Date of inspection
2. Location
3. Material used for concrete whether tested
   - (a) Sand Yes/No
   - (b) Coarse aggregate Yes/No
   - (c) Water Yes/No
   - (d) Admixture, if any Yes/No
4. Raft top level, whether provided as per details. Yes/No
5. Architectural/structural drawing correlated. Yes/No
6. Whether location of construction joint has been discussed with Executive Engineer, and he has approved it Yes/No
7. Cleaning over water proofing surface and construction joint done Yes/No
8. CC cover blocks of 60 mm, thickness provided (min 2 in one square metre area) Yes/No
9. Reinforcement placement as per relevant structural drawing checked Yes/No
10. Layout of columns as per relevant structural drawing checked Yes/No
11. Placement of shuttering plates and key board for proper construction joint with shuttering oil. Yes/No
12. Cement slurry applied on construction joint before pouring of concrete. Yes/No
13. Trained mason available. Yes/No
14. Concreting to start from farthest point to nearest point with respect of weight batching plant. Yes/No
15. Concrete mix has been designed. Yes/No
16. Plasticiser being used. Yes/No
17. Adequate number of concrete vibrators in working condition available. Yes/No
18. Slump checked. Yes/No
19. Sample cubes taken. Yes/No

CHECK LIST FOR COLUMNS/BEAMS/SLABS

1. Date of inspection
2. Drawing no.
3. Location
4. Material used for concrete whether tested
   (a) Sand Yes/No
   (b) Coarse aggregate Yes/No
   (c) Water Yes/No
   (d) Admixture, if any Yes/No
5. Whether structural drawings correlated with architectural drawings? Yes/No
6. Whether the centre line of column/beams checked with reference togrid lines as per architectural drawings? Yes/No
7. Whether treatment of expansion joint, wherever required, is done? Yes/No
8. Whether cleaning, repairing and approval of shuttering plate, application of quality shuttering oil is done? Yes/No
9. Whether shuttering is in true plumb and vertical and properly done and maintained during concreting? Yes/No
10. Whether reinforcement detailing, their placement are as per structural drawings? Yes/No
11. Whether proper gauge binding wire is used and with full cross binding andtightening of reinforcement bars with stirrups? Yes/No
12. Whether required minimum cover to reinforcement is maintained? Yes/No
13. Whether stainless steel cramps, angle irons for holding stones andany holdingarrangement for electrical/mechanical/fire fighting/otherservices have been seen and approved by JE (E)/AE(E). Yes/No
14. Whether conduits for various electrical/mechanical/fire fighting/other services have been seen and approved by JE(E)/AE(E)? Yes/No
15. Whether concrete of approved design mix within maximum permissiblewater-cement ratio is used? Yes/No
16. Whether admixture of good brand quality approved by Engineer-in-Charge is used? Yes/No
17. Whether technical supervision at batching plant/mixer and at point ofconcreting done? Yes/No
18. Whether concreting is placed within initial setting time of mixing? Yes/No
19. Whether proper compaction with vibrator is done? Yes/No
20. Whether the concreting has been done in a lift not exceeding 1.5 m? Yes/No
21. Whether cubes as per requirement filled for testing? Yes/No
22. Signature of Junior Engineer …….
23. Signature of Assistant Engineer ……
24. Signature of Registrar……
    Post-concreting.
25. Whether shuttering stripped off as per specification, and laitance removed immediately thereafter? Yes/No
26. Whether proper arrangement of curing and curing period maintained as perspecifications? Yes/No
27. Whether hacking of RCC surface by proper hacking tool for subsequent plastering/finishing is carried out? Yes/No

CHECK LIST FOR BRICK WORK

1. Date of inspection
2. Drawing no.
3. Location
4. Material used for concrete whether tested
   (a) Sand Yes/No
   (b) Coarse aggregate Yes/No
   (c) Water Yes/No
   (d) Admixture, if any Yes/No
5. Whether structural drawings correlated with architectural drawings? Yes/No
6. Whether the centre line of column/beams checked with reference to grid lines as per architectural drawings? Yes/No
7. Whether bricks soaked in water before use for sufficient period? Yes/No
8. Whether queen closers are used at junction of walls? Yes/No
9. Whether brickwork is in true plumb and vertical and all layers truly horizontal? Yes/No
10. Whether graduated wooden straight edge storey rod being used for keeping height of brick courses uniform? Yes/No
11. Whether wall height being constructed in a day is being restricted to 1 m height? Yes/No
12. Whether parts of wall left at different levels are raked back at an angle of 45 degrees or less with the horizontal? (Toothing is not to be permitted) Yes/No
13. Whether top courses of all plinths, parapets, steps and top of walls below floorand roof slabs laid with brick on edge? Whether marucona provided at corners in such brickwork? Yes/No
14. Whether thickness of joints in brickwork is kept 1 cm ± 20%? Yes/No
15. Whether mortar of approved mix within maximum permissible water cement ratio is used? Yes/No
16. Whether all horizontal and vertical joints are being filled? Yes/No
17. Whether proper arrangement of curing and curing period maintained as per specification? Yes/No
18. Whether date of work done written? Yes/No

CHECK LIST FOR PLASTER WORK

1. Date of inspection
2. Drawing no.
3. Location
4. Whether materials used conform to relevant specifications and whethermandatory tests done? Yes/No
5. Whether surface cleaned of all loose mortar and efflorescence? Yes/No
6. Whether all conduiting and electrical piping done? Yes/No
7. Whether all doors, windows etc. fixed? Yes/No
8. Whether all defects of brickwork/CC/RCC rectified? Yes/No
9. Whether preparation of surface done? Yes/No
10. Whether 2.5 m long aluminum straight edge and plumb bob being used tocheck verticality and evenness of surface? Yes/No
11. Whether 15 cm x 15 cm bunda at every 2 m horizontally and vertically being provided to serve as gauges? Yes/No
12. Whether uniform groove provided at junctions of all plaster and ceiling plaster? Yes/No
13. Whether mortar of approved mix within maximum permissible water cement ratiois used? Yes/No
14. Whether proper arrangement of curing and curing period maintained as perspecifications? Yes/No
15. Whether date of work done written? Yes/No

CHECK LIST FOR WATER SUPPLY LINES

1. Date of inspection
2. Drawing no.
3. Location
4. Whether materials used conform to relevant Specifications and whethermandatory tests done? Yes/No
5. Whether plumber employed is licensed plumber or not? Yes/No
6. Whether plan for piping system has been prepared and got approved? Yes/No
7. Whether all pipes and fittings are ISI marked? Yes/No
8. Whether a sample system has been prepared and got approved? Yes/No
9. Whether clamps provided at specified spacing? Yes/No
10. Whether pipe lines checked at required pressure before covering? Yes/No
11. Whether weight of flushing pipe checked? Yes/No
12. Whether flushing cistern is ISI marked and internally painted with bitumastic paint? Yes/No
13. Whether fittings like wash basin, sink pan, cistern, bib cock, stop cock,wheel valves, etc. are ISI marked? Yes/No
14. Whether PVC water storage tank is ISI marked? If not, whether sample sent fortesting? Yes/No

Annexure -IV

TO WHOM IT MAY CONCERN

This is to certify that in the event of the TPQA work being entrusted to our institute/ our TPQA team will exhibit and ensure highest sense of probity and integrity and maintain strict confidentiality at all time.

It is further certified that neither the TPQA team nor any of its members shall disclose, share, or divulge any documents, information, or assessments related to the contract or TPQA activities to any person, firm, contractor, institute, or organization without prior written approval of Doctor Harisingh Gour Vishwavidyalaya (DHSGVV), Sagar (M.P.).

In the event of any breach of confidentiality by the TPQA team or any of its members, resulting in legal consequences, reputational damage, or any adverse implications for DHSGVV, DHSGVV shall have the right to recover appropriate financial damages from the TPQA Institute, as deemed fit, at its sole discretion.

(Authorized Signatory)

Name:

Designation:

Place:

Date:

SCHEDULE OF QUANTITY

Name Of Work: Construction of "Building for Institute of Engineering and Technology, Integrated Building for Hotel Management and Catering, Institute of Hospitality & Tourism Management and for Faculty of Management Studies and Commerce, Girls Hostel (1000-seater), Boys Hostel (1000-seater), Health Centre, Exam cum Computer Lab/IT Cell/Online Centre and Multipurpose Convention Centre"

SH:Rendering Third Party Quality Assurance Services (TPQAS)

Sl.No	Description	Project cost	Unit	Rate quoted in %	Amount
1	Detailed Third Party Quality Assurance Services (TPQAS) for the work of construction of "Building for Institute of Engineering and Technology, Integrated Building for Hotel Managementand Catering, Institute of Hospitality & Tourism Management and for Faculty of Management Studies and Commerce, Girls Hostel (1000-seater), Boys Hostel (1000-seater), Health Centre, Exam cum Computer Lab/IT Cell/Online Centre and Multipurpose Convention Centre" as per scope of work and terms and conditions of the contract.	404.26 crores	1 Job		
				(Inclusive all Taxes) Total Rs.	

Signature of Authorized Representative,

Third Party Quality Assurance (TPQA)

Agency

ANNEXURE-A

FORMAT FOR SUBMISSION OF FINANCIAL PROPOSAL

To,

Registrar,
Doctor Harisingh Gour Vishwavidyalaya,
Sagar (M.P.),

Sub:- Detailed Third Party Quality Assurance services for construction of "Building for Institute of Engineering and Technology, Integrated Building for Hotel Management and Catering, Institute of Hospitality & Tourism Management and for Faculty of Management Studies and Commerce, Girls Hostel (1000-seater), Boys Hostel (1000-seater), Health Centre, Exam cum Computer Lab/IT Cell/Online Centre and Multipurpose Convention Centre" as per scope of work and terms and conditions of the contract.

Sir,

I/We_____ TPQA herewith enclose financial bid for the evaluation of our institute as TPQA for above work as per the scope of work given under terms of reference.

Yours faithfully,

Signature_____

Full Name_____

Address_____

Tele Nos.: (0)_____(R)_____

E-mail:_____

Fax No:_____

(Authorized Representative of the TPQA)