

GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act. No. 20 of 2007)



**E –TENDER NOTICE NO: 23/2017-18
(Including Technical & Financial Bid)
For E – Assessment service of Answer Sheets**

**Gujarat Technological University
Near Visat Three Roads, Visat - Gandhinagar Highway, Chandkheda,
Ahmedabad, Gujarat 382424**

www.gtu.ac.in

SHORT E-TENDER FOR
E –Assessment of Answer Sheets Under Two Cover System

Estimated Tender Cost: 6.25 Crore
Tender Fee: Rs.15,000/-
EMD: 3% of Estimated Tender Cost

DATE OF INVITATION OF TENDER DOCUMENT	: 24-01-2018
LAST DATE AND TIME OF FINANCIAL BID SUBMISSION (ONLINE)	: 14-02-2018 6.00 p.m.
LAST DATE AND TIME OF TECHNICAL BID SUBMISSION (PHYSICAL)	: 15-02-2018 6.00 p.m.
TIME AND DATE OF OPENING OF TECHNICAL BID: 16-02-2018 3.00 p.m.	
PLACE OF OPENING OF TENDERS	: Office of the Registrar Gujarat Technological University, Near Visat Three Roads, Visat - Gandhinagar Highway, Chandkheda, Ahmedabad, Gujarat 382424
ADDRESS FOR COMMUNICATION	: The Registrar Gujarat Technological University, Near Visat Three Roads, Visat - Gandhinagar Highway, Chandkheda, Ahmedabad, Gujarat 382424
EMAIL	: registrar@gtu.ac.in

SECTION – I

Registrar, Gujarat Technological University, on behalf of Gujarat Technological University Ahmedabad, invites sealed tender offers (Technical bid and Commercial bid separately sealed) from leading, reputed, professionally & financially sound, well experienced registered companies/ agencies/ organizations/ firms in relevant and similar work for E-Assessment service of Answer Sheets.

A. Eligibility Criteria/Pre-qualification

1. The bidder/firm must possess the requisite experience, strength and capabilities for providing the services necessary to meet the requirements, as described in the TENDER document.
2. The applicant must also possess the technical know-how and the financial wherewithal that would be required to successfully provide the E – Assessment module sought by GTU.
3. The bids must be complete in all respect and should cover the entire scope of work as stipulated in the TENDER document.
4. The invitation to bid is open to all who qualify the eligibility criteria as given below. Eligibility criteria are mandatory and any deviation in the same will attract bid disqualification.
5. The bidder/firm shall be a software development company preferably operating in the education field.
6. The bidder/firm shall be in the software and services business for a minimum period of five years. Experience of affiliate, subsidiary or group companies under the same management may also be considered for qualification.
7. The average turnover of the bidder/firm in IT related activities like examination data processing, software development, e-assessment or on screen marking shall be average of 5 crores rupees for last three financial year as per annexure –A . The joint venture will be allowed for any of technical work require for the e-assessment/ assignment. In that case joint venture agreement on valid stamp paper will be required along with tender papers. For implementation of project principal tenderer will be sole responsible towards GTU.
8. The bidder/firm shall be an Indian company registered with Registrar of Companies in India.
9. The bidder/firm shall be the original developer of the E - Assessment software.
10. The bidder/firm shall have implemented such Online evaluation (E-Assessment) system in at least three UGC recognized Universities / educational institutes / Boards / Councils with minimum of 2,50,000 answer scripts per annum in India in last three years. The applicant shall have sufficient experience of implementing examination automation system at a time.
11. The bidder/firm shall have sufficient experienced professional/technical staff for conducting such automation work.
12. The Bidder should not be under a Declaration of Ineligibility or blacklisted with any of the Government/ Public sector unit Agencies/ University / educational institute / Board / Council.
13. The applicant shall submit all documentary proof of the above mentioned eligibility criteria with proof of work order or such other certificates.

B. Guiding Principles

Specific deliverables from the interested bidders as part of TENDER response would include:

- An understanding of the scope of work.
- An understanding of the various key activities and phases that are to be involved in successfully executing the scope of work.
- A high level time plan to accomplish the stated work.
- A high-level solution based on the understanding gathered.
- A high-level training schedule for end user training at the designated locations identified by the

university.

- The change management process to ensure effective implementation during rollout across the state.
- The migration of data from existing systems to the proposed solution using data templates.
- Support structure and service desk enablement at university or identified location post go-live.
- Assumptions, dependencies that were considered to arrive at the proposed solution.
- The proposed solution should be developed as an Integrated, Scalable, Modular and Highly Available solution.
- The proposed solution must be based on SOA principles and must adhere to a SOA based integration model across various applications of the IT portfolio.
- The proposed solution must implement a multi-level security across various tiers and software layers of the IT platform.
- The solution provider should implement all best practices from the industry in the proposed solution and across various phases of the software development life cycle.

SECTION II: INSTRUCTIONS TO TENDERERS

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SECTION II: INSTRUCTIONS TO TENDERERS (ITT)

A. Introduction

1. Cost of Tendering:

The Tenderer shall bear all costs associated with the preparation and submission of its tender, demonstration, dry-run, etc. as prescribed by the GTU and the Registrar, GTU Ahmedabad hereinafter referred to as "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the tender process.

B. The Tender Documents

2. Contents of Tender Documents

The goods and services required, tendering procedures and contract terms are prescribed in the tender documents. In addition to the Invitation for Tenders, the tender documents include:

- A. Instruction to Tenderers (ITT) ;
- B. General Conditions of Contract (GCC) ;
- C. Special Conditions of Contract (SCC) ;
- D. Schedule of Requirements;
- E. Tender Form
- F. Capability Statement Form

The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tender documents. Failure to furnish all information required by the tender documents or submission of a tender not substantially responsive to the tender documents in every respect will be at the Tenderer's risk and may result in rejection of its tender.

3. Amendment of Tender Documents

At any time prior to the deadline for submission of tenders, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer, modify the tender documents by amendment.

All prospective tenderers who have received the tender documents will be notified of the amendment in writing or email, and will be binding on them.

In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tenders, the Purchaser, at its discretion, may extend the deadline for the submission of tenders.

C. Preparation of Tenders

4. Language of Tender

The tender prepared by the Tenderer, as well as all correspondence and documents relating to the tender exchanged by the Tenderer and the Purchaser, shall be written in English language. Supporting documents and printed literature furnished by the Tenderer may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Tender, the translation shall govern.

5. Documents Constituting the Tender

5.1 The tender prepared by the Tenderer shall comprise the following components:

- A. A Tender Form and a Price Schedule completed in accordance with ITT Clauses 4, 5 and 6;
- B. Documentary evidence that the Tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;
- C. Tender security furnished in accordance with ITT Clause 10.

6. Tender Form

The Tenderer shall complete the Tender Form and the appropriate Price Schedule furnished in the tender documents, indicating the all the required documents with adequate proof of it.

7. Tender Prices

The Tenderer shall indicate on the Price Schedule the unit prices and total tender prices (these price should include prices of all the hardware & software to be incurred of the goods and services it proposes to use under the Contract.)

However any Indian duties, sales and other taxes which will be payable on the goods and services to be used by the tenderer should be bared by tenderer if this Contract is awarded;

Prices quoted by the Tenderer shall be fixed during the Tenderer's performance of the Contract and not subject to variation on any account. A tender submitted with an adjustable price quotation will be treated as non-responsive and rejected.

8. Tender Currency

Prices shall be quoted in Indian Rupees.

9. Documents Establishing Tenderer's Eligibility and Qualifications

9.1 Pursuant to ITT Clause 5, the Tenderer shall furnish, as part of its tender, documents establishing the eligibility and conformity to the tender documents of all goods and services which the tenderer proposes to use under the contract

9.2 The documentary evidence of conformity of the goods and services to be given by the tender documents may be in the form of literature, drawings and data, and shall consist of:

- (a) A detailed description of the essential technical and performance characteristics of the goods and services;
- (b) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- (c) a confirmation that, if the tenderer offers system and/or other software developed by another company, such software operates effectively on the system offered by the tenderer; and the tenderer is willing to accept responsibility for it's successful operations; and
- (d) A confirmation that the tenderer is the owner of the Intellectual Property Rights in the hardware and software items offered. Willful misrepresentation of these facts will lead to the cancellation of the Contract without prejudice of other remedies that the Purchaser may take.

10. Earnest Money Deposit:

10.1 Pursuant to ITT Clause 5, the Tenderer shall furnish, as part of its tender, an earnest money deposit (EMD) of 3% of Estimated Tender Cost. The DD as EMD should be pledged in the name of, **Gujarat Technological University, and payable at Ahmedabad.**

10.2 The earnest money deposit is required to protect the Purchaser against the risk of Tenderer's conduct which would warrant the security's forfeiture.

10.3 The earnest money deposit shall be denominated in Indian Rupees and shall: **Be in the form of a demand draft from a nationalized/Scheduled Bank located in India Only**

10.4 Any tender not secured in accordance with ITT Clauses 10.1 and 10.3 above will be rejected by the Purchaser.

10.5 Unsuccessful Tenderer's EMD will be discharged/returned as promptly as possible as but not later than 30 days after the expiration of the period of tender validity prescribed by the Purchaser.

10.6 The successful Tenderer's tender security will be discharged upon the tenderer signing the Contract, and furnishing the 10% performance security.

10.7 The tender security may be forfeited:

- (a) If a Tenderer
 - (i) Withdraws its tender during the period of tender validity specified by the Tenderer on the Tender Form; or
 - (ii) Does not accept the correction of errors; or
- (b) In case of a successful Tenderer, if the Tenderer fails:
 - (i) To sign the Contract in accordance; or
 - (ii) To furnish performance security.

11. Period of Validity of Tenders

11.1 Tenders shall remain valid for 120 days after the deadline for submission of tenders prescribed by the purchaser. A tender valid for a shorter period shall be rejected by the Purchaser as non-responsive.

In exceptional circumstances, the Purchaser may solicit the Tenderer's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The earnest money deposit provided under ITT Clause 10 shall also be suitably extended. A Tenderer may refuse the request without forfeiting its earnest money deposit. A Tenderer granting the request will not be required nor permitted to modify its tender.

12. Format and Signing of Tender (only if applicable)

12.1 The Tenderer shall prepare two copies of the tender, clearly marking each "Original Tender" and "Copy Tender", as appropriate. In the event of any discrepancy between them, the original shall govern.

12.2 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by the tenderer or a person or persons duly authorized to bind the tenderer to the Contract. The latter authorization shall be indicated by written power-of-attorney accompanying the tender. All pages of the tender, except for un-amended printed literature, shall be initialed by the person or persons signing the tender.

12.3 Any interlineations, erasures or overwriting shall be valid only if they are initialed by the persons or persons signing the tender.

D. Submission of Tenders

13. Sealing and Marking of Tenders

13.1 The Tenderers shall submit the tenders in person or by courier/registered post to this University on the prescribed tender form enclosed duly filled-in, signed in the sealed cover super scribed with the “E – Assessment Service of answer book” to Registrar, Gujarat Technological University. Technical Bid and Financial bid should be sealed separately.

13.2 The tenderers must assure to enclose the dully filled & signed of check list.

14. Deadline for Submission of Tenders

14.1 Tenders must be received by the Purchaser at the address specified later than the time and date specified in the Invitation for Tenders. In the event of the specified date for the submission of Tenders being declared a holiday for the Purchaser, the Tenders will be received up to the appointed time on the next working day.

14.2 The Purchaser may, at its discretion, extend this deadline for submission of tenders by amending the tender documents, in which case all rights and obligations of the Purchaser and Tenderers previously subject to the deadline will thereafter be subject to the deadline as extended.

15. Late Tenders

15.1 Any tender received by the Purchaser after the deadline for submission of tenders prescribed by the Purchaser, will be rejected and/or returned unopened to the Tenderer.

16. Modification and Withdrawal of Tenders

16.1 The Tenderer may modify or withdraw its tender after the tender's submission, provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of tenders.

16.2 The Tenderer's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of ITT Clause 14. A withdrawal notice may also be sent in person by a signed confirmation copy, post marked not later than the deadline for submission of tenders.

16.3 No tender may be modified subsequent to the deadline for submission of tenders.

16.4 No tender may be withdrawn in the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified by the Tenderer on the Tender Form. Withdrawal of a tender during this interval may result in the Tenderer's forfeiture of its earnest money deposit, pursuant to ITT Clause 10.7.

E. Tender Opening and Evaluation of Tenders

17. Opening of Tenders by the Purchaser

17.1 The Purchaser will intimated for the opening of tenders and Tenderers' representatives who choose to attend and attain tender opening in the following location

**OFFICE OF THE REGISTRAR
GUJARAT TECHNOLOGICAL UNIVERSITY
NEAR VISAT THREE ROADS, VISAT - GANDHINAGAR HIGHWAY,
CHANDKHEDA, AHMEDABAD, GUJARAT 382424**

The Tenderers' representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of Tender opening being declared a holiday for the Purchaser, the tenders shall be opened at the appointed time and location on the next working day.

17.2 The Tenderers' names, tender modifications or withdrawals, tender prices, discounts, and the presence or absence of requisite tender security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No tender shall be rejected at tender opening, except for late tenders, which shall be returned unopened to the Tenderer.

17.3 Tenders that are not opened and read out at tender opening shall not be considered further for evaluation, irrespective of the circumstances.

17.4 The Purchaser will prepare minutes of the tender opening.

18. Clarification of Tenders

18.1 During evaluation of tenders, the Purchaser may, at its discretion, ask the Tenderer for a clarification of its tender. The request for clarification and the response shall be in writing and no change in prices or substance of the tender shall be sought, offered or permitted.

19. Preliminary Examination

19.1 The Purchaser will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order.

19.2 Where the Tenderer has quoted for more than one schedule, if the tender security furnished is inadequate for all the schedules, the Purchaser shall take the price tender into account only to the extent the tender is secured. For this purpose, the extent to which the tender is secured shall be determined by evaluating the requirement of tender security to be furnished for the schedule included in the tender (offer) in the serial order of the Schedule of Requirements of the Tender document.

19.3 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the lower of the two will prevail. If the supplier does not accept the correction of errors, its tender will be rejected and its tender security may be forfeited.

19.4 The Purchaser may waive any minor informality or non-conformity or irregularity in a tender which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any Tenderer.

19.5 If a tender is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Tenderer by correction of the non-conformity.

20. Evaluation and Comparison of Tenders

The Purchaser will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to ITT Clause 19 for each schedule separately. No tender will be considered if the complete requirements covered in the schedule is not included in the tender. However, as stated in ITT Clause 7, Tenderers are allowed the option to tender for any one or more schedules and to

offer discounts for combined schedules. These discounts will be taken into account in the evaluation of the tenders so as to determine the tender or combination of tenders offering the lowest evaluated cost for the Purchaser in deciding award(s) for each schedule.

F. Award of Contract

21. Post qualification

21.1 In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Tenderer that is selected as having submitted the lowest evaluated responsive tender meets the criteria specified and is qualified to perform the contract satisfactorily.

21.2 The determination will take into account the Tenderer's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant, as well as such other information as the Purchaser deems necessary and appropriate.

21.3 An affirmative determination will be a prerequisite for award of the Contract to the Tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event the Purchaser will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform the contract satisfactorily.

22. Award Criteria

22.1 The university will award the Contract to the bidder whose proposal has been determined to be the successful bidder based on "Proposal evaluation method". An award may be made on the basis of the appraisals done by the technical committee and/or on the basis of negotiation with any of the respondents. The University will not disclose any information derived from the proposals submitted from competing offers in conducting negotiations. Further the University will take into consideration factors such as ability to service contracts, past experience, financial stability and other relevant criteria in the selection of the Bidder. GTU reserves its right to reject any or all proposals received and to cancel this tender process in part or in its entirety if it is deemed to be in its best interests. The GTU will award the Contract to the successful Tenderer whose tender has been determined to be substantially responsive and GTU may use the criteria as mentioned in "*Scoring of Technical Bids and technical qualification*" to evaluate the tender, provided further that the Tenderer is determined to be qualified to perform the Contract satisfactorily.

Proposal Evaluation Process

1. Proposals will be evaluated by a Committee of Experts (the "Committee") appointed by the university. Evaluations of bids will be only on the basis of information provided by the bidders in the proposals, or any additional information provided by the bidders against specific requests for clarifications sent by the university during the evaluation process.
2. The bids submitted with required EMD only considered
3. Evaluation of the bids will be done in the following sequence
 - a. Scrutiny of Bid Security and adherence to general guidelines
 - b. Evaluation of prequalification proposal
 - c. Evaluation of Technical proposal
 - d. Opening of commercial proposal
 - e. Final evaluation of the Techno commercial bid and finalization of the bid

Only those bids that have been technically qualified will be considered for opening the commercial bid. **The bids of the bidders who are not technically qualified shall not be considered for opening their commercial bid.**

Technical Proposal Evaluation

1. The Technical bid will be scrutinized for complying with the following requirements before going ahead with further evaluation of the bid.
 - a. Proposal Covering letter as response to the TENDER
 - b. Undertaking for non-infringement of patent/copyrights
 - c. Statement on Clarifications as required
2. Evaluation of the solution – the technical solution proposed by the bidder may be evaluated against the response to the TENDER and the final decision of the technical evaluation of the proposals submitted by the bidders shall vest with the university and the decision of the expert committee appointed by the university on the technical evaluation of the proposals shall be final and binding on all the bidders.
3. The E Assessment System sought by the university being sensitive and critical for the stake holders including students and faculties and involves the brand reputation of the university, it is hereby informed that strict compliance to the technical specifications vs the solution proposed by the bidders are paramount in selecting the successful bidder.

Scoring of Technical Bids and technical qualification

Sl. No	Particulars	Score
1	Technical Capability of the bidder as a solution provider for the E-Assessment solution*	20
2	ISO 9001:2008 & ISO 27001:2013 Certificates	5
3	Financial Capability as per Section-I Eligibility criteria sr. no. (2 & 7) of TENDER	10
4	Experience in Similar Project implementation with institutions (maximum score .25)	
	Minimum 3 universities	15
	From 4 – 8 universities	20
	Above 8 universities	25
5	Experience of delivering a minimum of 250000 answer sheet per annum (maximum score 25)	
	Between 2,50,000 to 5,00,000 lacs answer scripts/ pages 60 lacs to 120 lacs per annum	15
	More than 5 up to 10 lac answer scripts / pages 120 lacs to 240 lacs per annum	20
	More than 10 lac answer scripts / pages 240 lacs per annum	25
6	Approach and Methodology* (maximum score 15)	
	Understanding of Requirements	5
	Experience on implementation, operational excellence and customer feedback	5
	Project Management and implementation Plan	5

* Technical Capability and Approach and Methodology will be evaluated by expert committee based on quality of the solution proposed, presentation/discussions, appreciation certificates by other universities / school education boards, live site visit and years of experience in managing E-Re-assessment projects

Commercial Evaluation

The bidders, whose **Technical Score is 50 (fifty) and above** only shall qualify to for commercial evaluation, and the commercial bid of only these bidders will be opened.

Composite Evaluation

- a. **Techno commercial Evaluation:** All the bids for which the commercial proposals are opened and which are in order will be evaluated using a composite Techno Commercial Evaluation approach.
- b. The weightage given to the Technical and Commercial Proposals are:
Technical = 60% (weightage for Technical Proposal)
Commercial = 40% (weightage for Commercial Proposal)
- c. Technical Score (TS): The score obtained by the bidder in the technical evaluation which should be equal to or more than 50 (fifty).
- d. The Commercial Score (CS): The score obtained by the technically qualified bidder.
- e. The Final Score (FSn) out of the combined Techno commercial evaluation for a particular bidder shall be arrived as below:

$$\text{Final Score (FSn)} = (\text{TSn} \times 0.60) + (\text{CSn} \times 0.40)$$

Where n stands for the bidder under consideration

Calculation of the Commercial Scores (CS)

- i. Total Commercial Proposal: The Total Commercial Proposal of the bid will be the price quoted by the bidder in the commercial proposal for the scope of services contained in the TENDER. Applicable taxes extra.
- ii. Identification of the Lowest bid: Based on the Cost of each of the bidders, the bidder with the lowest price is identified as L1. All the other bids are listed based on the increasing value of L.
- iii. Calculation of the Commercial Score: The commercial Score for each of the bidders is calculated by using the method as below.
 - i. The bid with the lowest price l (L1) will be given the maximum commercial score (CS) of 100 points.
 - ii. The formula for determining the commercial score for the other bids is the following: $\text{CSn} = 100 \times \text{L1}/\text{Ln}$, in which CSn is the financial score for bidder n, L1 is the lowest bid value and Ln is the bid value of the proposal under consideration.

Identification of the successful bidder

The Final Score (FSn) for the successful bidder will be calculated as follows:

$$\text{FSn} = (\text{TSn} \times 0.60) + (\text{CSn} \times 0.40)$$

The combined score of the bidder achieving the highest FSn will be considered to declare the successful bidder.

23. Purchaser's right to vary Quantities at Time of Award

23.1 The Purchaser reserves the right at the time of Contract award to increase or decrease of the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

24. Purchaser's Right to Accept Any Tender and to Reject Any or All Tenders

The Purchaser reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderers.

25. Notification of Award

The university will award the Contract to the bidder whose proposal has been determined to be the successful bidder based on the above evaluation method.

1. Prior to the expiration of the validity period, The University will notify through a **“Letter of Intent”**, to the successful bidder in writing that their proposal has been accepted and invite them for signing a formal contract.

26. Signing the contract

The University shall execute a formal contract with the bidder on mutually agreeable terms and conditions and as per the TENDER and the bid submitted in response to the TENDER by incorporating all necessary terms and conditions to protect the continuing interest of both the parties while implementing the said project. The contract shall clearly specify the deliverables under the scope of service, duration of the contract, payment terms, performance metrics and responsibility matrix of both the parties and protection of the interest of both the parties, penalty for non-performance of both the parties, force majeure, etc. in accordance with the Indian contracts Act. The successful bidder shall sign the contract in specified time period.

27. Performance Security

27.1 Within 15 days of the receipt of order of award from the Purchaser, the successful Tenderer shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the tender documents or in another form acceptable to the Purchaser.

27.2 Failure of the successful Tenderer to comply with the requirement of ITT Clause 26 or ITT Clause shall constitute sufficient grounds for the annulment of the award and forfeiture of the earnest money deposit, in which event the Purchaser may make the award to the next lowest evaluated Tenderer or call or new tenders.

28 successful tenderer has to submit deposit as security deposit of 5% of tender value in the form of demand draft in favor of “Gujarat Technological University” Payable at Ahmedabad within 15 days after receiving the work order.

29. Corrupt or Fraudulent Practices

29.1 The University requires that Tenderers/ Suppliers/ Contractors observe the highest standard of ethics during the procurement and execution of financed contracts. In pursuance of this policy, the University:

(a) Defines, for the purposes of this provision, the terms set forth as follows:

- (i) “Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
- (ii) “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Government, and includes collusive practice among Tenderers (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition;

(b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government financed contract.

30. Lack of Competition

1. If a situation arises where if after evaluation of bids, the tendering authority ends up with one responsive Bid only and in such situation, the tendering authority would check as to whether while floating the tender all necessary requirements to encourage competition like standard bid conditions, industry friendly specifications, wide publicity, sufficient time for formulation of Bids, etc were fulfilled. If not, the tender would be re-floated after rectifying deficiencies.
2. The bid process shall be considered valid even if there is one responsive Bid, provided that:
 - i. the Bid is technically qualified
 - ii. the price quoted by the bidder is assessed to be reasonable
 - iii. the Bid is unconditional and complete in all respects
 - iv. there are no obvious indicators of cartelization amongst bidders and
 - v. the bidder is qualified as per the provisions of pre-qualification/ eligibility criteria in the bidding document
3. The tendering authority shall prepare a justification note for approval by the next higher authority of the procuring entity and with the concurrence of the committee.
4. In case of dissent by any member of bid evaluation committee, the next higher authority in delegation of financial powers shall decide as to whether to sanction the single Bid or re-invite Bids after recording reasons.
5. If a decision to re-invite the Bids is taken, market assessment shall be carried out for estimation of market depth, eligibility criteria and cost estimate.

31. Short Closure of the Contract

The proposed project being sensitive and have impact on the students community, the University shall vest the rights to short close the contract awarded to the successful bidder, in case the bidder fails to deliver the services as per the scope of work for a continued period of six months or one exam cycle whichever is shorter. However, the contract shall not be short closed for any reason, whatsoever, other than the non-performance related issues of the bidder.

Registrar

Date.....
Name of Firm
Address
.....
Pin code No.....

I / We have read carefully and have understood the same in vernacular known to me / us about all the Standard Terms & Conditions and I / we hereby agrees to the same and shall abide by them hence this verification

Seal & Signature of the Vender

SECTION III: GENERAL CONDITIONS OF CONTRACT
TABLE OF CLAUSES

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SECTION III – GENERAL CONDITIONS OF CONTRACT

General Conditions of Contract

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
- (c) "The Goods" means all the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;
- (d) "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, scanning and other such services as required for implementation of e-Assessment system including other obligations of the Supplier covered under the Contract;
- (e) "GCC" means the General Conditions of Contract contained in this section.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Purchaser" means the organization purchasing the Goods and services, as named in SCC.
- (h) "The Purchaser's country" is the country named in SCC.
- (i) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
- (j) "The Government" means the Government of Gujarat State.
- (k) "The Project Site", where applicable, means the place or places named in SCC.
- (l) "Day" means calendar day.

2. Application

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

3. Standards

3.1 The Services/Software/Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Services/Software/Goods' country of origin and such standards shall be the latest issued by the concerned institution.

4. Use of Contract Documents and Information; Inspection and Audit by the Government

4.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

4.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated in GCC Clause 4.1 except for purposes of performing the Contract.

4.3 Any document, other than the Contract itself, enumerated in GCC Clause 4.1 shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

4.4 The supplier shall permit the GTU to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the GTU, if so required by the GTU.

5. Patent Rights

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Services/Software/Goods or any part thereof in India.

6. Performance Security

6.1 Within 15 days of receipt of the letter of contract award, the Supplier shall furnish Performance Security to the Purchaser for an amount of 10% of the Contract Value excluding annual Maintenance Cost, valid up to 60 days after the date of completion of performance obligations including Warranty obligations. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected/replaced material shall be extended to a further period of 24 months and the Performance Bank Guarantee for proportionate value shall be extended 60 days over and above the initial Warranty period.

6.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

6.3 The Performance Security shall be denominated in Indian Rupees and shall be in one of the following forms:

- (a) A Bank guarantee or irrevocable Letter of Credit, issued by a nationalized/scheduled bank in the form provided in the tender documents or another form acceptable to the Purchaser; or
- (b) A cashier's check or Banker's certified check, or crossed demand draft or pay order drawn in favor of the Purchaser.; or
- (c) Specified small savings instruments pledged to the Purchaser

6.4 The Performance Security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any Warranty obligations, under the Contract and following receipt of a performance guarantee for 2.5% of the contract value excluding annual maintenance costs towards guarantee for the annual maintenance as stated in Clause of SCC..

6.5 In the event of any contract amendment, the Supplier shall, within 20 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract as amended for 60 days after the completion of performance obligations including Warranty obligations.

6.6 Failure to submit the bank guarantee for annual maintenance service in the period specified above will constitute sufficient ground for forfeiture of the performance guarantee.

7. Inspections and Tests

7.1 The Purchaser or its representative shall have the right to inspect and/or to test the Services/Software/Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. SCC and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.

7.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Services/Software/Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.

7.3 Should any inspected or tested Services/Software/Goods fail to conform to the specifications, the Purchaser may reject the Services/Software/Goods and the Supplier shall either replace the rejected Services/Software/Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

7.4 The Purchaser's right to inspect, test and, where necessary, reject the Services/Software/Goods after the Services/Software/Goods' arrival at Project Site shall in no way be limited or waived by reason of the Services/Software/Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

7.5 Nothing in GCC Clause 7 shall in any way release the Supplier from any warranty or other obligations under this Contract.

7.6 Manuals and Drawings

7.6.1 Before the Services/Software/Goods and equipment are installed at the site, the Supplier shall supply operation and maintenance manuals together with drawings of the Services/Software/Goods and equipment.

7.6.2 The manuals and drawings shall be in the ruling language (English) and in such form and numbers as stated in the contract.

7.6.3 Unless and otherwise agreed, the Services/Software/Goods and equipment shall not be considered to be completed for the purpose of taking over until such manuals and drawings have been supplied to the Purchaser.

7.7 For the System & Other Software the following will apply:

The Supplier shall provide complete and legal documentation of hardware, all sub-systems, operating systems, compiler, system software and the other software. The Supplier shall also provide licensed software for all software products, whether developed by it or acquired from others. The supplier shall also indemnify the purchaser against any levies/penalties on account of any default in this regard.

7.8 Acceptance Certificates:

7.8.1 On successful completion of acceptability test, receipt of deliverables etc. and after the purchaser is satisfied with the working of the system, the acceptance certificate signed by the supplier and the

representative of the purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the systems.

7.8.2 The training as per Special Conditions of Contract shall be conducted on the dates mutually agreed upon and within one months from the date of acceptance of supply.

8. Prices

8.1 Prices payable to the supplier as stated in the contract shall be firm during the performance of the contract.

9. Contract Amendments

Subject to GCC, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

10. Assignment

10.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

11. Subcontracts

11.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the tender. Such notification, in his original tender or later, shall not relieve the Supplier from any liability or obligation under the Contract. Sub-contracts shall be only for bought out items and sub-assemblies.

11.2 Subcontracts must comply with the provisions of contract.

12. Delays in the Supplier's Performance

12.1 Performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser in the Schedule of Requirements.

12.2 If at any time during performance of the Contract, the Supplier should encounter conditions Impeding timely performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

13. Liquidated Damages

13.1 If the Supplier fails to Perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.1% of the delivered price of unperformed Services for each day or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the Purchaser may consider termination of the Contract.

14. Termination for Default

14.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

- (a) If the Supplier fails to perform any other obligation(s) under the Contract.
- (b) If the Supplier, in the judgement of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Clause:

“Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

14.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

15. Termination for Insolvency

15.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

16. Termination for Convenience

The Purchaser, by written notice of not less than 6 months sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

17. Settlement of Disputes

17.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.

17.2 If, after Sixty (60) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

17.2.1 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Services/Software/Goods under the Contract.

17.2.2 Arbitration proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

17.3 Notwithstanding any reference to arbitration herein,

- (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) The Purchaser shall pay the Supplier any money due to the Supplier.

18. Governing Language

18.1 The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

19. Applicable Law

The Contract shall be interpreted in accordance with the laws of the Union of India.

20. Notices

20.1 Any notice given by one party to the other pursuant to this Contract shall be sent to other party in writing to the other Party's address specified in SCC.

20.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

21. Taxes and Duties

21.1 Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the Services/Software/Goods to the Purchaser.

SECTION IV: SPECIAL CONDITIONS OF CONTRACT

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SECTION IV: SPECIAL CONDITIONS OF CONTRACT

Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the General Conditions is indicated in parentheses.

1. Definitions (GCC Clause 1)

(a) **The Purchaser is The Registrar of Gujarat Technological University Ahmedabad**

(b) The Supplier is.....

2. Inspection and Tests (GCC Clause 7)

As mentioned in Scope of Work

3. Duration of Contract and Payment System:

On successful implementation of the solution for an examination cycle, initially the period of contract shall be for a period of 2 years. On completion of the two year term, the contract may be further renewed for more 2 years, after mutual discussions and consideration of any special terms that may be added, amended or existing terms that may be deleted.

Sl. No.	Particulars of Task (Includes procuring sufficient numbers of scanners, Servers and UPS etc.)	Amount to be released in (%)
1	After Scanning of Answer Scripts	20%
2	After uploading all the E-Answer Scripts on cloud/server and posting of marks on GTU Server after assessment	20%
3	After Declaration of Result	20 %
4	After Completion of Entire Process including Reassessment, Submission of Reports as desired by GTU, showing the Answer Scripts to student under RTI Act and transfer all the Scanned answer-books images in appropriate format in the University Server/Cloud	40%

Under no circumstances the advance payment will be made to the service provider.

4. Settlement of Disputes (Clause 17)

The dispute settlement mechanism to be applied pursuant to GCC Clause 17.2.2 shall be as follows:

- (a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996 by a Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely the Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative Dispute Resolution (India). A certified copy of the appointment Order shall be supplied to each of the Parties.
- (b) Arbitration proceedings shall be held at Ahmedabad, Gujarat, India, and the language of the

arbitration proceedings and that of all documents and communications between the parties shall be English.

- (c) The decision of the Arbitrator shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the Arbitrator. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings shall be borne by each party itself.

5. Notices (Clause 20)

For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.

Purchaser:

**THE REGISTRAR
GUJARAT TECHNOLOGICAL UNIVERSITY,
NEAR VISAT THREE ROADS, VISAT - GANDHINAGAR HIGHWAY,
CHANDKHEDA, AHMEDABAD, GUJARAT 382424**

Supplier: (To be filled in at the time of Contract signature)

.....
.....
.....

6. Patent Rights:

In the event of any claim asserted by a third party of infringement of copyright, patent, trademark or industrial design rights arising from the use of the Services/Software/Goods or any part thereof in the Purchaser's country, the supplier shall act expeditiously to extinguish such claim. If the supplier fails to comply and the Purchaser is required to pay compensation to a third party resulting from such infringement, the supplier shall be responsible for the compensation including all expenses, court costs and lawyer fees. The Purchaser will give notice to the supplier of such claim, if it is made, without delay.

7. Site Preparation and Installation:

The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the hardware and software.

8. Hardware Installation:

The Supplier is responsible for all unpacking, assemblies, wiring, installations, cabling between hardware units and connecting to power supplies. The Supplier will test all hardware operations and accomplish all adjustments necessary for successful and continuous operation of the hardware.

SECTION V: SCHEDULE OF REQUIREMENTS
E –Assessment for GTU, Examination Section of GTU, Ahmedabad

EMD : 3% of Estimated Tender Cost

Brief Description
<p><u>E –Assessment for GTU</u> To The Registrar Gujarat Technological University Ahmedabad.</p> <p>Terms and conditions / Salient features of the project</p> <ol style="list-style-type: none">1) It is to be clearly understood that GTU is the CLIENT/Purchaser and the SERVICE PROVIDER is the VENDOR/Supplier.2) The software pertains to University and is CONFIDENTIAL3) The functional and nonfunctional requirements are as follows; <p>A. After Exams</p> <ol style="list-style-type: none">a) Digital E-Scanningb) Digital E- Assessmentc) Digital E- Reassessment of Answer Scripts.d) Showing Digital Answer Scripts to Studentse) Feed Back from the Stake Holders <p>B. Other Special and General Requirements</p> <p style="text-align: center;"><u>Details of the Scope of Works</u></p> <p>Objective:</p> <p>The University has partly developed an ICT enabled examination management system to bring efficiency, punctuality and reliability in its various processes such as question paper generation, question paper delivery etc and has implemented system for digitization of answer scripts, e-assessment, result processing and certificate/mark sheet generation over the last few years. The University intends to continue with the implementation of e-assessment system to meet the future challenges.</p> <p>A. After Exams</p> <ol style="list-style-type: none">a) Digital E-Scanning Digital E-Scanning must adhere to meet the following <ol style="list-style-type: none">1) Scanning Resolution – minimum 200 DPI, much importance / emphasis must be given to the quality of scanning.2) Decrease in the quality of scanning and wrong scanning of an answer script will attract a penalty of Rs. 1,000/- per script.3) Scanned answer scripts must be stored in a server and the data shall be shared as per the direction of Registrar from time to time.4) Scanning process should have the ability to read Barcode of the answer booklet. This data shall be mapped to the database at GTU server.

- 5) Size of scanned answer script image shall not exceed 2.5 MB without compromising the quality. Lesser size of the image without compromising with the quality will be appreciated.
- 6) Automatic generation of unique random numbers for each script as desired by GTU.
- 7) Masking of selected fields on any or every page of the answer booklet.
- 8) Question paper and scheme of valuation shall be scanned and made available during E-A.
- 9) Anonymized Scripts: The definite fields which reveal the identity of the script (including inner sheets) shall be masked and made available for evaluation.
- 10) Copies of the scanned images are to be distributed electronically to be made available for evaluation on the screen by evaluators.
- 11) Scanned scheme of evaluation to be provided during valuation along with answer script.

b) Digital E- Assessment

Digital E- Assessment must adhere to meet the following

- 1) There must be a master database to cater the following
 - Managing College information
 - Managing Course/Semester/Subjects information
 - Managing Evaluators information
- 2) Allocating specific subject to specific examiners who are expert in the respective subject as per the instructions of GTU.
- 3) Provision to carry out multiple E-Assessment simultaneously
- 4) Provision of Multiple E-Assessment of the same script by different valutors (e.g.: 2 valutors will evaluate the script, and according to the prevailing norms of university answer-script will go for 3rd E-Assessment).
- 5) The software shall be user friendly with Answer Script, Question paper, Scheme, and marks entry shall be provided on screen in single window.
- 6) In case of Reassessment, multiple E-Assessment of the same scripts simultaneously/ separately be enabled as per the requirements of the University from time to time. One /two/three user login name/s with one/two/ three different passwords shall be provided. Report sheet provision shall be made to print two/three evaluator's names.
- 7) For Reassessment the specified scripts shall be extracted and shall be made available for valuation to the evaluators.
- 8) Randomization of scripts: The answer script shall not be evaluated twice by the same evaluator unless it is specified as per the regulations of GTU, which may change from time to time.
- 9) There should be a provision to provide training to the examiners/evaluators and supplier should prepare e-content for to the examiners as and when desired by GTU.
- 10) After E-Assessment final scores are to be tabulated automatically as per the regulations / conditions set in the Question Paper and shall be provided as digital output to the existing examination server / marks server for result processing in the format required by the GTU.
- 11) After the completion E- Assessment by an examiner and scripts are moderated by concerned moderator, a printout of the marks sheet to be taken including, random number, marks allocated by the examiner and moderator, name, affiliation and signature of both examiner and moderator. Replica of the marks sheet shall be available, once the consolidated marks sheet is printed (day-wise for each valuer), the marks sheet shall be stored in PDF Format. This shall contain details mentioned above and shall be accessible only to Registrar with the id and password.
- 12) Marks awarded by the examiners shall be stored at the Centralized Server located at GTU.
- 13) Ready information that allows real time monitoring of E- Assessment quality.
- 14) Provision to show / provide soft copy of the answer copies to the students under RTI act 2005 as desired by GTU.
- 15) Option for archival of digitally evaluated answer copies for a period of 2 years

- 16) Question paper and answer key reference during E- Assessment
- 17) Provision for rotation, zooming of answer copies during digital E- Assessment
- 18) Authentication: Providing suitable authentication using login id and password and provision shall also be for the password to be sent on the registered mobile of the examiner. Provision of the unique password at each login should be there.
- 19) Transfer of data as per the directions of the Registrar.
- 20) The system should have the facility to upload the faculty details using the standard data template, along with their subject mapping. Solution should be given for authenticating the examiners to evaluate the Digitized answer scripts. Solution should provide individual department wise access to manage entire evaluation process and monitoring. Solution should provide the dynamic allocation of published answer scripts feature which enables the University officers to allocate the digitized answer script to available faculties.
- 21) The system should provide SMS and email notification to the registered faculties after the scripts are allocated along with the username and password to access the E Assessment system. Also SMS and email reminder should be sent to faculties at certain interval of time and/or set threshold norms provided by University.
- 22) The system should have Intuitive GUI interface and can be Menu Driven, provides Error Messages, Validation Messages, Offering Pick-up Lists, Prompting for next / correct action etc. to make user feel easy to learn and operate. The answer script image panel should have the maximum view area for the evaluators.
- 23) The system should be real-time online system wherein examiner can carry out evaluation in easy and convenient manner through Internet system.
- 24) Day wise allocation: There should be an option to control day wise allocation of the script for the E - Assessment. There should be an option to set this faculty wise and subject wise i.e. if an evaluator starts a new subject then it should start from 1st day count. There should be an option to change the above number as and when it is required, on the direction of the GTU. The option to enter the max script count should be available.
- 25) While correcting the answer sheets, the evaluators should have the same feeling as they have while correcting the answer sheets in the traditional way. Thus the system should have the provision of red marking tool for correcting and striking etc. And marks allotted should be automatically saved/ stored on completion of assessment. For graphical subjects and subjects having graph/drawing, the system should have usual technical measurement tools require for appropriate evaluation. Also for such subjects appropriate care should be taken at the time of scanning so that the figures/drawing made by pencil are clearly visible and did not get smudged/distorted while zoom in/out to evaluator.
- 26) The system should have toggle views of question paper and answer sheets for evaluators to refer to the question paper immediately while they are marking the answer scripts.
- 27) The system should provide the total marks for each question and allow the evaluators to allot the marks in the answer scripts or at any specific places provided.
- 28) The system should automatically sum up the total marks pertaining to that answer sheet and in accordance with question paper template.
- 29) The system should allow appropriate controls for the evaluators to refer to the corrected answer scripts at any point of time and re-evaluation of particular answer before final submission/evaluation.
- 30) After completing the final evaluation of a particular answer script, the examiner may “submit” the answer script and access the next answer script for evaluation.
- 31) While totaling the marks, verification of marks with the question paper and the evaluation scheme may be carried out by the system and final marks should be displayed.
- 32) University may introduce moderation so, provision of moderation of answer books should be incorporated in the system.

- 33) The marks should be parked to the university marks server based on completion of evaluation and there should be the provision for taking guidance and confirmation from University Officials for the purpose of further result processing.
- 34) Features for appropriate report generation should be incorporated. Some of the features or parameters include percentage of pass out/percentage of failed out of all the subject or in a particular subject, Semester, Course, College-Evaluators wise report etc.
- 35) The service provider should provide the required training material while training and appropriate help menu, user manual and illustrative demonstration videos should be incorporated in the system for end-users.
- 36) Provision for Report generation and printing of the summary of the answer book assessed and moderated by the examiner should be provided.
- 37) Moderation facility should be provided in the software.
- 38) The marks awarded by the valuator shouldn't be shown to the moderator during evaluation but both the marks should be shown to him when he completes the script. The Faculty ID and the NAME should displayed during the evaluation of the script
- 39) Cancel evaluation: There should be an option to make E-Valuation of a particular script NULL and VOID and make it available again for E-Assessment.
- 40) Disable faculty ID: There should be an option to disable/enable the valuator/Moderator ID once they take the valuation summary. This option can be mapped to the login desired by GTU.
- 41) Allocation of Answer-Script: The allocation list should be made available to GTU.
- 42) De-allocation of Answer scripts: The option provided to the valuator to de-allocate the script should be made available on the first screen itself. Option to be given to the GTU user to view the allocated scripts which are not valued.
- 43) Generation of Mark: There should be option to generate the marks in delimited format date wise.
- 44) Porting of data: The marks submitted by the examiner/moderator shall be ported to the GTU examination server.
- 45) Security: Suitable security measures to ensure reliable evaluation process. Secrecy/confidentiality of the process should be maintained. Only authorized users should have access to the system. Each and every activity should be recorded and the system should keep audit trail of all steps. Also complete log of all activities of evaluators need to be maintained during the course of evaluation to enable complete audit ability of the evaluation process.
- 46) Analysis: Real time, item level data to support quality analysis of scripts and examiners performance.
- 47) Efficiency: The E-Assessment shall be efficient and speedy, there should not be manual script-handling and manual data-entry
- 48) Reliability: System should provide dynamic tools to monitor and control the E - Assessment process by:
 - Assuring anonymity of test-taker to achieve maximum credibility
 - Flexibility to examiners by enabling E-Assessment of answer scripts form anywhere in a secure manner.
 - Final marks calculated for every script shall be based on the regulations of the University which will be informed from time to time.
 - The company shall be held responsible if any discrepancy found in the marks awarded by the evaluator to the script and output data provided for further processing
 - Reports
 - Supervisor have access to consult a range of reports that help identify issues
 - Statistics according to College/Subject/ Zone wise
 - Comparison of results
 - Providing Report College wise, subject wise, Zone wise as desired by GTU.
- 49) Centralized monitoring and reporting

- The system should have a separate module to monitor the evaluation of each evaluator at any particular point of time. The system should allow access to report generation & monitoring features, according to the admin controls provided. The system should have standard reports about the status of evaluation at any point of time. The system should be capable of generating daily, weekly, monthly and consolidated reports as per the requirement of the University.
- The system should be able to display the corrected answer scripts both with and without the marks, as required by the University. The system should have provision to give access of the answer scripts to the student/faculty/University-Officials who is permitted by the University both before the evaluation and after the evaluation.
- After completion of all examination results related activity system should transfer all the Scanned answer-books images in appropriate format in the University Server/Cloud. The answer-book image/files should be properly indexed and tagged for easy access and retrieval. The service provider need to provide an access and retrieval mechanism to fetch the answer-script file/image of a specific subject(s) of specific semester and/or examination for student(s) based on barcode(s)/enrolment number(s), at any point of time even after completion of examination cycle.

50) Module/Dash-board for College Principal for monitoring and reporting

- The system should have a separate module for College Principal/GTU-Coordinator to monitor the evaluation of each evaluator for his/her institute at any particular point of time. The system should allow access to report generation & monitoring features, according to the admin controls provided to Principal/GTU-Coordinator. The system should have standard reports about the status of evaluation by his/her college faculties at any point of time. The system should be capable of generating daily, weekly, monthly and consolidated reports indicating completed and pending evaluation by the faculties of the institute. The user-name and password to access such facility should be communicated to Principal/GTU-coordinator on his/her designated mobile number/email id.

c) **Digital E- Re -Assessment of Answer Scripts**

Digital E- Re -Assessment of Answer Scripts as per GTU norms, which may change from time to time. University will provide the re-evaluation norms and re-evaluation application data to solution provider for uploading the answer booklets for next level of evaluation. The automation of re-re-evaluation process is based on the rules and guidelines of the university.

d) **Showing Digital Answer Scripts to students**

The system should be able to display the corrected answer scripts both with and without the marks to the students, as and when required by the University. The system should have provision to give access of the answer scripts to the student/faculty/University-Officials who is permitted by the University.

e) **Feed Back from the Stake Holders**

Provision shall be made available to submit the feedback from the stake holders like Principals, evaluators, Coordinators, Students in the format issued by the University from time to time and analysis of the feedback submitted shall also be carried out.

NOTE: The entire range of activities mentioned above is time bounded. Vendor should adhere to the time bonds fixed for Scanning/digitization, E-Assessment, E-Reassessment, including pre-exam, exam and post exam activities. E-Assessment Results should be provided to the University within 30 days of completion of examinations.

B. Other Special and General Requirements

1) The supplier shall setup the following infrastructure to provide the above services:

- a) University will collect the answer scripts from the examination centres and handover to the Digitization Centre in GTU Campus. The service provider should manage answer script stacking starting from receiving of answer scripts to mapping to a placeholder in the rack provided by university. All answer script barcode will be gunned using the bar code reader and bag ID will be generated and pasted on the Bags. Each bag will be mapped to the respective rack for easy pull out of answer script in case required.
- b) Install necessary IT infrastructure consisting of software, hardware, network connectivity, back up and maintain them during the contract period (Space on Cloud to store digitized answer book and Band width to the examiners will be provided by GTU)
- c) Backup strategy and safety mechanisms (industry standard) should be carefully designed and incorporated in to the software. At all-time data shall remain safe and the Software /Hardware shall be operational during any contingency.
- d) Set up Digitization of Answer book in centers provided by GTU uploading of these digitized answer books to the server as desired by GTU.
- e) Maintain the digitized answer scripts for a period of 2 years with backup.
- f) Porting existing data wherever necessary
- g) Ensure high quality scanning (Minimum 200 DPI)
- h) Provide training to the University official and technical staff to handle the IT infrastructure and software.
- i) Providing preliminary training through developing videos / E-Content and user software guide to evaluators.
- j) Security is the prime concern. Different types of users and different types of roles should be identified and clearly defined. User should be assigned definite roles. Proper authorization and authentication mechanisms (industry standard) shall be met.
- k) Provide up gradations/amendments on continual basis during the tenure of the project to ensure the system is up to-date and meets the growing requirements of the university.
- l) Vendor should have their own software.
- m) The documentation of the entire project at each stage, reference manual and diagrammatic flow of the different processes shall be made available to the University.
- n) Provide required man power for scanning and for handling other technical and non-technical activities involved in this project

2) Non functional requirements

- **Availability:** A system's availability, or "uptime," is the amount of time that it is operational and available for use. This is specified because some systems are designed with expected downtime for activities like database upgrades and backups.
- **Efficiency:** Specifies how well the software utilizes scarce resources: CPU cycles, disk space, memory, bandwidth, etc.
- **Flexibility:** The software deployed shall be flexible for any amendments / additions/deletions on the oral instructions of the Registrar his representatives followed by the Approval of Registrar.
- **Portability:** Portability specifies the ease with which the software can be installed the platforms on which it is expected to run.
- **Integrity:** Integrity requirements define the security attributes of the system, restricting access to features or data to certain users and protecting the privacy of data entered into the software.

- **Performance:** The performance constraints specify the timing characteristics of the software. Certain tasks or features are more time-sensitive than others; the nonfunctional requirements should identify those software functions that have constraints on their performance.
- **Reliability:** Reliability specifies the capability of the software to maintain its performance over time. Unreliable software fails frequently, and certain tasks are more sensitive to failure (for example, because they cannot be restarted, or because they must be run at a certain time).
- **Reusability:** Many systems are developed with the ability to leverage common components across multiple products. Reusability indicates the extent to which software components should be designed in such a way that they can be used in applications other than the ones for which they were initially developed.
- **Robustness:** A robust system is able to handle error conditions gracefully, without failure. This includes a tolerance of invalid data, software defects, and unexpected operating conditions.
- **Scalability:** Software that is scalable has the ability to handle a wide variety of system configuration sizes. The nonfunctional requirements should specify the ways in which the system may be expected to scale up (by increasing hardware capacity, adding machines, etc.).
- **Usability:** Ease-of-use requirements address the factors that constitute the capacity of the software to be understood, learned, and used by its intended users.

3) Overall Activities to be Undertaken by service provider

Activities at Scanning Centre Level:

- Bidder/supplier/tenderer should be able to scan at least 40,000 scripts per day (including all scanning centers).
- There may be up to 05 different scanning centers as desired by GTU.
- Bidder should be able to deploy the required infrastructure and skilled manpower to the scanning centers. Well Trained, professional and loyal manpower for whole digitization process should be available round the clock. At least one high-level project manager having at least 5 years experience of handling such projects should be deployed by the service provider. Also at least one technical executive, who have been part of development team of the solution or such other development projects and having not less than 5 years of experience should be deployed by the service provider at the University project site. The details of the deputed manpower with contact no. should be available with the designated officer of the University.
- Receiving scripts for scanning.
- Scanning of scripts without discrepancies. All the pages in the answer booklets must be scanned. Utmost care should be taken in handling of the answer books and no single answer book should be missed out during the scanning process.
- Verification of scanned images.
- Uploading of scanned images to scanning server.
- Randomization of answer scripts.
- Masking of answer script facing sheet and other required fields.
- Uploading of scanned answer booklets to GTU Server/Cloud assigned by GTU.

4) Archives

- All Records of Student and student's page must be available on Archives
- Scanned Image of Answer Scripts shall be available for two years
- Verification of any mark list record can be done on request of Student later on Approval of Registrar.

5) Other Terms and conditions

- Entire system (Hardware & software) should be error free. University cannot afford to have 0.00001% of error. The whole system must cater to the needs of evaluation with 100% accuracy.
- There shall be a provision for random verification up to 2% at the cost of supplier
- Marks shall be finalized as per the University regulations.
- Shall be able to implement for the immediate examination cycle after award of contrat.
- **If, the scanned image calls for rescanning, then Rs. 1000/- Per Script will be fined to the agency and the scripts are to be searched by the agency under the supervision of a coordinator.**

Date.....
Name of Firm
Address
.....
Pin code No.....

I / We have read carefully and have understood schedule of requirements and details of scope of work for E –Assessment at GTU and along with all the Standard Terms & Conditions and I / we hereby agrees to provide the same and shall abide by them hence this verification.

Seal & Signature of the Vender

**CHECK LIST FOR TENDERER TO BE SUBMITTED ALONGWITH TENDER
(TECHNICAL BID)**

The following documents are attached with the tender:-

1.	Page No. to entire set of signed Tender and documents enclosed with it.	Yes / No.	Total Page No. _____
2	Whether EMD and Tender Fee in term of Demand Draft are placed in separate cover?	Yes / No.	Page No. _____
3	Whether copy of GST Registration is attached?	Yes / No.	Page No. _____
4	Whether copy of Income-Tax return /assessment order of last year is attached	Yes / No.	Page No. _____
5	Whether work experience certificates are attached?	Yes / No.	Page No. _____
6.	Whether all annexure as per tender are attached?	Yes / No.	Page No. _____
7.	Whether CA certificate turnover sheet (as per annexure –A) is attached?	Yes / No.	Page No. _____
8	Whether all documents self – attested by bidder or authorised person?	Yes / No.	Page No. _____

TENDER FORM

Date:
.....

No:

To: (Name and address of purchaser)

**THE REGISTRAR
GUJARAT TECHNOLOGICAL UNIVERSITY
NEAR VISAT THREE ROADS, VISAT - GANDHINAGAR HIGHWAY,
CHANDKHEDA, AHMEDABAD, GUJARAT 382424**

Dear Sir/Madam

Having examined the Tender Documents including Addendum Nos..... *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply our services of E – Assessment Service of Answer Book in conformity with the said tender documents for the sum of *(Total tender amount in words and figures)* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this tender.

I/We undertake, if our tender is accepted, our services for E – Assessment will be in accordance with the Schedule of Requirements.

If our tender is accepted, we will obtain the guarantee of a bank in a sum equivalent to percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

I/We agree to abide by this tender for the Tender validity period specified in tender and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

I/We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely “Prevention of Corruption Act 1988”.

I/We understand that you are not bound to accept the lowest or any tender you may receive.

I/We clarify/confirm that we comply with the eligibility requirements as per tender documents.

I/We hereby declare that the service sold to the University under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications thereof and

I/We hereby guarantee that the said service would continue to conform to the description and quality aforesaid for a period of 24 months from the date of delivery and commissioning of the said items/stores and that notwithstanding the fact that the purchaser (Inspector) may have inspected or approved the said service, if during the aforesaid period the said equipment/articles are discovered not to conform to the description and quality aforesaid or have deteriorated (and the decision of the purchaser in that behalf will be final and conclusive) the purchaser will be entitled to reject the said service. We do hereby also agree to supply/delivered the service at permanent campus of Gujarat Technological University, Government Engineering College Campus, Chandkheda, Ahmedabad, if required and asked by the University with the same rate.

Dated this day of 20.....

(Signature)

(In the capacity of)

Duly authorized to sign Tender for and on behalf of _____

CAPABILITY STATEMENT

1. Name & Address of the Tenderer

Phone:

- 2. Classifications**
- (1) Manufacturer
 - (2) Authorized Agent
 - (3) Dealer
 - (4) Others (please specify)

- 3. Registered Officer:**
- (1) Location
 - (2) Description, Type & size of building
 - (3) Is property on lease* or free hold?
*If on lease indicate date of expiry of lease in such case.

4. Type of equipment/service manufactured and supplied during last 2 years.

Sr. No.	Name of equipment	Capacity/ Size	Nos. manufactured	Nos. of orders on hand

5. Turnover for similar equipment/service sold/provided in last two years.

6. Details of testing facilities available

- (1) List testing equipment available
- (2) Give details of tests which can be carried out on items offered.
- (3) Details of the testing organization available

7. Personnel/Organization:

Give Organization chart for following indicating clearly the No. of employees at various levels.

Quality assurance

- (1) Production
- (2) Marketing
- (3) Service
- (4) Spare parts
- (5) Administrative

8. Nearest service centers to each of the destination installations:

Location _____

Phone No. _____

Year of Establishment _____

9. Details of Organization at Service Centre

- (1) No. of Skilled employees _____
- (2) No. of Unskilled employees _____
- (3) No. of Engineering employees _____
- (4) No. of Administrative employees _____

10. Names of two buyers to whom similar services was supplied in the past and to whom reference may be made by the Purchaser regarding the bidder's technical and delivery ability.

1) _____

2) _____

----- END OF TECHNICAL BID -----

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GUJARAT TECHNOLOGICAL UNIVERSITY
(Established Under Gujarat Act. No. 20 of 2007)

Commercial Bid for E- Assessment Service of Answer Book
(Should Be submitted in online mode only)

Bidder shall quote his rates for the items describe below as per the terms &conditions of the total tender documents. The quoted rates will be inclusive of all taxes & levies for a period of contract. GTU will only provide Working Space, Bandwidth and the Space on the cloud/sever except this all the all other cost of hardware, software, training, transport etc. has to be bared by the Bidder

Description Rate per Student per paper Exam

Sr. No	Description	Rates in Rs. Per Answer book
1	Scanning and Digitization of Answer book	Online mode only
2	Providing Software services for E-Assessment which includes posting of marks to the GTU Server including i) E-Re-assessment of Answer Scripts ii) Hosting of Answer Scripts in GTU website iii) View Answer Scripts option for student iv) E-mailing of Answer Script to student v) Option for student to print answer script	Online mode only
	Total rate per answer booklet for the above services	Online mode only

----- End of Commercial Bid Document -----

TENDER Response form

To be submitted with TENDER response

Note:

Details filled in this form must be accompanied by sufficient documentary evidence, in order to verify the authenticity and correctness of the information.

Sl. No.	Description	Details (To be filled in by the responder to the TENDER)
1.0	Name of the Company	
2.0	Official address	
3.0	Phone No. and Fax No.	
4.0	Corporate Headquarters Address	
5.0	Phone No. and Fax No.	
6.0	E-Mail address of contact person	
7.0	Web Site Address	
8.0	Details of Company's Registration (Please enclose attested copies of the documents)	
9.0	Name of Registration Authority	
10.0	Registration Registration Number and Year of Registration	
11.0	Product/Service for which Registered with validity period	
12.0	GST/CST/LST registration No.	
13.0	GST Registration No.	
14.0	Permanent Account Number (PAN)	
15.0	Whether the company complies with the Requirement under the Contract Labour (Regulation and Abolition) Act	
16.0	Name of Bankers along with Branch (as appearing in MICR Cheque) & Account No.	
17.0	Name of the Authorized Signatory, who is authorized to respond to the TENDER	
18.0	Other documents provided	

Seal & Signature of the Vender

The following notes offer guidance to proposing responders in the form of a model outline for their response document. All the headings indicated below must be addressed in the sequence shown, providing as much relevant detail as possible. (Conformance to this outline will assist the subsequent evaluation and selection activities, and any variations should be documented).

Additional headings and information may be provided by the proposing responder where they are required to include additional details or explanations.

Description of the proposing responder:

- I. Specifically include legal status, ownership, and the name of the person within the company who is responsible for this project.
- II. The proposing responder's general understanding of the project requirements and the proposed total solution
- III. The main features of the proposed solution and any areas of financial, operational, development risks that are perceived
- IV. Upgrade and technology refresh strategy for the proposed software platform
- V. Describe the strategy suggested for future upgrade of the supplied equipment and/or products and any impact this strategy may have on operation etc.
- VI. Scope of work compliance as per the document

X - X - X - X - X

(Annexure A)

Turnover Certificate

This is to certify that M/s _____ (Pan no : _____) residing at _____ has achieved following turnover during the financial year 2014-15, 2015-16, 2016-17.

Financial Year	Turnover
2014-2015	
2015-2016	
2016-2017	

This certificate has been issued on the basis of documents and records provided to us and information given to us and at the time of issuing certificate.

Place:-

Date:-

Seal And Signature of CA