

Office of the Principal
Government Engineering College
Bartonhill, Thiruvananthapuram.

P2/4162/22/GECBH

09.06.2023

Notice Inviting E-Tender

E-Tender Reference No	: 02/2023-24/P2/4162/22/GECBH/SN
E-Tender ID	: 2023_DTE_580503_1
Superscription	: Purchase of Campus Management Software in Government Engineering College, Barton Hill
Last Date & Time of Receipt of E- Tenders (online – www.etenders.kerala.gov.in)	23-Jun-2023 04:55 PM
Date & Time of opening of E-Tender	26-Jun-2023 11:00 AM
Date up to which the rates are to be firm	270 Days from the date of opening tender.
Cost of E-Tender	Rs.1,180/-.(Tender fee Rs.1000/-+Rs.180/- GST @18%(Online remittance). (Rs.1,000/- should be paid on E-Tender Website and Rs 1,80/- should be paid on reverse charge basis while filing returns
EMD Required	Rs.5000/- (Online remittance).
Address of the Officer to whom communications are to be sent	THE PRINCIPAL GOVT.ENGINEERING COLLEGE, BARTON HILL, THIRUVANANTHAPURAM KERALA Mob-9400006408.(Principal) Mob-9496762406(Accounts Officer) Mob-9745004512(Purchase Superintendent) Mob-9895339777(Purchase Section Clerk) Ph-04712300484, 2300485 Email- purchase.gecbh@gmail.com
List of Items to be Supplied	Detailed specification enclosed below for One quantity or visit www.etenders.kerala.gov.in http://www.gecbh.ac.in http://www.dtekerala.gov.in

1. General Terms and Conditions

Note: The dates furnished above are subject to revision. All rules and regulations will be subject to Store Purchase Manual of Kerala Government Only. Bidders are requested to bid and act as per the instructions of Store Purchase Manual only.

- i. Any defects in specification/tender called for should be notified by Bidder to Tender Inviting authority when NIT is called for. Complaints if any given by Bidders regarding specification after Technical Evaluation is completed and published is not entertained.
- ii. This tender document is not transferable. Tender Documents shall be available only on E-Tender Website and will not be available for sales elsewhere.
- iii. GECBH reserves the right to amend or cancel the tender in part or in full without prior notice at any point of time.
- iii. If GECBH deems it appropriate to revise any part of this NIT or to issue additional data to clarify an interpretation of provisions of this NIT, it may issue supplements to this NIT. Any such supplement shall be deemed to be incorporated by this reference to this NIT.
- iv. GECBH reserves the right to reject the bid of parties who have failed to provide adequate after sales support for the products supplied against various orders to other Government institutions, and for irregular or non standard equipment supplied earlier, such suppliers will not be considered for the subsequent tenders
- v. Bidder/Supplier shall upload original specification compliant product brochure details, OEM certificate , OEM distributor/supplier certificate are to be uploaded in the E-Tender website as per the order/bid offered. **Sampling of products would be called for as per requirement given from department concerned during technical evaluation.** The bidder has to compulsorily give brand name, model name, and customer list, complete Catalogue/brochure of the offered item and material of construction, experiments' details (if applicable).
- vi. LD will be charged for delayed supply. Furthermore, if the delay exceeds 4 weeks after the scheduled date of supply, such suppliers will not be considered for the subsequent tenders. If the supplier is unable to supply due to various reasons after receipt of supply order, it may be urgently intimated to Purchase section via concerned department for which supply was issued so as to enable the purchase section to give supply order to the next eligible firm.
- vii. The Special Instructions to the Contractors/Bidders for the e-submission of the bids are given under "Help to Contractors" in website <http://etenders.kerala.gov.in/nicgep/app>.
- viii. **e-Tender tax rate is 18%.** The firm bidding for E Tender must **pay the GST on reverse charge basis while filing his returns.** The supplier of services **may claim the input tax credit** on the amount of tax paid under reverse charge mechanism subject to the **provisions of Input Tax Credit Rules.** Source- <http://keralataxes.gov.in/2017/08/21/faq-for-government-departmentslocal-authorities-and-other-line-departments/>
- ix. The "Seller(s)" / Bidders on eProcurement System will be the OEMs (Original Equipment Manufacturers) and/or their authorized channel partner(s)/ resellers (having any general authorization / dealership of the OEM to sell their product in open market)

2. Additional Terms and Conditions

1. Experience of having implemented this system successfully in at least three Government engineering colleges, preferably under APJ Abdul Kalam Technological University, Kerala (Supporting documents to be produced).

2. If selected, should load and manage data pertaining to all the currently running batches of the college. The responsibility of the college shall be limited to providing data in hard or soft formats as available.
3. Smooth integration with the college website. Any change made in the campus management software should be reflected in the designated areas of the website.
4. A 24 x 7 support should be provided for at least 3 years.
5. Should submit the detailed features of the quoted product against each of the above requirements as .pdf/.doc file.
6. Should include supporting documents/brochures.
7. Protection of Privacy And secure storage of data are to be ensured.
8. The demonstration shall be conducted by a Committee called the 'Technical Committee' in which experts from our Institutions/funding agencies may also be present. The decisions of the technical committee will be final

Specific Terms & conditions for E-Tender.

1	The tenderer should compulsorily superscribe the name and number of tender as well as their own name, on the E-Tender Bid documents uploaded/ envelopes containing the physical tenders for information. Hard copies if any of the tender documents shall be submitted before the date of opening of tenders.. Bidders are requested to quote E-Tender Reference No , Subject compulsorily in all soft copy/physical hard Copy forwarded and all correspondences through email/physical mail/phone.
2	The price quoted should be inclusive of all taxes, freight charges, transportation, loading, unloading charges, installation etc. The rates are to be firm for Days specified in the E-Tender called for from the date of opening E- tender.
3	5% Security Deposit by Bank Guarantee/ Bank FD/ Kerala Government Treasury Savings Bank (Fixed Deposit preferred)along with Two Hundred and twenty Rupees Kerala Stamp Paper agreement should be furnished within a month/fortnight from the date of receipt of supply order. It should also be noted that 25% of the Security Deposit requested ie 25% of the 5% should be compulsorily in the form of Kerala Government Treasury Deposit as per mandated in G.O(P)No.104/2014/Fin Dated - 14/03/2014.You are requested to contact Purchase Section, Administrative Office for further information. Hence you are instructed to open a Kerala Government Treasury Account if you are chosen as a Supplier for the above E-Tender.
4	Delivery @ Concerned Department at Government Engineering College, Bartonhill, Thiruvananthapuram with prior intimation of delivery to Department Head/Purchase Section. The maximum time limit that can be availed by the supplier is 60 days with prior communication of the same Purchase section through your letter/email via Concerned Department which requires the equipment. Late delivery will be charged for delivery of the items after the said time limit of 60 days. Department Head have been instructed to communicate to Purchase Section if delivery of the product is not done within the specified date / intimate to Purchase Section the request for extension of Supply Order date, if any is received from firm. if request for extension is not received/recommended through concerned Department , the supplier is liable to pay LD charge as per the revised Store Purchase Manual.
	Payment – Only after the satisfactory supply and installation/commissioning. Invoice (3 numbers) for Supply Order generated should contain E-Tender reference number & GST registration Number of College- 32TVDG02719D1DX. Government Engineering College, Barton Hill is not making any taxable supply of goods and/or

5	<p>services, it is required to register only as a deductor of tax at source on the basis of TAN/PAN.</p> <p>The transactions liable for TDS</p> <p>All transactions where the total value of a taxable supply received under a contract exceeds Two lakh and Fifty thousand rupees (excluding GST). For the purpose of deciding TDS liability, the whole contract amount is to be reckoned, irrespective of individual periodic payments and TDS is to be deducted for such individual periodic payments.</p>
6	<p>Preliminary Agreement is no longer required to be prepared in Kerala Stamp Paper worth ₹220/- and uploaded/ produced along with E-Tender documents as it has been made non-mandatory as per Letter No.56423/Ind&PW.B2/15/Fin, Dated 10/08/2015 from Additional Chief Secretary Finance to The Director, Kerala State IT Mission. Kerala Stamp Paper worth ₹220 Agreement is mandatory for firms who have been given Supply Order only.</p>
7	<p>All amount payable is through Online remittance only.</p>
8	<p>Date of Opening- If the opening date is declared as a holiday the tenders will be opened on the next working day.</p>
09	<p>Tender documents are to be uploaded through E- tendering system. Tender Form cost, GST @18 %, EMD should be remitted through net banking (Electronics Transfer only)</p>
10	<p>Warranty - Minimum Three year from the date of installation or above with all-inclusive warranty for all equipment supplied with further coverage with AMC if requested.</p> <p>All preferred names given for company are benchmark for minimum quality, components supplied should be of same quality or higher quality.</p>



Dr. Shiny G

Principal

Approval Valid

Digitally Approved By

Dr. Shiny G

Date: 09.06.2023

Reason: Approved

The document is digitally approved. Hence signature is not needed.

CAMPUS MANAGEMENT SOFTWARE (CMS)

SPECIFICATIONS

The structure of the software system comprises several modules which will carry out different sets of functionalities. The program should include the following modules/functionalities.

General Technical Requirements

- The system should satisfy Guidelines for Indian Government Websites [GIGW Manual 3.0] and have multiple browser compatibility.
- The software should be provided under free and perpetual license.
- Application and Database audit trail should be immutable with any tamper proof technology
- The software SSL certificates with data encryption
- Vulnerability and penetration testing are mandatory
- The selected bidder will have to fix all vulnerabilities identified during the warranty period at free of cost.
- The bidder should have sufficient experience for similar type of work in this field.
- The system should be security audited as per Kerala government IT rules.
- The application GUI must be re-sizable and scalable correctly and be functional on mobile and tablet devices too.
- Multiple, Customizable, role-based login profiles and privileges for Principal, Dean, HOD, Staff adviser, Students, Parents, Teaching staff, technical staff, Office staff etc. Access to various functionalities are customized and controlled as per role-based dash-boards on login.
- Form fields must be validated for data completeness, data type conformity, and input data format. The HTML Label tag must be used to associate a text description to a form field.
- System-wide CSS, header/footer, and image files should be used for web applications hosted on web servers.
- In code, exceptions must be handled in a user-friendly manner by displaying a custom error page that does not display information such as database object names or source code.
- Provision for course management, student management, staff management, PTA, CCE and others.
- Report generation facility should include export to pdf, MS Excel and MS Word formats.
- The system should have SMS alerts, E-mails, Internal messaging system, Campus news/bulletins, Parent interaction, ID card generation, Audit trails, Graphical Analysis and Leave processing functions.
- Class management including suspension/re-arrangement, extension, rescheduling of classes with the ability to flexibly manage attendance in all those cases.
- Protection of Privacy And secure storage of data are to be ensured.
- The system must provide the capability to track and monitor successful and unsuccessful transactions with the Application.



- If the solution is developed by using property software, then cost incurred for Licensing, hosting, operation and upgradation, updation during the warranty and AMC period to be borne by Selected Bidder.
- All the tools/images used on the site must be procured through legal channels and there should be no copyright violations. The system should compile to the regulatory framework of state and central policy. Any third-party libraries or plugins or software used should be licensed by the vendor and also, should be maintained by the vendor

Specific Technical Requirements

Admin: Features such as User accounts, Role management, New Role creation and management, Customizing menus

Principal/Dean: Course creation, batch creation (including KTU Honours/ Minors batches) , Roll List preparation, Syllabus management, Result analysis based on batch, course and branch, Academic reports, Campus news/bulletins, Exam schedules, University exam result (import from KTU), TC issue, college/branch transfer, etc.

HOD- (Batch creation may be assigned to HoDs) Advisors allocation, Creation of Activity Report

HoDs/ Advisors: Features such as Roll list generation, group messaging, by SMS and Email, student registration, registration status, due lists preparation, defaulters' list, semester reports of class, consolidation of test, assignment, attendance, and sessional marks, Entry of Activities

Faculty : Features such as Profile, Time Table, Attendance Marking, Statistics & Graphical Analysis based on Batch, Course and Branch, Internal marks, Evaluations, Calendar notifications, Performance comparison, Question bank, Question paper preparation, Assignments and Report generation, Study Materials, Subject Coverage, Subject Plan, Subject Year Calendar, Lab experiments, Lab dues, Course Diary creation, Substitutions, Special Class creation, Student remarks, Parent interaction, SMS alerts, Internal messaging system and Emails etc.

Student : Features such as Profile, attendance details, exam results, internal assessments, study materials, student activity corner, calendar notifications, home works, question bank, syllabus, news and events, remarks, reviews, Bio-data generation, Interim and final student feed backs, general feedback system, SMS alerts, internal messaging system and emails, faculty evaluation by students, raising of grievances, applying for hostel facility, dues outstanding, library due date notification, etc., Updating MOOC completion status

Parent: Attendance details, Student leave applying control, Exam Results, Study materials, Student activity corner, Calendar notifications, Home works, Question bank, Syllabus, News and events, Remarks, Reviews, Internal assessments, SMS alerts, Internal messaging system and Emails



2/1/19

Admission: Student online registration, Verification, Batch assigning, Admitting (admission no generation using desired criteria), Approval, Document submission, Receipt & Report generation, SMS alerts, Internal messaging system and Emails, issue of TC, Certificates, etc.

Placement: Student selection based internal mark filters, university mark filters, backlogs, number of attempts to pass, total attempts, Student profile generation, Campus Drive details, Student Report Generation.

Hostel: Room details, occupation details, fee dues, hostel building details, student hostel application details, etc.

Accreditation Module: Generation of various reports related to accreditation such as Faculty Reports- College Academic Report, Student Academic Report etc.

Online Learning Modules: Online Live Class Room, Video Class Room Materials, Online Exam, Online Module Test, Online Homework and Assignment, Online Study Material / Notes, Chat Box

Miscellaneous: Management of Funded Projects, PTA & CCE, Alumni Association, Exam cell, Survey module (Faculty, course exit, program exit, Infrastructure, Alumni , Employer etc).

Technology Used

The campus management system should be an online, open-source web application. The software platforms have to be exclusively Free Software. The technology behind the system should follow:

Web Server	Apache /NGINX/ LIGHTTPD
Framework	Symfony, Yii, Laravel, Django, Spring
Server Side Programming Language	Python, PHP, Java/JSP
Database	PostgreSQL, MariaDB/MySQL

General Conditions

1. Experience of having implemented this system successfully in at least three Government engineering colleges, preferably under APJ Abdul Kalam Technological University, Kerala (Supporting documents to be produced).
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7. Protection of Privacy And secure storage of data are to be ensured.
8. The demonstration shall be conducted by a Committee called the 'Technical Committee' in which experts from our Institutions/funding agencies may also be present. The decisions of the technical committee will final.

Termination of Agreement

Either party by written notice of not less than 30 days may terminate this Agreement. The bidder shall, on or before the date of termination, hand over to GEC Barton Hill, Thiruvananthapuram (GECBH) all programs, documentations, data dictionary and data definitions, data flow diagrams, and all work in process generated during the agreement period in the format demanded by GECBH.

The bidder agrees to utilize administrative, physical, and technical safeguards designed to protect student, academic, and administrative data of GECBH from unauthorized access, disclosure, acquisition, destruction, use, or modification.

The bidder also agrees to abide by and maintain adequate data security measures, consistent with industry standards and technology best practices, to protect Student and other Data from unauthorized disclosure or acquisition by an unauthorized person.

The bidder shall adhere to any applicable law relating to data security as required by the Government of India and Government of Kerala. The bidder shall implement an adequate Cyber security Framework based on one of the nationally recognized standards set forth by Government of India regarding cyber security and data security.

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