

Development of E-learning Portal with E-learning Content for B.Tech and M.Tech Courses

Request for Proposal(RFP)
for
Development of E-learning Portal with E-learning Content for B.Tech and M.Tech Courses

[Reference No. NITM.1/(133-Estt)/VideoCon/2015- 9565

Dated: 18-02- 2016]

Place for opening of the Bid	Conference Room NIT Manipur, Langol Campus, Imphal- 795004
Last Date & Time of Submission of Bid	11th March, 2016 1500 Hrs
Date & time of Opening of Technical Bid	11th March, 2016 1530 Hrs

Name of the Bidding Company/ Firm:	
Contact Person: Authorized Bid Signatory:	
Correspondence Address:	
Mobile No Telephone Fax	
Website	
Official E-mail Address	

Disclaimer

This RFP is not an offer by NIT Manipur, but an invitation to receive offer from bidders. No contractual obligation whatsoever shall arise from the tender process unless and until a formal contract is signed and executed by duly authorized Officer of NIT MANIPUR with the bidder.

Chapter-1

INTRODUCTION TO NIT MANIPUR

Introduction

National Institute of Technology, Manipur was set up to impart quality technical education at various levels of higher learning. It is one of the ten newly set up NITs by the Ministry of Human Resource Development, Government of India in 2010. It has been established to cater to the needs of the thousands of students from Manipur in particular and other students in Northeast and rest of India in general in the field of Technical Education. With the support from the Govt. of Manipur, NIT Manipur started its first session on 2nd August, 2010 in Government Polytechnic, Takyel Campus. The National Institute of Technology Act, 2007, amended in 2012 declared 20 existing and 10 new NITs as *Institutes of National Importance*. The institute is governed by the NIT Act 2007 and its statutes, and under the overall guidance of the Board of Governors and the Hon'ble President of India functions as the Visitor of the Institute.

Chapter - 2

ABBREVIATIONS & DEFINITIONS

Authorised Signatory	The bidder's representative/ officer vested (explicitly, implicitly, or through conduct) with the powers to commit the authorizing organization to a binding agreement. Also called signing officer/ authority having the Power of Attorney (PoA) from the competent authority of the respective Bidding firm.
Bid	"Bid" means the response to this document (later defined as RFP) presented in Financial Bid, which is supplied with necessary documents and forms, complete in all respect adhering to the instructions and spirit of this document.
Bidder	"Bidder" means any firm/ agency/ company/ contractor/ supplier/ bidder responding to Invitation for Bids and who is participating in the Bid.
Contract	"The Contract" means a legally enforceable agreement entered into between NIT MANIPUR and the selected bidder with mutual obligations.
Day	"Day" means a working day
Deployment	Implementation, Maintenance and Support
EMD	Earnest Money Deposit.
Gol	Government of India.

Goods	“Goods” means a tangible physical product that can be contrasted with a service which is intangible i.e. all the products which the bidder is required to supply to Purchaser under the Contract.
LoI	Letter of Intent
NIT MANIPUR	National Institute Technology, Manipur
PSD	Performance Security Deposit (also called as SD/Bank Guarantee), for details see below)
Purchaser/ Tendering Authority	Person or entity that is a recipient of goods or services provided by a seller (bidder) under a purchase order or contract of sale; also called buyer. NIT MANIPUR in this RFP document.
Request for Proposal (RFP)	Request for Proposal (Bid document), is an invitation for firm/ agency/ company/ contractor/ supplier/ bidder, through a bidding process, to submit a bid on a specific commodity or service.
Security Deposit (SD)	Submission of the 10% amount of Estimated cost of Contract as per RFP by the selected Bidder and the same shall be retained and be kept alive till the successful completion of the project and the extended period of the contract, if any.
Services	“Services” means the services to be delivered by the successful bidder and as required to run the project successfully as per the Contract. A service is the intangible equivalent of an economic good.
SLA	Service Level Agreement is an agreement between two parties wherein one is NIT MANIPUR and the other is the service provider. It is a service contract where the level of service is formally defined. In practice, the term SLA is sometimes used to refer to the contracted delivery time (of the service) or performance.
SoW	Scope of Work

Chapter-3

Invitation for Request for Proposal (RFP)

Ref. No. NITM.1/(133-Estt)/VideoCon/2015- 9565

Dated: 18-02- 2016

NIT MANIPUR invites RFP for “Development of E-learning Portal with E-learning Content for B.Tech and M.Tech Courses” in the prescribed format from Proprietorship Concern/Company registered under Indian Company Act, 1956/ Firm registered under The Partnership Act 1932/ Society registered under Societies Act, 1860/Autonomous bodies or any other venture not covered above which are engaged in developing e-Learning/e-Contents on ICT and Electronics subjects.

The bidder must have at least 3 years of experience in e-Content development using Multimedia & Animation on Moodle Framework as on 31.3.2015. The bidder must have successfully completed one such projects during last 3 years as on 31.3.2015 in North East Region and value of work order for each project should be at least Rupees one crore.

The schedule of dates is as follows:

S.No	Nature of the project	
		Development of E-learning Portal with E-learning Content for B.Tech and M.Tech Courses
1.	Cost of Request for Proposal (RFP) Document (non-refundable)	Rs. 5000/-
2.	Earnest Money Deposit (EMD)	Rs. 4,00,000/-
3.	Publishing Date of RFP	18-02- 2016
4.	Pre-Bid Conference	25-02- 2016 1300 Hrs
5.	Last date and time for Submission of Bid	11-03- 2016 1500 Hrs
6.	Date and Time of Opening of Technical Bids.	11-03-2016 , 1530 Hrs
7.	Date & Time of opening of Financial bids	Will be intimated later to the Shortlisted bidders
8.	Website for downloading Tender Document, Corrigendum, Addendums Etc	<i>www.nitmanipur.ac.in</i>
9.	Request for Proposal (RFP) and Financial Bid Validity	180 Days from the date of bid submission

Queries related to pre-bid may be sent to following email latest by **25th February 2016 1500 Hrs** at admin@nitmanipur.ac.in/ nitmanipur@yahoo.co.in along with the duly filled in **Annexure-9**

Chapter- 4

General Information to Bidders regarding procedure for submission of Request for Proposal (RFP)

1. The RFP document has to be downloaded from web site (www.nitmanipur.ac.in) and be submitted along with **document fee of Rs.5000 /- (non refundable)** in form of demand draft/Banker's Cheque in favour of "DIRECTOR, NIT MANIPUR" payable at Imphal along with Technical Bid. There is no exemption from payment of tender document fee and tenders without requisite fees shall not be accepted.
2. Interested applicants are advised to study the document carefully. Submission of Application shall be deemed to have been done after careful study and examination of the document with full understanding of its implications.
3. The Bidder shall bear all costs associated with the preparation and submission of its bid and NIT MANIPUR will, in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the bid process
4. Bidders are not allowed to submit multiple bids. In case of detection of such, their bid (s) is/are liable to be rejected.
5. NIT MANIPUR reserves right to award the work/cancel the award without assigning any reason. In case of differences, if any, the decision of NIT MANIPUR shall be final.
6. **Financial Bid**
 - a) The bidder shall indicate the prices/rates as specified in the Financial Bid format given at Annexure-4.
 - b) The bidders should quote their most competitive prices/rates.
 - c) All prices/rates should be clearly written both in figures and in words. Failure to write prices/rates both in figures and in words **shall render the bid liable for rejection**. Bidders should ensure that there is no alteration / correction in the prices/rates submitted by them.
 - d) In case of a discrepancy between the prices/rates in figures and words, the prices/rates in words will be considered correct.
 - e) The prices/rates quoted shall be firm throughout the period of the validity of the offer and subsequently during the currency of the contract and shall not be subject to any variation/revision.
7. **Security Deposit and EMD**
 - a) The bidder should enclose EMD of Rs.4,00,000/- (Rupees Four Lakhs only) in form of Demand Draft/Banker's Cheque drawn in favour of "NIT MANIPUR" and payable at Imphal with the Technical bid.

- b) The bids without EMD shall be summarily rejected.
- c) **The successful bidder shall be required to deposit 10% amount of Estimated cost of the contract as per RFP and the same shall be retained and be kept alive till the successful completion of the project and the extended period of the contract, if any.**
- d) **Performance Security deposit shall be in the form of Fixed Deposit Receipt/ Bank Guarantee from a nationalised bank in favour of DIRECTOR NIT MANIPUR, Imphal in an acceptable form to NIT MANIPUR and shall be submitted by the vendor within 15 days from the award of the contract which remains valid up to 60 days beyond the date of completion of all contractual obligations of the vendor. The EMD of the successful bidder shall be returned only after submission of Performance Security.**
- e) EMD will be returned to unsuccessful bidders without interest within 90 days after award of contract or setting aside of the tender, as the case may be.
- f) EMD will be forfeited if the bidder unilaterally withdraws the offer, or unilaterally amends, impairs or rescinds the offer within the period of its validity.

8. Acceptance of offer

NIT MANIPUR reserves the right to accept any bid under this tender in full or in part, or to reject any bid or all bids without assigning any reason.

9. Excuse from Claim

The Bidder at no point of time can excuse themselves from any claims by NIT MANIPUR whatsoever for their deviations in conforming to all the terms and conditions as mentioned in the RFP document.

10. Adherence to Schedule

The Bidder has to adhere to the time schedule of activities mentioned in the RFP and no request to change the last date or to extend period / time shall be entertained by NIT MANIPUR. However, NIT MANIPUR reserves the right to extend the date/time for schedule of activities without assigning any reason by notifying in its website.

13. Software Licenses

The software licenses required if any will have to be procured by the selected bidder at its own cost. NIT MANIPUR shall not bear any cost for the procurement of Software licenses. The system software licenses required(if any) shall be genuine, perpetual, unrestricted providing patches, fixes, security updates directly from the OEM at no additional cost to the NIT MANIPUR for the entire period of contract.

14. Submission of Bid

The bidders shall submit their bids in two parts

- (i) Technical Bid and
- (ii) Financial Bid

The tender is a “Two Bid’ document. The Technical bid shall contain all the relevant information and requisite enclosures in the prescribed format along with Cost of Tender Document and Earnest Money Deposit (EMD). The Financial Proposal should contain only Financial Bid as per Annexure- 4. **In case, any bidder puts the financial bid within the envelop of technical bid, the same shall be rejected summarily.**

The bids shall be submitted only in the prescribed format as mentioned as per RFP. Submission of Technical Bid and Financial Bid in any other format may result in invalidation of such bids and such bids may be rejected. Bid once submitted cannot be modified.

All information called for in the enclosed Annexures shall be furnished against the respective columns in the Annexures. If information is furnished in a separate document, reference to the same should be given against respective columns in such cases. If any particular query is not applicable, it should be stated as “Not Applicable”. However the bidders are cautioned that non furnishing of the complete information called for in the tender forms or furnishing it in unclear terms or making any change in the prescribed Annexure or deliberately suppressing the information may result in the bid to be summarily disqualified.

Bids shall reach NIT Manipur on or before **11th March 2016 1500 Hrs.** NIT MANIPUR will not be responsible for any delay or non-receipt/non delivery of bids.

15. Bid Response Format

The bidder shall effectively communicate the solution and shall cover all the requirements as given in the Request for Proposal (RFP). The bidder shall use the following procedure to submit the bid response:

- The documents of the Technical Bid shall be placed in lacquer sealed envelope clearly marking it as **“Technical Bid for Development and Implementation of MOOC for NIT Manipur B.Tech and M.Tech Courses**
- The Financial Bid shall be placed in separate lacquer sealed envelope clearly marking it as **Financial Bid for Development and Implementation of MOOC for NIT Manipur B.Tech and M.Tech Courses”**
- The above two envelopes shall be placed in third envelope, which shall also be appropriately sealed and marked as **Request for Proposal (RFP) for " Development and Implementation of MOOC for NIT Manipur B.Tech and M.Tech Courses**

If the outer envelope is not sealed and marked as required, NIT MANIPUR will assume no responsibility for the Bid's misplacement or premature opening and such bids will be summarily rejected and will be returned to bidders.

16. Confidentiality of Process

Information relating to the examination, clarification, evaluation and comparison of bids, and recommendations for the award of the contract shall not be disclosed to Bidders or any other person until the award of work to the successful Bidder has been announced.

17. Right to Termination/Cancellation of Bid

NIT MANIPUR reserves the right to cancel/terminate the bid/proposal/process without assigning any reason whatsoever, at any time and NIT MANIPUR shall have no liability for any such act.

18. Consortium

Consortium of companies/firms is not allowed.

19. Time Schedule

The maximum time for Development and Implementation MOOC for NIT B.Tech and M.Tech Courses is 24 months from date of award of contract.

20. Authentication of Bid

The Bid document shall be typewritten and there shall not be any overwriting or cutting or fluiding etc. The Bid Document shall be signed by authorized signatory of the firm. **A duly stamped Power-of-Attorney accompanying the Bid Document shall support the letter of authorization. The person signing the Bid Document shall sign and stamp at the bottom of all pages of the Bid Document and each page of the bid document shall be properly numbered** and submitted as a package along with forwarding letter on bidder's letter head. **Any correction/ overwriting/ cutting/use of whitener etc. will lead to rejection of the Bid.** All the Bidders have to abide by all the terms and conditions mentioned in this RFP document.

21. Enclosures of Request for Proposal (RFP)/BID

The supporting documents to be enclosed with the Technical and Financial Bid shall be as per the compliance sheet at **Annexure - 9**.

22. Address for Submission of Bid

Request for Proposal (RFP)/Bid complete in all respect shall be addressed to:

**The Registrar,
NIT Manipur,
Langol, Imphal, Manipur 795004**

23. Late Bids

Any Bid received by NIT MANIPUR after the deadline for submission of Bids prescribed in this document, will be summarily rejected and returned unopened to the Bidder. NIT MANIPUR shall not be responsible for any postal delay or non-receipt / non-delivery of the documents. No further correspondence on this subject will be entertained.

24. Opening of Bids

NIT MANIPUR will open bids as per schedule. Bidders may depute their authorised representative(s) for the event. The Bidder's authorised representative shall sign the attendance roll evidencing his/her attendance during the bid opening event. Even if no representative of the bidder is available, bids would be opened as per schedule. In the event of the specified date of Bid opening/presentation being declared a holiday for NIT MANIPUR, bids shall be opened at the scheduled time and location on the next working day.

25. Announcement at the time of Bid Opening

The Bidder's names, the availability or non availability of requisite tender fees and EMD will be announced at the opening of Bids. No Bids shall be rejected at the time of opening except late bids.

26. Clarification of Bids

For seeking clarification during examination, evaluations and comparison of bids, NIT MANIPUR may, at its sole discretion, ask the Bidder for clarification on Bid submitted. The request for clarification may be in writing by post or email or by facsimile etc. The response shall be submitted in writing by registered/speed post/courier duly signed by authorised signatory of the bidder. **If the response to the clarification is not received within the prescribed timelines such bids are liable to be rejected.** No representation in this regard would be entertained.

27. Completeness of Bids

NIT MANIPUR will examine the Bids to determine whether they are complete in all respects (whether they meet all the conditions of the Tender Document and Technical Specifications, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the Bid Documents are substantially responsive to the requirements of the Tender Document etc.). Information must be furnished in comprehensive manner against each column of the Bid Document.

28. Rectification of Errors

Bidders are advised to exercise utmost care in entering the pricing figures. No requests regarding correction of mistakes in the financial bids will be entertained after the bids are submitted. If any interlineations, erasures, alterations, fluid-marking, additions or overwriting are found the bid shall be rejected summarily. Arithmetical errors in bids will be considered as follows:

- (a) Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.
- (b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate will govern unless, in the evaluation, there is obviously a gross error such as a misplacement of a decimal point etc., in which case the line item total will govern or whichever is logically correct.
- (c) Notwithstanding the above, the decision of the Evaluation Committee shall be final and binding.

29. Rejection of Bid

The Bid shall be submitted duly filled in by downloading RFP document from the specified websites. Bids submitted by Telex, Fax or e-Mail shall not be entertained.

Bid may be rejected at any stage of the evaluation if it is found that the company has provided misleading information or has been blacklisted by a Central or any State Government or has indulged in any malpractice/ unethical practice and has not honoured contractual obligations elsewhere.

If the bidder deliberately gives incorrect or misleading information in their tender or wrongfully creates circumstances for the acceptance of the tender, NIT MANIPUR reserves the right to reject such a bid at any stage.

A bid that does not meet all eligibility and pre-qualification criteria or has not been responding to queries/clarifications/documents sought shall be rejected by NIT MANIPUR and no request for review in this regard will be considered.

Even though bidder may satisfy the qualifying criteria, it is liable to be disqualified if it has record of poor performance.

30. Validity of Bid

Bids shall be valid for acceptance for a period of at least 180 (One Hundred and Eighty) days from the last date of submission of bid. The Bid with lesser validity period is liable to be rejected. However, the validity period of bid can be extended for further period, if required, with mutual consent of concerned parties.

31. Opening of Financial Bids

Financial Bids will be opened and compared after the evaluation of technical bids. The financial bids of only the shortlisted bidders shall be opened. The name of Bidder, prices quoted by each shall be announced by NIT MANIPUR during opening of financial Bid.

The date, time and venue of opening of financial bid of the shortlisted bidders will be intimated by displaying the same on the website of NIT MANIPUR www.nitmanipur.ac.in

32. Undertaking for reasonableness

The bidder will give an undertaking with financial bid that to the best of their knowledge and belief:

- (a) The rates quoted by them are at par with the prevailing market rates and are not more than the price usually charged for services of same nature/class or description from any purchaser either Government or Private.
- (b) In respect of indigenous items for which there is a controlled price fixed by law, the price quoted are not higher than the controlled price.
- (c) Services/Products/Goods supplied will be of requisite specification and quality.

33. Pre-Bid Conference Enquiries and Clarifications

NIT MANIPUR will host a Pre-Bid Conference of prospective bidders as per the schedule mentioned at page no 8. The representatives of the interested organisations may attend the pre-bid conference at their own cost. A maximum of 2 representatives of each prospective bidder shall be allowed to participate in pre-bid conference. In respect of clarifications sought, the following shall apply:

1. NIT MANIPUR reserves the right not to consider any changes/suggestion in the tender terms & conditions that is found unacceptable.
2. If in the opinion of NIT MANIPUR, certain conditions are acceptable, in whole or in part, the same shall be incorporated as such.

The venue for the pre-bid conference is mentioned below:

Conference Hall of NIT Manipur, Langol Campus, Imphal- Manipur

Pre-bid queries will be entertained in the prescribed format only attached as Annexure-09

If NIT MANIPUR deems it appropriate to revise any part of this RFP or to issue additional data to clarify an interpretation of the provisions of this RFP, it may issue supplements to this RFP. Such supplementary information, including but not limited to, any additional conditions, clarifications, will be put up on NIT MANIPUR Website (<http://www.NIT Manipur.gov.in>). Any such supplement shall be deemed to be incorporated by this reference into this RFP.

In order to allow bidders a reasonable time to take the amendment(s) into account in preparing their bids, NIT MANIPUR, at its discretion, may extend the deadline for the submission of bids, and the extended date will be displayed on the website www.nitmanipur.ac.in

Designated Contact person is:

Registrar, NIT Manipur

Email: admin@nitmanipur.ac.in/ nitmanipur@yahoo.co.in

Chapter - 5

Terms of Reference

1. Objective:

The main objective of the project is to develop e-learning portal with e-learning Content for B.Tech and M.Tech Courses of NIT Manipur for MOOC. (Massive Open Online Courses)

This MOOC project will be executed in a phased manner. The Phase I will be considered as Pilot Project. The responses and feedbacks from the faculties and students on the Pilot Project will provide necessary directions to take this MOOC project to next level and for the implementation of consecutive phase also.

The scope of the MOOC Project includes development of e-learning content for NIT MANIPUR B.Tech and M.Tech Courses. The subjects for Phase I will be intimated to the successful bidder at the time of signing the contract. Bidders can refer the subject list provided in the Annexure for calculation purpose.

2. Brief Scope of Work

- Development of e-learning portal for Delivery of E-learning Content through Learning Management System. Preferably in Open Source and SCORM Compliant.
- The Portal should have features like User Registration, Course Allocation, Assignment Submission, Online Test and Web Casting facility etc.
- Development of e-learning Content for Papers listed in Annexure in a phased manner.
- E-learning Content shall contain 2D/3D animations, video lectures, assignments, lectures notes and online tests.
- E-learning Content should also be compatible with android based mobile devices and should be able to run on all popular browsers.
- The Agency after the development and Implementation of the Portal and e-learning Content should arrange for live video lectures of their resource persons for NIT B.Tech and M.Tech Students in the respective papers.
- The resource persons should be also available for the clearing doubts and providing assistance in assignments for the students on a specific date and time at the NIT Campus in Manipur.
- Hence, this particular project shall be used as MOOC (Massive Open Online Course).
- The copy right violation will be the sole responsibility of the agency/agencies developing/converting the e-Contents. The agency/agencies have to give an undertaking to this effect.

- NIT MANIPUR will have full rights to use the e-Contents and no royalty will be paid to the Conversion agency/agencies.
- No watermark, logo of any kind should be the part of e-Content that advertises the developing agency/agencies. If found the re-work shall be done by the agency to remove any such traces and this needs to be done in the project time frame.

3. Time Schedule:

The maximum time for development and Implementation of Phase I of the Project is 12 months from the date of award of contract.

Chapter – 6

ELIGIBILITY AND PRE-QUALIFICATION CRITERIA

1. Legal Requirements/ Compliance

- A. The Bidder must be a Sole proprietor, individual Company/ Firm/ Society registered under the relevant Acts/Rules. **The Bidder should have been in operation in India for a period of at least 5 years as on 31st March 2015. A Certificate of Incorporation issued by the Registrar of Companies is to be enclosed (not applicable in case the Proprietorship or Partnership firms).**
- B. The Bidder should possess the requisite experience, resources and capabilities in providing the services necessary to meet the requirements, as described in the tender document. The bid must be complete in all respects and should cover the entire scope of work as stipulated in the document. Bidders not meeting the Eligibility Criteria will not be considered for further evaluation.
- C. The Bidder must possess a valid: -
 - I. Service Tax Registration Certificate.
 - II. Income Tax Registration/ PAN Number.
- D. Bidder should provide the self attested & valid copies of all the above-mentioned certificates along with the Technical bid.
- E. The bidder should have been in the business of Development of e-learning content at least for last three years as on 31-March-2015 and served at least two clients from any of the Govt. Sector/ PSUs/ Autonomous Bodies of Govt./Universities etc. as on 31-Mar-2015.

- F. The bidder with previous experience in developing e-learning content for any one of Govt. Sector/ PSUs/ Autonomous Bodies of Govt./Universities etc. in North East Region as on 31-Mar-2015 is highly preferred.
- G. The bidder with previous experience in executing atleast one e-learning project with the value of two crore or more in North East Region in Government of Govt. Sector/ PSUs/ Autonomous Bodies of Govt./Universities etc is highly preferred
- H. The bidder with Academia-Industrial relationship tie ups with reputed Universities and Education Institutions is preferred.

Technical Requirements/ Compliance

- A. The organization with compliance of Quality standards is preferred. Preferably ISO/SEI-CMM level Standards.
- B. The bidder shall provide a single point of contact with NIT MANIPUR and shall be solely responsible for the execution and delivery of the work.
- C. **Manpower Strength:** The bidder should submit a list of technical employees on its payroll as on 31st March, 2015 to be involved in this work stating clearly the category and the role of each employee. The bidder should have at least 20 professionals on its payroll.

3. Financial Requirements/ Compliance:

- A. The Bidder should deposit requisite Earnest Money along with the bid. The bid received without required Earnest Money Deposit will be rejected.
- B. The successful bidder shall be required to deposit 10% amount of Estimated cost of the contract as Performance Security as per RFP and the same shall be retained and be kept alive till the successful completion of the project and the extended period of the contract, if any. Performance Security deposit shall be in the form of Fixed Deposit Receipt/ Bank Guarantee from a nationalised bank in favour of NIT MANIPUR, Imphal in an acceptable form to NIT MANIPUR before release of EMD and within 15 days from the award of the contract which remains valid up to 60 days beyond the date of completion of all contractual obligations of the firm/company.
- C. EMD shall be refunded to the successful bidder on receipt of performance security.
- D. **Annual Turn Over:**
The Bidder should have an average annual turnover of at least Rs. 1,00,00,000.00 (Rupees One Crore Only) exclusively from development of e-learning content during the three financial years (2012-13, 2013-14 & 2014-15).

Copies of audited balance sheets, profit & loss accounts, annual reports of last three financial years or CA Certificate should be enclosed.

4. Other Requirements/ Compliance

- A. NIT MANIPUR considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such conflict of interest may contribute to or constitute a prohibited practice under Procurement Ethics. In pursuance of Procurement Ethics, the bidders, suppliers and contractors, observe the highest standard of ethics. NIT MANIPUR will take appropriate actions against the bidder, if it determines that a conflict of interest has flawed the integrity of any procurement process. Consequently all Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in the bidding process if, including but not limited to:
- I. have controlling shareholders in common; or
 - II. receive or have received any direct or indirect subsidy from any of them; or
 - III. have the same representative for purposes of the Bid; or
 - IV. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the tendering authority regarding this bidding process.
 - V. Participation in the bid by forming cartels.
- B. Firm is not eligible to participate in the tender while under sanction by NIT MANIPUR, whether such sanction was directly imposed by NIT MANIPUR, or imposed by NIT MANIPUR pursuant to the Agreement for Mutual Enforcement of Debarment Decisions. A bid from a sanctioned or debarred firm will be rejected. Similarly, at the time of bidding, the firms having blacklisted/ debarred in participating in any procurement activities by any State or Central Government in India are not allowed to bid. Undertaking to this effect shall be submitted by the bidder on his letterhead.
- C. Bidders shall provide such evidence of their continued eligibility, satisfactory to the tendering authority as per the "Eligibility Criteria" mentioned in the bidding document and/ or as the tendering authority shall reasonably request.

Chapter - 7

DELIVERBALES FROM THE BIDDERS

7.1. Deliverables from the Bidder

1. Development of Web Portal and Open Source Learning Management System with User Registration, Course Allocation, Course Deliver, forum, blogs and Web Casting facility.
2. Development of e-learning content for B.Tech and M.Tech Courses of NIT Manipur including video lectures.
3. Resource persons support for Live Class Room Sessions at NIT Manipur on specific dates.

7.2 Warranty period:

Minimum 6 months warranty shall be applicable to the e-contents. Any errors found during the warranty period shall be rectified by the concerned agency immediately free of cost.

Chapter - 8

List of key position whose CV and Experience would be evaluated

The selected bidder is expected to deploy the following minimum technical manpower as detailed below:

S. No.	Position	Educational Qualifications	Experiences on the Job.	Tenure in Current Organisation

Chapter - 9

Bid evaluation criteria and selection procedure

The Bidding process below specifies the procedures that would regulate the overall bidding process. It contains standard provisions that have been prepared to Design, Prepare, Advertise/ Publish, Submit, Open, Evaluate, Compare bids and Award of Contract and are to be strictly adhered to by the bidder.

9.1 Bid Evaluation:

9.1.1 Guiding Principle for Evaluation of Bids

- a. The tendering authority shall determine to its satisfaction whether the Bidder has submitted the best and substantially responsive Bid, is qualified to perform the Contract satisfactorily.
- b. The determination shall be based upon examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder.
- c. An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the Bid.
- d. The tendering authority/ procurement committee, in observance of best practices, shall: -
 - i. Try to maintain the bid evaluation process strictly confidential.
 - ii. Reject any attempts or pressures to distort the outcome of the evaluation, including Fraud and corruption.
 - iii. Strictly apply only and all of the evaluation and qualification criteria specified in the Bidding document.

9.1.2 Confidentiality

- a) Information relating to the examination, evaluation, comparison, and post qualification of Bids, and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until publication of the Contract award.
- b) Any attempt by a Bidder to influence the tendering authority or other officials in the examination, evaluation, comparison, and post qualification of the Bids or Contract award decisions may result in the rejection of his Bid.
- c) From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the tendering authority on any matter related to the bidding process, he is allowed to do so in writing.

9.1.3 Clarification of Bids

- a) Any clarification submitted by a Bidder with regard to his Bid that is not in response to a request by the tendering authority shall not be considered.
- b) No change in the prices or substance of the Bid shall be sought, offered or permitted, except to confirm the correction of arithmetical/clerical errors

discovered by the tendering authority in the evaluation of the Commercial/ Financial Bids.

9.1.4 Evaluation of Bids

- a) The tendering authority shall evaluate each Bid that has been determined, up to the stage of the evaluation, to be substantially responsive.
- b) To evaluate a Bid, the tendering authority shall use all the criteria and methodologies defined in this document.
- c) To evaluate a Bid, the tendering authority shall consider the following: -
 - i. The bid price as quoted in accordance with bidding document.
 - ii. Price adjustment for correction of arithmetical/clerical errors in accordance with bidding document.

9.1.5 Evaluation of Technical Bids

- a) Bidders must fulfil requirements and compliance sheet as per **Annexure-8**
- b) The Bid Evaluation Committee reserves the right to reject any or all bids.

9.2 The qualifying criteria for opening of financial bids: The bidders need to score the minimum marks in each criterion individually as per column number 4(“Minimum Marks Needed”) along with a total of minimum 55 points as mentioned in the table below, failing which, the bids will be summarily rejected by the Technical Committee and their financial bids will not be opened. No representation in this regard shall be entertained.

S. No.	Criteria	Max. Marks	Minimum Marks Needed	Marks obtained
(1)	(2)	(3)	(4)	(5)
1.	Previous Experience in developing e-learning content for Government Organizations/PSU/ Autonomous Bodies of Government/ Universities – Indian/International 2 projects – 15marks 3 projects - 20marks 4 projects - 25 marks 5 Projects & More - full marks	30	15	
2.	Number of Similar e-learning projects successfully implemented in North Eastern Region of India	30	15	

	One Project – 15Marks 2 and more projects – 30 marks			
3.	One e-learning Project for More than 2 crores in North Eastern Region in any Govt. Entity	20	20	
4.	Adequacy of proposed approach & methodology for development of Portal and e-learning Content, operations / execution, managed services and maintenance	10	5	
5.	Quality Certification – ISO/SEI-CMM levels	5	0	
6.	Academia-Industrial relationship tie ups with Universities and Educational Institutions	5	0	
7.	Total Score	100	55	

- The Financial bid of the bidders who scored 55 and more will be considered as technically qualified and their financial bids alone will be opened on a specific date and time. The bidder with highest marks will be considered as T1
- The financial bid opening date shall be intimated to the technically qualified bidders. The bidder with least quoted amount will be considered as L1.
- NIT Manipur has the discretion to award the contract to T1, if the T1 bidder agrees to execute the project at L1 Prices.

Chapter -10

Proposed Contract Terms

General Conditions of the Bid

1. Income Tax, Service Tax Registration

A Bidder who does not hold a valid PAN from Income Tax department and Service Tax Registration Certificate issued by the State where his business is located shall not tender. The Service Tax Registration Number quoted by the bidder must be valid on the date of submission of tender without which the tender is liable for rejection. The signed and stamped copy of all the supporting documents should be provided along with the tender.

2. Contract Documents

Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Language

- a. The Contract as well as all correspondence and documents relating to the Contract exchanged by the Bidder and NIT MANIPUR, shall be written in English language only. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, the translated version in English shall prevail.
- b. The Bidder shall bear all costs of translation and shall be responsible for the accuracy of such translation.

4. Notices

- a. Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the contract. The term "in writing" means communicated in written form with proof of receipt.
- b. A Notice shall be effective either from the date of delivery or within 7 days from the date of issue of Notice, whichever is later.

5. Applicable Law

- a. The contract shall be interpreted in accordance with the laws of the Union of India and the Imphal Government.
- b. Governing Law and Choice of Forum :
 - The laws of India shall govern this project. Any suit, action or proceeding shall be confined to the exclusive jurisdiction of Courts at Imphal (India).

- Cost of any suit/legal action initiated by any third party on account of the services provided by the selected bidder on any item related/pertaining to this project shall be borne by the selected bidder only and NIT MANIPUR will NOT be a party to the same.

6. Deliverables

The bidder whose tender is accepted shall arrange to start the services as mentioned in the bid document as per deliverables mentioned in **Chapter 7** of this RFP document.

7. Rates/ Prices

The rates quoted shall remain firm for the period of contract.

8. Terms of Payment :

S.No.	Activity	Amount to be released
1.	On submission of Version 1.0 of LMS for testing	30% of the estimated value of the project
2.	On delivery, deployment successful testing of e-learning Content of one complete Paper/Subject on NIT MANIPUR portal and testing thereof	30% of the estimated value of the project.
	On delivery, deployment of successful testing of e-learning content of all the courses	30% of the estimated value of the project
3.	After expiry of warranty period of 6 months.	10% of the estimated value of the project

9. The Payment for the Resource Persons for Online Classes can be determined on mutual terms during the development phase.

10. Standard of performance

- a) The selected bidder shall provide the services and carry out its other obligations under the agreement with due diligence, efficiency, economy, confidentiality and promptness. The selected bidder shall adhere to professional, engineering and consulting standards recognized by international professional bodies while observing sound management, technical and engineering practices. It shall apply appropriate advanced technology and safe and effective methods during execution of this Project and shall always act in full compliance of the provisions of this agreement. **The selected bidder shall always support and safeguard the legitimate interests of NIT MANIPUR, in dealings with any other party.**
- b) The selected bidder shall abide by the provisions of the legislation(s), related to the Information Technology, prevalent in India.

- c) The selected bidder shall be liable to NIT MANIPUR for financial losses in case of system and / or process failure.

11. Copyright

The content of this RFP is a copyright material of NIT MANIPUR. No part or material of this RFP document should be published on paper or electronic media without the prior written permission from NIT MANIPUR. However, the bidder will have copyright on all the documents and other materials containing data and information furnished to NIT MANIPUR by the bidder or through the bidder by any third party.

12. Intellectual Property Rights

The selected bidder shall warrant that there is no infringement of any patent or intellectual property rights caused by the conversion of e-contents which are subject matter of this project.

13. Confidentiality

The selected bidder and their personnel shall not, either during implementation or after completion of the project, disclose any proprietary or confidential information relating to the services, agreement or NIT MANIPUR's business or operations without the prior consent of NIT MANIPUR.

14. Penalty Clause / Liquidated Damage

Penalty: If the project is not completed and implemented satisfactorily as per the approved time schedule of 24 months, due to reasons solely and entirely attributable to the agency and not in any way attributable to the delay on the part of NIT MANIPUR, a penalty @ 1.0% per month, or part thereof, of the estimated cost of the contract may be imposed subject to a maximum of 10% of the estimated cost of the contract.

15. Subcontracts

The selected bidder shall not subcontract the awarded contract or part thereof to any other party.

16. Settlement of Disputes

- a) **General:** If any dispute arises between the selected bidder and NIT MANIPUR during the execution of contract that should be amicably settled by mutual discussions. However, if the dispute is not settled by mutual discussions, a written representation will be obtained from the selected bidder on the points of dispute. The representation so received shall be examined by NIT MANIPUR. The selected

bidder will also be given an opportunity of being heard and the decision on the representation will be conveyed in writing.

- b) **Legal Jurisdiction:** All legal proceedings arising out of any dispute between the parties regarding contract shall be settled by a competent court situated in Imphal (India) only, after decision of the standing committee for settlement of disputes.

17. Arbitration

- a) If any dispute arises out of the contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred to a sole arbitrator as per Arbitration and Conciliation Act, 1996.
- b) All legal proceedings shall have to be lodged in courts situated in Imphal (India) and not elsewhere.

18. Reservation of Rights

NIT MANIPUR reserves the right to:

- a. Extend the Closing Date for submission of the Proposals
- b. Amend the requirements at any time prior to the Closing Date, provided that the amendment is displayed on the **NIT MANIPUR** Website www.nitmanipur.ac.in.
- c. Seek information from the Bidders on any issue at any time.
- d. Allow a Bidder to change its Technical proposal if the same opportunity is given to all Bidders
- e. To accept any bid not necessarily the lowest, reject any bid without assigning any reasons.
- f. Terminate or abandon this Procedure or the entire project whether before or after the receipt of proposals.
- g. Seek the advice of external consultants to assist NIT MANIPUR in the evaluation or review of proposals.
- h. Make enquiries of any person, company or organization to ascertain information regarding the Bidders and its proposal.
- i. Reproduce for the purposes of this Procedure the whole or any portion of the Proposal despite any copyright or other intellectual property right that may subsist in the Proposal.

19. Force Majeure

- For purposes of this clause “Force Majeure” means an event beyond the control of the selected bidder and not involving the selected bidder’s fault or negligence and which was not foreseeable. Such events may include wars or revolutions, fires, floods, earth quakes, epidemics. The preventive measures for fire breakdown must be followed otherwise it will not be applicable here. The decision of NIT MANIPUR, regarding Force Majeure shall be final and binding on the Bidder.
- Notwithstanding anything contained in the Bid Document, the selected bidder shall not be liable for forfeiture of security, liquidated damages or termination for default, if and to the extent that, it’s delay in performance or other failures to perform its obligations under the agreement is the result of an event of Force Majeure.
- If a Force Majeure situation arises, the selected bidder shall promptly notify to the NIT MANIPUR in writing, of such conditions and the cause thereof. Unless otherwise directed by NIT MANIPUR in writing, the selected bidder shall continue to perform its obligations under the agreement as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. NIT MANIPUR may, terminate this agreement by giving a written notice of a minimum 15 days to the selected bidder, if as a result of Force Majeure; the selected bidder is unable to perform a major portion of the services for a period of more than 30 days.

Annexure - 1

Request for Proposal (RFP) Form

To

**The Registrar,
NIT Manipur,
Langol, Imphal,
Manipur 795004**

I. Ref Number:

Dated ---- ,2016

II. Other related details: -

1.	Name of Tenderer					
2.	Name & Designation of Authorized Signatory					
3.	Registered/Head Office Address					
5.	Year of Establishment					
6.	Type of Firm	Govt./PSU/ Autonomous Body of Govt.	Public Limited	Private Limited	Society	Partnership
7.	Telephone Number(s) Mobile Number(s)					
8.	Website URL					
9.	Fax No.					
10.	Email Address					
11.	Average Annual Turnover of at least Rs 1 Crore (Rupees one	2012-13	2013-14	2014-15		

	Crore Only) from development of e-learning content during the three financial years (2012-13, 2013-14 & 2014-15). (Copies of audited balance sheet and CA Certificate should be attached)			
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- III. The Tender fee amounting to Rs./- has been remitted vide DD/ Banker's cheque no. _____ dated _____ in favour of NIT MANIPUR, Payable at, Imphal, India.
- IV. We agree to abide by all the conditions mentioned in this Tender Document issued by the Tendering Authority and also the further conditions of the said Tender given in the attached sheets **(all the pages of which have been signed by us in token of acceptance of the terms mentioned therein)**.
- V. The rates for the services as prescribed in financial document are given separately in the financial bid.
- VI. The rates quoted are applicable up to period of contract from the date of opening of bid. The validity can be extended with mutual agreement. Following documents are attached towards the proof of earnest money deposited in favour of NIT MANIPUR, Payable at, Imphal, India.
- VII.

S. No.	Earnest Money deposited through DD/ Banker's Cheque			
	Bank Name	Number	Dated	Amount
1.				

VIII. Tax Certificates:

S. No.	Type of Tax	Whether copy of supporting documents enclosed (Yes/No)	Registration Number	Page No.
1.	PAN			

2.	Service Tax			
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IX. **No Advance payment shall be made. Payments shall be made as per payments terms.**

X. Following details are required for return of EMD of unsuccessful bidders:

S. No.	Return of Earnest Money through DD/ Banker's Cheque/NEFT/ RTGS				
	Name of Account Holder, Bank Name , Branch and Address	Account Type (Savings/Curr ent)	Account Number	IFSC Code	MICR Code
1.					

XI. Bid duly filled and signed is enclosed with this tender form with Terms & Conditions in token of acceptance along with duly filled letter of undertaking / declaration

XII. Financial Bid given in this Bid Document is enclosed in a separate envelope duly signed and sealed.

Name of the Bidder: -

Authorized Signatory: -

Seal of the Organization: -

Date:

Place:

Annexure-2

Letter of Undertaking

(ON THE LETTER HEAD OF THE BIDDER)

To

**The Registrar,
NIT Manipur,
Langol, Imphal,
Manipur 795004**
Sir,

Subject: Development of e-Learning Portal with e-Learning Content for B.Tech and M.tech Courses of NIT, Manipur

This bears reference to NIT MANIPUR RFP No.Dated ----- ,2016

We, hereby, accept all the terms and conditions for submitting bid as mentioned in this RFP Document.

We hereby certify that no terms and conditions have been stipulated by us in the Financial Bid.

We warrant that the service do not violate or infringe upon any patent, copyright, trade secret or other property right of any other person or other entity. We agree that we shall prevent NIT MANIPUR from any claim or demand, action or proceeding, directly or indirectly resulting from or arising out of any breach or alleged breach of any of the terms & conditions of bid document and contract.

The above document is executed on ___/___/___ at (place) _____ and we accept that if anything out of the information provided by us is found wrong our tender/ work order shall be liable for rejection.

Thanking you,

Yours faithfully,

Name of the Bidder: -
Authorized Signatory: -
Seal of the Organization: -

Date:

Place:

Annexure-3

Firm Strength

(On Bidder's letter head)

To

**The Registrar,
NIT Manipur,
Langol, Imphal,
Manipur 795004**

Subject: Firm Strength

Respected Sir,

This is to certify that <<**Company Name**>> have minimum 20 professionals on its rolls as of 31st March 2015. The bidder is having the necessary experience and expertise to handle this project and shall not outsource this project to a third party.

Dated this Day of 2016

Name of the Bidder: -
Authorized Signatory: -
Seal of the Organization

Annexure-4

Financial Bid

**The Registrar,
NIT Manipur,
Langol, Imphal,
Manipur 795004**

Name of the Bidder : _____

Address for Correspondence : _____

I/we hereby submit the consolidated financial proposal for Development of e-learning portal with e-learning content for B.Tech and M.Tech Courses as per the Scope of work given in this tender document within the time specified and in accordance with the terms and conditions.

The bidders are required to quote the rates in the following format:

Description	Amount	Taxes (if any)	Total Amount (in Rs.)	Amount in Words
Development Charges for Per hour of e-Learning Content for the Courses mentioned in Annexure 11				

In case there is discrepancy between the charges in figures and charges in words, the charges written in words will be assumed correct.

Note:

1. The price quoted above will be inclusive of development of portal, development of content, visit to NIT MANIPUR, Imphal office and for collection of data /uploading into portal/ providing a solution to the technical difficulties reported by NIT MANIPUR, while & after implementation of final version of the portal & e-Content as per requirement.

Annexure - 5

Representative Authorisation Letter

Date : _____

Ref : _____

To

**The Registrar,
NIT Manipur,
Langol, Imphal,
Manipur 795004**

Dear Sir,

Ms. /Mr. _____ is hereby authorised to sign relevant documents on behalf of our organisation for the RFPs for “for Development of e-learning portal with e-learning content for B.Tech and M.Tech Courses”. She/ He is also authorised to attend meetings & submit financial information as may be required by you in the course of processing above said RFP.

Thanking you,

Authorised Signatory
Representative Signature
Company Seal

Annexure 6

NON BLACKLISTING

(On Non-Judicial Stamp Paper of Rs 100/- duly attested by the Notary Public)

In response to the RFP No. _____ Dated _____ for “for Development of e-learning portal with e-learning content for B.Tech and M.Tech Courses, I/ We hereby declare that presently our Company/ Firm _____ is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central Government/ PSU/Autonomous Body.

We further declare that presently our Company/ firm _____ is not blacklisted and not declared ineligible for reasons other than corrupt & fraudulent practices by any State/ Central Government/ PSU/ Autonomous Body on the date of Bid Submission.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Deponent

Notary

Annexure 7

**DETAILS OF SIMILAR WORKS EXECUTED SUPPORTED BY WORK ORDER AND COMPLETION
CERTIFICATE**

S.No.	Name of Work/ Project & Location	Name of the Client	Cost of Work in INR	Duration

Name of the Bidder: -
Authorized Signatory: -
Seal of the Organization: -

Date:
Place:

Annexure-8
Check List of Requirements and Compliance Sheet

S. No.	ELIGIBILITY CRITERIA	Documents Required to be Submitted in RFP	Provide Compliance details Yes/No	Ref Page No in RFP
1.	Annexure - 1			
2.	Letter of Undertaking as per Annexure-2			
3.	Firm Strength as per Annexure-3			
4.	Financial Bid as per Annexure-4			
5.	Representative Authorisation Letter as per Annexure-5			
6.	Affidavit for NON BLACKLISTING as per Annexure-6			
7.	List of Clients and Projects executed as per Annexure-7			
8.	The Applicant must be a Proprietorship Concern/Company registered under Indian Company Act, 1956/Firm registered under the partnership Act 1932/Society registered under Societies Act, 1860/Autonomous bodies or any other venture not covered above.	Copy of Certificate Incorporation		
9.	The bidder should have valid registration with appropriate statutory authorities as required under law. A copy of all such registrations such as MOA, PAN and Service Tax, etc. must be enclosed.	Copy of PAN,TAN, Service Tax Registration Certificate etc.		
10.	The bidder should have been in the e-learning content development at least for last three years as on 31-March-2015 and served at least two clients from any of the Govt. Sector/ PSUs/ Autonomous Bodies of Govt./ Universities etc.	List of clients and copy of work orders as on 31-March- 2015		
11.	The bidder should have served at least one client from North East Region of India			
12.	The bidder should have executed one project worth of two crores and more in			

	North East Region for any of the Govt. Entity			
13.	The bidder should have annual turnover of at least Rs. 1 Cr (Rupees one Crore Only) during the last three financial years from e-learning content development services. The Balance Sheet of the company for the last three years should be attached	<ul style="list-style-type: none"> • Extracts from the audited Balance Sheet • CA Certificate from the statutory auditor 		
14.	The organisation with Quality Standards such as ISO/SEI-CMM level standards is preferred	<ul style="list-style-type: none"> • Copy of certifications, ISO/SEI-CMM if available, may be submitted 		
15.	The bidder should possess the essential infrastructure, facilities and technical expertise and should have on its payroll at least 20 Technical employees.	<ul style="list-style-type: none"> • List of technical experts. • The bidder has to give an undertaking on its letter head having the necessary experience and expertise to handle this project and shall not outsource this project to a third party. 		
16.	Cost of RFP Document Rs. 5000. /-	DD/ Banker's Cheque of Rs.5000 /- in favour of "NIT MANIPUR" payable at "Imphal" must be enclosed		
17.	EMD of Rs.4,00,000/-	DD/Banker's Cheque of Rs.4,00,000/-in favour of "NIT MANIPUR " payable at "Imphal" must be enclosed		

Annexure 9

PRE-BID QUERIES FORMAT

Name of the Company/Firm:

Address of the Company/Firm:

Name of Person(s) Representing the Company/ Firm:

Name of Contact Person(s)	Designation	Email-ID(s)	Tel. Nos., Mobile Number & Fax Nos.

Query / Clarification Sought:

S.No.	RFP Page No.	Query/ Suggestion/Clarification

Note: - Queries must be strictly submitted only in the prescribed format (.XLS/ .XLSX/ .ODF). Queries not submitted in the prescribed format will not be considered/ responded at all by the tendering authority.

Annexure 10

BROAD SCOPE OF WORK

- The e-Learning portal to be developed should be in compliance with W3C standards.
- e-Learning Portal should be developed on Open Source Operating System
- e-Learning portal should also be compatible with all popular browsers and it must fit all resolutions and work on all platforms.
- NIT MANIPUR will provide only the Syllabus of the Courses to be developed as e-learning content.
- The e-learning content should have necessary concept descriptions, animations, interactive exercises, assignments and video lectures.
- The agency awarded with the contract should ensure that the resources persons are available for video lectures.
- The resource person (preferably the same person in Video lecturers) to be available at NIT Manipur Campus for Live lectures on specific dates and time.
- The copy right violation will be the sole responsibility of the agency/agencies developing the e-Contents. The agency/agencies have to give an undertaking to this effect. The images, text used should be taken care of by the developing agency/agencies as we won't be responsible for any violations.
- NIT MANIPUR will have full rights to use the e-Contents and no royalty will be paid to the developing agency/agencies, and we will be distributing these contents to our respective centres where they will be used for teaching purposes. Also, these contents will be hosted online for e-learning purposes.
- No watermark, logo of any kind should be the part of e-Content that advertises the developing agency/agencies. If found the re-work shall be done by the agency to remove any such traces and this needs to be done in the project time frame.

Annexure 11

List of Papers for Developing e-learning Content. Syllabus can be downloaded from www.nitmanipur.ac.in

Department	Semester	Sl.	Papers/Subjects
B.TECH. (ECE)	3rd Semester	1.	EC201 Network Analysis
		2.	EC203 Semiconductor Device and Circuits
		3.	EC205 Analog Circuits
	4th Semester	4.	EC202 Digital Electronics and Computer Architecture
		5.	EC204 Analog Communication
		6.	EC208 Signals and Systems
	5th Semester	7.	EC303 Digital Communication
		8.	EC305 Electromagnetic Theory
		9.	EC309 Control Systems
	6th Semester	10.	EC308 Antenna Design
	7th Semester	11.	EC401 Microwave Engineering
M.TECH. (VLSI & Embedded Systems)	1st Semester	12.	EC501 Analog and Digital CMOS IC Design
		13.	EC502 Semiconductor Device Modelling
	2nd Semester	14.	EC504 Real Time Operating Systems
		15.	EC505 Embedded Signal Processing
B.TECH. (EE)	4th Semester	16.	EE206 Measurement & Instrumentation
		17.	EE208 Electrical Machines-I
	5th Semester	18.	EE301 Power Electronics
		19.	EE303 Electrical Machines-II
		20.	EE305 Transmission and Distribution
		21.	EE307 Control System
		22.	EE309 Electromagnetic Field
	6th Semester	23.	EE302 Microprocessor and Applications
		24.	EE304 Power System Protection
		25.	EE306 Advance Control System
	7th Semester	26.	EE403 Power System Analysis
	8th Semester	27.	EE402 Power System Operation and Control
	M.TECH. (Power & Control Systems)	1st Semester	28.
29.			EE 502 Modern Power Systems
30.			EE 503 MODERN CONTROL THEORY
31.			EE 504 HVDC AND FACTS
2nd Semester		32.	EE 505 Optimal and Adaptive Control
		33.	EE 506 Digital Control
		34.	EE 507 Advance Power System Protection
		35.	EE 508 POWER SYSTEM TRANSIENTS
Computer Science and Engineering Department		36.	Digital Design
		37.	Formal Languages And Automata Theory

Department	Semester	Sl.	Papers/Subjects
		38.	Algorithms
		39.	Computer Organization And Architecture
		40.	Software Engineering
		41.	Machine Learning
		42.	Information Storage And Retrieval
		43.	Data Mining
		44.	Digital Image Processing
		45.	Natural Language Processing
		46.	Cryptography And Network Security
		47.	Distributed System