



## Rajiv Gandhi University

Rono Hills, Doimukh, Arunachal Pradesh, INDIA - 791 112

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# COVER PAGE

## Tender Notice

### “Expression of Interest”

**Expression of Interest for Design, Supply & Commissioning of  
Multi-Purpose Room at Rajiv Gandhi University, Arunachal Pradesh**

<b>Probable Project Cost (Including 2 Years AMC)</b>	<b>: ₹ 30 lakhs (Inclusive All)</b>
<b>Tender Cost</b>	<b>: ₹ 5,000/- (in form of D.D.)</b>
<b>Earnest money deposit</b>	<b>: ₹ 1.5 lakhs (in form of D.D./FDR/Bank Guarantee)</b>
<b>Last date of submission of EoI</b>	<b>: 28/02/2020, up to 4:30 pm</b>
<b>Pre-Bid Meeting at University</b>	<b>: 24/02/2020 at 11:00 am</b>
<b>Date &amp; Time of opening of Technical Bid</b>	<b>: 2/03/2020, at 3:00 pm</b>



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**Eoi No. CC-41/MPR/2020 Itanagar, Date: 14/02/2020**

#### **Tender Notice**

#### **Expression of Interest for Design, Supply & Commissioning of Multi-Purpose Room at Rajiv Gandhi University**

Rajiv Gandhi University, Rono Hills, Doimukh, (Arunachal Pradesh), invites Expression of Interest (EOI) through open tender from reputed manufacturers/authorized distributors/dealers for Design, Supply & Commissioning of Multi-Purpose Room at Rajiv Gandhi University, Doimukh, (A.P). Details & formats and other terms & conditions regarding the EOI can be downloaded from the following websites:-

[www.rgu.ac.in](http://www.rgu.ac.in)

Registrar



# Rajiv Gandhi University

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## EXPRESSION OF INTEREST FOR DESIGN, SUPPLY & COMMISSIONING OF MULTI PURPOSE ROOMS AT RAJIV GANDHI UNIVERSITY (A.P.)

Rajiv Gandhi University, Doimukh (Arunachal Pradesh) invites Expression of Interest (EOI) from reputed manufacturers /authorized distributors/dealers for Design, Supply & Commissioning of Multi-Purpose Room which can be downloaded from University website [www.rgu.ac.in](http://www.rgu.ac.in).

Bid/Tender cost (Nonrefundable) of Rs. 5,000/-, EMD of Rs. 1,50,000/- (Rupees One lakh Fifty thousand Only) in the form of Demand Draft/FDR/Bank Guarantee from any Nationalized Bank in favor of "Registrar, Rajiv Gandhi University" payable at Itanagar, (Arunachal Pradesh) and a CD/DVD containing the Power Point Presentation & layout drawings/design for furniture & equipment's, with complete interior work, proposed design plan of each room with the list of materials, designing, digitization of rooms through smart class room equipment's must be submitted through registered post/speed post/ courier service to the prescribed address at Rajiv Gandhi University within the due date of submission, failing which the bidder/ firm will be disqualified in the Technical Bid itself.

The detailed scope of the work for this Eoi is given as under.

S.No.	Client/Eoi No.	SCOPE OF WORK	Estimate Cost Including all (In Rupees)
1	Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, India- 791 112  Eoi No.xx/xxxx/2020, dated: xx/xx/2020	Design, Supply and Commissioning of Multi-Purpose Room at Rajiv Gandhi University:- <b>The scope of work includes</b> interior work like False Ceiling, Eco Proof wall paneling, elevated wooden stage and carpet/ wooden flooring, Lighting, Provision and Installation of Air-Conditioning, Video conferencing & Smart Classrooms Equipments, Modular Furniture-with complete electrical work of the room including wires, switchboards, MCB's, DB Box, Main supply, Power cables etc.	Rs. 30 Lakhs (Inclusive All and including 2 Years AMC)

This tender contains the following documents:-

- Essential Eligibility Criteria for Bidders
- Submission and Evaluation Criteria of Bid/Tender/Eoi
- General Instructions for Bidders
- Declaration (Annexure – I), Technical Specification (Annexure –II) and Financial/Price Bid (Annexure – III)



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## **A. ESSENTIAL ELIGIBILITY CRITERIA FOR BIDDERS**

1. The bidder must have experience of similar supplies and installation in Central Government/ State Government/ PSU/ Universities / Reputed Higher Educational Institutions, during the last 3 years. Similar works is defined as Supply & Installation of Digital Classrooms, Smart Classrooms, Interactive Classrooms, Video Conferencing Setup, Digital Studio, etc.
2. The firm should have average financial turnover of at least Rs. 1.0 Crores during the preceding last 3 consecutive financial years. Audited balance sheet for FY. 2018-19, 2017-18 & 2016-17 to be submitted. A certificate from Chartered Accountant must be enclosed in support of the statement.
3. Proof of Registration Certificate of Firm, Original Equipment Manufacturer (OEM) Authorization letter (as and where applicable) should be attached by the Bidder.
4. The bidder should be a single Company/ Firm. No consortium is allowed. Relevant document in the support of this statement must be enclosed.
5. Copies of the audited balance sheet of the vendor/bidder for the last three financial years, details of Permanent Account Number, ITR (Income Tax Return) for last 3 financial years must be attached by the Bidder.
6. The Bidder must submit the authorization Certificate of Multi-Purpose Room Equipment's from the Original Equipment Manufacturer (OEM) that should be issued after the release date of this Eol.
7. G.S.T Registration Certificate & Bank mandate of the Company/Firm at least 5 years old (Enclose the copy of Registration Certificate) must be submitted by the bidder.
8. The bidder must enclose a notarized certificate that the Organization has not been black listed by any institution of the Central/ State government / PSU/ University/ Institute etc. in the past three years.
9. The Bid without credentials shall be rejected.

The Bidder must furnish the following information in the tabular form.

ELIGIBILITY CRITERIA AS PER SECTION A								
Information as per clause No.	A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8
Reference page numbers of the documents submitted by the bidder	From-to	From-to	From-to	From-to	From-to	From-to	From-to	From-to



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### B. SUBMISSION AND EVALUATION CRITERIA OF BID/TENDER/EoI B1. SUBMISSION

#### OF BID/TENDER/EoI

##### Important:

- a. The EoI/Tender document can be downloaded from the website [www.rgu.ac.in](http://www.rgu.ac.in) Corrigendum, if any, would appear only on the above web sites and will not be published anywhere else.
- b. Bid must be duly signed by an authorized signatory, who has been authorized by the concerned Firm/Bidder. For this, a Declaration in the prescribed format (Annexure -I) duly filled in, sealed and signed on a non-judicial stamp paper of Rs. 100/- must be scanned and submitted along with the Technical Bid.
- c. Tender Cost, EMD, Lay out Drawing and Online (soft copy) Bid Submission
  - i. The bid document consisting of scope of work and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from websites [www.rgu.ac.in](http://www.rgu.ac.in).
  - ii. Bid/Tender cost (Nonrefundable) of Rs. 500/- should be in the form of demand draft in favor of "The Registrar, Rajiv Gandhi University", drawn on any nationalized bank payable at Itanagar (A.P.) EMD of amount Rs. XXXX should in the form of demand draft/FDR/ Bank Guarantee in favor of " The Registrar, Rajiv Gandhi University", drawn on any nationalized bank payable at Itanagar, Arunachal Pradesh
  - iii. The Bidder must provide the Power Point Presentation and layout drawings/design for furniture & equipment's, with complete interior work, proposed design plan of each room with the list of materials , designing, digitization of rooms through Multi-Purpose Room equipment's in a CD/DVD. The Bidder must ensure that content in this CD/DVD is running successfully.
  - iv. The above CD/DVD, Original demand draft for Bid Cost (Non-refundable) and D.D./FDR/Bank Guarantee for Earnest Money Deposit (EMD) in a sealed envelope only through speed/registered post/ courier service must reach to the following address on or before the last date of submission and time i.e. 28/02/2020 up to 4:30 pm.



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To,

“The Registrar,

Rajiv Gandhi University,

Itanagar, Arunachal Pradesh”

- v. The above envelope should be marked “EOI/Tender Notice No. CC-37/MPR/2020, dated 14/02/2020”.
- vi. The intending bidder (s) must read the terms and conditions of this EOI carefully, and should submit bid only if they are eligible and are in possession of all the required documents.
- vii. Bidder must upload on the e-Tendering website the scanned copy of demand draft for Bid Cost (Non-refundable), and demand draft/FDR/BG of Earnest Money Deposit (EMD) in PDF format. The copies (Images) of the above two demand drafts should be combined, scanned and uploaded as a single file only with file name as “Bid Cost\_EMD\_Name of Bidder.PDF” within the period of bid submission.
- viii. Bidders must upload on the e-Tendering website [www.eprocure.gov.in](http://www.eprocure.gov.in), the scanned copy of the bid documents Technical (in PDF format) and Financial Bids (as per format available on the website ([www.eprocure.gov.in](http://www.eprocure.gov.in))) within the period of bid submission.
- ix. First PDF file titled “Technical Bid \_Name of Bidder must have all required document related to Technical Bid.
- x. Second file (as per the format available on the website [www.eprocure.gov.in](http://www.eprocure.gov.in)) titled “Financial Bid\_Name of Bidder” must have the Financial Bid.
- xi. The bidders are required to upload and submit the scanned page of Technical documents as per essential eligibility criteria for the bidders and other required documents as per this EOI.
- xii. The Technical bid file must contain the scanned copies of duly signed EOI, certified copies of documents related to ESSENTIAL ELIGIBILITY CRITERIA, all relevant information and documents of turnover, work experience certificates, Proof of Registration Certificate of Firm, OEM Authorization letter (as and where applicable), copy of the audited balance sheet of the vendor by the chartered accountant for the last three financial years, Details of Permanent Account Number, ITR (Income Tax Return) for last 3 financial years, GST registration certificate, bank mandate for company/firm at least 5 years old, etc. relevant for evaluating the bidder technically, Declaration(Appendix- I ), Corrigendum / Addendum / Other documents, if any, etc.
- xiii. The bidder shall quote the items (up to 2 Decimals) as per Appendix – III.
- xiv. The tenderer (s) is/are required to quote the rate strictly as per the terms and conditions, specifications, standards given in the EOI documents.
- xv. Power of Attorney of the person must be having digital signature for signing /submitting the tender. This should be supported by Board Resolution (in case of a company registered under the Companies Act).



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- xvi. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the tenderer, rate of such item shall be treated as "0" (ZERO).
  - xvii. Information and Instructions for tenderers posted on websites shall form part of bid document.
  - xviii. The bidders are advised to submit complete details with their bids. The Technical Bid Evaluation will be done on the basis of documents uploaded on e-tendering web site(s) by the bidders with the bids. Bids with Incomplete/Ambiguous information will be rejected.
  - xix. Before the last time and date of submission of bid as notified, the tenderer can submit revised bid any number of times.
  - xx. On opening date, the Bidder can login and see the bid opening process.
  - xxi. The tenderer (s) if required, may submit queries, if any, through E-mail (E-mail of [registrar@rgu.ac.in](mailto:registrar@rgu.ac.in)) and in writing to The Registrar, Rajiv Gandhi University to seek clarifications within 07 days from the date of uploading of Tender on website will reply only those queries which are essentially required for submission of bids. will not reply the queries which are not considered fit like replies of which can be implied /found in the NIT/EOI Documents or which are not relevant or in contravention to NIT/EOI Documents, queries received after 07 days from the date of uploading of Tender on website, extension of time for opening of technical bids, etc. Technical Bids are to be opened on the scheduled dates. Requests for extension of opening of Technical Bids will not be entertained.
- d. Last date of submission of the bid online as well as original hard copies of DD for Tender Cost & EMD and CD/DVD containing layout drawings, Power Point Presentation etc., for proposed works, etc. is up to 4:30 pm on 28/02/2020.
  - e. Online technical bid documents submitted by tenderers shall be opened only of those tenderers, whose Power Point Presentation and layout drawings/design for furniture & equipment's, with complete work in a CD/DVD, Earnest Money Deposit and Cost of Bid Document sent to the university, in the sealed envelope, and are found in order and valid.
  - f. Date and Time of opening of the online/sealed envelope at 3.00 PM on xx/xx/2020. (Venue: Administrative Block).
  - g. Successful bidder shall have to submit the certified serially numbered hard copies of all the documents uploaded on the designated website and other relevant original documents for verification before award of the work.

### **B2. EVALUATION CRITERIA & PRICE BID**

- I. Evaluation Criteria - The broad guidelines for evaluation of Financial Bids will be as follows:
- II. Only those Financial Bids will be opened and evaluated which are found to fulfill all the eligibility and qualifying requirements of this EoI.



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- III. The bidder should quote the rates inclusive of all taxes and all others in Indian Rupees. The total price of all items shall consist of all taxes & duties and other levies (if any) as per Government rules and regulations like GST, Service Tax, Packaging & Forwarding charges, loading, unloading, transportation, transit insurance, installation, commissioning, testing, Training, Technical literature, Tools, AMC, Supply of Educational Content Software, Any other requirement, etc (as and where applicable).
- IV. L<sub>1</sub> (First Lowest) shall be evaluated on total amount of all items as mentioned in the Financial Bid Format (as per Annexure – III).
- V. The rates are to be quoted by the bidders in Indian Rupees only and payment shall also be made to successful bidders in Indian Rupees only.
- VI. All prices shall be fixed and shall not be subject to escalation of any description.
- VII. Quoted price should be prescribed in both words and figures. If there is any discrepancy between word and figures, the quoted rate in words will be taken as final quoted price by the bidder.

### **C. GENERAL INSTRUCTIONS FOR BIDDERS**

1. The vendors/ firms/ bidder should have valid GST registration. Relevant documents must be attached as required in sections A and B.
2. The entire project will be done by a single vendor. Single company/Firm will be awarded the complete project. No consortium will be entertained.
3. The bidder has to put the firm's seal and signature in full at all pages of the bidding document. Bid must be submitted and signed by the authorized signatory only. Conditional and incomplete offer will be liable to be rejected.
4. The bidder should have an authorized dealership/registered certificate of Smart/ Multi-Purpose Room Equipment's from the original OEM. The Authorization/Dealership letter or certificate of principal manufacturing company (OEM) should be issued after the date of publication of this EOI to be attached in original.
5. Products to be supplied/ installed should be brand new and as per the exact specification provided in the tender document (Annexure –II).
6. Preference will be given to "Make in India" products.
7. The seating capacity of the respective room will be as mentioned in the technical specification (Annexure –II).





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8. The total estimated cost of the project (inclusive of all) as per this EoI is Rs. 30 lakh.
9. Pre-Bid Meeting: University will host a Pre-Bid Meeting of prospective bidders as on 24/02/2020 11:00 am in the Office of the Registrar, Rajiv Gandhi University. The representatives of the interested organizations may attend the pre -bid Meeting at their own cost.
10. The University reserves the right to modify unilaterally any part of this document at any stage of awarding the work to the successful bidder in the interest of the University.
11. Disqualification: The University may disqualify bids on account of any of the following reasons:
  - i. If bid is received after the last date and time.
  - ii. If the tenderer does not upload all the documents (as per sections A and B including service tax, GST, etc. registration) as stipulated in the bid document.
  - iii. Tenders in which any of the prescribed conditions are not fulfilled or found incomplete in any respect are liable to be rejected.
  - iv. If the bidder attempts to influence any member of the expert panel.
  - v. If the bid is conditional.
  - vi. If the bidder provides any misleading information or conceals any information.
  - vii. If the Bid is received without the original hard copies of Bid Cost, EMD and a CD/DVD containing layout drawings, Power Point Presentation related to designing, etc. of the work.
  - viii. If the bidders make any corrections, additions, alterations in the downloaded bid document.
  - ix. If bidder is under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of India (GoI), State / Central Government, or any other of their agencies.
  - x. Non fulfillment of any of the eligibility criteria as per this EoI
  - xi. Bid submitted without the Declaration as per Annexure-I
  - xii. The decision of the University in the matter of disqualification shall be final and binding and no further correspondence shall be entertained from any disqualified bidder thereafter.



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12. All provisions in this document and future documents to be issued by the University in connection with this work are supplementary and complementary to each other and are not to be read in isolation.
13. Bidders are advised to visit the designated websites [www.rgu.ac.in](http://www.rgu.ac.in) regularly for latest updates & clarifications regarding this EOI and subsequent stages.
14. In the interest of the University, the University reserves the right to:
  - i. Accept or reject any or all bids for this Eoi without assigning any reason, whatsoever at any stage.
  - ii. Amend the selection process at any stage without assigning any reason, whatsoever.
  - iii. Interpret any clause, modify/alter and amend the provisions of this EOI or any other document issued at any stage of selection without assigning any reason, whatsoever.
  - iv. Amend the scope of work without assigning any reason, whatsoever.
  - v. debar the bidder, if during the process of selection or later at any stage, it is found or discovered that bidder has/ had provided incorrect/misleading information or material misrepresentation or concealment of information sought by the and
  - vi. Close/ cancel the invitation/ tender notice at any stage without assigning any reason, whatsoever.
15. The Technically Eligible bidders, if interested can attend the opening of the Financial Bids. The date and time of opening the financial bid shall be notified later and uploaded on the websites [www.rgu.ac.in](http://www.rgu.ac.in)
16. Any addition/deletion/modification of this EOI made before the due date of the tender will be displayed on [www.rgu.ac.in](http://www.rgu.ac.in) website only.
17. In case the last date fixed for the submission of the EOI is declared as the holiday/off-day, the next working day shall be deemed to be the last date.
18. The University reserves the right to verify the particulars furnished by the bidders independently and to obtain feedback from clients of the Bidder for whom, similar services had been rendered out by them.
19. Mere fulfilling the criteria laid down in this EOI does not entitle/guarantee the bidder to be shortlisted/selected/awarded the works at. The decision of acceptance of any or all tender(s) will rest with who does not bind itself to accept the lowest tender and reserves to itself the right to reject any or all of the tenders received without assigning any reason thereof.



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20. Period of Validity of Bids: 06 months from the final bid due date.
21. The following shall be noted related to EMD.
  - (i) The EMD (without any interest) for all those bidders who are found not eligible shall be returned back to the bidder through registered post/speed post.
  - (ii) The EMD without any interest shall be refunded/ returned to remaining bidders after signing of agreement/MoU with the successful bidder.
  - (iii) No exemption from depositing the EMD shall be allowed to any participating bidder.
  - (iv) Validity of EMD shall be six (6) months from the last due date of submission of EOI.
  - (v) EMD shall be forfeited in the following cases:
    - a) If any information or document furnished by the bidder turns out to be misleading or untrue in any material respect; and
    - b) If the successful bidder fails to execute the contract/ agreement within the stipulated time or any extension thereof provided by.
    - c) The earnest money deposit (EMD) shall not carry any interest.
22. Inspection: or its representative shall have the right to inspect or to test the items to confirm their conformity to the ordered specification. In case any inspected or tested goods fail to conform to the specifications, may reject them and supplier shall either replace the rejected goods or make all alterations necessary to meet specification required free of cost to.
23. The quantities mentioned in the BOQ are approximate quantities. The bidder shall visit the university campus for exact and accurate measurements.
24. As per requirement and in the interest of the University, the quantity mentioned in Financial Bid may be decreased or increased.
25. As per requirement and in the interest of the University, any other items which are not mentioned in Financial Bid may be added for which the rate shall be decided on the basis of market rate analysis.
26. The award of the contract will be decided on the basis of evaluation of design layout, material quality to be used, etc. by the bidder. The decision of the University in this regard shall be final and binding on the bidders.
27. Declaration as attached in this EOI (Annexure –I) must be furnished by the bidder only on non-judicial stamp paper of Rs. 100/-.



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28. The bidder may visit the university campus and take actual measurement of the room which needs to be designed. University will not pay for any such expenses incurred during the site-visit. It is the complete responsibility of the bidder and has to bear the expense for it. Also, the bidder should take into account the cost of dismantling of complete room which includes previous wall paneling and flooring work, furniture, window glass paneling, electrical work, etc. No extra cost will be borne by the university and the complete dismantling work will be done by the vendor itself.
29. University reserves the right to visit the showroom and manufacturing /assembling units of the bidder/OEM for the quality assurance, if it so desires.
30. The items supplied by the firm shall be of high quality, standard & grade and in the inspection/ test or at any later stage, if the supplied items are found to be of inferior quality, the same shall have to be replaced by the supplier at its own cost/expenses within the stipulated period given by the university, failing which the order of the firm may be cancelled. Delayed supply/non-compliance of complete order may also lead to cancellation of work order.
31. Specification: The following Specification clause will form part of the contract placed on successful Bidder. The Firm/Bidder shall guarantee to meet the specifications as per Annexure – II and incorporate the modifications to the existing design configuration to meet the specific requirement of the University Services as per modifications/requirements recommended after the Maintenance Evaluation Trials. All technical literature and drawings shall be amended as the modifications by the Firm/bidder before supply to the University. The Successful Bidder, in consultation with the University, may carry out technical up gradation/ alterations in the design, drawings and specifications due to change in manufacturing procedures, indigenization or obsolescence. This will, however, not in any way, adversely affect the end specifications of the equipment. Changes in technical details, drawings repair and maintenance techniques along with necessary tools as a result of upgradation/ alterations will be provided to the University free of cost within 07 days of affecting such Upgradation/ alterations.
32. Delivery Period – Delivery period for supply of items would be 90 days from the date of supply order. Please note that contract may be cancelled unilaterally by the University in case services / supply are not received within the contracted delivery period. Extension of



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contracted delivery period will be at the sole discretion of the University with applicability of LD clause.

33. On Site WARRANTY Maintenance: The warranty period of 12 months for the all items/goods/ furniture, electronic items, etc. shall be taken into account from the date of completion of supply of products, its successful delivery/inspection installation/commissioning including accessories if any, whichever is later.

The Firm/Contractor shall fulfill the following conditions during warranty period:

- a) Any defect in the goods/ furniture thereof should be rectified within maximum period of 48 hours of lodging complaint at Nodal Centre and Sites with-public air-transport facilities
  - b) Any defect in the supplied goods failing due defective material manufacturing defects or Quality Control problem at least three times in three months, or where the penalty amount on account of downtime for three months has crossed 10% of the goods value, will be totally replaced by the Vendor at his cost and risk within 30 days, from the date of last failure.
  - b) The firm/contractor shall provide contact numbers (preferably toll free) along with Email IDs to the University ( ) for complaint booking. All these contacts provided by the Firm/contractor should be working, attended and replied. It will be a single window complaint booking system; University shall not be contacting other than this system for maintenance / repair of their materials/services whatsoever.
34. Annual Maintenance Contract (AMC) – The Annual Maintenance for first year is not to be charged for the all items/goods/ furniture, electronic items, etc. as this period will be under on-site warranty maintenance. The AMC charges for subsequent two years (after the first year warranty period as specified before) for all the items except for interior work and furniture items must be mentioned in the bid. Any tax levied thereof on the AMC for these two years shall also to be mentioned distinctly. The decision of calculating L1 (first lowest) will be governed by AMC as well.
35. Payment Terms: It will be mandatory for the Bidders to indicate their bank account numbers and other relevant e-payment details so that payments could be made through ECS/NEFT mechanism instead of payment through cheques, wherever feasible. The payment will be made as per the following terms, on production of the requisite documents. No advance payment(s) will be made.



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- (i) The payment will be made as per the following terms, on production of the requisite documents: 50% of the contract value will be payable on completion of civil/ interior works and balance 50% on successful installation, commissioning, testing, receipt of Guarantee / Warranty certificate, user's manual, accessories, etc. by the bidder .
  - (ii) The AMC charges for the subsequent 2 years mentioned by the bidder in the Financial Bid shall be paid in two installments each at the end of successful 1 year guarantee period.
36. Performance Warranty: The EMD deposited by the successful bidder shall be treated as performance guarantee for the firm in case the work is awarded to the concerned Bidder. The same shall be released after the award of work and submission of security deposit by the selected bidder.
37. Security Deposit: Security Deposit (SD) @ 5% of the basic amount (excluding Taxation), as per contract/work order shall have to be submitted along with the bill in the form of DD/FDR/Bank Guarantee from any Nationalized Bank, Otherwise, the same amount will be deducted from the billed amount. On satisfactory completion of the liability period (that is warranty period of 12 months), SD will be released to the Contractor/Firm on demand 30 days after expiry of the liability period.
38. Price should be valid for one year for delivery at Rajiv Gandhi University Campus, Itanagar, Arunachal Pradesh It can be further extended up to a maximum of three years from the date of first agreement (in stretch of 06 months each) with mutual consent of either parties for Design, Supply & Commissioning of Multi-Purpose Rooms of more rooms having similar type of work on same average quoted prices. Such extension shall be done on satisfactory performance of the firm during the contract period.
39. The items should be delivered without any extra cost at the university premises and will also have to be installed/ assembled without any extra cost. All expenses incurred due to transport, packing, forwarding, loading-unloading, transportation, transit insurance etc. shall have to be borne by the vendor/ firm only.



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40. Transfer and Sub-letting: The Successful Bidder has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.
41. Non-disclosure of Contract documents: Except with the written consent of the University, the firm/bidder and other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.
42. Patents and other Industrial Property Rights: The prices stated in the present Contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other industrial property rights. The Firm/Bidder shall indemnify the University against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use. The Successful Bidder shall be responsible for the completion of the supplies including spares, tools, technical literature and training aggregates irrespective of the fact of infringement of the supplies, irrespective of the fact of infringement of any or all the rights mentioned above.
43. Fall Clause: The following Fall clause will form part of the contract –
- (i) The price charged for the services and stores supplied under the contract by the Bidder / firm shall in no event exceed the lowest prices at which the Bidder / firm sells the stores and services or offer to sell stores and services of identical description to any persons/Organization including the purchaser or any department of the Central government or any Department of state government or any statutory undertaking the central or state government as the case may be during the period till performance of all supply Orders placed during the currency of the rate contract is completed. If at any time, during the said period the Successful Bidder reduces the sale price, sells or offer to sell such stores and services to any person/organization including the University or any Dept. of Central Govt. or any Department of the State Government or any Statutory undertaking of the Central or state Government as the case may be at a price lower than the price chargeable under the contract, the Bidder/Firm shall forthwith notify such reduction or sale or offer of sale to the University and the price payable under the contract for the stores of such reduction of sale or offer of the sale shall stand correspondingly reduced.



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44. Risk & Expense clause
- (a) Should the fabrication of items is not carried out within the time or times specified in the contract documents, or if defective fabrication is done, the client shall after granting the Contractor/Firm one week to cure the breach, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.
  - (b) Should the fabrication or any installment thereof not perform in accordance with the specifications / parameters provided by the CONTRACTOR during the check proof tests to be done in the CUSTOMER's country, the client shall be at liberty, without prejudice to any other remedies for breach of contract, to cancel the contract wholly or to the extent of such default.
  - (c) In case of a material breach that was not remedied within 45 days, the client shall, having given the right of first refusal to the CONTRACTOR/Firm be at liberty to purchase, manufacture, or procure from any other source as he thinks fit, other stores of the same or similar description to make good:- (i) Such default. (ii) In the event of the contract being wholly determined the balance of the stores remaining to be delivered there under.
  - (d) Any excess of the purchase price, cost of manufacturer, or value of any stores procured from any other supplier as the case may be, over the contract price appropriate to such default or balance shall be recoverable from the CONTRACTOR/Firm. Such recoveries shall not exceed 10% of the value of the contract."
45. Contract Agreement: The contract agreement will be made between RGU and the successful bidder University has all the rights reserved to make alterations/addition/deletion in the conditions of this EOI and conditions of payment in the interest of the University.
46. Amendments to the Agreement: Modifications if any in this AGREEMENT must be in writing and shall be signed by both parties.
47. Time Limit for Validity of the Agreement: Unless extended by mutual consent of both the Client and the Firm/Contractor (PARTIES), the Agreement will be valid for a period of 60 days beyond the date of the liability Period after completion of the last works contract under this agreement.
48. Termination of Contract
- The University shall have the right to terminate this Contract in part or in full in any of the





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following cases:-

- i. The delivery of the material is delayed for causes not attributable to Force Majeure for more than (01 months) after the scheduled date of delivery.
- ii. The Successful Bidder is declared bankrupt or becomes insolvent.
- iii. The delivery of material is delayed due to causes of Force Majeure by more than (02 months) provided Force Majeure clause is included in contract
- iv. The University has noticed that the Successful Bidder has utilized the services of any Indian/Foreign agent in getting this contract and paid any commission to such individual/company etc.
- v. As per decision of the Arbitration Tribunal.

#### 49. Force Majeure

- i. Neither the Firm/Contractor nor the Client shall be considered as defaulting in the Performance of their obligations under this Agreement, as long as such performance is prevented or delayed, for reason, beyond the reasonable Control of the party claiming the existences of Force Majeure such as Acts of God, severe earthquake, cyclone (except monsoon), floods, lighting, land slide, fire or explosions, plague or epidemics, strikes, lockouts (lasting more than 14 consecutive calendar days), sabotage, blockade, war riots, invasion, acts of foreign enemies, hostilities (whether war be declared or not), civil war, rebellion, insurrection or military usurped power or confiscation or trade embargoes or destruction of requisition by order of any Government or any Public Authority. The party claiming the existence of Force Majeure shall within ten days or within shortest possible period without delay, as the case may be, notify the other party about the occurrence of the Force Majeure event and provide the other details of arising ceasing of the impediment. At the end of the impediment, the party claiming the existence of Force Majeure shall provide necessary documental proof of cessation.
- ii. As soon as the cause of Force Majeure has got removed, the party whose ability to perform its obligations has been affected shall notify the other of such cessation and of the actual delay incurred in such affected activity, including necessary evidence in support thereof. From the date of occurrence of a case of Force Majeure, obligations of the party affected shall be suspended during the continuance of Force Majeure Conditions and any liability so



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caused until the case itself and the inability so caused resulting there from have been removed, the agreed time of completion of the respective obligations under this contract shall stand extended by a period equal to the period of delay occasioned by such events. Should one or both the parties be prevented from fulfilling the contractual obligations by state of Force Majeure lasting continuously for a period of six months, the parties shall consult each other regarding the future implementation of the Project.

50. Liquidated Damages Clause: In case the work described is delayed beyond the stipulated period of completion, for reasons directly attributable to Firm, a sum equivalent to 0.5% (half percent) of fees for of each completed week by which the work has been delayed subject to maximum of 10% (ten percent) of the fees, shall be levied by way of liquidated damages not by way of penalty. This shall however not absolve the Firm/contractor of the responsibilities and obligations under the contract to complete the execution of work as per the completion time schedule.
51. Professional Misconduct: If any time, it is noticed that deliberate attempt has been made by the Bidder to cause over payment to the contractors by over measurement or over estimation of the rates or substandard work is accepted and recommended for payment, the amount shall be recovered from the payments due the Firm/Contractor not only from this contract but also from any other contract awarded by this Client and other means available to the Client. The matter will be viewed as a professional misconduct and strict action as per law will be taken.
52. Confidentiality: Except with the prior written consent by the Client, the Firm/Contractor and their representatives shall not at any time communicate to any person or entity any confidential information disclosed to them for the purpose of the services. The Firm/Contractor shall not publicize any information pertaining to Client which is discussed with them during course of execution of work in the interest of project completion.
53. Indemnification: The Firm/Contractor shall indemnify the Client for any loss resulting from and as a consequence of errors, omissions arising out of gross negligence on the part of the Firm/Contractor or on the part of their employees/representatives/agents and shall take necessary action to remedy the loss, such as removal of defects, deficiencies and such other action as considered necessary by the client to remedy the loss arising from such negligence.



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54. Third Party Liability: The Client shall not be liable for any injury/death, caused to any official, employee, representative or agent of the Firm/Contractor or their sub-Firm/Contractor s working at the site or damage to their properties for any reason whatsoever and Client shall not entertain any claim from any person on that behalf. It would be the responsibility of the Firm/Contractor to get their official, employees, representatives, agents or their sub-Firm/Contractor s insured against the possible risks involved in the discharge of their duties at the work site.
55. Arbitration: Any dispute arising out of this agreement shall be settled through mutual discussion and consultations among the parties. In case the parties would not come under fruitful conclusion on the disputes, the matter shall be referred to the Sole Arbitrator by either party. The Sole Arbitrator shall be the representative nominated by the Vice Chancellor of Rajiv Gandhi University, Itanagar, Arunachal Pradesh The decision of the sole arbitrator shall be final and binding upon the parties to the disputes.
56. COURT JURISDICTION: THE UNIVERSITY SHALL NOT BE BOUND TO GIVE JUSTIFICATION FOR ANY ASPECT OF THE SELECTION PROCESS AND THE DECISION OF THE UNIVERSITY SHALL BE FINAL AND BINDING ON ALL WITHOUT ANY RIGHT OF APPEAL. FURTHER, IN CASE OF ANY DISPUTE, ANY SUITE OR LEGAL PROCEEDINGS AGAINST THE UNIVERSITY, THE JURISDICTION SHALL BE RESTRICTED TO THE COURTS AT BILASPUR, CHHATTISGARH.
57. In case of any ambiguity /anything not contained in this document, reserves the right to take discretionary decision without assigning any reason thereof and it will be binding on concerned/all bidders. The University also reserves the right to cancel/reject any bid due to any reason including human error in calculation incurred during process. The shall be free to cancel the whole or part of tender without assigning any reason.

Annexure – I

### DECLARATION

1. I, \_\_\_\_\_ Son /Daughter of Shri \_\_\_\_\_ Proprietor/ Partner/ Director/ Authorized Signatory of M/s. \_\_\_\_\_ and I am competent to sign this declaration and execute this Tender document.
2. I have carefully read and understood all the terms and conditions including detail requirements for financial bid of the Tender and hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated



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document would lead to rejection of my bid at any stage besides liabilities towards prosecution under appropriate law.

5. Our firm is neither blacklisted by any Government Department nor is any Criminal Case registered against the firm or its owner or partners or directors anywhere in India.
6. I/ We have read the above mentioned Eligibility Criteria (Section A), Submission and Evaluation Criteria of Bid/Tender/ Eoi (Section B), General Terms & Conditions (Section-C), Financial bid submission, etc. of this tender very carefully and hereby agree to execute the work on the offered rates quoted by me/us in the enclosed schedule (Annexure-II & Annexure-III) and on the above terms & conditions.
7. I/We have done myself/ ourselves fully satisfied to read and examine the Notice Inviting, General Conditions & various clauses of contract, all annexure, special conditions & specifications, applicable specifications, drawings, designs, applicable schedule of rates, descriptions of items of works, all the rules in respect of contract and all other contents in the tender documents and hereby agreed for the execution of the said specified works for the University Authority within the above time period in accordance with that at the rate quoted in the following Table.

Witness Names & Signature .....	Signature of Contractor/Bidder .....
Address.....	Name.....
	Designation.....
	Phone/ Mob. No.....
	Email ID.....
Occupation.....	Firm's seal.....

**Note:-**

- a) The above declaration, duly signed and sealed by the authorized signatory of the firm/company, should be enclosed with the Tender document.
- b) Certificate as per above must be submitted only on non-judicial stamp paper of Rs.100/-

Annexure – II

## Technical Specification

<b>Department Name</b>		<b>Library</b>
<b>Room Size</b>		<b>32.5'(L) x 14.5'(W) x 13'(H)</b>
<b>Seating Capacity</b>		<b>32 Seats</b>
<b>S.No.</b>	<b>Item/ Description</b>	<b>Qty.</b>



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1	<p><b>ECO - PROOF WALL PANELLING:-</b>  <b>UP TO 3 FEET FROM FLOOR-</b> Providing and Fixing Ceramic Insulation Fiber / Glass Wool of 25 kg density to be filled between wall and 12 mm thick Ply/ MDF which will be finished with teak wood veneer with polish.  <b>ABOVE 3 FEET-</b> Providing &amp; fixing of 50mm wooden wall paneling fabricated from wood section of 50mm X 37.5mm @ 2'0" cc, made up of 6mm commercial ply/MDF which is duly filled with eco-friendly material (sound proof), duly finished with polish/ paint. Sound proof ecofriendly system consists of 50mm filler with 25mm insulation fiber/glass wool padding which is finally covered with proper air gapping as per eco-sound arrangement.</p>	<p><b>1100 Sq. Ft. (Approx.)</b></p>
2	<p><b>FALSE CEILING:-</b>  <b>GYPNUM CEILING-</b> Providing and Fixing of Perforated Grid Ceiling (600x600x20) which shall also be acoustically treated with 25 mm thick layer of Insulation Fiber/ Glass wool of 32 kg density in a Grid of 2'x2' which will be further finished with the paint after jointing and taping</p>	<p><b>470 Sq. Ft. (Approx.)</b></p>
3	<p><b>FLOORING:-</b>  <b>CARPET-</b> Providing &amp; layering of carpet of Leg strong/ Unitex/ Royal/Armstrong or equivalent 3mm thick in the form of 2'x2' grid tiles as per approved color and skirting on all sides.</p>	<p><b>470 Sq. Ft. (Approx.)</b></p>
4	<p><b>PAINT &amp; POLISH:-</b>          Providing &amp; applying on all exposed surface of ceiling, etc., Plastic Emulsion Paint of 'Asian Paints', 'Nerolac' or equivalent make as per the manufacture's specification with a brush &amp; roller,. After leveling the surface to a smooth finish with the help of putties, etc., and having a base coat of approved primer before applying three coats of paint. Painting of wall with minimum of 3 coats of plastic emulsion paint of approved shade and make of the wall, Columns, Beams, Plywood or Gypboard including all necessary surfaces preparation. The wall shall be cleaned, filled with putty &amp; applied with one coat of primer so as to achieve an even surface to apply paints.</p>	<p><b>1500 Sq. Ft. (Approx.)</b></p>
5	<p><b>WINDOW GLASS PANELLING:-</b>          Providing &amp; fixing window of 50 x 37.5mm/ 37.5 x 25mm aluminum section (<b>aluminum channel with Powder coating</b>) sliding fixtures with 8mm glass with sliding windows.</p>	<p><b>As per Room Requirement, Site Survey and Design Approval</b></p>
6	<p><b>ROOM DOORS:-</b>Providing and fixing of 35 mm thick Single leaf Door of size 2100 x 1050 with vision panel and the door hardware including door closer, handle, lock and a door stopper.</p>	<p><b>2 Doors Area- 50 Sq. Ft. (Approx.)</b></p>
7	<p><b>CURTAINS:-</b>  <b>BLENDS-</b> Fabric Blend with varied design and as per room layout.</p>	<p><b>As per Room Requirement, Site Survey and Design Approval</b></p>
8	<p><b>ELECTRICAL WORK:-</b>          Repairing, testing and replacement work of room with new material, which includes complete wiring work/Mcb/ DB replacing power functions, main supply box, copper wire and power cables for AC's, main junction box, etc.</p>	<p><b>As per Room Requirement, Site Survey and Design Approval</b></p>
9	<p><b>LIGHTS:-</b>  <b>a) CONCEAL-</b> LED light source ensures durable performance. Good colour rendering index performance, CRI 80 LED light source reveals the colours of objects faithfully in comparison with an ideal or natural light source.</p>	<p><b>10 pcs.</b></p>



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	<p><b>b) SURFACE-</b> LED panel light in White colour (2x2). The panel light is made from Die Cast Aluminum with Powder Coated White finish. Power consumption for the light is 6 watt, and voltage specification is 230 V AC, while the luminous intensity is 105 lm per watt, saving light and electricity. It has Anti-Glare Diffuser, &amp; LED Chip: SMD 2835. The light can be fixed into Recessed, POP, or False ceiling. Beam Angle: 120 Degree Body Color: White Color Temperature: 6000-6500K CRI: Ra 75 LED Chip: San An Lifetime: 50,000hrs. Light Color: Cool White Light Source: 75 pcs SMD 2835 Luminous Flux: 1350Lm Material: Aluminium.</p>	<b>12 pcs.</b>
<b>10</b>	<b>Wall Fans:-</b>	<b>6 pcs.</b>
<b>11</b>	<p><b>AIR CONDITIONER:-</b>          Providing and Fixing of Split AC with Installation</p> <ul style="list-style-type: none"> <li>• Feature Support Energy Rating 5 Star</li> <li>• Feature Support 1.5 Ton Capacity</li> <li>• Feature Support 5 Star Rating</li> <li>• Feature Support Auto Restart</li> <li>• Feature Support Front Panel Display</li> <li>• Feature Support Rotary Compressor with Copper Fins</li> <li>• Installation Complete installation with Copper Pipes, Cables etc.</li> </ul>	<b>3 pcs.</b>
<b>12</b>	<p><b>UPS SYSTEM:-</b>          Provisioning and Fixing of UPS of Luminous/ Eaton or equivalent of 2KVA with minimum 15 minutes backup.</p>	<b>1 pc.</b>
<b>13</b>	<p><b>Digital Podium:-</b>  <b>1. Type/Mounting-</b> Free Standing</p> <p><b>2. Construction-</b> "The Podium shall be wheel mounted capable of moving in all directions with a facility of lock them while the Electronic podium is in use. The enclosure shall be made of Polymer Powder Coated Steel Body with wooden top panels, designed to work in suitable environmental conditions. The wooden top shall have lock and key and should have a sliding cover for opening/closing easily. The Podium should have housing and connectivity for Visual Presenter while the visualiser is in use and not in use. At the time of using the Visualiser, drawer can be opened and Visualiser can be used. The construction of the podium should be such that, while the podium is locked and not in use, there should not be any port exposed/ visible on the outer body for breakage/mishandling."</p>	<b>1pc.</b>



**3. Display-** Built-in highly sensitive Interactive Panel with adjustable Motorized tilt & a mechanism to make the Panel stable so that it does not shake while writing with following minimum features-

- (a) **Screen Type-** LED
- (b) **Size-** 53.0 cm (21 inches) or higher
- (c) **Resolution-** 1920 x 1080 or higher
- (d) **Aspect ratio-** 16:9/16:10
- (e) **Computer interface-** One USB, One VGA/DVI/HDMI Port
- (f) **Interactive Resolution-** 4000 Lpi (lines per inch)
- (g) **Response Time-** 5ms
- (h) **Viewing Angles-** 170(H) ; 160(V)
- (i) **Touch-** Finger and Stylus
- (j) **Reading accuracy-**  $\pm 0.5$  mm (center)
- (k) **Tracking speed-** Approximately 200 points per second
- (l) **Pen Pressure sensitivity-** 2048 Levels
- (m) **Speakers-** Display panel should have Inbuilt Speaker
- (n) **Annotation software-** Annotation software shall include minimum features like choose, pens, annotate, erase, color, shapes, sizes, text, Edit, fonts, stamp, move, capture, picture, video, save, Rotate, undo, image gallery, print, floating keyboard and Background etc.. The software should have network classroom feature to conduct remote teaching by having interaction through all the three types of media Audio, Video and Text.

#### 4. System Details

- (a) **Processor-** Intel Core i3 (8th Gen processor) with minimum 3.0 Ghz Base frequency
- (b) **Small Form Factor-** Computer should be of 2 liters Volume or less
- (c) **In-Built Wi-Fi /Wireless LAN Card-** Should have a inbuilt Wi-Fi / Wireless LAN Card
- (d) **RAM-** 4 GB
- (e) **Hard Disk-** 1 TB or better
- (f) **Ports (Min.)-** HDMI x 1, DP(Display Port) x 2, USB ports x 6, LAN Port x 1
- (g) **Keyboard & Mouse-** Wireless
- (h) **Operating System-** Windows 10
- (i) **Antivirus-** Norton Anti-Virus/MacAfee or equivalent with 1 year license

**5. Controller**(a) **Ports on front Panel of Controller (Minimum)-** VGA, HDMI, USB3.0x2, Audio IN or more(b) **Buttons on front Panel of Controller (Minimum)-** Push buttons to control Volume Up& Down,Volume Mute and to switch sources of HDMI Visual Presenter, VGA Visual Presenter, HDMI Laptop, PC HDMI, VGA Laptop, VGA PC and Power On/Off or more(c) **Ports on Rear Panel of Controller (Minimum)-** USB 3.0 X 2, VGA Input x 2, VGA Output x 2, RCA Audio IN X 1, RCA Audio Output x 2, HDMI Inputx2, HDMI Outputx2 or more(d) **Power-** 5 V DC (Suitable Adaptor should be supplied with controller)



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	<p><b>6. Built in devices</b></p> <p><b>(a) Gooseneck Microphone-</b> Gooseneck Microphone with XLR output.It should be Phantom powered so that there is no requirement of batteries thereby eliminating consumable cost.The gooseneck length should be atleast 21.5cm with ON/OFF switch and with LED light indicating ON/OFF status.The gooseneck microphone shall be permanently polarised condensor,highly directional featuring hypercardioid /lobar directivity.</p> <p><b>(b) Built in Amplifier Power-</b> 200 Watts minimum</p> <p><b>(c) Speakers-</b> Four speakers of Minimum 50 W each shall be a part of standard supply.</p> <p><b>(d) Wireless Microphone Units-</b> One Handheld and one Lapel Mic should be supplied.</p> <p><b>7. Sliding Trays-</b> Provision for keeping laptop and Keyboard &amp; Mouse</p> <p><b>8. Power Supply-</b> 180 -240V, 50Hz, AC Supply</p> <p><b>9. Security-</b> Integrated authentication System having RFID, Password protection &amp; Physical Key for secure access to system.</p> <p><b>10. Fans-</b> Suitable cooling fans to be provided in the lower body.</p> <p><b>11. Logo-</b> Should be provided with Acrylic logo</p>	
14	<p><b>INTERACTIVE FLAT PANEL DISPLAY (4K):-</b></p> <p><b>1. Technology-</b> DLED Backlight (IPS)</p> <p><b>2. Display size (Diagonal)-</b> 75 inches or higher</p> <p><b>3. Aspect Ratio-</b> 16:9 or better</p> <p><b>4. Resolution-</b> 3840 X 2160 or higher</p> <p><b>5. Contrast Ratio-</b> 5000:1 or higher</p> <p><b>6. Brightness-</b> 600 cd/m2 or higher</p> <p><b>7. Display colour-</b> 8 bit-16 million colours or better</p> <p><b>8. Input Ports (Minimum)-</b> HDMI x 3, RGB/VGA x 1, Audio x 1, CVBS (AV) x 1, PC slot x 1, RS232x1</p> <p><b>9. Output Ports (Minimum)-</b> HDMI x 1, Audio(Earphone out) x 1, Coax x 1, SPDIF x1, RS232 x1</p> <p><b>10. USB Ports (Minimum)-</b> USB 2.0 Type A x 4, USB 3.0 Type A x 2, USB 2.0 Type B for Touch x 2</p> <p><b>11. Camera Port Dedicated-</b> USB Based Camera Port</p> <p><b>12. Camera Plate-</b> Camera Plate on top for screw-in web cam installation</p> <p><b>13. Communication port-</b> RJ45 x 1 Giga LAN Port</p> <p><b>14. Built In Speakers-</b> 2.1 Stereo Sound with in-built 20 Watt x 2 speakers and 15 Watt x 1 Sub-Woofer or better</p> <p><b>15. Viewing Angle-</b> Horizontal 178 degrees, Vertical 178 degrees or better</p> <p><b>16. Touch Technology-</b> IR Recognition or better</p> <p><b>17. Touch Resolution-</b> 32767 x 32767 or better</p> <p><b>18. Touch Points-</b> 20 Points or Higher</p> <p><b>19. Writing Points-</b> 10 Points with automatically detect pen diameter (8mm &amp; 2mm) and write simentaneously with different colours and thicknesses.</p> <p><b>20. Pen Recognition-</b> Dual Pen recognition with 2mm tipped pens at real time lag free response rate.</p> <p><b>21. Split Screen-</b> 4 Way Split Screen content sharing software</p>	1 pc.





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<b>22. Touch on/Off-</b> Should have touch on/off functionality
<b>23. Touch Response Time-</b> 15 ms or better
<b>24. OS Support/Embedded Player-</b> Windows 10/ Windows 8/ Windows 7/Linux/Mac/Android Embedded Player CPU Inbuilt.
<b>25. Stylus/Pen Holder-</b> Frame/Structure of IFPD should have inbuilt magnetic mechanism to hold up to two numbers of Stylus/Pen
<b>26. Networking-</b> DHCP (Auto identification) and Static IP supported
<b>27. Hardness, Anti Scratch, Anti-Glare Minimum-</b> 7 H hardness, scratch resistant, anti-glare, anti-crack resistant
<b>28. Software Features-</b> Normal Pen, Smart Brush, Tool Pen, Writing Pen, Highlighter, Emphasize Pen, Brush pen, Bamboo Pen, Pen, Pencil and Texture, Different sizes available with Region eraser, Shapes, Stamp, Text, Generic consist of (shapes, Arrows, National Map, National Flag), Education Consist of Physics, chemistry, Biology, Geography, sports, arts and lab apparatus subjects, Search Light, Screen Curtain, Magic layer, turn table, explorer, screenshot, magnifier, calculator, soft keyboard, Timer, Geometry Tools, Screen recording, webcam, Screen Lock, Education practical's feels like original (Maths, Physics, chemistry, Geography). Desktop Annotation, White board, Green Board, Black Board, Different types of exercise books, Customization board. Cloud storage, Cloud Download, Select & Remove blank Pages. Multiple numbers of images available like maps, agricultural, animals and many more. Can Import & Export documents/ contents. Annotation of on video, PPT, PDF. Annotate on PC/ Laptop with the help of smart phone, Software Features, Artificial Intelligence Pen, Embedded Chrome Browser, YouTube Drag & Drop, Compatible with iwb, enb, txt, pdf, ppt, doc, mp3, mp4 formats, Inbuilt Animation libraries, Follow me AI, Complete Ecosystem on mobile, web & PC, Google for Education partner, Casting in & Casting out from Remote locations via browser, Android & iOS Apps
<b>29. Save Option-</b> Should have option to save directly to Google Drive and One Drive
<b>30. Screen-</b> Mirroring, Wireless content sharing Data from Mini PC should be shared wirelessly on multiple Phones/Tablets without any other hardware requirement. IFPD should allow user to share/mirror the content of Laptop/Desktop (Mac, Windows) and mobile device (ios, Android) wirelessly, Wireless presentation should allow user to access their Laptop/Desktop through IFPD
<b>31. Quiz-</b> Should have in built tool to allow participants to submit answers from their Smart Phones (Answering/ Voting/ Messaging)
<b>32. Zoom Video Conferencing-</b> Should have in built Zoom Video Conferencing app as an integral part of IFPD
<b>33. QR Code Scan-</b> Should have file download feature in smart phone just by scanning the QR code
<b>34. Video Conferencing Interface-</b> Should support USB based PTZ cameras allowing Software based Video Conferencing
<b>35. HDMI Out Mirroring (Extended Display)-</b> Mirroring Capabilities deliver group discussion and spatial arrangement flexibility by allowing content to be mirrored on to two IFPD's simultaneously.



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	<p><b>In Built Android Hardware:-</b></p> <p><b>1. CPU-</b> ARM Dual Core Cortex A73 1.2 GHz or Higher</p> <p><b>2. Memory-</b> 2 GB or Higher Storage</p> <p><b>3. Storage-</b> 16 GB eMMC or Higher</p> <p><b>4. Android Version-</b> 7 or higher</p> <p><b>5. Accessories-</b> AC Power cord, User Manual, Remote control, USB interface cable, Two Stylus, Wall mount bracket</p> <p><b>41. Power supply requirement-</b> 230V AC +/- 10%, 50 Hz</p> <p><b>42. Max Power consumption-</b> Maximum 140 Watts</p>	
<p><b>15</b></p>	<p><b>VISUALIZER:-</b></p> <p><b>1. Total Pixels Min.-</b> 5 Mega Pixel</p> <p><b>2. Zoom Minimum-</b> 12x Optical Zoom, 15x Digital Zoom</p> <p><b>3. Frame Rate Min.-</b> 30 FPS</p> <p><b>4. Shooting Area-</b> Minimum A4 Size</p> <p><b>5. Focus-</b> Auto/Manual</p> <p><b>6. Resolution-</b> It should have 950 TV Lines or more. It should have native resolution of 1920 x 1080 Full HD</p> <p><b>7. Signal Support-</b> It should support the following resolutions 1024x768; 1280x1024;upto 1920x1080</p> <p><b>8. White Balance-</b> It should have option of Auto/ Manual White Balance.</p> <p><b>9. Multimedia Function-</b> It should have the following Functions: Color/Black-White, Mirror, Rotate, Brightness Control, Freeze, PIP, Preview.</p> <p><b>10. Input ports-</b> It should have Atleast 1VGA-IN, 1 HDMI-IN, Audio-IN</p> <p><b>11. Output ports-</b> It should have 1VGA-OUT, 1 HDMI-OUT, Audio-OUT</p> <p><b>12. Other Ports/Connectivity-</b> It should have USB Port x1 Remote Control Required</p>	<p><b>1 pc.</b></p>
<p><b>16</b></p>	<p><b>TECHNICAL SPECIFICATION OF FULL HD VIDEO CONFERENCING 1+3 END POINT:-</b></p> <p><b>Video Specifications and Features (1+3)</b> a) <b>Optical Zoom-</b> 20X or higher b) <b>Type of Camera-</b> PTZ (CMOS Sensor) c) <b>Video Conferencing System Resolution-</b> 1080p 30fps or better d) <b>Focus Arrangement-</b> Manual/Automatic e) <b>Brightness Adjustment-</b> Manual/Automatic f) <b>White Balance-</b> Manual/Automatic g) <b>Content Video Resolution-</b> Input: VGA (640x480), SVGA (800x600), XGA(1024x768), WXGA(1280x768), WXGA(1280x800), 1280x960, SXGA(1280x1024), 1360x768, 1366x768, 1440x900, XGA+(1400x1050), 1600x900, 1600x1200, 1680x1050, 1080p(1920x1080) Coding/Decoding Resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080 Output: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080" h) <b>Built-in-HD Camera-</b> Input: 1080P Sensor: 2.07 million effective pixels, 1/2.7 inch CMOS Maximum horizontal viewing angle: 72.5 degrees PTZ: horizontal +/-170 degrees, vertical -30~+90 degrees Supports auto white balance, auto exposure, auto focus Support remote camera control Support mirror/flip" i) <b>Camera positioning system-</b> 10 Presets j) <b>Other Video Features-</b> PiP (Picture in Picture), PoP (Picture outside Picture)</p>	<p><b>1 pc.</b></p>



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<p><b>Standards and Protocols</b></p> <p><b>a) Video Standards and Protocols-</b> H.264, H.261, H.263, H.263+, H.263++</p> <p><b>b) Audio Standards and Protocols-</b> G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.723.1, G.726, SILK</p> <p><b>c) Dual Stream-</b> ITU-T H.239, BFCP</p> <p><b>d) Other Standards-</b> H.221, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF</p> <p><b>e) Network Standards and Protocols-</b> TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP</p>	
<p><b>Audio Specifications and Features</b></p> <p><b>Audio Features-</b></p> <ol style="list-style-type: none"><li>1. AEC (Acoustic Echo Cancellation)</li><li>2. AGC (Automatic Gain Control)</li><li>3. ANS (Acoustic Noise Suppression)</li><li>4. Lip synchronization</li></ol>	
<p><b>Security and Stability</b></p> <p><b>a) Network-</b> FEC (Forward Error Correction), ARQ (Automatic Repeat-reQuest) etc.</p> <p><b>b) Security-</b> H.235 (AES) Signal and media stream encryption Administrator password, SSH/HTTPS</p> <p><b>c) Firewall Traversal-</b> H.460.18/19, H.460.23/24, ICE</p> <p><b>d) Bandwidth IP-</b> 64kbps ~ 8Mbps</p>	
<p><b>Interface a) Audio Input-</b> 3.5mm line-in jack, 3.5mm mic-in jack <b>b) Audio Output-</b> 3.5mm line-out jack, HDMI audio output <b>c) Video Input-</b> HDMI x 1, Built-in Camerad) <b>Video Output-</b> HDMI x 2 <b>e) Communication Interface-</b> Rs232 In x 1: 3pin Phoenix Jack <b>f) USB Interface-</b> USB2.0 x 2 Host (support USB flash disk, USB microphone etc.) <b>g) Ethernet Port-</b> RJ45 x 1 <b>h) Approval and Compliance-</b> 1000 local address bookLDAP/Network address book, H.350"</p>	



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	<p><b>Applications</b></p> <p><b>a) Streaming and Recording-</b> Should support Streaming and USB Based Recording</p> <p><b>b) Secure Connection-</b> Should supports AES-256 Encryption</p> <p><b>c) Dual Codec-</b> Should supports Dual Codec 1080p @ 30 fps</p> <p><b>d) Wireless Connectivity-</b> Should support Wireless Connectivity using Wifi</p> <p><b>e) Multi Device compatibility-</b> Should support Multi device i.e. Laptop, Tab, Mobile</p> <p><b>f) Simultaneous Connection-</b> Should connect 1+3 Endpoints simultaneously</p> <p><b>g) Additional Requirements</b></p> <ol style="list-style-type: none"> <li>1. Audio associated with presentation</li> <li>2. Should Support Timing power on and power off</li> <li>3. Should Support Automatic standby and wake up on incoming call</li> <li>4. Should Support Remote Control: H.224, H.281</li> <li>5. Should Support web-based conference management</li> <li>6. Should Support USB microphone</li> <li>7. Should Support Wifi</li> <li>8. Should Support Built-in MCU</li> <li>9. Should Support Automatic to get static NAT address</li> <li>10. Should Support Network address book</li> <li>11. Should Support DNS SRV</li> <li>12. Should Support SDK API</li> <li>13. Should Support Built-in VPN</li> <li>14. Should Support PIP: 1/16 picture size, optional position</li> <li>15. Split output: Bi-screen display</li> <li>16. Should Support Incoming call password</li> <li>17. Should Support Asymmetric bandwidth</li> </ol>	
	<p><b>Physical Characteristics</b></p> <p><b>a) Electrical-</b> Working voltage: AC 100V ~ 240V, DC 12V, Working frequency: 50/60Hz, Power consumption: 18W Max</p> <p><b>b) Environmental Specification-</b> Operating temperature: -10 degree C to 40 degree C, Operating humidity: 10% to 80%, Non-Operating temperature: -40 degree to -70 degree C, Non-Operating humidity (non-condensing): 0% to 95%</p>	
<p>17</p>	<p><b>FURNITURE:-</b></p> <p><b>A). EXECUTIVE REVOLVING CHAIR:</b> - Providing and supplying high back chair with ergonomic design, comfortable &amp; aesthetically appealing. The seat shall be made of double layers (12+6) mm thick hot pressed plywood upholstered with HR polyurethane foam 50mm thick having density 40kg/m<sup>3</sup> with leatherite tapestry 0.8mm thick and 535 GSM and the back shall be made of double layered moulded hot pressed plywood (12+6) mm thick upholstered with HR polyurethane foam 40mm thick having density 32kg/m<sup>3</sup> with leatherite tapestry 0.8mm thick and 535 GSM. The backrest of the chair shall be made by keeping the natural curvature of the spine with lumbar support. The armrest shall be used polyprethane arm completely joint with seat and back. For seating durability the chair shall have swivel tilt 360 degree revolving mechanism with upright position locking and tilt tension adjustment. The pneumatic seat height adjustment for healthy seating user can adjust seat height up to 100mm with BIFMA standard class-3 gas-lift to suite tham using the lever under the seat. The gas-lift mechanism should be tested as per ANSI/BIFMA X5.1-2011 standard. The pedestal should have five legged injection moulded in 30% glass filled black nylon having pitch circle Dia. 700 mm fitted with 5 nos. twin wheel castors.</p>	<p>20 pcs.</p>



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<p><b>B). EXECUTIVE VISITOR CHAIR:-</b> Providing and supplying visitor chair with ergonomic design for user comfort. The seat and back shall be made of double layered (12+6)mm thick hot pressed plywood upholstered with high resilience polyurethane foam 50mm thick having density 40kg/m<sup>3</sup> in seat and 40mm thick having density 32kg/m<sup>3</sup> in back. The same shall be upholstered with leatherite tapestry 0.8mm thick and 535 GSM. The backrest shall be made by keeping the natural curvature of the spine and the armrest shall be used polyurethane arm completely joint with seat and back. The understructure shall consist of cantilever frame made up of MS/CRCA powder coated with 40-50<math>\mu</math> (DFT) round pipe of Dia. 31.75mm with 2mm thick and two strip at base of MS/CRCA chrome plated round pipe of Dia. 15mm with 1.6mm thick. There shall be co-polymer polypropylene shoe provided at the base to avoid scratches on the floor. The seat size shall be 515<math>\pm</math>10 mm(W) X 495<math>\pm</math>10 mm(D) and back size shall be 500<math>\pm</math>10 mm(H) from seat &amp; overall height = 940<math>\pm</math>10 mm.</p>	<p><b>12 pcs.</b></p>
<p><b>B). EXECUTIVE TABLE:-</b> Supplying &amp; placing executive table in completely knock down conditions with an overall size 1500mm X 750mm X 750mm that is to be assembled at site. The worktop shall be made up of 25mm thick pre-laminated particle board of grade II of IS 12823 with approved laminate and finish as per approved shade. The table top profile shall be in rectangle shape and the edges shall be sealed with 2mm thick thin strip of impermeable PVC that is cut to fit the size of board panel and duly pasted with the assistance of edge banding machine at 200 degree Celsius. The top shall be supported on MS/CRCA rectangle pipe having cross-section area 40mm X 20mm with 1.6mm thick. A pullout keyboard tray shall be provided of 18mm thick Pre-laminated particle board having size 550mm X 280mm. The tray shall be operated on keyboard channel. The table shall be clad with modesty panel which provide structural support for the table. It should be 1mm thick CRCA star perforated sheet connected with both end. The table understructure shall consist of C frame MS/CRCA leg having cross-sectional area 60mm X 30mm. There shall be co-polymer polypropylene shoe provided at the base to avoid scratches on the floor. A mobile pedestal shall be provided with an overall size 400mm X 450mm X 660mm. The pedestal shall be made up of Pre-laminated particle board of grade II of IS 12823. Pedestal side, back, top, fascia shall be 18mm thick and drawer base 9mm thick. The pedestal shall have 3 nos. of drawer i.e. 2 box drawer and 1 filing drawer.</p>	<p><b>1 pc.</b></p>
<p><b>C). STEEL ALMIRAH:-</b> Providing, supplying and placing steel almirah. The overall size of the Almirah shall be 915mm (W) X 485mm (D) X 1980mm (H). The Almirah shall be supplied with 2 nos. of glass doors with 4 nos. of adjustable shelves i.e. 5 loading compartments. The glass used shall be 4mm thick clear. The shelves shall have folded constructions which have intrinsic rigidity and high load carrying capacity. Uniformly distributed load capacity of each shelf shall be 40 Kg maximum. Each rack shall be provided with stiffener at bottom for strength. The entire body panel, shelf shall be made of high yield strength 0.8mm thick and door 1mm thick CRCA sheet of grade 'D' conforming to IS: 513. The complete steel structure shall be constructed by welding and provide finishing with epoxy polyester powder coated to the thickness 50-60<math>\mu</math> thick</p>	<p><b>1 pc.</b></p>



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**D). CONFERENCE TABLE:-** Supplying & Placing Conference table in completely knock down conditions with an overall size 5400mm X 1500mm X 750mm that is to be assembled at site. The construction of the main table shall be free standing structure constructed with the help of mini fix, dowels, pins and brackets. The worktop shall have the combination of PLPB board and MDF board. The main top should be made up of back to back 18mm thick Pre-laminated particle board of grade II of IS 12823 with approved laminate and the base top shall be made up of 25mm thick Medium density fiber-board with deco matt finish. The table top profile shall be boat like shape with round corners. The edges shall be sealed with 2mm thick thin strip of impermeable PVC that is cut to fit the size of board panel and duly pasted with the assistance of edge banding machine at 200 degree Celsius and the base top shall be with half round post form with grooves. The table shall be supported on particle board base gable end. The end wall of the table on the side and mid shall be topped by gable end. It should be made up of 36mm thick Pre-laminated particle board and profile shall be in linear shape with appropriate PVC edge banding. The table shall be clad with 18mm thick modesty panel which provide structural support for the table. It should be 18mm thick Pre-laminated particle board with appropriate PVC edge banding connected with both end. There shall be buffers provided at the base to avoid scratches on the floor. The table connections have to be made in such a way that no gap should be seen in between. The manufacturer shall have quality and safety assurance like ISO-9001:2015, ISO-14001:2015 and ISO-18001:2007.

**1 pc.**



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## Financial Bid Performa

**(It should be submitted in a separate sealed envelope)**

**Tender Notice No.** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Subject:** Design, Supply and Commissioning of Multi-Purpose Rooms at Rajiv Gandhi University:-

The scope of work includes interior work like False Ceiling, Eco Proof wall paneling, elevated wooden stage and carpet/ wooden flooring, Lighting, Provision and Installation of Air-Conditioning, Smart Classrooms Equipment's, Modular Furniture-with complete electrical work of the room including wires, switchboards, MCB's, DB Box, Main supply, Power cables etc.

**Name of the Bidder:** \_\_\_\_\_

S.No.	Description of Work	Quantity	Basic Rate (In Rupees)	GST as Levied (In Rupees)	Total Amount (In Rupees & In Figures)
1	<b>Design, Supply and Commissioning of Multi-Purpose Room at Rajiv Gandhi University:-</b> The scope of work includes interior work like False Ceiling, Eco Proof wall paneling, elevated wooden stage and carpet/ wooden flooring, Lighting, Provision and Installation of Air-Conditioning, Multi-Purpose Room Equipment's, Modular Furniture-with complete electrical work of the room including wires, switchboards, MCB's, DB Box , Main supply, Power cables etc.	1 Job			
2	Annual Maintenance cost rate from start of 2nd Year to end of 2nd year. The start of 2nd year shall be reckoned after completion of first year successful guarantee/ warrantee period.				
3	Annual Maintenance cost rate from start of 3rd Year to end of 3rd year. The start of 2nd year shall be reckoned after completion of second year successful AMC period				

### Note:-

1. No overwriting or use of whitener is permitted. If done then it will be summarily rejected.
2. The L-1 shall be decided on the gross value including cost of AMC quoted by the bidder.
3. Total Amount is inclusive of all taxes levied.

**Date:**

**Signature** \_\_\_\_\_

**Name** \_\_\_\_\_

**Designation & Seal** \_\_\_\_\_