



CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara,

Post- Fatehpur, P.S- Tekari,

District- Gaya (Bihar) PIN- 824 236

Notice Inviting Tender (NIT)

The Central University of South Bihar invites sealed tenders for **Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO** at CUSB Panchanpur, Gaya from original manufactures/ authorized dealers/ distributors. The last date and time of submission of tender document is **22/04/2019 by 4:00 PM**. The detailed tender document is available on the University website **www.cusb.ac.in**. The cost of tender form is Rs. 500/- and can be purchased by payment in the form of Demand Draft, from Central University of South Bihar. The tender form can also be downloaded from University website and be accompanied by DD of Rs. 1000/- in favour of 'Central University of South Bihar', payable at Gaya. Duly filled in tender is to be sent by Speed Post/ Registered Post/ By Hand (to be dropped in Tender Box) on following Address: -

To

The Registrar

(Tender Document)

CENTRAL UNIVERSITY OF SOUTH BIHAR

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Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

Email – registrar@cub.ac.in, Website – cusb.ac.in

Index for Tender Form

Sl. No.	Items	:	Details
1.	Tender Notice No.	:	CUSB/PSD/MOOCs/TENDER/01/2019-20, Dated: 01/04/2019.
2.	Name of work	:	Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO at CUSB Panchanpur, Gaya
3.	Tender Fee	:	Rs.1,000/- in form of Demand Draft
4.	Earnest Money Deposit	:	Earnest money of Rs. 6,00,000/- in shape of Demand Draft drawn in favour of Central University of South Bihar, payable at Gaya from any scheduled Bank as per Annexure-I .

Bidders are requested to read the complete Tender documents and visit the site to understand its locality, terrain, surrounding conditions etc. before submission of Bids. Queries related to Tender may be sent at (registrar@cub.ac.in), (so1@cub.ac.in). For further information visit University Website – (www.cusb.ac.in)

5.	Start of submission of Bids	:	01/04/2019
6.	Last date and time for Receipt of Bids	:	22/04/2019 by 4:00 PM
7.	Date and Time of opening of Technical Bids	:	Shall be intimated later on University website.
8.	Place of opening of Bids	:	CUSB Gaya.

Documents to be kept in Envelopes

Envelope	Particulars
A	EMD and Tender Cost in form of DD along with Undertaking
B	Notice Inviting Bids, General Conditions of Purchase, Technical Bid, Technical Specifications, Diagrams, Declaration and Affidavit along with All Requisite Certified Documents
C	Financial Bid Proforma

Bidders are requested to read the complete Tender documents and visit the site to understand its locality, terrain, surrounding conditions etc. before submission of Bids. Queries related to Tender may be sent at (registrar@cub.ac.in), (so1@cub.ac.in). For further information visit University Website – (www.cusb.ac.in)



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Post- Fatehpur, P.S- Tekari,

District- Gaya (Bihar) PIN- 824 236

Name of the work: Tender Bid Document for the **Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO** at Central University of South Bihar, Gaya (Bihar).

Sold to Sri/Smt./M/s.

On payment of Rs. 1,000/- (Rupees One Thousand only)

Vide D.D. No. Bank & Branch dt.....

Registrar

I undertake to abide by the terms and conditions as stipulated in the detail tender call notice and conditions of contract.

Signature of the contractor

For Office Use only

- | | | |
|---|---|--------------------------|
| 1. Total Nos. Corrections | : | |
| 2. Total Nos. of Overwriting | : | |
| 3. Total Nos. of Pages | : | |
| 4. Earnest Money Deposit in shape of DD | : | |
| 5. Copy of S.T.C.C | : | Furnished/Not Furnished |
| 6. Copy of I.T.C.C./PAN | : | Furnished/ Not Furnished |
| 7. Any other enclosure | : | |

Registrar
Central University of South Bihar



CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara,

Post- Fatehpur, P.S- Tekari,

District- Gaya (Bihar) PIN- 824 236

Annexure-I

Tender Cost & EMD

(To be kept in Envelope-‘A’)

Tender Cost of Rs. 1,000/- (Rs. One thousand only) and Earnest money Deposit of Rs. 6,00,000/- (Rs. Six Lakhs only) in shape of Demand Draft drawn in favour of Central University of South Bihar, payable at Gaya from any scheduled Bank for the work of **Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO** at Central University of South Bihar, Gaya (Bihar).

UNDERTAKING
[by Tenderer(s)]
(To be kept in 'Envelope – A')

Name of the work : _____

Tender No. : _____

We confirm that we have quoted the rates in the tender considering Inter-alia the

1. Tender Document(s) with all Annexures, Scope of Vendor
2. Additional Document(s), if any
3. BOQ Document (Price Bid Format)
4. Corrigendum, if any
5. Pre Bid Meeting Minutes, if any

Signed for and on behalf of
Tenderer(s)

Name of Tenderer(s)

Date : __/__/____

Place :

Seal & Signature of Tenderer

Note: -

This declaration should be signed by the Tenderer's authorized representative on COMPANY LETTERHEAD who is signing the Bid and to be submitted with tender.



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NOTICE INVITING BIDS

(Duly signed/Sealed copy to be kept in **Envelope – ‘B’**)

The Central University of South Bihar (CUSB), invites sealed tender in two bid system for the **Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO** at Central University of South Bihar, Gaya (Bihar) from the original manufactures/authorized dealers/ distributors.

Details are as follows:

Sl. No	Description of Goods	Estimated Cost (Rs.)	Earnest Money to be Deposited	Last date & time of submission of Tender document	Time & date of opening of Tender	Time allowed for completion of delivery
1.	Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO at Central University of South Bihar, Gaya.	1.80 Crores (Inclusive of CAPEX+ OPEX)	6.0 Lakhs	22/04/2019 by 4:00 PM	Shall be intimated on University website.	75 days after issue of P.O.

2. The tender must be accompanied by a Demand Draft for the amount mentioned in '**Annexure – I**' in Indian Rupees only (alongwith list of quoted items with EMD details), on a schedule bank drawn in favour of Central University of South Bihar, payable at Gaya as Earnest Money for the above tender.

3. Eligibility Criteria (details to be submitted in Annexure - II)

3.a. The Bidder should have done similar work of studio setup in any Government Organization/ PSU's/ State/ Central University in past 3 years. (Copy of purchase order along with Completion Certificate/ satisfactory report from Client duly attested

Bidders are requested to read the complete Tender documents and visit the site to understand its locality, terrain, surrounding conditions etc. before submission of Bids. Queries related to Tender may be sent at (registrar@cub.ac.in), (so1@cub.ac.in). For further information visit University Website – (www.cusb.ac.in)

by bidder should be enclosed along with the Technical Bid).

- 3.b.** The bidder should have at least an annual turnover of Rs.1.00 Crore for each of the last three financial years. A certificate from Chartered Accountant must be enclosed in support of the statement.
- 3.c.** The bidder should be a single Company/ Firm. No consortium is allowed. Relevant document in the support of this statement must be enclosed.
- 3.d.** Copies of the audited balance sheet of the vendor/bidder for the last three financial years, details of Permanent Account Number and ITR (Income Tax Return) for last 3 financial years must be attached by the Bidder.
- 3.e.** The Bidder must submit the authorization Certificate of the main Studio Equipments from the Original Equipment Manufacturer (OEM) that should be issued after the release date of this EoI.
- 3.f.** G.S.T Registration Certificate, Bank mandate of the Company certified by bank & Proof for the firm at least 5 years old (Enclose the copy of Registration Certificate) must be submitted by the bidder.
- 3.g.** The bidder must enclose a notarized certificate that the Organization has not been black listed by any institution of the Central/ State / PSU/ University/ Institute etc. in the past three years.
- 4.** Sealed tender documents duly signed on all pages are required to be delivered at Central University of South Bihar, by Registered Post/ Speed Post/By Hand (to be submitted in Tender Box) to reach on or before __/04/2019 by 4:00 PM. The Technical Bids will be opened at CUSB, Gaya. The Tenderers or their authorized representatives may attend the opening of Technical and Financial Bid. The date of opening of the Financial Bids shall be published on University website (www.cusb.ac.in). If the University happens to be closed on the date of receipt of the bids or opening of bids as specified in the tender document, the bids will be received and opened on the next day of opening of the office on the same time and venue.
- 5.** The Tenderer shall quote for the materials to be supplied as per detailed specifications as given in the tender document, at designated site in CUSB, Gaya.
- 6.** 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 above) for all the items except for Fabrication works 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.
- 7.** Payment Terms: It will be mandatory for the Bidders to provide their bank account mandate and with relevant e-payment details so that payments could be made

through ECS/ NEFT mechanism only. The payment will be made as per the following terms, on production of the requisite documents.

- 7.a.** No advance payment(s) will be made.
- 7.b.** The payment will be made as per the following terms, on production of the requisite documents: 40% of the contract value will be payable on completion of civil/interior works, 40% of the contract value on successful delivery and acceptance of MOOCs Multicam Studio Equipments and balance 20% on successful installation, commissioning, testing, acceptance, receipt of Guarantee, user's manual, accessories, etc. by the CUSB.
- 7.c.** The AMC charges for the subsequent 2 years mentioned by the bidder in the Financial Bid shall be paid in four installments each at the end of six months on submission of satisfactory report by the user department.
- 7.d.** GST and other relevant applicable Taxes shall be paid on production of authentic documents/proofs.
- 8.** 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 on submission of security deposit.
- 9.** Security Deposit: Security Deposit (SD) @ 5% of the basic amount (excluding GST), 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 after 60 days on expiry of the liability period.
- 10.** Delivery Period – Delivery period for supply & installation of all items would be 75 days from the date of supply order but if delayed due to the CUSB Campus, the extension in period may be given for a maximum of 15 days. 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 contracted delivery period will be at the sole discretion of the University with applicability of LD clause as per GCP-21 of the University.
- 11.** 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.
- 12.** For any clarification and doubt related with the tender, Tenderers should email their queries to registrar@cub.ac.in, so1@cub.ac.in **on or before 08/04/2019.**

13. GENERAL INSTRUCTIONS FOR BIDDERS

- 13.a.** The vendors/ firms/ bidder should have valid GST registration. Relevant documents must be attached as required in sections A and B.
- 13.b.** The entire project will be done by a single vendor. Single company/Firm will be awarded the complete project. No consortium will be entertained.
- 13.c.** 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.
- 13.d.** The bidder should have an authorized dealership/registered certificate of MOOCs Studio Lab 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 tender to be attached in original.
- 13.e.** OEM Authorization letters for majority of equipments, Duly Signed and Stamped by OEM for following major equipments has to be provided:
- (i) Studio Camera Systems
 - (ii) Trackless Virtual Studio System
 - (iii) Video Production Switchers
 - (iv) Video Streaming Server
 - (v) Interactive Display Systems
 - (vi) Network Storage System
- 13.f.** The bidder shall provide a Power Point Presentation relating to the design of the MOOCS Studio Room on a pendrive/DVD.
- 14.** With the view to streamline operations, minimize compatibility problems & effective post installation support, at least following equipments should be offered form same OEM.
- (i) Trackless Virtual Studio System
 - (ii) Audio Delay Unit
 - (iii) Video Production Switcher
 - (iv) Video Streaming Server
 - (v) Hard Disk Based Recorder
- 15.** Products to be supplied/ installed should be brand new and as per the exact specification provided in the tender document (**Annexure - III**).

The solution provided by the bidder should be exact to the specification provided in the tender document. Any higher specification or solution provided will lead to disqualification of bid as the solution/ specification of products have been made keeping in mind the specific requirement of the university.

The room size will be as mentioned in the technical specification (**Annexure - III**) and

diagram of room provided (**Annexure – VI**).

- 16.** 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.
- 17.** Disqualification: The University may disqualify bids on account of any of the following reasons:
- a) If bid is received after the last date and time.
 - b) If the tenderer fails to provide all the documents of GST registration etc. (including section A and B) as stipulated in the bid document.
 - c) Tender in which any of the prescribed conditions are not fulfilled or found incomplete in any respect are liable to be rejected.
 - d) If the bidder attempts to influence any member of the expert panel.
 - e) If the bid is conditional.
 - f) If the bidder provides any misleading information or conceals any information.
 - g) 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.
 - h) 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.
 - i) Non fulfillment of any of the eligibility criteria as per this EoI.
 - j) Bid submitted without the Declaration.
 - k) 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.
- 18.** 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.
- 19.** Bidders are advised to visit the designated websites www.cusb.ac.in and www.eprocure.gov.in regularly for latest updates & clarifications regarding this tender and subsequent stages.
- 20.** In the interest of the University, the University reserves the right to:
- 20.a.** Accept or reject any or all bids for this EoI without assigning any reason, whatsoever at any stage.
 - 20.b.** Amend the selection process at any stage without assigning any reason, whatsoever.
 - 20.c.** 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.

- 20.d.** Amend the scope of work without assigning any reason, whatsoever.
- 20.e.** 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 GGV GCP.
- 20.f.** Close/ cancel the invitation/ tender notice at any stage without assigning any reason, whatsoever.
- 21.** 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.
- 22.** 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.
- 23.i.** The tender shall be submitted in three separately sealed envelopes marked as "A", "B", & "C". The language used shall be English. In case any information is given in foreign language, then translated (in English) copies of those pages must be enclosed, failing which the tender shall be liable to disqualified.
- 24. ENVELOPE "A" (Earnest Money & Tender Cost)**

The tender shall be accompanied by the cost of the tender document for Rs.1000/- (Indian Rupees One Thousand Only) in the form of Demand Draft failing which the tender will not be accepted. Tender must also be accompanied by Earnest Money Deposit (Rs. 6.00 Lakh only) as mentioned above in the form of Demand Draft/FDR/BG in favour of Central University of South Bihar, payable at Gaya executed by any Scheduled Bank.
- 25. ENVELOPE "B" (Technical Bid Document)**

Those Tenderers, who are not the manufacturer but are authorized by the original manufacturer to supply the goods, should establish their credentials by giving valid documentary evidences - OEM Authorization letter (where applicable), table of compliance by OEM / Bidder for technical specifications of majority of products, table of compliance for General Terms & Conditions by bidder, unpriced bill of material, equipment specification sheets. etc. relevant for evaluating the technical bid, declaration, other documents, if any, etc. as per formats provided and where ever applicable.
- 26. Check List for ENVELOPE "B"**
 - 26.a.** Copy of Purchase orders from Central Government/ State Government/ PSU/ Govt. Universities related to the work.
 - 26.b.** Copy of ITR & Balance sheet.

- 26.c.** Copy of registration of GST.
- 26.d.** Copy of Trade License, Factory License/Excise Registration
- 26.e.** Copy of Income Tax Permanent Account Number
- 26.f.** Copy of Memorandum and Article of Association, Certificate of Incorporation, Partnership Deed, Registration Certificate issued by the Registrar of Firms etc.
- 26.g.** Copy of Authorization for Participation in subject bid (not required in case of Proprietorship firm).
- 26.h.** Authorization certificate from the Original Equipment Manufacturer (OEM) for major equipment as specified above.
- 26.i.** Table of Compliance for Technical Specifications of all equipment from OEM / Bidder.
- 26.j.** All pages of tender document including various sections and Annexure-A, except priced bid to be submitted in sealed Envelope-"B".
- 26.k.** Technical Catalogue/Product Specification Sheet of quoted product should be attached with the technical bid.
- 26.l.** University can check the authenticity of the Technical Catalogue/Product Specification sheet on the OEM website or can ask for a specification confirmation form the OEM.
- 27. ENVELOPE "C" (Financial Bid Document)**
 - 27.a.** The Envelope "C" shall contain the tender documents and information related to the schedule of quantities quoting the rates for the item pertaining to the Financial Bid on the Financial Bid document, issued by CUSB, along with the tender document.
 - 27.b.** Bidder shall also quote for AMC charges for 2nd & 3rd Year after Expiry of Standard Warranty of first Year. The decision of calculating L1 (first lowest) will be governed by AMC as well.
 - 27.c.** All columns shall be duly filled in with specific information on the cost involved.

GENERAL CONDITIONS OF PURCHASE

1. Definitions

1.1. In this Purchase, the following terms shall be interpreted as indicated.

- (a) "The Order" means the agreement entered into between the Purchaser and the Supplier including all the attachments and appendices and all documents incorporated as per notification of award.
- (b) "The Purchase Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
- (c) "The Goods" means all the items, which the Supplier is required to supply to the Purchaser under the Contract;
- (d) "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services training and other obligations of the Supplier covered under the Contract;
- (e) "GCP" means the General Conditions of Purchase contained in this section.
- (f) "The Purchaser" means the organization purchasing the Goods **CENTRAL UNIVERSITY OF SOUTH BIHAR, GAYA.**
- (g) "The Purchaser's country" is India.
- (h) "The Supplier" means the individual or firm supplying the Goods and Services.
- (i) "Day" means calendar day.

2. Application

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

3. Standards

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

4. Use of Purchase Documents and Information

4.1. The Supplier shall not, without the Purchaser's prior written consent, disclose the Purchase, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the

Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

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

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

5. Patent Rights

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

6. Submission of the bids

6.1. All bids completed in all respect must reach the purchaser within the last date and time of receipt of bid. No extension shall be allowed for any reason what so ever. Late tenders/delayed bids and tenders received without earnest money etc. shall be rejected.

7. Inspections and Tests

7.1. The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser.

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

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

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

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

8. Consequences of rejection

- 8.1.** If in the event the stores are rejected by the purchaser at the destination and the supplier fails to make satisfactory supplies within the stipulated period of delivery, the purchaser will be at liberty to:
- (a).** Allow the supplier to resubmit the stores in replacement of those rejected, within a specified time without any extra cost to the purchaser or
 - (b).** Reject the material, which shall be final and binding on the contractor.
 - (c).** Procure the rejected materials of comparable quality from the open market/Govt. stores and the supplier shall be liable to pay the difference in price over the RC prices or get the amount adjusted from the outstanding bills of the supplier, if any or EMD.

9. Packing

- 9.1.** The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2.** The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, in any subsequent instructions ordered by the Purchaser.

10. Delivery and Documents

- 10.1.** The Supplier shall make delivery of the Goods within specified period from the placement of purchase order in pursuance of the notification of award. The purchase order would be placed after assessing the requirements on quarterly basis. However, the supplier shall also arrange to execute all orders on priority basis which would be placed to meet any emergent requirements
- 10.2.** In case the purchaser decides to conclude parallel rate contracts, then the requirements would be split on different firms on equitable basis as per the discretion of the purchaser.
- 10.3.** The delivery of Stores shall be affected at the premises of the University free of all delivery charges and within the stipulated time and as may be elucidated in the confirmed order, accompanied by a delivery challan. No extension of time for delivery of Stores shall normally be accorded.

Time and date of delivery – the essence of the contract: The time for and the date of delivery of the stores stipulated shall be deemed to

be of the essence of the contract and delivery must be completed not later than the date(s) specified.

11. Insurance

- 11.1.** The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. The insurance shall be obtained by the suppliers in an amount equal to 110% of the value of the goods from “warehouse to warehouse” (final destinations) on “all risks” basis including war risk and strike.

12. Transportation

- 12.1.** Where the Supplier is required under the Contract to transport the Goods within India defined as Project site, transport to such place of destination in India including insurance, as shall be specified in the Contract, shall be arranged by the Supplier, and the related cost shall be included in the contract Price.

13. Warranty

- 13.1.** The Supplier warrants that the Goods supplied under this Contract are **new, unused**, of the **most recent** or **current models** and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in India.
- 13.2.** This warranty shall remain valid for 12 months after the Goods or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, unless specified otherwise
- 13.3.** The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 13.4.** Upon receipt of such notice, the Supplier shall with all reasonable speed, repair or replace the defective Goods or parts thereof, without any extra cost to the Purchaser.
- 13.5.** If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

14. Payment

- 14.1.** The payment shall be made after inspection of the materials and satisfactory performance.
- 14.2.** The Supplier's request(s) for payment shall be made to the Purchaser

in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to GCC Clause 10, and upon fulfilment of other obligations stipulated in the contract.

15. Prices

- 15.1.** Prices charged by the Supplier for Goods delivered and Services performed under this Purchase shall not vary from the prices quoted by the Supplier in his bid.

16. Change Orders

- 16.1.** The Purchaser may at any time, by written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

- (a)** Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b)** The method of shipping or packing;
- (c)** The place of delivery; and/or
- (d)** The services to be provided by the Supplier.

- 16.2.** If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

17. Contract Amendments

- 17.1.** Subject to GCP Clause 16, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

18. Assignment

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

19. Subcontracts

- 19.1.** The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

20. Delays in the Supplier's Performance

- 20.1.** Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the

Purchaser as per GCP clause 10.

- 20.2.** If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract
- 20.3.** Except as provided under GCP Clause 23, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to GCP Clause 21, unless an extension of time is agreed upon pursuant to GCC Clause 20.2 without the application of liquidated damages.

21. Penalty

- 21.1.** Subject to GCP Clause 23, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 1% per week and the maximum deduction is 10% of the contract price of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 22.

22. Termination for Default

- 22.1.** The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part
- (a)** If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the purchase order, or within any extension thereof granted by the Purchaser pursuant to GCP Clause 20; or
- (b)** If the Supplier fails to perform any other obligation(s) under the Contract.
- (c)** If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Clause:

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

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

- 22.2.** In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 22.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

23. Force Majeure

- 23.1.** Notwithstanding the provisions of GCP Clauses 20 & 21, the Supplier shall not be liable for imposition of liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 23.2.** For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 23.3** If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

24. Termination for Insolvency

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

25. Termination for Convenience

- 25.1.** The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which

such termination becomes effective.

- 25.2.** The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices.

26. Resolution of Disputes

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

- 26.2.** If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms as specified below. These mechanisms may include, but are not limited to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and national or international arbitration.

- 26.3.** In case of Dispute or difference arising between the Purchaser and a supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996.

27. Governing Language

- 27.1.** The contract shall be written in English language. Subject to GCC Clause 28, English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

28. Applicable Law

- 28.1.** The contract shall be governed by the Law of Contract for the time being in force.

- 28.2** Irrespective of the place of delivery, the place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.

- 28.3.** Jurisdiction of Courts: The courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of this contract.

- 28.4.** One month notice will be given by either party for termination of Contract during the tenure of Contract for breach of Clause or otherwise.

29. Taxes and Duties

- 29.1.** Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.

- 30.** All legal disputes arising out of this contract /bid shall be subject to competent court and forum under judicature of Gaya only.
 - 31.** Submission of Performance Bank Guarantee as per GFR Rules 2017 (if applicable).
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CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara,

Post- Fatehpur, P.S- Tekari,

District- Gaya (Bihar) PIN- 824 236

Annexure - II

Technical Bid (To be kept in Envelope-‘B’)

Name of the Work - Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO at Central University of South Bihar, Gaya (Bihar)

Note: This is to be kept in **Envelope “B”** sealed and it should be written on envelope that Technical Bid for **Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO** at Central University of South Bihar Gaya.



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TECHNICAL BID PROFORMA

NIT No. :	CUSB/PSD/MOOCs/TENDER/01/2019-20 Dated:01/04/2019		
Tender for the Supply, Installation, Testing & Commissioning of Setup of MOOCs STUDIO at Central University of South Bihar, Gaya			
1.	Name of the Organization		
2.	Head Office / Registered Office		
	Telephone No/mobile No.		
	Fax No.		
	Email		
	Web site (if any)		
	Date of Establishment		
	Branch Office in Gaya , if any		
	(Provide Complete Address)		
	Telephone No.		
	Fax No./Email		
3.	Name of Chief Executive/ Proprietor / Partners with Designation		
	Telephone No./Mobile No.		
	Fax No./ Email		
4.	Name of Contact Person		
	Telephone No./Mobile No		
	Fax No./Email		
5.	Type of Organization	Certified Documents to be enclosed	
a.	Proprietary		Trade License
b.	Partnership		Partnership Deed, Trade License
c.	Private Limited Company		Memorandum of Article
d.	Public Limited Company		Certificate of Registration
e.	Public Sector		Trade License

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6.	Nature of Business (tick the relevant)				
Manufacturing		Service		Dealership	
Stockiest		Indian Agent		Indian Branch Office	
Others Pl. Specify					

7.	Class / Type of Product / Materials Manufactured / Sold / Serviced/ Fabricated				
Scientific Equipment		Electronics		Lab Consumables & Chemicals	
Electrical Items		Computer Peripherals		Computers	
Laboratory Equipments		Office Automation Product		Electrical Works	
Sport Materials		Water Coolers		Air-conditioners	
AV Equipments		Boards		Other, please specify.....	
Audited Annual Turnover during last 3 years (Rs. In Lakhs) (enclose Chartered Accountant's certification & Income Tax Return Copy)					
Year		Rupees (in Lakhs)		Annexure (Number)	
2017-18					
2016-17					
2015-16					

8.	Commercial Information (enclose Attested Copy wherever Applicable)		
S. No.	Information	Details	Annexure (Number)
a.	GST Registration Number		
b.	Excise Registration Number Trade / Factory License Number		
c.	PAN No.		
d.	Details of Registration Certificate with DGS&D/NCCF		
e.	MSME/SSI/NSIC Certificate		

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f.	Current dealership agreement with Principal Letter No. / Date / Valid upto			
g.	Relevant IISI/ SO Certificate, if any			
h.	<u>Bank Details :</u> Account No.			
i.	Name of Bank & Branch			
j.	IFSC Code			
k.	Details of Tender Fee	Amount:	DD Details:	Name of the issuing Bank & Branch
l.	Details of EMD	Amount:	DD Details:	Name of the issuing Bank & Branch
m.	Details of Previous Supply in Govt. Organisations/ Govt. Educational Institutions (Enclose Supply order & Performance report. If required enclose separate sheets)	Name of the organization	Item Supplied / Qty.	Total Value (Rs in lakhs)
I/ We hereby give an undertaking that the information provided are true to the best of my knowledge and belief. If anything found to be false at any stage my tender will be liable to be rejected and EMD amount will be forfeited.				
Signature of authorized representative:				
Date:				
9.	Note			
9.1.	Separate information sheet may be provided for item (s) in case space provided is not adequate.			
9.2.	Affidavit in the format at Annexure - IV on Non Judicial stamp paper duly attested by Magistrate/Notary shall also be furnished by the bidder.			



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Annexure - III

TECHNICAL SPECIFICATIONS-CUM-COMPLIANCE SHEET

(To be kept in 'Envelope-B')

PART A: 3 CAM STUDIO & PRODUCTION CONTROL ROOM (PCR)			If Met Yes/No	If No Specify Deviations
S.No.	FEATURE	SPECIFICATIONS	QTY	
1. SITC OF HD & SD SDI CAMERA FOR STUDIO WITH FIXED LENS			3	
High Performance HD-SD SDI Hand Held/Tripod Mountable Camera System for Studio & Outdoor Applications.				
Camera				
1	Imaging Device (Type)	3-chips image MOS/CMOS sensor, Size - 1/3" or better		
2	Recording (Compression Technology)	AVC Intra / XAVC Intra, Bandwidth efficient Long GoP format based on MPEG 4 compression (AVC H.264) with Video bit rate of 50/ 25 Mbps, 4:2:2 10 bit Or Long GoP format based on MPEG 4 compression with Video bit rate of 50Mbps or more with 4:2:2 10 bit.		
3	Lens	20x or more zoom lens		
4	Effective Picture Elements	1920 (H) x 1080 (V) (Effective)		
5	Sensitivity	F10 (1920 x 1080/50i mode) or better		
6	S/N Ratio	50 dB or more		
7	Shutter Speed	1/60 sec to 1/2000 sec		
8	Slow & Quick Motion Function	1920x1080: Variable Frame rate 1-50p		
9	Image Stabilizer	Built in Optical Image Stabilizer (OIS)		
10	ND Filters	minimum three positions.		
11	Focal Length	f=min about 4 mm or less,		
12	Focus	Auto/Manual Focus with Three different rings for focus/zoom & iris.		
Input/Output				
13	Microphone	Build in Omni-directional stereo electret condenser microphone		
14	Audio Input	XLR-type 3-pin (female) (x2), Line/Mic selectable		
15	HDMI Output	Type A (x1)		
16	SDI Output	BNC Connector (x1)		
17	USB	USB 3.0/2.0 Mini B/ Type A Host device Hi-speed/ mass-storage (x1)		
18	LAN	100 base/10 base-T		

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19	TC in/out	BNC Connector (x1)		
20	LCD	3.5-type color LCD monitor With more than 1.56M dots		
21	Type	Solid state Memory card type		
22	Support	Industry standard, should be supported by widely used NLEs and Video servers HD-1080/50i & 1080/50p (1920X1080 resolution)		
2. SITC OF HEAVY TRIPOD SYSTEM WITH DUAL PAN BAR AND DOLLY FOR TV STUDIO CAMERAS			1	
1	Payload:	16kg or better		
2	Counterbalance	Fix		
3	Drag mode	2 STEP		
4	Tilt angle	+85° /-65° or better		
5	Pan angle	360°		
6	Height	91.5 to 187cm		
7	Ball diameter	100mm		
8	Section	2 STAGE		
9	Camera Adapter	Camera Plate		
10	Dolly	Versatile Length Dolly		
3. SITC OF TRIPOD SYSTEM WITH DUAL PAN BAR AND DOLLY FOR TV STUDIO CAMERAS			2	
1	Section	Two-Stage Aluminum Tripod System		
2	Payload	4kg		
3	Ball diameter	65mm		
4	Section	2 STAGE		
4. SITC OF TELEPROMPTER WITH 19" DISPLAY			1	
Display Device Specification				
1	Display Device Size	19" LCD/LED Monitor or better		
2	Mounting Hardware	TP hood with complete tripod mounting assembly		
3	Reading Range	Up to 10 meters		
4	Video Input	VGA/ PAL		
Software				
5	Feature Support	Breaking News, Type N Play, Import RTF/Doc/Html/Txt, Import, Run Downs, Reader Management, Anchor Messages, Multi Camera Support, Background Color Selection, Date & Time Display, Bookmarks, Timer, Auto Detect and import files, Run Time Script Editing, Run-Time Run order Updation, Block Story, Clip Reference, Multilingual Support.		
Hardware				
6	Controller	USB/Wireless Hand Control Unit		
7	Teleprompter Desktop Terminal	Min Intel i3 Processor with 4GB RAM and 500GB HOD, with 1 Free PCI Express Slot		
8	Operating System	Windows 10 (64 bit)		
9	Additional Softwares	Microsoft Office license		
10	Sub-System	Required cable and media driver should be		

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		available to complete the system.		
5. SITC OF DOCUMENT CAMERA / VISUALIZER			1	
1	Optical Zoom	12X or More		
2	Digital Zoom	10X or more		
3	Output Interface	VGAX1 HDMIx1 AUDIOx1		
4	Input Interface	VGAX1 HDMIx1 AUDIOx1		
5	Function	Image Freeze; Auto Focus; Screen Split,		
6	Auto White Balance	Auto / Manual White Balance		
7	Storage	Image Storage on SD Card		
6. SITC OF TRACKLESS VIRTUAL STUDIO			1	
Essential Features				
1	Feature Support	Seamlessly integrate live talents with 3D virtual set in real-time		
2	Feature Support	Multiple virtual camera display & switching		
3	Feature Support	Variable motion speed of virtual cameras		
4	Feature Support	No pre-rendering of 3D virtual sets		
5	Feature Support	Render complex 3D scenes in real-time		
6	Feature Support	Live camera inputs in HD format		
7	Feature Support	Pre-recorded media source input		
8	Feature Support	Dynamically update input source		
9	Feature Support	On-screen media gallery for organizing graphic and movie clips		
10	Feature Support	Real-time shader application to 3D objects		
11	Feature Support	Shadows on the background to be removed very efficiently		
12	Feature Support	No colour spills or spatial effect		
13	Feature Support	Pre and Post Chroma key colour correction		
14	Feature Support	Overlay images, AVI & text instantly		
15	Feature Support	Mouse-over preview of virtual camera positions and movements		
16	Feature Support	Preview of live & pre-recorded input sources		
17	Feature Support	Simple drag and drop operation		
18	Feature Support	Library of ready-to-use sets		
Hardware				
19	Video Inputs	2 X HD-SDI - SMPTE 292M - (BNC) or 2 X SD-SDI- SMPTE 259M - (BNC)		
20	Video Outputs	2 X HD-SDI- SMPTE 292M- (BNC) or 2 X SD-SDI- SMPTE 259M - (BNC) 1 X CVBS (SD output resolution only)		
21	Audio Inputs	2 X Balanced XLR Stereo inputs (Per input channel)		
22	Genlock	PAL Reference In and Loop out		
23	Audio Outputs	1 X Balanced XLR Stereo output		
7. SITC OF AUDIO DELAY UNIT			1	
1	Type	6-CH Audio Delay Box, Mixer with Level Adjustment		

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2	Inputs	4-CH Balanced input, 2-CH AUX inputs selectable of MIC/Line level.		
3	Audio Delay Calibration	Up to 3 secs audio delay calibration for each input, 4-CH audio mixer with matrix router outputs.		
8. SITC OF FULL HD 75" INTERACTIVE DISPLAY MONITOR			1	
1	Panel	Min 75 -inch or more LED display		
2	Aspect Ratio	16:9		
3	No.of pixels(HxV)	4K		
4	Contrast Ratio	3000:1		
5	Brightness	350cd/m2 or better		
6	Backlight Life	30000 hours or Better		
7	Touch Panel	Built in touch facility with Pen or Finger		
8	Multi touch operation	Upto 20 point multi touch		
9	Terminal Inputs	Minimum HDMI IN x 2, Display Port x 1,		
10	Inputs	Component Video / RGB IN x 1, Audio IN x 1		
11	Output	HDMI Out x 1, Audio x 1		
12	Other ports	LAN x 1, RS232C IN		
13	USB Ports	USB 2.0 x 1, USB 3.0 x 1.		
14	Speakers	Minimum 10W x 2		
Other features				
15	Inbuilt PC	Integrated PC minimum Core i3, Windows 10, 128GB SDD, 4GB RAM DDR4.		
16	Inbuilt Android	Inbuilt Android system with minimum ARM Cortex Quad Core CPU, Storage 16 GB eMMC, Memory 4 GB RAM, 16 GB ROM.		
17	Mirroring	Wireless mirroring of Android/Windows Devices		
18	Compatibility	Win & Mac compatible		
19	Media File Format Support	Support all types of standard document, image and multimedia files		
9. SITC OF FULL HD 24" DISPLAY WITH TOUCH FUNCTIONALITY			1	
1	Panel	20 x 11" Active Area or better		
2	Aspect Ratio	16:9		
3	Resolution	1920x1080 (Full HD)		
4	Contrast Ratio:	2000:1		
5	Brightness	230 cd/m2 or better		
6	Viewing Angle	178°(H) / 178° (V)		
7	Touch operation	Touch Supported		
8	Terminal Inputs	VGA x1, DVI x1 / HDMI x1, Audio In 3.5mm jack x1, Audio out 3.5mm jack x1.		
9	Graphic Input	USB Up stream x1, Downstream USB 2.0 x2		
10	OS Compatibility	Windows & Mac Compatible		
10. SITC OF 1 x 4 HDMI SPLITTER			2	
1	Interfaces	1 In 4 Out 4K/3G/HD/SD HDMI Distribution Amplifier		
2	Support Video input format	Auto-scan of SD/HD/3G/UHD/4K DCI (4096x2160p)		
3	Support PC input	Auto-scan of 640x480 up to 1920x1080@60Hz		

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	resolution			
11. SITC OF UP/DOWN/CROSS CONVERTER			2	
1	Purpose	For VGA/HDMI Output from Computer to SDI Devices		
2	Input	VGA x 1, HDMI x 1 , HD/SD-SDI x 1 or more		
3	Output	SDI x 2, HDMI x 1, SDI Loop thru BNC		
4	Visual Indication	Visual indication for Input detection		
Supported video output formats				
5	Video Formats	1080p60/59.94/50,1080p30/29.97/25/24/23.98, 1080i60/59.94/50, 720p60/59.94/50, 525i, 625i		
6	Audio Format (Input):	Analog Audio L/R : stereo audio		
7	Audio Format (Output):	Min 4 channel SDI / HDMI embedded audio, 48KHz or better, PCM audio HDMI embedded audio up to 8CH, 48KHz, PCM audio		
12. SITC OF DIGITAL VIDEO PRODUCTION SWITCHER FOR STUDIO			1	
1	Inputs	Minimum 12 or more SDI & HDMI Inputs		
2	Outputs	Minimum 06 or more SDI & HDMI outputs		
3	Video Input Interface	HD-SDI, BNC, 75 ohms		
4	Signal Processing Standards	SD- 480i/59.94 4:3 and 16:9 1576i/50- 4:3 and 16:9, HD-720p 50/59.94, 1080i 50/59.94/1080pSF, 23.98/25/29.97 1080p 25/29.97, 3G -1080p 50/59.94		
5	Video Outputs	Total 5 or more HD-SDI, 1 or more HDMI output and outputs can be configured to support 2 PGM, 1 Preview & Aux		
6	Video Output Interface	BNC, 750, HD- SDI 1080/50i 1.5 Gbps or 576/50i 270 Mbps. Amplitude: 800 m V p-p terminated		
7	Hardware Control Panel	All in one Electronic & Hardware control panel surface		
8	Software Control Panel	From external touch screen computer		
9	Mix Effect Buses	1 ME with 4 keyers		
10	Chroma Key	1 chroma keyer		
11	Wipe Generator	Built-in Wipe Generator for M/E		
12	Pattern Generator	Pattern Generator Available		
13	Multi viewer	1 Built in Multi Viewer with tally, source names, and clock. Configurable with up to 10 windows		
13. SITC OF CHARACTER GENERATOR			1	
1	CG Software	CG software to create still graphics and render directly.		
2	Features	Work on the fly or run programmed events Supports BMP, JPG, GIF and TGA image formats, Compatible with Windows OS		
3	Video Input	HDMI x 1, HD-SDI x 1 Control By Dip Switch/PC		

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		F/W Upgrade Ethernet (RJ45)		
4	Video Output	HD-SDI x 2		
5	LAN Port	LAN port x 1		
6	Supported Formats	Supported Input Format: 1080i 50/59/60, 720p 50/59/60, 576i 50, 480i 59		
7	Resolution	Support SD & HD		
8	Supported Features	PAL, NTSC and HD video resolutions up to 1080 supported Supports Windows based TrueType / Open Type Fonts. Clock Function, Count down timer, Count up timer, Import images with alpha channel PNG, TGA and GIF, Import text from a file CSV, RTF, TXT, Horizontal text crawls, Vertical text rolls, Simple object animations, Text and Object transparency, Timed and manually started transitions.		
14. SITC OF PROFESSIONAL BROADCAST MONITOR			1	
1	Screen size	17" or bigger		
2	Resolution	1920 x1080 or better		
3	Aspect ratio	16:9 / 4:3 switchable		
4	Brightness	300cd/m2		
5	Contrast	800:1		
6	TALLY	red/green two colors		
Video Input				
7	HD-SDI	BNC x 2 line		
8	HDMI	HDMI x 1 line		
Audio Input				
9	Audio monitoring	Rear Speakers 2 x 2W (8 Ohm), Earphone 3.5mm standard interface		
Video output				
10	HD-SDI	BNCx11line		
15. SITC OF FULL HD LED DISPLAY			3	
1	Screen Size	Minimum 49" (diagonal)		
2	Aspect Ratio	16:9		
3	Panel Backlight	LED		
4	Display Resolution	1920 (V) X 1080 (H) Full HD		
6	Speakers	In Built with the Panel with 10W RMS		
7	HDMI Input	2 or more		
8	Other Inputs	USB input		
16. SITC OF 16 CHANNEL ANALOG AUDIO MIXER CONSOLE			1	
1	Total Inputs	16 or more Total Inputs		
2	Mic/Line Inputs	8 or more Mic/Line Inputs		
3	Stereo Line Inputs	2 - L/R Stereo Paired 1/4" TRS Phone		
4	Outputs	AUX Outputs min. 6		
5	ALT I/O	2 I/O		
6	Monitor Outputs	2 Channel Monitor		

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7	Solo/Mute	Mute & Solo on all channels		
8	Channel Level Control	Faders		
9	Phantom Power	+48 Volt		
10	Frequency Response	XLR input to any output 20Hz to 18kHz		
11	Signal-to-Noise Ratio	< -128dBu		
12	Total Harmonic Distortion	0.010% or less @ 1 KHz		
17. SITC OF WIRELESS LAPEL MICROPHONE			4	
Receiver				
1	Switching bandwidth	30.5 MHz		
2	Sensitivity	6.3 dBuV / -100 dBm		
3	Diversity System	Microprocessor-controlled		
4	Modulation	diversity Wideband FM		
5	Audio bandwidth	40 - 18 000 Hz or better		
6	T.H.D.	0.30%		
7	SNR	110 dB or better		
8	Audio outputs	1 x XLR sockets balanced, 1 x TS 1/4" / 6.3 mm jack sockets unbalanced		
Transmitter (Battery Operated)				
9	Switching bandwidth	≤ 30.5 MHz		
10	RF output power	10 or 50 mW		
11	Modulation	Wideband FM		
12	Audio input	TB3M /3-pin mini-XLR socket (max. 2.5 Vrms)		
13	Audio bandwidth	40 - 18,000 Hz or better		
14	T.H.D.	≤ 0.7%		
15	SNR	> 120 dB		
18. SITC OF WIRELESS HANDHELD MICROPHONE			2	
Receiver				
1	Switching bandwidth	≤ 30.5 MHz		
2	Sensitivity	6.3 dBμV / -100 dBm		
3	Diversity System	Microprocessor-controlled diversity		
4	Modulation	Wideband FM		
5	Audio bandwidth	40 - 18 000 Hz or better		
6	T.H.D.	≤ 0.3%		
7	SNR	110 dB or better		
8	Audio outputs.	1 x XLR sockets balanced, 1 x TS 1/4" /6.3 mm jack sockets unbalanced		
Transmitter (Battery Operated)				
9	Microphone capsules	Dynamic (super cardiod)		
10	Switching bandwidth	≤ 30.5 MHz		
11	RF output power	10 or 50 mW		

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12	Audio bandwidth	40 - 18 000 Hz or better		
13	Modulation	Wideband FM		
14	Max. SPL	≤ 144 dB SPL		
15	T.H.D.	≤ 0.7%		
16	SNR	> 120 dB		
19. SITC OF ANCHOR EAR PIECE			2	
1	Ear tube	Coiled Ear tube		
2	Speaker	90 Ohms Speaker		
3	Audio Interface	3.5mm Mono Connection		
4	Accessory	Includes Metal Clip		
20. SITC OF AMPLIFIED / POWERED SPEAKERS FOR PCR			2	
1	Type	2 Way Active Studio Monitor		
2	Frequency Range	80Hz-18000Hz		
3	Max Peak SPL	102 dB or better		
4	LF Driver Size	5" or better		
5	HF Driver Size	1" or better		
3	AMPLIFIER POWER	35 Watts per channel		
8	Power Output	50 Watt or better		
9	Input Types	1 x XLR, 1 x RCA		
21. SITC OF PROFESSIONAL HEADPHONES			2	
1	Headphone type	Closed-back		
2	Wearing Style	On-ear		
3	Max. Input Power	100 mW or Better		
4	Audio frequency bandwidth	18 - 18000 Hz or Better		
5	Mic Type	Condenser Mic		
6	Rated Impedance	24 Ohms or Better		
7	Audio Interface	Type Stereo plug: 3.5mm (1/8") with 6.3 mm (1/4") screw-on adapter		
22. SITC OF COMPACT INTERCOM SYSTEM			1	
1	Feature Support	Standard 19" / 1U rack design		
2	Feature Support	Supports 8-Way talkback		
3	Feature Support	Total 14 sets of belt-packs and its accessories		
4	Feature Support	Additional external earphone and microphone interface		
5	Feature Support	Dual colour tally light indicator		
6	Feature Support	Selectable channel talk, broadcast to all or mute		
7	Feature Support	Enables clean and clear communication between the camera man and the PCR.		
23. SITC OF VIDEO STREAMING SERVER			1	
1	Feature Support	All-In-One Streaming System in Box		
2	Feature Support	Broadcast quality HD / SD H.264 network streaming		
3	Feature Support	H.264 / AVC video CODEC, upto to High Profile Level 4.0		
4	Feature Support	Maximum bitrate: 6 Mbit		

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5	Feature Support	can accept SDI / HDMI / CVBS source input		
6	Feature Support	Supports de-interlace video streaming for progressive output		
7	Feature Support	Front panel control for recording and streaming		
8	Feature Support	Audio inputs: select embedded or external audio source		
9	Feature Support	Network feature: DHCP Client, RTSP over TCP/UDP/HTTP with MPEG TS. RTMP, HLS protocols (unicast only)		
10	Feature Support	Flexible video scalar presets for streaming out		
11	Feature Support	Supports 3 types of GOP structure: IBBP, IPPP and IBP		
12	Feature Support	Web UI for system configuration and FW upgrade		
13	Feature Support	Attach USB storage device (Up to 1TB storage device)		
24. SITC OF HARD DISK BASED RECORDER WITH MEDIA			1	
1	Supported Video Resolutions:	1920x1080 50i/59.94i/60i 1280x720 50P/59.94P/60P 702x576i or 720x480i		
2	Auto Save	Saving of recorded file (minus 2 seconds at the end of the file) in case of accidental power failure		
3	File System	Recorder should use the NTFS file system		
4	Time Code	Recorder should have time code input and output		
5	Gen-Lock	Recorder should have gen-lock input and pass-through		
6	Power-On record & play	Should have Power-On Record and Power-On Play		
7	Time lapse Recording	Recorder should be able to do time lapse recording		
8	Reference	Should have Ref-in/loop-through, Black Burst, and Tri- level Signal		
9	HDD Interface	HDD should have USB 2.0 to connect to a PC or MAC based NLE system		
10	Supply	Bidder should quote two numbers of 1TB HDD with the recorder with HDD enclosure		
25. SITC OF DESKTOP COMPUTERS FOR CONTROLLING TELEPROMPTER, INTERACTIVE DISPLAYS & DISPLAY WITH TOUCH FUNCTIONALITY			3	
1	OS	Windows 10 Pro		
2	Processor	8th Generation Intel Core i5 processor		
3	RAM	8GB memory		
3	HDD	1TB HDD storage		
4	Display	20" Full HD display or better		
5	Peripherals	CD Rom Drive, Keyboard, Mouse		
6	Graphics Card	2GB or More		
7	Standard I/O Interfaces	USB, Audio etc.		

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TECHNICAL SPECIFICATIONS			If Met	If No
PART B: PROGRAM & OFFLINE GRAPHICS SUITS			Yes/No	Specify Deviations
S.No.	FEATURE	SPECIFICATIONS	QTY	
26. SITC OF WORKSTATION FOR EDIT SUITS/STATIONS			3	
1	Processor	Intel Xeon 6 Core, 3.60GHz or better		
3	RAM	32 GB DDR4 or better		
3	HDD	4TB Enterprise SATA		
4	DVD Drive	Optical Drive		
5	Network	2x RJ45 Gigabit Ethernet LAN ports		
6	Graphic Card	5 GB, GDDR5, Memory Bandwidth Up to 140 GB/s		
7	Monitor	24" LED HD Monitor		
8	Peripherals	Standard Keyboard & Mouse (USB)		
9	Additional Software	Adobe CC4 Package with Yearly Subscription Plan for Educational Purpose, to be procured by University directly.		
27. SITC OF WORKSTATION FOR OFFLINE GRAPHICS/ANIMATION			1	
1	Processor	Intel Xeon 6 Core, 3.60GHz or better		
3	RAM	32 GB DDR4 or better		
3	HDD	4TB Enterprise SATA		
4	DVD Drive	Optical Drive		
5	Network	2x RJ45 Gigabit Ethernet LAN ports		
6	Graphic Card	5 GB, GDDR5, Memory Bandwidth Up to 140 GB/s		
7	Monitor	24" LED HD Monitor		
8	Peripherals	Standard Keyboard & Mouse (USB)		
9	Additional Software	Autodesk 3DS MAX with Yearly Subscription Plan for Educational Purpose, to be procured by University directly.		
28. SITC OF AMPLIFIED / POWERED SPEAKERS FOR EDIT AREA			4	
1	Type	2 Way Active Studio Monitor		
2	Frequency Range	80Hz-18000Hz		
3	Max Peak SPL	102 dB or better		
4	LF Driver Size	5" or better		
5	HF Driver Size	1" or better		
6	AMPLIFIER POWER	35 Watts per channel		
7	Power Output	50 Watt or better		
8	Input Types	1 x XLR, 1 x RCA		
29. SITC OF PROFESSIONAL HEADPHONES			4	
1	Headphone type	Closed-back		
2	Wearing Style	On-ear		
3	Max. Input Power	100 mW or Better		
4	Audio frequency bandwidth	18 - 18000 Hz or Better		
5	Mic Type	Condenser Mic		
6	Rated Impedance	24 Ohms or Better		

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7	Audio Interface	Type Stereo plug: 3.5mm (1/8") with 6.3 mm (1/4") screw-on adapter		
30. SITC OF 24 PORT ETHERNET SWITCH			1	
1	Type	24 Port Ethernet Switch		
2	Layer 3 Support	Layer 3 Switch		
3	Network Media	1000Base-X /10/100/1000Base-TX		
4	No of Ports	24 Port		
31. SITC OF NETWORK BASED STORAGE			1	
	Network based Storage	Core i3, 4 GB RAM, 1 TB HDD, Linux OS, Full HD Monitor (21.5"), with wired Keyboard and Mouse along with high performance storage in 3U rack mount- 16 Drive Form Factor having easy management with 1 logic value shared by up to 32 hosts. Vmware complaint, Quad GbE ports with load balancing and fail over, mirror and offline array roaming support, 16 SATA Interface, 1 GB RAM, 6TB x 16 HDD, RAID Supported, Redundant Power Supply.		
TECHNICAL SPECIFICATIONS			If Met	If No
PART C: STUDIO & LIGHTENING SETUP WITH DIMMER CONTROL			Yes/No	Specify Deviations
S.No.	FEATURE	SPECIFICATIONS	QTY	
32. SITC OF 90 WATTS LED COOL LIGHTS FOR STUDIO ON GRID & TRIPOD			6	
1	Type	90W LED light 3200K / 5600K panel complete with 2 diffusers, normal operated yoke provided, undergone through 7 Tank chemical treatment to keep them rust free and, duly powder coated in black matt texture finish.		
2	Lamp power	90W		
3	Power supply	230/240V AC to DC 14V 7A		
4	Power cable	3 core 1.5 sq. mm. copper PVC insulated		
5	Color Temperature	3200K		
6	Dimming	0-100% through manual and DMX		
7	Beam Angle	30°		
8	Operating Temp	-30°C to +55°C		
9	Protection rating	IP20		
10	Mounting Accessory	Die cast aluminium "C" clamps and Safety bond 1.5Mtr long with lock clip for Grid mounting (4 nos.) & Floor standing Tripod (2 nos.)		

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33. SITC OF 200W LED FRESNEL SPOT LIGHT ON GRID			2	
1	Type	3200K /5600K WITH 40000 lux at 2mtr in spot, with 200mm dia lens, normal operated yoke provided, undergone through 7 Tank chemical treatment to keep them rust free and, duly powder coated in black matt texture finish.		
2	Lamp power	200W		
3	Power supply	230/240V AC		
4	Power cable	3 core 1.5 sq. mm. copper PVC insulated		
5	Color Temperature	3200K		
6	CRI	>90		
7	Dimming	0-100% through manual and DMX		
8	Beam Angle	10°-50°		
9	Protection rating	IP20		
10	Weight	not more then 10Kg.		
11	Barn Doors	Barn doors for lights		
12	Mounting Accessory	Die cast aluminium "C" clamps and Safety bond 1.5Mtr long with lock clip.		
34. SITC FOR 20 CHANNEL DIMMER CONTROL			1	
1	Feature Support	20 control channels.		
2	Feature Support	Preset programmable scenes		
3	Feature Support	Preset chaser sequence in multiple steps.		
4	Feature Support	Cross fade.		
5	Feature Support	Memory card. (Optional)		
TECHNICAL SPECIFICATIONS				
PART D: STUDIO & TECHNICAL AREA -ACOUSTICS, FURNITURE AND ASTHETICS			If Met Yes/No	If No Specify Deviations
S.No	Yes/No	Specify Deviations	QTY	
35. SITC OF STATE OF THE ART SEMI-CIVIL & ACOUSTICS WORKS / TREATMENT OF STUDIO SIZE 43.30' x 28' x 12'				
1	Studio Size (For reassurance of measurements, Bidders are suggested to do a site survey before bidding. Changes in cost due to measurements will not be accepted at a later stage)	Studio Wall 1 (43.30'x12') Studio Wall 2 (28'x12') Studio Wall 3 (28'x12') Studio Wall 4 (43.30'x12') Ceiling (43.3'x28')		

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2	Providing of Acoustic Treatment on the Studio Walls and Ceiling			
3	Up to 3 feet from floor- Glass Wool of 32 kg density to be filled between wall and 12 mm thick Ply which will be finished with teak wood veneer with polish (inside of the studio)	Up to 3 feet from floor- Glass Wool of 32 kg density to be filled between wall and 12 mm thick Ply which will be finished with teak wood veneer with polish (inside of the studio)	425 Sqft	
4	Above 3 feet - Rockwool of 40 Kg density to be filled between Wall and the perforated Gypsum as being proposed for acoustic	Above 3 feet - Rockwool of 40 Kg density to be filled between Wall and the perforated Gypsum as being proposed for acoustic	1210 Sqft	
5	Providing and Fixing of Perforated Grid Ceiling (600x600x20) which shall also be acoustically treated with 50 mm thick layer of Rockwool of 40 kg density in a Grid of 2'x2' which will be further finished with the paint after jointing and taping	Providing and Fixing of Perforated Grid Ceiling (600x600x20) which shall also be acoustically treated with 50 mm thick layer of Rockwool of 40 kg density in a Grid of 2'x2' which will be further finished with the paint after jointing and taping	1200 sqft	
6	Providing and making 115mm thick brick work (43.3'x15') between Studio and PCR		649.5 Sqft	
7	Providing and fixing of 55mm thick single leaf Acoustic Door of size 2100*1050 with vision panel of 300x300 and the door hardware including door closer, handle, lock and a door stopper		49 Sqft	
8	Light up sign board (Red) on Studio and PCR gate		1 Lot	
9	Providing of 8 mm thick Sandwiched Glass Observation Window between Studio and PCR of size 1500x750mm		12.5 Sqft	
10	Providing and fixing of Chroma (10'x14') made up of ply and a carpet of green color to be pasted		140 Sqft	
11	Providing and Installation of MS (Round Tube of 50mm dia) Studio Lighting grid of 4' x 4'		1 No.	
12	Providing and laying of 2mm thick PVC flooring in Studio area		1200 Sqft	

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13	Providing and Fixing of designer Anchor Table of size 2100x750x750mm with sunmica finish and proper edge binding with margins. Along with 4 good quality chair and sofa set for anchor and speakers.		Qty 1	
14	Studio Set with LED Back drop with graphic (25'x10") along with provisioning of fixing 75" interactive display		250 Sqft	
36. SITC OF STATE OF THE ART SEMI-CIVIL & ACOUSTICS WORKS / TREATMENT OF PCR SIZE 12'x18'x12'				
1	PCR Size (For reassurance of measurements, Bidders are suggested to do a site survey before bidding. Changes in cost due to measurements will not be accepted at a later stage)	PCR and Passage Wall 1 (43.30'x12') PCR Wall 2 (12'x12') PCR Wall 3 (18'x12') PCR Wall 4 (12'x12')		
Providing of Acoustic Treatment on the PCR Walls				
2	Up to 3 feet from floor- Glass Wool of 32 kg density to be filled between wall and 12 mm thick Ply which will be finished with teak wood veneer with polish		180 Sqft	
3	Above 3 feet - Rockwool of 40 Kg density to be filled between Wall and the perforated Gypsum as being proposed for acoustic		540 Sqft	
4	Providing and fixing of 55mm thick single leaf Acoustic Door of size 2100*1050 with vision panel of 300x300 and the door hardware including door closer, handle, lock and a door stopper		24.5 Sqft	
5	Providing and Fixing of Perforated Grid Ceiling (600x600x20) which is duly paint finished after jointing and taping		216 Sqft	
6	Providing and laying of 2mm thick PVC flooring		216 Sqft	
7	Providing and Fixing of Technical Table at PCR of size 2400x 900x750mm with proper edge binding in suitable ply along with 3 revolving chairs.		1 Lot	
8	Providing and Fixing of Cabinets 2400x900mm & 450mm deep, made up of Commercial board/ Plywood		3 Nos.	
37. SITC OF STATE OF THE ART SEMI-CIVIL & ACOUSTICS WORKS/TREATMENT OF EDIT/TECHNICAL AREA				
1	Double Board Gypsum Partition (28'x15') with proper Jointing, Taping and Painting		420 Sqft	
2	Providing and fixing of 35 mm thick Single leaf Door of size 2100*1050 and the door hardware including door closer, handle, lock and a door stopper		49 Sqft	
3	Providing and Fixing of L-Shape Edit Table of size 4500x750x750mm with laminate finish and proper edge binding in suitable ply along with revolving chairs.		Qty 1	

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4	Providing and Fixing of Perforated Grid Ceiling (600x600x20) for Edit and Passage area which is duly paint finished after jointing and taping	240 Sqft	
5	Providing and laying of 2mm thick PVC flooring	240 Sqft	
6	Providing and applying Acrylic Paint in the passage	180 Sqft	
7	Waiting Area Furniture (Normal or L shape Sofa set) and shoe rack in waiting area	1 Lot	
TECHNICAL SPECIFICATIONS			
PART E:STUDIO & TECHNICAL AREA- SURVEILLANCE		If Met	If No
		Yes/No	Specify Deviations
S.No.	FEATURE	SPECIFICATIONS	QTY
38. SITC FOR CCTV MONITORING OF TECHNICAL FLOOR		1 Lot	
1	Camera Type	2MP IP DOME camera	7
2	Multi-channel NVR	Minimum 8 Channel NVR with 1 SATA hard disk, support up to 5 MP	1
3	Monitor	24" Monitor for camera preview	1
4	Hard Disk	Surveillance Hard Disk 4 TB	1
5	Ethernet Cable	UTP Cable (Mtrs)	100
6	Equipment Rack	6U Rack	1
7	Switch	POE switch 8Port	1
TECHNICAL SPECIFICATIONS			
PART F: AIR-CONDITIONING, UPS & ELECTRICAL WORK		If Met	If No
		Yes/No	Specify Deviations
S.No.	FEATURE	SPECIFICATIONS	QTY
39. SITC OF 2.0 TON CAPACITY SPLIT AIR CONDITIONERS		5	
1	Feature Support	Energy Rating 5 Star	
2	Feature Support	37 dB or better Indoor Noise	
3	Feature Support	2 Ton Capacity	
4	Feature Support	5 Star Rating	
5	Feature Support	Auto Restart	
6	Feature Support	Front Panel Display	
7	Feature Support	Rotary Compressor with Copper Fins	
8	Feature Support	Anti-Bacterial Filter	
9	Feature Support	Moisture Removal	
10	Installation	Complete installation with Copper Pipes, Cables etc	
40. SITC OF ONLINE UPS		1	
1	Type	10 KVA 1:1 (1 Phase In: 1 Phase Out) On-Line UPS System	
2	Battery Bank	Battery Bank for 15-20 Minutes Backup	
3	Installation Kit	Rack & Interlink Cables	

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41. SITC OF STATE OF ELECTRICAL WORK IN TECHNICAL AREA			1 Lot	
1	Providing and Laying of Shooting Light Wiring with PVC Tray		1 Lot	
2	Providing and Fixing of 16sqmm x 4c Aluminium conductor power cable		1 Lot	
3	Providing and Fixing of Shooting Light Sockets (1+2)		38	
4	Providing and fixing of LED Studio Ceiling Lights (600x600) in Studio		12	
5	Providing and Fixing MCB Junction		1	
6	Providing of Power points on studio walls (1+2)		16	
7	Providing of Power points on PCR walls (1+2)		4	
8	Providing and fixing of LED Studio Ceiling Lights (600x600) in PCR		4	
9	Providing and Fixing of PCR Table Power Points (1+4)		4 Sets	
10	Providing and fixing of LED Studio Ceiling Lights (600x600) in Edit/Passage Area		6	
11	Providing and Fixing of Edit Table Power Points (1+4)		3 Sets	
12	Providing of Power points on Edit / Passage walls (1+2)		4	
42. SITC OF MAINTENANCE KIT				
1	Maintenance Ladder	Folding Ladder- 12' Height	1	
2	Maintenance Toolkit	Standard Engineering Toolkit	1	
43. SITC OF INTEGRATION MATERIAL & ENGINEERING SERVICES				
1	Cabling	It is required to set-up the facility for HD operation therefore all the cabling should support HD operations	1 Lot	
2	Studio Camera Cabling Provisioning	Studio camera cabling in studio has to be provisioned for Five cameras setup where additional Two set of cables will be used with our existing cameras.		
3	Installation Material	All installation materials including racks, power cables, interconnection cables, connectors and other accessories (including nuts, bolts, screws etc.) required for installation of the complete system shall be quoted		
4	Installation Material	Installation of our existing cameras and equipments in studio, PCR and Edit room.		
5	System Completeness	Completeness of the system will be responsibility of the bidder		
6	System Completeness	If any material is found short during installation because of which equipment is not functional, completion certificate may not be issued		
7	Workflow Diagram	The bidder has to provide schematic diagram of the technical workflow to ensure the workability of the offered solution in all respects.		
8	Training	Installation, Commissioning & Training (5 days working Product training as per standard working hour.)		
9	Misc. Sub-System	Additional converters, adapters, mounts or fixtures etc have to be supplied by the bidder to complete the workflow, even if the same are not part of the bill of material.		

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Declaration and Affidavits
(To be kept in Envelope – B)

DECLARATION

(To be submitted only on non-judicial stamp paper of Rs.100/- to be kept in **Envelope-B**)

- 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 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.

Dated:

Witness Names & Signature-----

Address -----

Occupation -----

Signature of Contractor/ Bidder.....

Name.....

Designation.....

Phone /Mob. No.,.....

Email ID.....

Firm's seal.....

CERTIFICATE

(to be provided on letter head of the firm)

I hereby certify that the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institute on any account.

I also certify that the above information is true and correct in all respect and in any case at a later date, if it is found that any details provided above are incorrect, then the contract given to the above firm may be summarily terminated and the firm may be blacklisted.

Date:

Place:

Authorized Signatory

Name:

Seal

Designation:

Contact No.:

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CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara,
Post- Fatehpur, P.S- Tekari,
District- Gaya (Bihar) PIN- 824 236

AFFIDAVIT

(on Rs. 100/- Non Judicial Stamp Paper duly attested by Magistrate/ Notary)

1. I/We the undersigned do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s _____ have abandoned any work/supply nor any contract awarded to us for such works/supplies have been rescinded, during last three years prior to the date of this bid.
3. The undersigned hereby authorize and request any bank, person, firm or Corporation to furnish pertinent information deemed necessary as requested by the Central University of South Bihar, to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Central University of South Bihar.

(Signed by an Authorized Officer of the Firm)

Title of Officer

Name of Firm

Date:

Bidders are requested to read the complete Tender documents and visit the site to understand its locality, terrain, surrounding conditions etc. before submission of Bids. Queries related to Tender may be sent at (registrar@cub.ac.in), (so1@cub.ac.in). For further information visit University Website – (www.cusb.ac.in)



CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara,
Post- Fatehpur, P.S- Tekari,
District- Gaya (Bihar) PIN- 824 236

Annexure - V

Bill of Quantities

for

**Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO
at Central University of South Bihar**

Financial Bid

(To be kept in 'Envelope – C')

Note : This is to be kept in **Envelope 'C'** sealed and it should be written on envelop that Tender Bid Document for the **Supply, Installation, Testing & Commissioning of Setup of MOOCS STUDIO** at Central University of South Bihar, Gaya.



CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara,
Post- Fatehpur, P.S- Tekari,
District- Gaya (Bihar) PIN- 824 236

FINANCIAL BID PROFORMA

(It should be submitted department wise in a separate sealed envelope)

Tender Notice No.: CUSB/PSD/MOOCs/TENDER/01/2019-20 Dated: 01/04/2019

Subject: Supply, Installation, Testing & Commissioning of Setup of MOOCs STUDIO.

Name of the Bidder: _____

Design, Supply, Installation, Commissioning & Training - State Of The Art Multi Camera Studio & Post Production Setup At CUSB Campus - BOQ For Financial Bid					
S.No.	ITEM	QTY (Nos.)	Unit Price	GST	Total Amt. (Inclusive of GST)
1	SITC OF HD & SD SDI CAMERA FOR STUDIO WITH FIXED LENS	3			
2	SITC OF HEAVY TRIPOD SYSTEM WITH DUAL PAN BAR AND DOLLY FOR STUDIO CAMERAS	1			
3	SITC OF TRIPOD SYSTEM WITH DUAL PAN BAR AND DOLLY FOR STUDIO CAMERAS	2			
4	SITC OF TELEPROMPTER WITH 19" DISPLAY	1			
5	SITC OF DOCUMENT CAMERA / VISUALIZER	1			
6	SITC OF TRACKLESS VIRTUAL STUDIO	1			
7	SITC OF AUDIO DELAY UNIT	1			
8	SITC OF FULL HD 75" INTERACTIVE DISPLAY MONITOR	1			
9	SITC OF FULL HD 24" DISPLAY WITH TOUCH FUNCTIONALITY	1			
10	SITC OF 1 x 4 HDMI SPLITTER	2			
11	SITC OF UP/DOWN/CROSS CONVERTER	2			
12	SITC OF DIGITAL VIDEO PRODUCTION SWITCHER FOR STUDIO	1			
13	SITC OF CHARACTER GENERATOR	1			
14	SITC OF PROFESSIONAL BROADCAST MONITOR	1			
15	SITC OF FULL HD LED DISPLAY	3			
16	SITC OF 16 CHANNEL ANALOG AUDIO MIXER CONSOLE	1			
17	SITC OF WIRELESS LAPEL MICROPHONE	4			
18	SITC OF WIRELESS HANDHELD MICROPHONE	2			
19	SITC OF ANCHOR EAR PIECE	2			
20	SITC OF AMPLIFIED / POWERED SPEAKERS FOR PCR	2			
21	SITC OF PROFESSIONAL HEADPHONES	2			

Bidders are requested to read the complete Tender documents and visit the site to understand its locality, terrain, surrounding conditions etc. before submission of Bids. Queries related to Tender may be sent at (registrar@cub.ac.in), (so1@cub.ac.in). For further information visit University Website - (www.cusb.ac.in)

22	SITC OF COMPACT INTERCOM SYSTEM	1			
23	SITC OF VIDEO STREAMING SERVER	1			
24	SITC OF HARD DISK BASED RECORDER WITH MEDIA	1			
25	SITC OF DESKTOP COMPUTERS FOR CONTROLLING TELEPROMPTER, INTERACTIVE DISPLAYS & DISPLAY WITH TOUCH FUNCTIONALITY	3			
26	SITC OF WORKSTATION FOR EDIT SUITS/STATIONS	3			
27	SITC OF WORKSTATION FOR OFFLINE GRAPHICS/ANIMATION	1			
28	SITC OF AMPLIFIED / POWERED SPEAKERS FOR EDIT AREA	4			
29	SITC OF PROFESSIONAL HEADPHONES	4			
30	SITC OF 24 PORT ETHERNET SWITCH	1			
31	SITC OF NETWORK BASED STORAGE	1			
32	SITC OF 90 WATTS LED COOL LIGHTS FOR STUDIO ON GRID & TRIPOD	6			
33	SITC OF 200W LED FRESNEL SPOT LIGHT ON GRID	2			
34	SITC FOR 20 CHANNEL DIMMER CONTROL	1			
35	SITC OF STATE OF THE ART SEMI-CIVIL & ACOUSTICS WORKS / TREATMENT OF STUDIO SIZE 43.30' x 28'x12'	1 Lot			
36	SITC OF STATE OF THE ART SEMI-CIVIL & ACOUSTICS WORKS / TREATMENT OF PCR SIZE 12'x18'x12'	1 lot			
37	SITC OF STATE OF THE ART SEMI-CIVIL & ACOUSTICS WORKS/TREATMENT OF EDIT/TECHNICAL AREA	1 Lot			
38	SITC FOR CCTV MONITORING OF TECHNICAL FLOOR	1 Lot			
39	SITC OF 2.0 TON CAPACITY SPLIT AIR CONDITIONERS	5			
40	SITC OF ONLINE UPS	1			
41	SITC OF STATE OF ELECTRICAL WORK IN TECHNICAL AREA	1 Lot			
42	SITC OF MAINTENANCE KIT	1 Lot			
43	SITC OF INTEGRATION MATERIAL & ENGINEERING SERVICES	1 Lot			
A.		Total CAPEX (inclusive of GST)			
B.		Total OPEX for two years (inclusive of applicable tax)			
C.		Grand Total F.O.R. CUSB Campus (A+B)			
D. Total amount in words :					

Note: No overwriting or use of whitener is permitted. If done, then it will be summarily rejected.

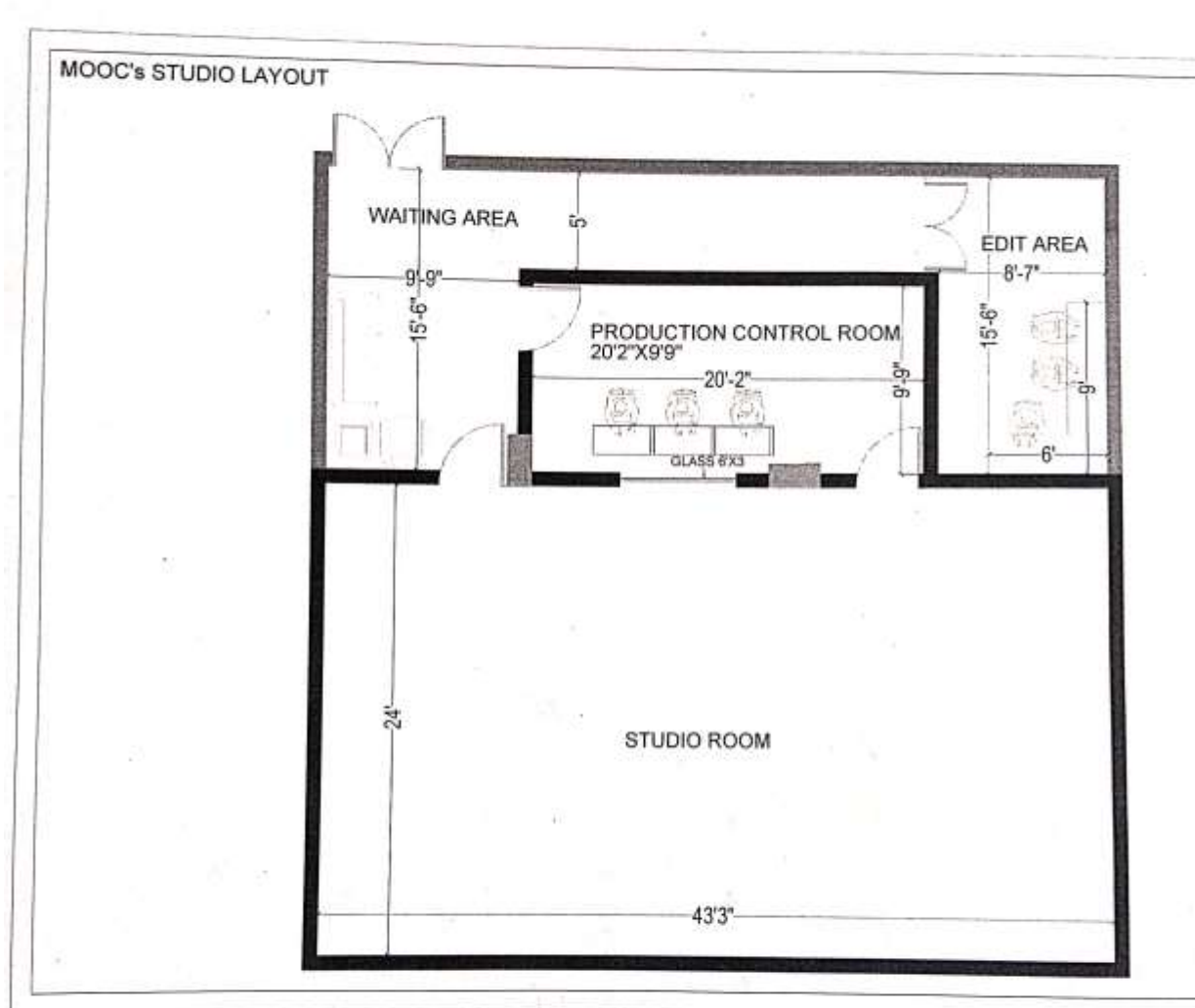
Date:

Signature _____

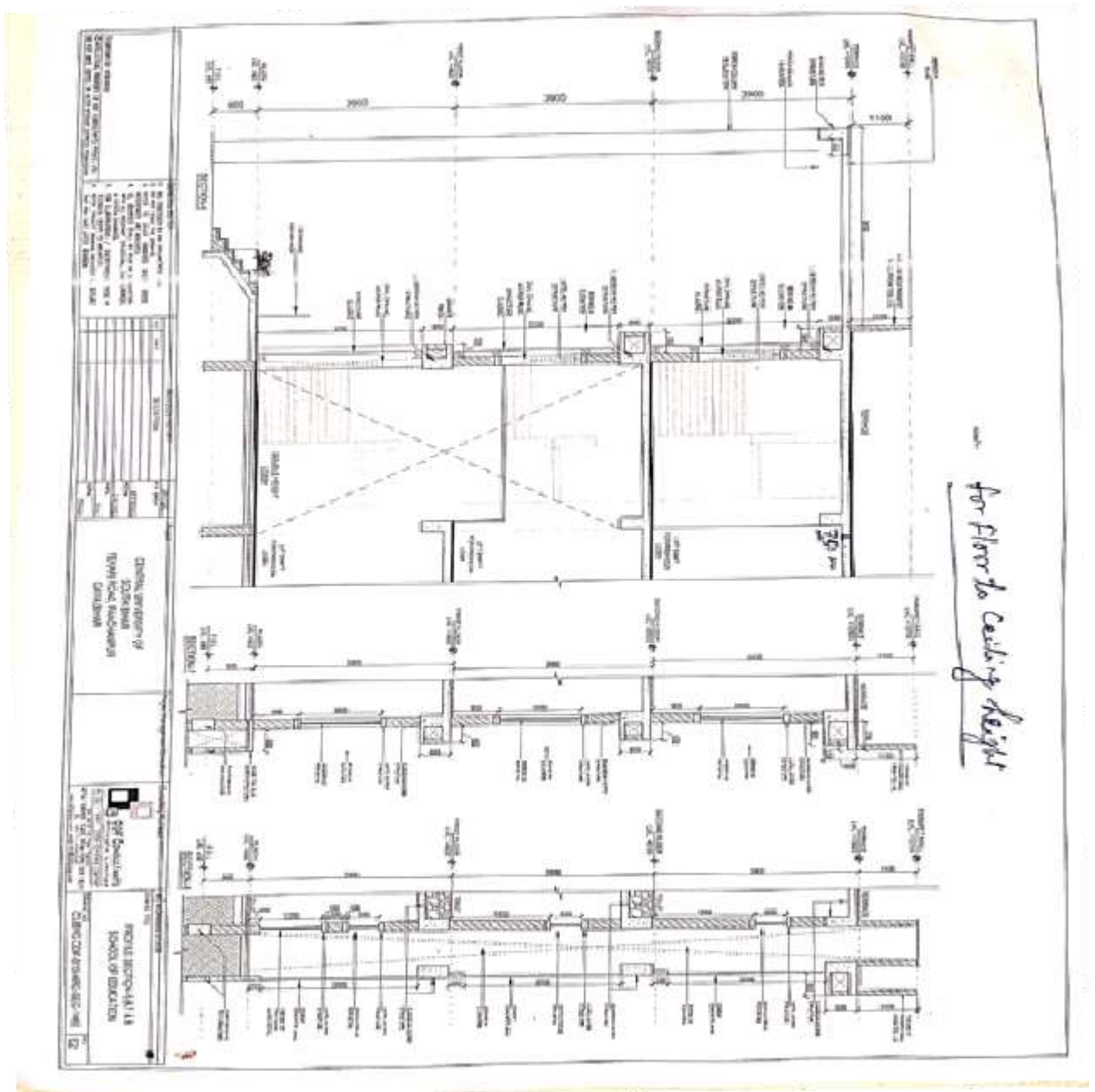
Name: _____

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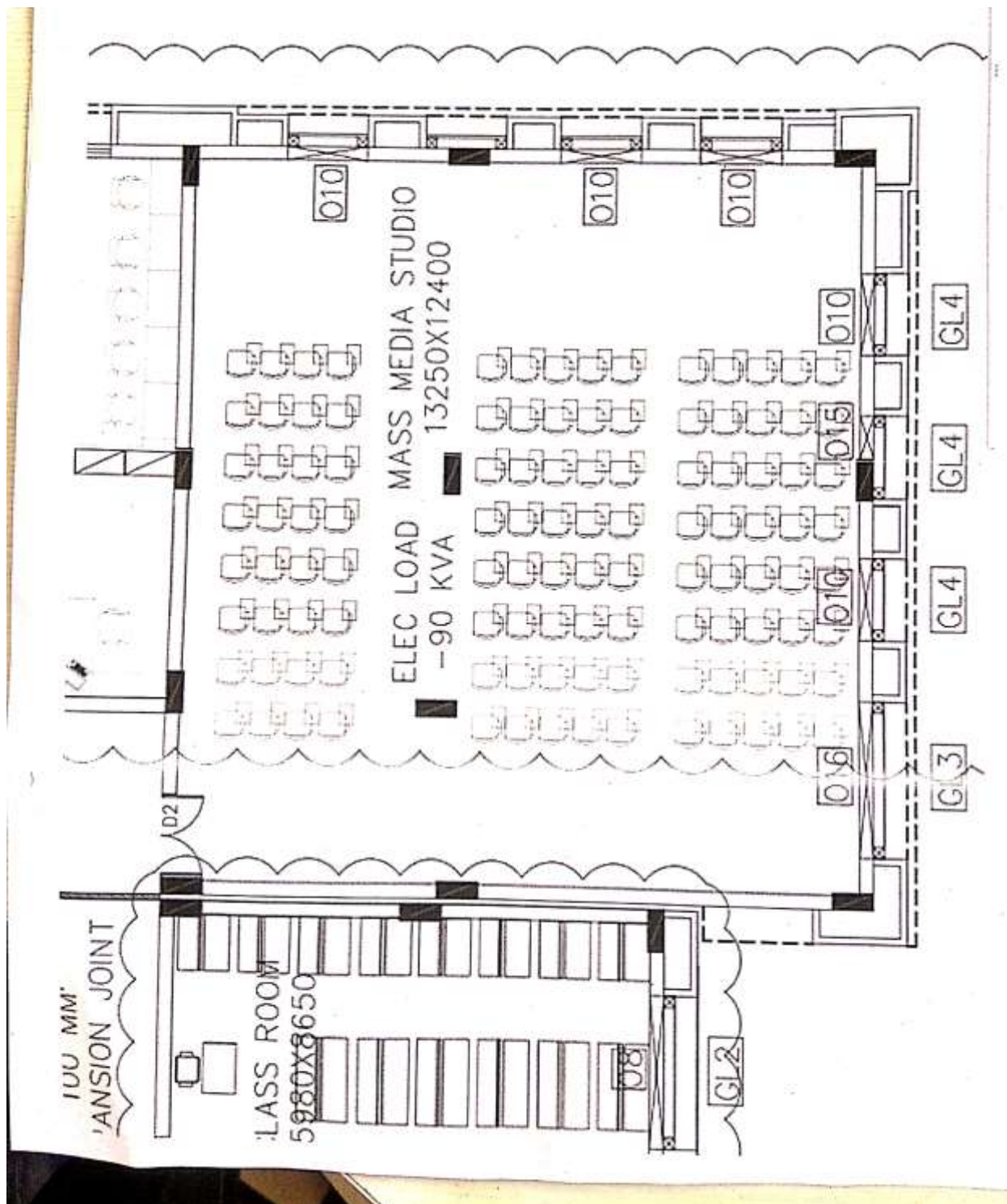
(To be kept in 'Envelope – 'B')



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